



Daily Drilling Report

Well ID: 42-383-41395

Field: Texon

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 1

Report For 06:00 AM 17-Jun-23

| | | | | | | | | | |
|----------------------------------|--|---|--|-----------------------------|--|------------------------|--|----------|-------------|
| Operator: | | Rig: | | Spud Date: | | Daily Cost / Mud (\$): | | | |
| Measured Depth (ft): 621 | | Last Casing: | | Wellbore: Original Wellbore | | AFE No. | | AFE (\$) | Actual (\$) |
| Vertical Depth (ft): | | Next Casing: | | RKB Elevation (ft): 2662 | | B24004 | | | |
| Hole Made (ft) / Hrs: 621 / 12.5 | | Next BOP Test: | | Working Interest: | | Totals: | | | |
| Average ROP (ft/hr): 49.68 | | | | | | Well Cost (\$): | | | |
| Days (actual / plan): | | Drilling 0.52 / 0, Flat 0 / 0, Complete 0 / 0, Total 0.52 / 0 | | | | | | DOL: | 1 |
| Pers/Hrs: Operator: 0 / 0 | | Contractor: 0 / 0 | | Service: 0 / 0 | | Other: 0 / 0 | | Total: | 0 / 0 |
| Current Operations: | | SKID OVER, R/U, DRILL TO 621' | | | | | | | |
| Planned Operations: | | TD WELL, RUN CASING CEMENT | | | | | | | |
| Wellsite Supervisors: JR WRIGHT | | | | | | Tel No.: 432-217-9511 | | | |
| Engineer(s): Larry Gillette | | | | | | | | | |

Operations Summary

| From | To | Elapsed | End MD(ft) | Code | Operations Description | Non-Prod |
|-------|-------|---------|------------|------|-------------------------------------|----------|
| 6:00 | 13:00 | 7.00 | 80 | RU | SKID OVER, R/U, PRE SPUD INSPECTION | |
| 13:00 | 13:30 | 0.50 | 80 | TRPI | TRIP IN THE HOLE TO 80' | |
| 13:30 | 19:30 | 6.00 | 214 | DRIL | DRILL F/ 80' TO 214' | |
| 19:30 | 23:30 | 4.00 | 214 | REPR | REPLACE HYD. FAN MOTOR | X |
| 23:30 | 6:00 | 6.50 | 621 | DRIL | DRILL F/ 214' TO 621' | |

Management Summary

FUEL USED 429 GALS

Cost/AFE Information

| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent |
|------------|---------------------------------|--------------|-----------|----------|-------------|------------|---------|
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 0.00 | 0.00 | 241,605.00 | 241,605.00 | 2.82% |
| Totals \$: | | 8,578,755.00 | 0.00 | 0.00 | 241,605.00 | 241,605.00 | 2.82% |



Daily Drilling Report

Well ID: 42-383-41395

Field: Texon

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 2

Report For 06:00 AM 18-Jun-23

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|--------------------------|--|----------------|--|------------------------|--|-------------------|------------|-----------------|--|-----------------------|--|-------------|--|-------|--|--------|--|-------|--|
| Operator: | | Rig: | | Spud Date: | | Daily Cost / Mud (\$): | | | 29,300 / 0 | | | | | | | | | | | | |
| Measured Depth (ft): | | 956 | | Last Casing: | | Wellbore: | | Original Wellbore | | AFE No. | | AFE (\$) | | Actual (\$) | | | | | | | |
| Vertical Depth (ft): | | | | Next Casing: | | RKB Elevation (ft): | | 2662 | | B24004 | | 8,578,755 | | 270,905 | | | | | | | |
| Hole Made (ft) / Hrs: | | 335 / 8.0 | | Next BOP Test: | | Working Interest: | | | | Totals: | | 8,578,755 | | 270,905 | | | | | | | |
| Average ROP (ft/hr): | | 41.88 | | | | | | | | Well Cost (\$): | | | | 270,905 | | | | | | | |
| Days (actual / plan): | | Drilling 0.85 / 0, | | Flat 0 / 0, | | Complete 0 / 0, | | Total 0.85 / 0 | | | | DOL: | | 2 | | | | | | | |
| Pers/Hrs: | | Operator: | | 0 / 0 | | Contractor: | | 0 / 0 | | Service: | | 0 / 0 | | Other: | | 0 / 0 | | Total: | | 0 / 0 | |
| Current Operations: | | CUT OFF, RIG DOWN | | | | | | | | | | | | | | | | | | | |
| Planned Operations: | | MOVE RIG TO NEW LOCATION | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: | | JR WRIGHT | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | |
| Engineer(s): | | Larry Gillette | | | | | | | | | | | | | | | | | | | |

Operations Summary

| From | To | Elapsed | End MD(ft) | Code | Operations Description | Non-Prod |
|-------|-------|---------|------------|------|--|----------|
| 6:00 | 14:00 | 8.00 | 956 | DRIL | DRILL F/ 621' TO 956' | |
| 14:00 | 15:00 | 1.00 | 956 | CIRC | CIR. HOLE CLEAN | |
| 15:00 | 17:30 | 2.50 | 956 | TRPO | TRIP OUT THE HOLE LAY DOWN PIPE | |
| 17:30 | 19:00 | 1.50 | 956 | CASE | R/U & RUN 23 JTS. OF 13 3/8 54.5# CASING | |
| 19:00 | 19:30 | 0.50 | 956 | CIRC | CIR. HOLE CLEAN | |
| 19:30 | 20:30 | 1.00 | 956 | CMTF | CEMENTED 13 3/8 CASING AS FOLLOWS TESTED LINES TO 1,500 PSI PUMPED 20 BBL SPACER @ 12.0 PPG, LEAD 375 SKS (161.5 BBLS) YIELD 2.42 CLASS C +2% E-310 + 2% E-500 +.25% E-800 @ 14.8# TAILED BY 350 SKS (84 BBLS) YIELD 1.35 CLASS C + 2% E-500 +.25% E-800, DROPPED PLUG, DISPLACED WITH WATER 137 BBLS. BUMPED WITH 350 PSI PRESSURED UP TO 850 PSI HELD FOR 5 MINUTES RELEASED PRESSURE BLED BACK 2 BBLS FLOATS HELD PLUG DOWN AT 8:25 .GOT BACK 80 BBLS OF CEMENT TO SURFACE | |
| 20:30 | 22:30 | 2.00 | 956 | WOC | WAIT ON CEMENT | |
| 22:30 | 23:30 | 1.00 | 956 | RD | CUT OFF CASING, RIG DOWN | |

Management Summary

FUEL USED 205 GAL

Cost/AFE Information

| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent |
|------------|---------------------------------|--------------|-----------|----------|-------------|------------|---------|
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 0.00 | 0.00 | 29,300.00 | 270,905.00 | 3.16% |
| Totals \$: | | 8,578,755.00 | 0.00 | 0.00 | 29,300.00 | 270,905.00 | 3.16% |

| | | | | | | | | | | |
|--|---|---------------------------|--------------|-----------------------------|------------|-----------------------|--|----------------------|--|--|
| | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | |
| | Report No: 3 | | | | | | Report For 06:00 AM 05-Aug-23 | | | |
| | Operator: SEM | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | | | |
| Measured Depth (ft): 956 | | Last Casing: 13.38 at 958 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) Actual (\$) | | |
| Vertical Depth (ft): | | Next Casing: | | RKB Elevation (ft): 2662 | | Totals: | | | | |
| Hole Made (ft) / Hrs: 0 / 0.0 | | Next BOP Test: | | Working Interest: 100% | | Well Cost (\$): | | | | |
| Average ROP (ft/hr): | | | | | | | | | | |
| Days (actual / plan): Drilling 0.85 / 0, Flat 0 / 0, Complete 0 / 0, Total 0.85 / 0 | | | | | | DOL: 2 | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 0 / 0 | | Total: 20 / 264 | | |
| Safety Summary: No incidents or events reported. Conducted Safety Meeting. | | | | | | | | | | |
| Current Operations: RIG MOVE | | | | | | | | | | |
| Planned Operations: MOVING IN AND RIGGING UP. EQUIPMENT ON LOCATION, 2 CRANES, 1 POLE TRUCK, 1 TANDEM, 4 HAUL TRUCKS, 1 FORKLIFT. 75 % RIG DOWN, 50 % MOVED, 10 % RIGGED UP. | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, BERT DIAZ | | | | | | Tel No.: 432-217-9511 | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | |

| Operations Summary | | | | | | | | | |
|--------------------|-------|---------|------------|------|---|--|--|--|----------|
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | Non-Prod |
| 6:00 | 9:00 | 3.00 | 956 | RD | RIG DOWN RIG FLOOR, PREP AND LAY DOWN MAST. LOAD OUT AND SET SEM OFFICES, POWER UP. | | | | |
| 9:00 | 14:00 | 5.00 | 956 | RDMO | LOAD OUT CAT WALK, RIG DOWN MIXING HOUSE PIPING AND ELECTRICAL, MUD TANKS, STAIRS, MUD PUMPS, ELECTRICAL AND MUD LINES, RIG DOWN MUD GAS SEPARATOR AND FLOW LINE. | | | | |
| 14:00 | 17:00 | 3.00 | 956 | RDMO | RIG DOWN GEN PACKAGE. PARTS HOUSE, DIESEL TANKS, FESTOON FROM DRILLERS CABIN, TOP PARTS HOUSE, DRAWWORKS AND LOWER FESTOON AND PREP FOR LOAD OUT. | | | | |
| 17:00 | 6:00 | 13.00 | 956 | RDMO | REMOVE MONKEY BOARD, CROWN SECTION, RIG DOWN DRAWWORKS, ODS PARTS HOUSE, SECURE ELECTRIC CABLES FOR TRANSPORT, UN PIN DRILLERS CABIN, UN PIN SUBS, CHANGE OUT VALVES AND SEATS ON # 1 MUD PUMP. | | | | |

| Casing/Tubular Information | | | | | | | | | | |
|----------------------------|------------|-------------|--------------|----------------|-----------------|--------------|----------------|-----------------|---------------|---------------|
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | |

| Cost/AFE Information | | | | | | | |
|----------------------|---------------------------------|--------------|-----------|----------|-------------|------------|---------|
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 0.00 | 0.00 | 41,257.00 | 315,877.00 | 3.68% |
| Totals \$: | | 8,578,755.00 | 0.00 | 0.00 | 41,257.00 | 315,877.00 | 3.68% |

| Rig Information | | | | | | | |
|---------------------|--|--|--|--|--|--|--|
| Equipment Problems: | | | | | | | |
| Location Condition: | | | | | | | |
| Transport: | | | | | | | |

| Bulk Inventory | | | | | | | |
|--|-------|-----------|------|----------|---------|-----|--|
| Comments: TRANSFER FROM UNIVERSITY 9C 0107 WC TO 9C 1209 WC. | | | | | | | |
| Item Type | Units | Beginning | Used | Received | On Hand | Net | |
| Fuel | | 3,497 | | | 3,497 | | |
| Mud | | 1,356 | | | 1,356 | | |

| Drill Pipe Inventory | | | | | | | | | |
|----------------------|--------|--------|-------|--------|---------|--------|--------|-------|--------|
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | |

| Safety Information | | |
|-----------------------------------|--|---|
| Meetings/Drills | Time | Description |
| Safety | 30 | RIG MOVE SAFETY, 100 % TIE OFF, FORK LIFT MANLIFT SAFETY, GOOD FLAGGING, SPEED LIMIT. |
| First Aid Treatments: | Medical Treatments: | Lost Time Incidents: |
| Days Since LTI: | | |
| <input type="checkbox"/> BOP Test | <input type="checkbox"/> Crownamatic Check | |

| Rental Tools Information | | | | | | | |
|--------------------------------------|---------------|------------|--------|-----------|-----------------|-----------|-----|
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 3

Report For 06:00 AM 05-Aug-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|-------------------|------------|----------|-----------|-----------------|-----------|-----|
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 242.00 | 05-Aug-23 | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 1.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 1.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 1.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 10,597.00 | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 3

Report For 06:00 AM 05-Aug-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|------|-------------|------------|--------|-----------|-----------------|-------|-----|
| | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|--|---|----------------------|---------------------------|-----------------|--|-----------------------------|--|-----------------|-----------------|------------------------------|--|----------------------|--------------------------------------|--|--|--|--|--|
| | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | |
| | Report No: 4 | | | | | | | | | | | | Report For 06:00 AM 06-Aug-23 | | | | | |
| | Operator: SEM | | | Rig: ICD 307 | | | Spud Date: | | | Daily Cost / Mud (\$): | | | | | | | | |
| Measured Depth (ft): 956 | | | Last Casing: 13.38 at 958 | | | Wellbore: Original Wellbore | | | AFE No. B24004 | | | AFE (\$) Actual (\$) | | | | | | |
| Vertical Depth (ft): | | | Next Casing: | | | RKB Elevation (ft): 2662 | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 0 / 0.0 | | | Next BOP Test: | | | Working Interest: 100% | | | Totals: | | | | | | | | | |
| Average ROP (ft/hr): | | | | | | | | | Well Cost (\$): | | | | | | | | | |
| Days (actual / plan): Drilling 0.85 / 0, Flat 0 / 0, Complete 0 / 0, Total 0.85 / 0 | | | | | | | | | | | | DOL: 3 | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 0 / 0 | | Total: 20 / 264 | | | | | | | | | | |
| Safety Summary: No incidents or events reported. Conducted Safety Meeting. | | | | | | | | | | | | | | | | | | |
| Current Operations: RIGGING UP | | | | | | | | | | | | | | | | | | |
| Planned Operations: CONTINUE RIGGING UP TOWARDS ACCEPTING RIG. EQUIPMENT ON LOCATION, 3 CRANES, 2 TANDEM, 2 FORK LIFTS, 1 POLE TRUCK, 4 HAUL TRUCKS. 100 % MOVED, 70 % RIGGED UP, | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, BERT DIAZ | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | |

| Operations Summary | | | | | | | | | | | | | |
|--------------------|-------|---------|------------|------|---|--|--|--|--|--|--|----------|--|
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | | Non-Prod | |
| 6:00 | 12:00 | 6:00 | 956 | MIRU | MIRU BACKYARD, CREW HOUSES, SUBS, DOG HOUSES, SET SHAKER TANK, SUCTION TANK, SET BULK TANKS, SET OBM EQUIP SET & R/U GAS BUSTER, SET WATER TANK, LOAD OUT CENTER STEEL, SUBS, CROWN SECTION AND MIDDLE SECTION, LOAD OUT MATS. | | | | | | | | |
| 12:00 | 18:00 | 6:00 | 956 | MIRU | SET MUD PUMPS, VFD, FESTOON, ENGINES, DIESEL TANKS, SET MATS, STACK SUBS, CENTER STEEL, DOG HOUSE, DRAWWORKS, FR-120, STRONG BACK, SET AND PIN MIDDLE AND CROWN SECTION, | | | | | | | | |
| 18:00 | 6:00 | 12:00 | 956 | RIGU | PIN FESTOON TO TOP DOG HOUSE, PLUG IN ELECTRICAL TO VFD, MUD PUMPS, ENGINES, DIESEL TANK, WATER TANK AND TOP DOG HOUSE, PIN MONKEY BOARD, DRESS DERRICK, HOOK UP KELLY HOSE AND MUD LINE ON DERRICK. RAISE DERRICK, SPOOL UP HOIST LINES, INSTALL FLOOR PLATES, SPOOL UP DRILL LINE ON DRAWWORKS, UN DOCK BLOCKS AND TOP DRIVE. | | | | | | | | |

| Casing/Tubular Information | | | | | | | | | | | |
|----------------------------|------------|-------------|--------------|----------------|-----------------|--------------|----------------|-----------------|---------------|---------------|--|
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | |

| Cost/AFE Information | | | | | | | |
|----------------------|---------------------------------|--------------|-----------|----------|-------------|------------|---------|
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 0.00 | 0.00 | 64,382.79 | 379,163.79 | 4.42% |
| Totals \$: | | 8,578,755.00 | 0.00 | 0.00 | 64,383.00 | 379,164.00 | 4.42% |

| Rig Information | | | | | | | |
|----------------------------|--|--|--|--|--|--|--|
| Equipment Problems: | | | | | | | |
| Location Condition: | | | | | | | |
| Transport: | | | | | | | |

| Bulk Inventory | | | | | | | |
|----------------|-------|-----------|------|----------|---------|-----|--|
| Item Type | Units | Beginning | Used | Received | On Hand | Net | |
| Fuel | | 3,497 | | 7,302 | 10,799 | | |
| Mud | | 1,356 | | | 1,356 | | |

| Drill Pipe Inventory | | | | | | | | | |
|----------------------|--------|--------|-------|--------|---------|--------|--------|-------|--------|
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | |

| Safety Information | | | |
|-----------------------------------|--|--|--|
| Meetings/Drills | Time | Description | |
| Safety | 30 | RIGGING DOWN AND UP, HYDRATION, PPE, TAG LINES, GOOD FLAGGING. SUSPENDED LOADS | |
| First Aid Treatments: | | Medical Treatments: | |
| Lost Time Incidents: | | Days Since LTI: | |
| <input type="checkbox"/> BOP Test | <input type="checkbox"/> Crownamatic Check | | |

| Rental Tools Information | | | | | | | |
|--|---------------|------------|--------|-----------|-----------------|-----------|-----|
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC


Sect: 12 County: Reagan State: TX


Report No: 4

Report For 06:00 AM 06-Aug-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|-------------------|------------|----------|-----------|-----------------|-----------|-----|
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 1.00 | 05-Aug-23 | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 1.00 | 05-Aug-23 | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 1.00 | 05-Aug-23 | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 242.00 | 05-Aug-23 | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 1.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 1.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 1.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 1.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 9,501.00 | | |

| | | | | | | | | | | | | | | | | | | | | |
|--|---|---------------------------|--------------|-----------------------------|--|--------------------------|------------------------|-----------------|---------------|------------------------|--|--------|----------|------------|--------|----------|-----|---------|-----|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | Report No: 5 | | | | | | | | | | Report For 06:00 AM 07-Aug-23 | | | | | | | | | |
| | Operator: SEM | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | | | | | | | | | | | | | |
| Measured Depth (ft): 956 | | Last Casing: 13.38 at 956 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): | | Next Casing: | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 0 / 0.0 | | Next BOP Test: 27-Aug-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 0.85 / 0, Flat 0 / 0, Complete 0 / 0, Total 0.85 / 0 | | | | | | | | | | | | DOL: 4 | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 0 / 0 | | Total: 20 / 264 | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 435 days since LTI. Conducted BOP Test, Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: RIGGING UP BACK YARD TRASH PUMPS AND PVC DUMP LINES. | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: FINISH RIGGING UP BACK YARD, PRE SPUD INSPECTION. PICK UP DIRECTIONAL TOOLS, TIH DRILL SHOE TRACK, DRILL 12.25 VERTICAL SECTION AS PER DIRECTIONAL PLAN # 1. | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, BERT DIAZ | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | | | | | | | | | |
| 6:00 | 18:00 | 12.00 | 956 | RIGU | RIG UP FLOOR, ELECTRIC LINES. MUD LINES, PITS, RIG UP MIXING HOUSE, BOTTOM HOPPER SKID, RUN OUT EQUIPMENT, SET STAIRS ON MUD TANKS, WATER TANK, SET CAT WALK AND RAISE V-DOOR,INSTALL FLOW LINE AND EXTENSION. | | | | | | | | | | | | | | | |
| 18:00 | 22:00 | 4.00 | 956 | BOPNU | SET BOPS, INSTALL TURN BUCKLES, CENTER STACK,TURN ROTATING HEAD, INSTALL FLEX LINE TO FLOW LINE,PRESSURE UP ACCUMULATOR, FUNCTION TEST BOPS, INSTALL CHOKE LINE ON STACK AND CHOKE, RIGGING UP BACK YARD TRANSFER PUMPS. | | | | | | | | | | | | | | | |
| 22:00 | 0:00 | 2.00 | 956 | BOPNU | PJSM, WITH NIPPLE UP CREW, TORQUE BOPS, AND ROTATING HEAD AND CHOKE LINES. | | | | | | | | | | | | | | | |
| 0:00 | 4:00 | 4.00 | 956 | BOPT | TEST CHOKE MANIFOLD, BLIND RAMS, LOWER, UPPER RAMS, FLOOR VALVES 250 LOW 5000 HIGH, TEST HYDRIL 250 LOW, 3000 HIGH, TEST MUD LINES 250 LOW 6000 HIGH, (CHANGE O RING GASKET ON STAND PIPE ON PORCH) RETEST MUD LINES. | | | | | | | | | | | | | | | |
| 4:00 | 4:30 | 0.50 | 956 | TESTCA | TEST CASING TO 1000 PSI AND HOLD 30 MINS...GOD TEST. | | | | | | | | | | | | | | | |
| 4:30 | 5:00 | 0.50 | 956 | RDT | RIG DOWN TESTER. | | | | | | | | | | | | | | | |
| 5:00 | 5:30 | 0.50 | 956 | WEAR | INSTALL WEAR BUSHING AND LOCK DOWN. | | | | | | | | | | | | | | | |
| 5:30 | 6:00 | 0.50 | 956 | OTHER | CONTINUE RIGGING UP BACK YARD TRANSFER PUMP, PRE MIX, DUMP LINES, TO BRINE AND FRESH WATER RESERVE PITS. | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 17,028.00 | 17,028.00 | 84,828.10 | 463,991.89 | 5.41% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 17,028.00 | 17,028.00 | 84,828.00 | 463,992.00 | 5.41% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 06-Aug-23 20:00 at Depth 956 ft | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Mud Consumables | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | | Qty. | Cost | Item Description | | | | Qty. | Cost | | | | | | | | | |
| ENGINEERING - EA | | | | 3 | 2,850.00 | ENGINEERING (DIEM) - EA | | | | 3 | 150.00 | | | | | | | | | |
| Forklift - EA | | | | 1 | 150.00 | SHRINK WRAP - EA | | | | 13 | 195.00 | | | | | | | | | |
| TRUCKING (CWT) - EA | | | | 419 | 1,361.75 | TRUCKING BULK (CWT) - EA | | | | 351 | 1,316.25 | | | | | | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | |
| No Run | Make | Model | Diam | Depth In | This Run Dist | Hrs | R.O.P. Avg | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | |
| 1 | 1 | ULTRERRA WAV616 | 12.25 | 956 | | | | | | | | | | | | | | | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | Out: | Grade: Cutter: / | | | | Dull: / | Wear: Brgs: Gge: Pull: | | | | | | | | | | |
| Comments: 12.25 VERTICAL BIT | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|--|---|---|-----------|----------------------|-----------------|--|--------|-------|--------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | |
| | Report No: 5 | | | | | Report For 06:00 AM 07-Aug-23 | | | |
| | Rig Information | | | | | | | | |
| Equipment Problems: | | | | | | | | | |
| Location Condition: | | | | | | | | | |
| Transport: | | | | | | | | | |
| Bulk Inventory | | | | | | | | | |
| Item Type | | Units | Beginning | Used | Received | On Hand | Net | | |
| Fuel | | | 10,799 | 764 | 3,900 | 13,935 | 3,136 | | |
| Mud | | | 1,356 | | 3,301 | 4,657 | | | |
| Drill Pipe Inventory | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | |
| Safety Information | | | | | | | | | |
| Meetings/Drills | Time | Description | | | | | | | |
| Safety | 30 | RIGGING UP, WORKING AT HEIGHTS, SAFETY EQUIPMENT, HYDRATION. NIPPLE UP. | | | | | | | |
| First Aid Treatments: | | Medical Treatments: | | Lost Time Incidents: | | Days Since LTI: | | 435 | |
| <input checked="" type="checkbox"/> BOP Test | | <input type="checkbox"/> Crownamatic Check | | | | | | | |
| Rental Tools Information | | | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End | | |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 242.00 | 05-Aug-23 | | | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | | | |
| Notes: EDR \$700 A DAY | | | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | | | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | | | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | | | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | | | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | | | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | | | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | | | |
| Notes: MUD VAC \$90 A DAY | | | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | | | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | | | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC


Sect: 12 County: Reagan State: TX

Report No: 5

Report For 06:00 AM 07-Aug-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|----------------|------------|----------|-----------|-----------------|-----------|-----|
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 4,500.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 350.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 15,744.00 | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|----------------------------|--------------|-----------------------------|--|-----------------|------------------------|-----------------|---------------|------------------------------|--|--------|----|------|-----|----------|-----|---------|-----|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | Report No: 6 | | | | | | | | | | Report For 06:00 AM 08-Aug-23 | | | | | | | | | |
| | Operator: SEM | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | | | | | | | | | | | | | |
| Measured Depth (ft): 3001 | | Last Casing: 13.38 at 958 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): 2974 | | Next Casing: 9.63 at 8,225 | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19904 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 2,045 / 15.0 | | Next BOP Test: 27-Aug-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): 136.33 | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 1.48 / 0, Flat 0 / 0, Complete 0 / 0, Total 1.48 / 0 | | | | | | | | | | DOL: 5 | | | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 0 / 0 | | Total: 20 / 264 | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 436 days since LTI. Conducted Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: DRILLING 12.25 INTERMEDIATE @ 3001' | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: DRILL 12.25 INTERMEDIATE AS PER DIRECTIONAL PLAN # 1. | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, BERT DIAZ | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | | | | | | | | | |
| 6:00 | 9:00 | 3.00 | 956 | RIGU | CONTINUE R/U PREMIX TANK, TROUGH PVC LINES, STRAP BHA | | | | | | | | | | | | | | | |
| 9:00 | 10:30 | 1.50 | 956 | BHAOP | P/U DIR. TOOLS, BIT, INSTALL MWD TOOL & TEST | | | | | | | | | | | | | | | |
| 10:30 | 12:30 | 2.00 | 956 | BHAOP | P/U DRILL COLLARS TO 635' | | | | | | | | | | | | | | | |
| 12:30 | 13:00 | 0.50 | 956 | SERV | SERVICE RIG | | | | | | | | | | | | | | | |
| 13:00 | 13:30 | 0.50 | 956 | REPR | WORKING ON ELECTRICAL ON DRAWWORKS | | | | | | X | | | | | | | | | |
| 13:30 | 14:30 | 1.00 | 956 | BHAOP | P/U HWDP TO 912' | | | | | | | | | | | | | | | |
| 14:30 | 15:00 | 0.50 | 956 | DCS | DRILL OUT SHOE TRACK | | | | | | | | | | | | | | | |
| 15:00 | 16:30 | 1.50 | 1,100 | DRIL | ROTATE F/ 956' T/ 1100' GPM 400 SPP 1100, DIFF 500 WOB 20 RPM 25 TQ 7 | | | | | | | | | | | | | | | |
| 16:30 | 17:00 | 0.50 | 1,184 | DRIL | SLIDE F/ 1100' TO 1120' GPM 700 SPP 1800 WOB 25 DIFF 300, TF 90 M. ROTATE F/1120 ' T/ 1184' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 35 TQ 10. | | | | | | | | | | | | | | | |
| 17:00 | 18:30 | 1.50 | 1,490 | DRIL | ROTATE F/1184' T/ 1490' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 35 TQ 10. | | | | | | | | | | | | | | | |
| 18:30 | 19:00 | 0.50 | 1,580 | DRIL | SLIDE F/ 1490' TO 1515' GPM 700 SPP 1800 WOB 25 DIFF 300, TF 30 M. ROTATE F/1515 ' T/ 1580' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 35 TQ 10. | | | | | | | | | | | | | | | |
| 19:00 | 19:30 | 0.50 | 1,665 | DRIL | SLIDE F/ 1580' TO 1605' GPM 800 SPP 1800 WOB 25 DIFF 300, TF 90L. ROTATE F/1605' T/ 1665' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 35 TQ 10. | | | | | | | | | | | | | | | |
| 19:30 | 20:00 | 0.50 | 1,700 | DRIL | SLIDE F/ 1665' TO 1700' GPM 800 SPP 2300 WOB 25 DIFF 400, TF 120L. | | | | | | | | | | | | | | | |
| 20:00 | 20:30 | 0.50 | 1,945 | DRIL | ROTATE F/1700' T/ 1945' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 45 TQ 13. | | | | | | | | | | | | | | | |
| 20:30 | 21:00 | 0.50 | 1,990 | DRIL | SLIDE F/ 1945' TO 1990' GPM 800 SPP 2300 WOB 25 DIFF 400, TF 165R. | | | | | | | | | | | | | | | |
| 21:00 | 23:00 | 2.00 | 2,225 | DRIL | ROTATE F/1990' T/ 2225' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 45 TQ 13. | | | | | | | | | | | | | | | |
| 23:00 | 0:00 | 1.00 | 2,285 | DRIL | SLIDE F/ 2225' TO 2285' GPM 800 SPP 2300 WOB 25 DIFF 400, TF 165R. | | | | | | | | | | | | | | | |
| 0:00 | 1:30 | 1.50 | 2,510 | DRIL | ROTATE F/2285' T/ 2510' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 45 TQ 13. | | | | | | | | | | | | | | | |
| 1:30 | 2:00 | 0.50 | 2,560 | DRIL | SLIDE F/ 2510' TO 2560' GPM 800 SPP 2300 WOB 25 DIFF 400, TF 160R. | | | | | | | | | | | | | | | |
| 2:00 | 3:30 | 1.50 | 2,700 | DRIL | ROTATE F/2560' T/ 2700' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 45 TQ 13. | | | | | | | | | | | | | | | |
| 3:30 | 4:00 | 0.50 | 2,745 | DRIL | SLIDE F/ 2700' TO 2745' GPM 800 SPP 2300 WOB 25 DIFF 400, TF 160R. | | | | | | | | | | | | | | | |
| 4:00 | 4:30 | 0.50 | 2,782 | DRIL | ROTATE F/2745' T/ 2782' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 45 TQ 13. | | | | | | | | | | | | | | | |
| 4:30 | 5:00 | 0.50 | 2,782 | DRIL | REMOVE TRIP NIPPLE AND INSTALL ROTATING HEAD. | | | | | | | | | | | | | | | |
| 5:00 | 6:00 | 1.00 | 3,001 | DRIL | ROTATE F/2782' T/ 3001' GPM 800 SPP 2500, DIFF 600 WOB 35 RPM 45 TQ 13. | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 7,894.30 | 24,922.30 | 113,268.30 | 591,035.19 | 6.89% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 7,894.00 | 24,922.00 | 113,268.00 | 591,035.00 | 6.89% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | CI | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 07-Aug-23 20:00 at Depth 1,751 ft, Type: Saturated Salt Mud | | | | | | | | | | | | | | | | | | | | |
| 10.00 | 28.00 | 2.00 | 2.00 | | | | 10.8 | | 89.2 | | 2.6 | 176000 | | 2820 | | | | 96.00 | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 6

Report For 06:00 AM 08-Aug-23

Mud Consumables

| Item Description | Qty. | Cost | Item Description | Qty. | Cost |
|---------------------------------|------|----------|-------------------------|------|----------|
| AES BENTONITE - 5GAL | 6 | 420.00 | BLOWER USAGE - | 1 | 695.00 |
| BULK BARITE TANK RENTAL - OTHER | 2 | 590.00 | ENGINEERING - EA | 1 | 950.00 |
| ENGINEERING (DIEM) - EA | 1 | 50.00 | GEL BULK (100) - 100#SK | 145 | 1,448.55 |
| LIQUID MUD RENTAL - OTHER | 2399 | 2,399.00 | SODA ASH - 50#SK | 3 | 44.25 |
| TRUCKING BULK (CWT) - EA | 346 | 1,297.50 | | | |

Bit/BHA/Workstring Information

| No Run | Make | Model | Diam | Depth In | This Run Dist | R.O.P. Hrs | Avg | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF |
|--------|------|----------------|-------|----------|---------------|------------|-------|-----|-------|-----|--------|----|----------|------------|--------|--------|-----|-----|
| 1 | 1 | ULTERRA WAV616 | 12.25 | 956 | 2045 | 14.5 | 141.0 | | 40.00 | 50 | 13.00 | 10 | 800 | 2500 | 115 | 118 | 55 | 475 |

Jets: 18 18 18 18 18 18 18 18 18 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:

Comments: 12.25 VERTICAL BIT

BHA - No. 1 - BIT, MMTR, UBHO, 2 NMDC, XO, 18 DC, 12 HWDP = 996.64

Drilling Parameters

| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure |
|------------|-------|-------------|-------|-----------|-------|-----|-----|-----------------|-------|-----------------|--------|----------|
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | (psi) |
| 956 | 3,001 | 141.0 | 300.0 | 35.00 | 40.00 | 45 | 50 | 10.00 | 13.00 | 700.00 | 800.00 | 2,500.00 |

Annular Velocity: Drill Collars: 169.8 Drill Pipe: 137.2

Miscellaneous Drilling Parameters

Hook Loads (lbs): Off Bottom Rotate: 165.00 Pick Up: 170.00 Slack Off: 160.00 Drag Avg/Max: 10 / 10

Hours on Casing/Liner: Rotating: / Tripping: / ☒ Wear Bushing Installed

Rig Information

Equipment Problems:

Location Condition:

Transport:

Solids Control Information

| Screen Sizes: | Top | Middle 1 | Middle 2 | Bottom |
|---------------|-----|----------|----------|--------|
| Shaker No 1: | 170 | 170 | 170 | 170 |
| Shaker No 2: | 170 | 170 | 170 | 170 |
| Shaker No 3: | 170 | 170 | 170 | 170 |

Bulk Inventory

| Item Type | Units | Beginning | Used | Received | On Hand | Net |
|-----------|-------|-----------|-------|----------|---------|-----|
| Fuel | | 13,935 | 1,911 | | 12,024 | |
| Mud | | 4,657 | | | 4,657 | |

Drill Pipe Inventory

| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread |
|---------|--------|--------|-------|--------|---------|--------|--------|-------|--------|
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | |

Safety Information

Meetings/Drills Time Description

Safety 30 PICKING UP DRILL PIPE, PROPER LIFTING, MIXING CHEMICALS. PPE.


First Aid Treatments: Medical Treatments: Lost Time Incidents: Days Since LTI: 436

☐ BOP Test ☐ Crownamatic Check

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|------------------|------------|---------|-----------|-----------------|-----------|-----|
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |

|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | |
|--|---|------------|----------|-------------------------------|--|-----------|-----|
| Report No: 6 | | | | Report For 06:00 AM 08-Aug-23 | | | |
| Rental Tools Information | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 242.00 | 05-Aug-23 | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 350.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 18,519.00 | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 7

Report For 06:00 AM 09-Aug-23

| | | | | | | | | | | |
|-----------------------|---|----------------|---------------|-------------------------|------------------------|-----------------|----------|-------------|--------|----------|
| Operator: | SEM | Rig: | ICD 307 | Spud Date: | Daily Cost / Mud (\$): | | | | | |
| Measured Depth (ft): | 5760 | Last Casing: | 13.38 at 958 | Wellbore: | Original Wellbore | AFE No. | AFE (\$) | Actual (\$) | | |
| Vertical Depth (ft): | 2974 | Next Casing: | 9.63 at 8,225 | RKB Elevation (ft): | 2662 | B24004 | | | | |
| Proposed TD (ft): | 19904 | Last BOP Test: | 07-Aug-23 | Job Reference RKB (ft): | | | | | | |
| Hole Made (ft) / Hrs: | 2,759 / 23.5 | Next BOP Test: | 27-Aug-23 | Working Interest: | 100% | Totals: | | | | |
| Average ROP (ft/hr): | 117.4 | | | | | Well Cost (\$): | | | | |
| Days (actual / plan): | Drilling 2.46 / 0, Flat 0 / 0, Complete 0 / 0, Total 2.46 / 0 | | | | | | DOL: | 6 | | |
| Pers/Hrs: | Operator: | 2 / 24 | Contractor: | 11 / 144 | Service: | 7 / 96 | Other: | 0 / 0 | Total: | 20 / 264 |

Safety Summary:

No incidents or events reported. 437 days since LTI. Conducted Safety Meeting.

Current Operations:

DRILLING 12.25 INTERMEDIATE @ 5760'

Planned Operations:

DRILL 12.25 INTERMEDIATE AS PER DIRECTIONAL PLAN # 1.

Wellsite Supervisors:

JR WRIGHT, BERT DIAZ

Tel No.: 432-217-9511

Engineer(s):

Larry Gillette

| Operations Summary | | | | | | | | | |
|--------------------|-------|---------|------------|------|---|--|--|--|----------|
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | Non-Prod |
| 6:00 | 6:15 | 0.25 | 3,090 | DRIL | ROTATE F/3001' T/ 3090' GPM 800 SPP 3000, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 6:15 | 6:30 | 0.25 | 3,110 | DRIL | SLIDE F/ 3090' TO 3110' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 180 | | | | |
| 6:30 | 6:45 | 0.25 | 3,130 | DRIL | ROTATE F/3110' T/ 3130' GPM 800 SPP 3000, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 6:45 | 7:00 | 0.25 | 3,150 | DRIL | SLIDE F/ 3130' TO 3150' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 180 | | | | |
| 7:00 | 7:30 | 0.50 | 3,200 | DRIL | ROTATE F/3150' T/ 3200' GPM 800 SPP 3000, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 7:30 | 8:00 | 0.50 | 3,253 | DRIL | SLIDE F/ 3200' TO 3253' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 180 | | | | |
| 8:00 | 8:30 | 0.50 | 3,360 | DRIL | ROTATE F/3253' T/ 3360' GPM 800 SPP 3000, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 8:30 | 9:30 | 1.00 | 3,410 | DRIL | SLIDE F/ 3360' TO 3410' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 180 | | | | |
| 9:30 | 10:00 | 0.50 | 3,460 | DRIL | ROTATE F/3410' T/ 3460' GPM 800 SPP 3000, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 10:00 | 10:30 | 0.50 | 3,495 | DRIL | SLIDE F/ 3460' TO 3495' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 170R | | | | |
| 10:30 | 11:00 | 0.50 | 3,550 | DRIL | ROTATE F/3495' T/ 3550' GPM 800 SPP 3000, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 11:00 | 11:30 | 0.50 | 3,610 | DRIL | SLIDE F/ 3550' TO 3610' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 170R | | | | |
| 11:30 | 12:00 | 0.50 | 3,628 | DRIL | ROTATE F/3610' T/ 3628' GPM 800 SPP 3100, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 12:00 | 12:30 | 0.50 | 3,628 | SERV | SERVICE RIG, TOP DRIVE, BLOCKS | | | | |
| 12:30 | 13:30 | 1.00 | 3,830 | DRIL | ROTATE F/3628' T/ 3830' GPM 800 SPP 3100, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 13:30 | 14:30 | 1.00 | 3,890 | DRIL | SLIDE F/ 3830' TO 3890' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 120R | | | | |
| 14:30 | 15:30 | 1.00 | 3,940 | DRIL | ROTATE F/3890' T/ 3940' GPM 800 SPP 3100, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 15:30 | 16:00 | 0.50 | 4,000 | DRIL | SLIDE F/ 3940' TO 4000' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 110R | | | | |
| 16:00 | 16:30 | 0.50 | 4,037 | DRIL | ROTATE F/4000' T/ 4037' GPM 800 SPP 3100, DIFF 600 WOB 35 RPM 45 TQ 18. | | | | |
| 16:30 | 17:30 | 1.00 | 4,067 | DRIL | SLIDE F/ 4037' TO 4067' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 110R | | | | |
| 17:30 | 20:00 | 2.50 | 4,381 | DRIL | ROTATE F/4067' T/ 4381' GPM 800 SPP 3100, DIFF 900 WOB 35 RPM 45 TQ 18. | | | | |
| 20:00 | 21:00 | 1.00 | 4,416 | DRIL | SLIDE F/ 4381' TO 4416' GPM 800 SPP 2500 WOB 25 DIFF 400, TF 130R | | | | |
| 21:00 | 23:00 | 2.00 | 4,674 | DRIL | ROTATE F/4416' T/ 4674' GPM 800 SPP 3100, DIFF 900 WOB 35 RPM 45 TQ 20. (DISPLACE BRINE WITH FRESH WATER MUD @ 4474') | | | | |
| 23:00 | 23:30 | 0.50 | 4,722 | DRIL | SLIDE F/ 4674' TO 4722' GPM 800 SPP 2600 WOB 25 DIFF 400, TF 180 | | | | |
| 23:30 | 3:30 | 4.00 | 5,416 | DRIL | ROTATE F/4722' T/ 5416' GPM 800 SPP 3100, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | |
| 3:30 | 4:30 | 1.00 | 5,451 | DRIL | SLIDE F/ 5416' TO 5451' GPM 800 SPP 2600 WOB 25 DIFF 400, TF 120R | | | | |
| 4:30 | 6:00 | 1.50 | 5,760 | DRIL | ROTATE F/5451' T/ 5760' GPM 800 SPP 3100, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | |

| Casing/Tubular Information | | | | | | | | | | |
|----------------------------|------------|-------------|--------------|----------------|-----------------|--------------|----------------|-----------------|---------------|---------------|
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | |


| Cost/AFE Information | | | | | | | |
|----------------------|---------------------------------|--------------|-----------|-----------|-------------|------------|---------|
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 6,598.70 | 31,521.00 | 79,899.70 | 670,934.89 | 7.82% |
| Totals \$: | | 8,578,755.00 | 6,599.00 | 31,521.00 | 79,900.00 | 670,935.00 | 7.82% |

| Mud Information | | | | | | | | | | | | | | | | | | | | |
|---|-------|------|------|-------|------|-------|--------|-----|-------|------|-----|--------|----|------|-----|-----|------|-------|-----|------|
| % | | | | | | | | | | | | | | Gels | | | Temp | | Mud | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | 10m | 30m | In | Out | Loss |
| 08-Aug-23 18:00 at Depth 4,170 ft, Type: Saturated Salt Mud | | | | | | | | | | | | | | | | | | | | |
| 10.10 | 27.00 | 1.00 | 1.00 | | | 8 | 11.9 | | 88.1 | | 1.7 | 176000 | | 3000 | 1 | 1 | 1 | 09.00 | | |


Printed: 06:03 09-Aug-23


RIMBase 7.5.948.0

Page: 1 of 3


| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------|--|--|------|------------|----------|--|-------------------------|---------------|-------------------------------|-----------------|--|------------|--|--|--|-----------------|--|--|--|--------|--|----------|--|----------|--|------------|--|--------|--|--------|--|-----|--|-----|--|-----|--|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | | | | | | | | | | | | |
| | Report No: 7 | | | | | | | | | | Report For 06:00 AM 09-Aug-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mud Consumables | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | | | Qty. | | Cost | | Item Description | | | | | Qty. | | Cost | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINEERING - EA | | | | | 1 | | 950.00 | | ENGINEERING (DIEM) - EA | | | | | 1 | | 50.00 | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINEERING TRAVEL - EA | | | | | 1 | | 950.00 | | EXP 4004 - GALS | | | | | 4 | | 396.72 | | | | | | | | | | | | | | | | | | | | | | | |
| GEL BULK (100) - 100#SK | | | | | 402 | | 4,015.98 | | SODA ASH - 50#SK | | | | | 16 | | 236.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Run | | Make | | Model | | Diam | | Depth In | | This Run Dist | | Hrs | | R.O.P. Avg | | Max | | WOB | | RPM | | Torque | | Wt | | Mud Flow | | Pump Press | | J. Vel | | P. Drp | | HHP | | JIF | | | |
| 1 | | 1 | | ULTERRA | | WAV616 | | 12.25 | | 956 | | 4804 | | 38 | | 126.4 | | 350.0 | | 35.00 | | 50 | | 20.00 | | 10 | | 800 | | 3400 | | 115 | | 115 | | 54 | | 466 | |
| Jets: 18 18 18 18 18 18 18 18 18 18 | | | | | | | | | | Out: | | Grade: | | Cutter: / | | Dull: / | | Wear: | | Brgs: | | Gge: | | Pull: | | | | | | | | | | | | | | | |
| Comments: 12.25 VERTICAL BIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BHA - No. 1 - BIT, MMTR, UBHO, 2 NMDC, XO, 18 DC, 12 HWDP = 996.64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | | | ROP (ft/hr) | | | | WOB (lbs) | | | | RPM | | | | Torque (ft lbs) | | | | Flow (gals/min) | | | | Pressure | | | | | | | | | | | | | | | |
| From | | To | | Avg | | Max | | Avg | | Max | | Avg | | Max | | Avg | | Max | | Avg | | Max | | Avg | | Max | | (psi) | | | | | | | | | | | |
| 3,001 | | 5,760 | | 125.0 | | 250.0 | | 35.00 | | 35.00 | | 50 | | 50 | | 13.00 | | 20.00 | | 800.00 | | 800.00 | | 3,400.00 | | | | | | | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | | | Off Bottom Rotate: | | | | Pick Up: | | | | Slack Off: | | | | Drag Avg/Max: | | | | / | | | | | | | | | | | | | | | | | | | |
| Hours on Casing/Liner: | | | | Rotating: | | | | / | | | | Tripping: | | | | / | | | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | | | | | | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | | | | Top | | Middle 1 | | Middle 2 | | Bottom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 1: | | | | 170 | | 170 | | 170 | | 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 2: | | | | 170 | | 170 | | 170 | | 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 3: | | | | 170 | | 170 | | 170 | | 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Type | | | | Units | | | | Beginning | | | | Used | | | | Received | | | | On Hand | | | | Net | | | | | | | | | | | | | | | |
| Fuel | | | | | | | | 12,024 | | | | 3,239 | | | | | | | | 8,785 | | | | | | | | | | | | | | | | | | | |
| Mud | | | | | | | | 4,657 | | | | | | | | | | | | 4,657 | | | | | | | | | | | | | | | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP Size | | Joints | | Weight | | Grade | | Thread | | DP Size | | Joints | | Weight | | Grade | | Thread | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 701 | | 19.50 | | S-135 | | OTHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | | | Time | | | | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Safety | | | | 30 | | | | MIXING CHEMICALS, PPE, PROPER LIFTING, AIR WINCH SAFETY. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | | Medical Treatments: | | | | Lost Time Incidents: | | | | Days Since LTI: | | | | 437 | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> BOP Test | | | | <input type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | | Description | | | | Serial No. | | | | Vendor | | | | Acct Code | | | | Today's Cost \$ | | Start | | End | | | | | | | | | | | | | | | | | |
| Port-a-let | | PORT O JOHNS | | | | | | | | H&S | | | | DRL-240 | | | | 20.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumpster | | TRASH TRAILER | | | | | | | | H&S | | | | DRL-240 | | | | 25.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H2S | | H2S SAFETY | | | | | | | | AMPRO | | | | DRL-240 | | | | 250.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Choke | | CHOKE AND FLARE | | | | | | | | PAYZONE | | | | DRL-240 | | | | 300.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rotating Hd. | | ROTATING HEAD | | | | | | | | CUTTER | | | | DRL-240 | | | | 200.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trailer | | OFFICE AND COMMS | | | | | | | | TREND | | | | DRL-240 | | | | 1,880.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frac Tanks | | FRAC TANKS | | | | | | | | THORPE | | | | DRL-245 | | | | 242.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

|  | | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | |
|--|-------------------|---|----------|-----------|-----------------|--|-----|
| Report No: 7 | | Report For 06:00 AM 09-Aug-23 | | | | | |
| Rental Tools Information | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 350.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 18,519.00 | | |

| | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------|--------------|----------------|---|--------------|----------------|-----------------|---------------|-----------------------------|--|------------|----|-----------------|------------------------------|-----|----------|----|-------------|------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | Report No: 8 | | | | | | | | | | Report For 06:00 AM 10-Aug-23 | | | | | | | | | |
| Operator: SEM | | | | | Rig: ICD 307 | | | | | Spud Date: | | | | | Daily Cost / Mud (\$): | | | | | |
| Measured Depth (ft): 6970 | | | | | Last Casing: 13.38 at 958 | | | | | Wellbore: Original Wellbore | | | | | AFE No. | | AFE (\$) | | Actual (\$) | |
| Vertical Depth (ft): 6846 | | | | | Next Casing: 9.63 at 8,225 | | | | | RKB Elevation (ft): 2662 | | | | | B24004 | | | | | |
| Proposed TD (ft): 19904 | | | | | Last BOP Test: 07-Aug-23 | | | | | Job Reference RKB (ft): | | | | | | | | | | |
| Hole Made (ft) / Hrs: 1,210 / 21.5 | | | | | Next BOP Test: 27-Aug-23 | | | | | Working Interest: 100% | | | | | Totals: | | | | | |
| Average ROP (ft/hr): 56.28 | | | | | | | | | | | | | | | Well Cost (\$): | | | | | |
| Days (actual / plan): Drilling 3.35 / 0, Flat 0 / 0, Complete 0 / 0, Total 3.35 / 0 | | | | | | | | | | DOL: 7 | | | | | | | | | | |
| Pers/Hrs: | | Operator: 2 / 24 | | | Contractor: 11 / 144 | | | Service: 7 / 96 | | | Other: 0 / 0 | | | Total: 20 / 264 | | | | | | |
| Safety Summary: No incidents or events reported. 438 days since LTI. Conducted Crown Check, Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: DRILLING 12 1/4" VERTICAL | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: DRILL 12 1/2" | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORN | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL | | | | | | | | | | | | | | | Tel No.: 432-217-9511 | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | | | | | | | Non-Prod | | | |
| 6:00 | 8:00 | 2.00 | 6,190 | DRIL | ROTATE F/5760' T/ 6190' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 8:00 | 9:30 | 1.50 | 6,233 | DRIL | SLIDE F/ 6190' TO 6233' GPM 800 SPP 2800 WOB 25 DIFF 400, TF 45R | | | | | | | | | | | | | | | |
| 9:30 | 10:00 | 0.50 | 6,261 | DRIL | ROTATE F/6233' T/ 6261' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 10:00 | 11:30 | 1.50 | 6,291 | DRIL | SLIDE F/ 6261' TO 6291' GPM 800 SPP 2800 WOB 25 DIFF 400, TF 10R | | | | | | | | | | | | | | | |
| 11:30 | 12:00 | 0.50 | 6,370 | DRIL | ROTATE F/6291' T/ 6370' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 12:00 | 14:00 | 2.00 | 6,420 | DRIL | SLIDE F/ 6370' TO 6420' GPM 800 SPP 2800 WOB 25 DIFF 400, TF HS | | | | | | | | | | | | | | | |
| 14:00 | 14:30 | 0.50 | 6,460 | DRIL | ROTATE F/6420' T/ 6460' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 14:30 | 16:30 | 2.00 | 6,510 | DRIL | SLIDE F/ 6460' TO 6510' GPM 800 SPP 2800 WOB 25 DIFF 400, TF HS | | | | | | | | | | | | | | | |
| 16:30 | 17:00 | 0.50 | 6,543 | DRIL | ROTATE F/6510' T/ 6543' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 17:00 | 17:30 | 0.50 | 6,543 | SERV | SERVICE RIG | | | | | | | | | | | | | | | |
| 17:30 | 18:00 | 0.50 | 6,560 | DRIL | ROTATE F/ 6,543' T/ 6,560' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 18:00 | 19:00 | 1.00 | 6,590 | DRIL | SLIDE F/ 6,560' T/ 6,590' GPM 800 SPP 2800 WOB 25 DIFF 400, TF HS | | | | | | | | | | | | | | | |
| 19:00 | 19:30 | 0.50 | 6,638 | DRIL | ROTATE F/ 6,590' T/ 6,638' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 19:30 | 21:00 | 1.50 | 6,688 | DRIL | SLIDE F/ 6,638' T/ 6,688' GPM 800 SPP 2800 WOB 25 DIFF 400, TF HS | | | | | | | | | | | | | | | |
| 21:00 | 21:30 | 0.50 | 6,732 | DRIL | ROTATE F/ 6,688' T/ 6,732' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 21:30 | 23:30 | 2.00 | 6,777 | DRIL | SLIDE F/ 6,732' T/ 6,777' GPM 800 SPP 2800 WOB 25 DIFF 400, TF HS ROTATE 6,760 T/ 6,770' | | | | | | | | | | | | | | | |
| 23:30 | 0:30 | 1.00 | 6,826 | DRIL | ROTATE F/ 6,777' T/ 6,826' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 0:30 | 2:30 | 2.00 | 6,826 | REPR | REBUILD 1 4" DISCHARGE VALVE AND REPLACE 1 4" DISCHARGE VALVE | | | | | | | | | | | | X | | | |
| 2:30 | 3:30 | 1.00 | 6,916 | DRIL | ROTATE F/ 6,826' T/ 6,916' GPM 800 SPP 3200, DIFF 900 WOB 35 RPM 45 TQ 20. | | | | | | | | | | | | | | | |
| 3:30 | 6:00 | 2.50 | 6,970 | DRIL | SLIDE F/ 6,916' T/ 6,970 GPM 800 SPP 2800 WOB 25 DIFF 400, TF HS | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | | Daily Mud | | Well Mud | | Daily Total | | Well Total | | % Spent | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | | 7,154.96 | | 38,675.96 | | 60,453.96 | | 731,388.85 | | 8.53% | | | | | | |
| Totals \$: | | | | 8,578,755.00 | | 7,155.00 | | 38,676.00 | | 60,454.00 | | 731,389.00 | | 8.53% | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | Gels | | Temp | | Mud | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | 10m | 30m | In | Out | Loss |
| 09-Aug-23 09:00 at Depth 6,215 ft Mud Pits, Type: Saturated Salt Mud | | | | | | | | | | | | | | | | | | | | |
| 9.20 | 37.00 | 4.00 | 2.00 | | | 9.5 | 6.2 | | 93.7 | | | 2700 | | 1820 | 10 | 11 | 12 | | 15.00 | |
| 09-Aug-23 20:00 at Depth 6,659 ft Mud Pits, Type: Saturated Salt Mud | | | | | | | | | | | | | | | | | | | | |
| 9.20 | 35.00 | 5.00 | 8.00 | | | 9.5 | 6.2 | | 93.7 | | | 3200 | | 2000 | 8 | 9 | 11 | | 30.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------|----------|---|---------------|-------------|------------------|-------------------------|-----------|-----------------|-----------------|-----------------|-----------|----------|------------|--|--------|-----|-----|--|--|--|--|--|--|--|--|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | |
| | Report No: 8 | | | | | | | | | | | | | | | Report For 06:00 AM 10-Aug-23 | | | | | | | | | | | |
| | Mud Consumables | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | | | Qty. | Cost | | Item Description | | | | | Qty. | Cost | | | | | | | | | | | | | |
| AES BENTONITE - 5GAL | | | | | 20 | 1,400.00 | | BLUE MAX - 5GAL | | | | | 13 | 600.99 | | | | | | | | | | | | | |
| DEFOAMER - GALS | | | | | 2 | 152.68 | | ENGINEERING - EA | | | | | 1 | 950.00 | | | | | | | | | | | | | |
| ENGINEERING (DIEM) - EA | | | | | 1 | 50.00 | | GEL BULK (100) - 100#SK | | | | | 371 | 3,706.29 | | | | | | | | | | | | | |
| SODA ASH - 50#SK | | | | | 20 | 295.00 | | | | | | | | | | | | | | | | | | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Run | Make | Model | Diam | Depth In | This Run Dist | Hrs | R.O.P. Avg | | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | | | | | | | |
| 1 | 1 | ULTERRA | WAV616 | 12.25 | 956 | 6014 | 59.5 | 101.1 | 350.0 | 40.00 | 50 | 1000.00 | 9 | 800 | 3300 | 115 | 108 | 51 | 437 | | | | | | | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | | Out: | | Grade: Cutter: / | | Dull: / | | Wear: | | Brigs: | | Gge: | | Pull: | | | | | | | | | | |
| Comments: 12.25 VERTICAL BIT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BHA - No. 1 - BIT, MMTR, UBHO, 2 NMDC, XO, 18 DC, 12 HWDP = 996.64 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | | | | | | | | | | | | | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | | | | | | | | | | | | | |
| 5,760 | 6,970 | 59.5 | 101.0 | 40.00 | 40.00 | 50 | 50 | 21,000. | 21,000. | 800.00 | 800.00 | 3,300.00 | | | | | | | | | | | | | | | |
| Annular Velocity: Drill Collars: | | | | 194.0 | | Drill Pipe: | | | | 156.8 | | | | | | | | | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | | | Off Bottom Rotate: | | | | Pick Up: | | | | Slack Off: | | | | Drag Avg/Max: 60000 / 60000 | | | | | | | | | | | |
| Hours on Casing/Liner: | | | | Rotating: | | | | / | | | | Tripping: | | | | / | | | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | | Top | Middle 1 | Middle 2 | Bottom | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 1: | | 170 | 170 | 170 | 170 | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 2: | | 170 | 170 | 170 | 170 | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 3: | | 170 | 170 | 170 | 170 | | | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Type | | | | | Units | Beginning | | Used | | Received | | On Hand | | Net | | | | | | | | | | | | | |
| Fuel | | | | | | 8,785 | | 3,003 | | | | 5,782 | | | | | | | | | | | | | | | |
| Mud | | | | | | 4,657 | | | | | | 4,657 | | | | | | | | | | | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | | DP Size | Joints | Weight | Grade | Thread | | | | | | | | | | | | | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | Time | | Description | | | | | | | | | | | | | | | | | | | | | | | |
| Safety | | 30 | | HAND AND BODY PLACEMENT | | | | | | | | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | | Medical Treatments: | | | | Lost Time Incidents: | | | | Days Since LTI: | | | | 438 | | | | | | | | | | | |
| <input type="checkbox"/> BOP Test | | | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Description | | | | Serial No. | | Vendor | | Acct Code | | Today's Cost \$ | | Start | | End | | | | | | | | | | | | |
| Port-a-let | PORT O JOHNS | | | | | | H&S | | DRL-240 | | 20.00 | | 05-Aug-23 | | | | | | | | | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumpster | TRASH TRAILER | | | | | | H&S | | DRL-240 | | 25.00 | | 05-Aug-23 | | | | | | | | | | | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H2S | H2S SAFETY | | | | | | AMPRO | | DRL-240 | | 250.00 | | 05-Aug-23 | | | | | | | | | | | | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Choke | CHOKE AND FLARE | | | | | | PAYZONE | | DRL-240 | | 300.00 | | 05-Aug-23 | | | | | | | | | | | | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | | | | | CUTTER | | DRL-240 | | 200.00 | | 05-Aug-23 | | | | | | | | | | | | | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trailer | OFFICE AND COMMS | | | | | | TREND | | DRL-240 | | 1,880.00 | | 05-Aug-23 | | | | | | | | | | | | | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | |

|  | | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | |
|--|-------------------|---|----------|-----------|--|-----------|-----|
| Report No: 8 | | Report For 06:00 AM 10-Aug-23 | | | | | |
| Rental Tools Information | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 242.00 | 05-Aug-23 | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Clean | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 350.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 18,519.00 | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 9

Report For 06:00 AM 11-Aug-23

| | | | | | | | | | | |
|-----------------------|---|----------------|---------------|-------------------------|------------------------|---------|----------|-------------|--------|----------|
| Operator: | SEM | Rig: | ICD 307 | Spud Date: | Daily Cost / Mud (\$): | | | | | |
| Measured Depth (ft): | 7514 | Last Casing: | 13.38 at 958 | Wellbore: | Original Wellbore | AFE No. | AFE (\$) | Actual (\$) | | |
| Vertical Depth (ft): | 7379 | Next Casing: | 9.63 at 8,225 | RKB Elevation (ft): | 2662 | B24004 | | | | |
| Proposed TD (ft): | 19904 | Last BOP Test: | 07-Aug-23 | Job Reference RKB (ft): | | | | | | |
| Hole Made (ft) / Hrs: | 544 / 24.0 | Next BOP Test: | 27-Aug-23 | Working Interest: | 100% | Totals: | | | | |
| Average ROP (ft/hr): | 22.67 | | | | Well Cost (\$): | | | | | |
| Days (actual / plan): | Drilling 4.35 / 0, Flat 0 / 0, Complete 0 / 0, Total 4.35 / 0 | | | | | | | DOL: | 8 | |
| Pers/Hrs: | Operator: | 2 / 24 | Contractor: | 11 / 144 | Service: | 7 / 96 | Other: | 0 / 0 | Total: | 20 / 264 |

Safety Summary: No incidents or events reported. 439 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 12.25 VERTICAL

Planned Operations: DRILL 12.25

Toolpusher: JOHN OSBORN

Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL

Engineer(s): Larry Gillette

Tel No.: 432-217-9511

| Operations Summary | | | | | | | | | | |
|--------------------|-------|---------|------------|------|---|--|--|--|--|----------|
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | Non-Prod |
| 6:00 | 17:30 | 11.50 | 7,201 | DRIL | SLIDE F/ 6,970' T/ 7,201' GPM 800 SPP 2700 DIFF 200 WOB 40 TF HS | | | | | |
| 17:30 | 18:00 | 0.50 | 7,201 | DRIL | RIG SERVICE | | | | | |
| 18:00 | 20:00 | 2.00 | 7,255 | DRIL | SLIDE F/ 7,201' T/ 7,255' GPM 800 SPP 2700 DIFF 200 WOB 40 TF HS | | | | | |
| 20:00 | 20:30 | 0.50 | 7,302 | DRIL | ROTATE F/ 7,255' T/ 7,302' GPM 800 SPP 3300 DIFF 800 WOB 40 RPM 50 TQ 24K | | | | | |
| 20:30 | 23:00 | 2.50 | 7,362 | DRIL | SLIDE F/ 7,302' T/ 7,362' GPM 800 SPP 2700 DIFF 200 WOB 40 TF 45L | | | | | |
| 23:00 | 23:30 | 0.50 | 7,395 | DRIL | ROTATE F/ 7,362' T/ 7,395' GPM 800 SPP 3300 DIFF 800 WOB 40 RPM 50 TQ 24K | | | | | |
| 23:30 | 2:30 | 3.00 | 7,445 | DRIL | SLIDE F/ 7,395' T/ 7,445' GPM 800 SPP 2700 DIFF 200 WOB 40 TF 50L | | | | | |
| 2:30 | 3:00 | 0.50 | 7,487 | DRIL | ROTATE F/7,445' T/ 7,448 GPM 800 SPP 3300 DIFF 800 WOB 40 RPM 50 TQ 24K | | | | | |
| 3:00 | 6:00 | 3.00 | 7,514 | DRIL | SLIDE F 7,447' T/ 7,514' GPM 800 SPP 2700 DIFF 200 WOB 40 TF 50L | | | | | |

| Casing/Tubular Information | | | | | | | | | | |
|----------------------------|------------|-------------|--------------|----------------|-----------------|--------------|----------------|-----------------|---------------|---------------|
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | |

| Cost/AFE Information | | | | | | | | | | |
|----------------------|---------------------------------|--------------|-----------|-----------|-------------|------------|---------|--|--|--|
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 1,798.46 | 40,474.42 | 85,869.42 | 817,258.27 | 9.53% | | | |
| Totals \$: | | 8,578,755.00 | 1,798.00 | 40,474.00 | 85,869.00 | 817,258.00 | 9.53% | | | |

| Mud Information | | | | | | | | | | | | | | | | | | | | |
|--|-------|------|------|-------|------|-------|--------|-----|-------|------|-----|-------|----|------|-----|-----|------|----|-------|------|
| % | | | | | | | | | | | | | | Gels | | | Temp | | Mud | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | 10m | 30m | In | Out | Loss |
| 10-Aug-23 09:00 at Depth 7,025 ft Mud Pits, Type: Saturated Salt Mud | | | | | | | | | | | | | | | | | | | | |
| 9.20 | 34.00 | 5.00 | 7.00 | | | 10 | 6.2 | | 93.7 | | | 3000 | | 1600 | 8 | 9 | 11 | | 24.00 | |
| 10-Aug-23 20:00 at Depth 7,250 ft Mud Pits, Type: Saturated Salt Mud | | | | | | | | | | | | | | | | | | | | |
| 9.20 | 34.00 | 5.00 | 2.00 | | | 10.5 | 6.2 | | 94.6 | | | 56000 | | 1820 | 10 | 11 | 13 | | 27.00 | |

| Mud Consumables | | | | | | | | | | |
|-------------------------------|--|------|--------|--------------------------|--|------|--------|--|--|--|
| Item Description | | Qty. | Cost | Item Description | | Qty. | Cost | | | |
| AES BENTONITE EXTENDER - GALS | | 2 | 140.00 | CAUSIC SODA (50) - 50#SK | | 3 | 141.42 | | | |
| DEFOAMER - GALS | | 6 | 458.04 | ENGINEERING - EA | | 1 | 950.00 | | | |
| ENGINEERING (DIEM) - EA | | 1 | 50.00 | SODA ASH - 50#SK | | 4 | 59.00 | | | |

| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|------|----------------|-------|-------|----------|------|--------|-------|-------|-----|---------|----|------|-------|--------|--------|-----|-----|--|--|
| | | | | Depth | This Run | | R.O.P. | | | | | | Mud | | Pump | | | | | |
| No Run | Make | Model | Diam | In | Dist | Hrs | Avg | Max | WOB | RPM | Torque | Wt | Flow | Press | J. Vel | P. Drp | HHP | JIF | | |
| 1 | 1 | ULTERRA WAV616 | 12.25 | 956 | 6558 | 83.5 | 78.5 | 350.0 | 40.00 | 50 | 1000.00 | 9 | 800 | 3300 | 115 | 108 | 51 | 437 | | |

Jets: 18 18 18 18 18 18 18 18 18 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:

Comments: 12.25 VERTICAL BIT

BHA - No. 1 - BIT, MMTR, UBHO, 2 NMDC, XO, 18 DC, 12 HWDP = 996.64


| Drilling Parameters | | | | | | | | | | | | | |
|---------------------|-------|-------------|------|-----------|-------|-----|-----|-----------------|---------|-----------------|--------|----------------|-----|
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max |
| 6,970 | 8,000 | 78.5 | 78.5 | 40.00 | 40.00 | 50 | 50 | 21,000. | 21,000. | 800.00 | 800.00 | 3,300.00 | |

Annular Velocity: Drill Collars: 194.0 Drill Pipe: 156.8

Printed: 06:28 11-Aug-23

RIMBase 7.5.948.0

Page: 1 of 3

| | | | | | | | | |
|--|---|---|-----------|----------------------|------------------------|--|--------|-------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | |
| | Report No: 9 | | | | | Report For 06:00 AM 11-Aug-23 | | |
| | Miscellaneous Drilling Parameters | | | | | | | |
| Hook Loads (lbs): | | Off Bottom Rotate: 250, 000.00 | | Pick Up: 300, 000.00 | Slack Off: 200, 000.00 | Drag Avg/Max: 50000 / 55000 | | |
| Slow Circulation Data: | | | | | | | | |
| Pump 1: | 30 spm | 240 psi | 40 spm | 280 psi | 50 spm | 325 psi | | |
| Pump 2: | 30 spm | 245 psi | 40 spm | 290 psi | 50 spm | 325 psi | | |
| Pump 3: | 30 spm | 250 psi | 40 spm | 290 psi | 50 spm | 330 psi | | |
| Hours on Casing/Liner: | | Rotating: / | | Tripping: / | | <input checked="" type="checkbox"/> Wear Bushing Installed | | |
| Rig Information | | | | | | | | |
| Equipment Problems: | | | | | | | | |
| Location Condition: | | | | | | | | |
| Transport: | | | | | | | | |
| Bulk Inventory | | | | | | | | |
| Item Type | | Units | Beginning | Used | Received | On Hand | Net | |
| Fuel | | | 5,782 | 3,207 | 7,200 | 9,775 | 3,993 | |
| Mud | | | 4,657 | | | 4,657 | | |
| Drill Pipe Inventory | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | |
| Safety Information | | | | | | | | |
| Meetings/Drills | Time | Description | | | | | | |
| Safety | 30 | HAND AND BODY PLACEMENT | | | | | | |
| First Aid Treatments: | | Medical Treatments: | | Lost Time Incidents: | | Days Since LTI: 439 | | |
| <input type="checkbox"/> BOP Test | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | |
| Rental Tools Information | | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End | |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 242.00 | 05-Aug-23 | | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | | |
| Notes: EDR \$700 A DAY | | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX


Report No: 9


Report For 06:00 AM 11-Aug-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|-------------------|------------|----------|-----------|-----------------|-----------|-----|
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 350.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |

Total Daily Rental Cost \$: 18,519.00

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--|---------------------------|--|---------------------|-----------------------|------------------------|----------------------|----------------------|------------|-----------|-----------|-------------|------------|------------|------------|----------------|-----------------|-----------------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | | | | | | |
| | Report No: 10 | | Report For 06:00 AM 12-Aug-23 | | | | | | | | | | | | | | | | | |
| | Operator: SEM Measured Depth (ft): 8284 Vertical Depth (ft): 8149 Proposed TD (ft): 19904 Hole Made (ft) / Hrs: 770 / 10.0 Average ROP (ft/hr): 77.0 Days (actual / plan): Drilling 4.77 / 0, Flat 0 / 0, Complete 0 / 0, Total 4.77 / 0 Pers/Hrs: Operator: 2 / 24 Contractor: 11 / 144 Service: 7 / 96 Other: 0 / 0 Total: 20 / 264 | Rig: ICD 307 Last Casing: 13.38 at 958 Next Casing: 9.63 at 8,225 Last BOP Test: 07-Aug-23 Next BOP Test: 27-Aug-23 Wellbore: Original Wellbore RKB Elevation (ft): 2662 Job Reference RKB (ft): Working Interest: 100% Daily Cost / Mud (\$): AFE No. B24004 AFE (\$) Actual (\$) Totals: Well Cost (\$): | DOL: 9 | | | | | | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 440 days since LTI. Conducted Crown Check, Safety Meeting. Current Operations: RUNNING 9 5/8" CASING Planned Operations: RUN CASING / CEMENT Toolpusher: JOHN OSBORN Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL Tel No.: 432-217-9511 Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | Non-Prod | | | | | | | | | | | | | | |
| 6:00 | 9:00 | 3.00 | 7,546 | DRIL | SLIDE F 7,514' T/ 7,546' GPM 800 SPP 2700 DIFF 250 WOB 40 TF 50L | | | | | | | | | | | | | | | |
| 9:00 | 16:00 | 7.00 | 8,284 | DRIL | ROTATE F/7,546' T/ 8,284 GPM 800 SPP 3300 DIFF 800 WOB 40 RPM 50 TQ 24K | | | | | | | | | | | | | | | |
| 16:00 | 17:30 | 1.50 | 8,284 | CIRC | CIR. SWEEPS AROUND TO CLEAN HOLE | | | | | | | | | | | | | | | |
| 17:30 | 18:00 | 0.50 | 8,284 | TRPO | PULL 10 STANDS FILLING BACK SIDE | | | | | | | | | | | | | | | |
| 18:00 | 20:30 | 2.50 | 8,284 | TRPO | FLOW CHECK PUMP SLUG AND TRIP OUT TO 2700' | | | | | | | | | | | | | | | |
| 20:30 | 21:00 | 0.50 | 8,284 | INSTAL | PULL ROTATING HEAD AND INSTALL TRIP NIPPLE | | | | | | | | | | | | | | | |
| 21:00 | 22:00 | 1.00 | 8,284 | TRPO | TRIP OUT T/ 996' FILLING BACK SIDE | | | | | | | | | | | | | | | |
| 22:00 | 23:00 | 1.00 | 8,284 | BHAOP | PULL HWDP AND DRILL COLLARS | | | | | | | | | | | | | | | |
| 23:00 | 0:00 | 1.00 | 8,284 | BHAOP | LAY DOWN NMDC DRAIN MOTOR BREAK BIT REMOVE MWD TOOL LAY DOWN MOTOR AND PICK UP NEW MOTOR STAND DIRECTIONAL ASSEMBLY IN DERRICK | | | | | | | | | | | | | | | |
| 0:00 | 1:00 | 1.00 | 8,284 | WEAR | PULL WEAR BUSHING / CLEAN RIG FLOOR | | | | | | | | | | | | | | | |
| 1:00 | 3:00 | 2.00 | 8,284 | RUC | RIG UP CASING EQUIPMENT SAFETY MEETING / TROUBLE SHOOT TORQUE TURN EQUIPMENT REPLACE CABLES LOAD CELL AND TQ BOX | | | | | | | | | | | | | | | |
| 3:00 | 4:00 | 1.00 | 8,284 | MUST | MAKE UP SHOE TRACK AND TEST | | | | | | | | | | | | | | | |
| 4:00 | 6:00 | 2.00 | 8,284 | CASE | RUN 9 5/8" CASING FILLING ON FLY | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 9,453.91 | 49,928.33 | 73,789.03 | 891,047.30 | 10.39% | | | | | | | | | | | | | |
| Totals \$: | | 8,578,755.00 | 9,454.00 | 49,928.00 | 73,789.00 | 891,047.00 | 10.39% | | | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | CI | Ca | CaCl | 10s | 10m | 30m | Temp In | Temp Out | Mud Loss |
| 11-Aug-23 19:00 at Depth 8,284 ft Mud Pits, Type: Saturated Salt Mud | | | | | | | | | | | | | | | | | | | | |
| 9.70 | 36.00 | 5.00 | 2.00 | | | | 5.7 | | 90.9 | | | 68000 | | 1800 | 10 | 11 | 12 | | 26.00 | |
| Mud Consumables | | | | | | | | | | | | | | | | | | | | |
| Item Description | | Qty. | Cost | Item Description | | Qty. | Cost | | | | | | | | | | | | | |
| AES BENTONITE EXTENDER - GALS | | 2 | 140.00 | BARIT SAC (BULK) - 100#SK | | 40 | 625.60 | | | | | | | | | | | | | |
| CAUSIC SODA (50) - 50#SK | | 4 | 188.56 | DEFOAMER - GALS | | 1 | 76.34 | | | | | | | | | | | | | |
| ENERPLUS (PAIL) - 5GAL | | 1 | 74.71 | ENGINEERING - EA | | 1 | 950.00 | | | | | | | | | | | | | |
| ENGINEERING (DIEM) - EA | | 1 | 50.00 | PAC LV (50) - 50#SK | | 40 | 4,615.20 | | | | | | | | | | | | | |
| SODA ASH - 50#SK | | 4 | 59.00 | WHITE STARCH (50) - 50#SK | | 75 | 2,674.50 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|---|--------|--|-----------|-------------------|--------------------|----------------------|-------------|-----------------|---------|-------------------------------|--------|-----------------------------|------------|--------|--|-----|-----|--|--|
|  | | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | |
| | | Report No: 10 | | | | | | | | | | Report For 06:00 AM 12-Aug-23 | | | | | | | | | |
| | | Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | |
| No Run | | Make | Model | Diam | Depth In | This Run Dist Hrs | | R.O.P. Avg Max | | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | |
| 1 | 1 | ULTERRA | WAV616 | 12.25 | 956 | 7328 | 93.5 | 78.4 | 350.0 | 40.00 | 50 | 1000.00 | 9 | 800 | 3500 | 115 | 108 | 51 | 437 | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | | Out: 8284 | | Grade: Cutter: 1/2 | | Dull: CT/CT | | Wear: G | | Brigs: | | Gge: | | Pull: TD | | | | |
| Comments: 12.25 VERTICAL BIT | | | | | | | | | | | | | | | | | | | | | |
| BHA - No. 1 - BIT, MMTR, UBHO, 2 NMDC, XO, 18 DC, 12 HWDP = 996.64 | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | | | | | | | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | | | | | | | |
| 7,514 | 8,284 | 78.0 | 350.0 | 40.00 | 40.00 | 50 | 50 | 24,000. | 24,000. | 800.00 | 800.00 | 3,500.00 | | | | | | | | | |
| Annular Velocity: Drill Collars: | | | | 194.0 | | Drill Pipe: | | | | 156.8 | | | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | Off Bottom Rotate: | | 200,000.00 | | Pick Up: | | 325,000.00 | | Slack Off: | | 200,000.00 | | Drag Avg/Max: 65000 / 70000 | | | | | | | |
| Slow Circulation Data: | | | | | | | | | | | | | | | | | | | | | |
| Pump 1: | | 30 spm | | 240 psi | | 40 spm | | 280 psi | | 50 spm | | 325 psi | | | | | | | | | |
| Pump 2: | | 30 spm | | 245 psi | | 40 spm | | 290 psi | | 50 spm | | 325 psi | | | | | | | | | |
| Pump 3: | | 30 spm | | 250 psi | | 40 spm | | 290 psi | | 50 spm | | 330 psi | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | | |
| Item Type | | Units | | Beginning | | Used | | Received | | On Hand | | Net | | | | | | | | | |
| Fuel | | | | 9,775 | | 2,815 | | 3,589 | | 10,549 | | 774 | | | | | | | | | |
| Mud | | | | 4,657 | | | | | | 4,657 | | | | | | | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | | | | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | Time | | Description | | | | | | | | | | | | | | | | | |
| Safety | | 30 | | BODY PLACEMENT / RIG UP RUNNING CASING | | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | | Medical Treatments: | | | | Lost Time Incidents: | | | | Days Since LTI: 440 | | | | | | | | | |
| <input type="checkbox"/> BOP Test | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | | | | | | | | | |
| Type | Description | Serial No. | | Vendor | | Acct Code | | Today's Cost \$ | | Start | | End | | | | | | | | | |
| Port-a-let | PORT O JOHNS | | | H&S | | DRL-240 | | 20.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Dumpster | TRASH TRAILER | | | H&S | | DRL-240 | | 25.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | | | | | | | | | |
| H2S | H2S SAFETY | | | AMPRO | | DRL-240 | | 250.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Choke | CHOKE AND FLARE | | | PAYZONE | | DRL-240 | | 300.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | | CUTTER | | DRL-240 | | 200.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Trailer | OFFICE AND COMMS | | | TREND | | DRL-240 | | 1,880.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Frac Tanks | FRAC TANKS | | | THORPE | | DRL-245 | | 242.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | | | | | | | | | | | | | | | |
| EDM | EDR | | | NOV | | DRL-240 | | 700.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: EDR \$700 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Mud Bucket | MUD BUCKET | | | RENTAL E | | DRL-240 | | 85.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | | RENTAL E | | DRL-240 | | 80.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | | | | | | | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC


Sect: 12 County: Reagan State: TX


Report No: 10

Report For 06:00 AM 12-Aug-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|-------------------|------------|----------|-----------|-----------------|-----------|-----|
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 350.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 18,519.00 | | |

| | | | | | | | | | | |
|--|---|---|---|---|---|---------------------|-----------------------|------------------------|----------------------|----------------------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | |
| | Report No: 11 | | | | Report For 06:00 AM 13-Aug-23 | | | | | |
| | Operator: SEM Measured Depth (ft): 8284 Vertical Depth (ft): 8149 Proposed TD (ft): 19904 Hole Made (ft) / Hrs: 0 / 0.0 Average ROP (ft/hr): Days (actual / plan): Drilling 4.77 / 0, Flat 0 / 0, Complete 0 / 0, Total 4.77 / 0 Pers/Hrs: Operator: 2 / 24 Contractor: 11 / 144 Service: 7 / 96 Other: 0 / 0 Total: 20 / 264 | Rig: ICD 307 Last Casing: 9.63 at 8,269 Next Casing: 9.63 at 8,225 Last BOP Test: 07-Aug-23 Next BOP Test: 27-Aug-23 | Spud Date: Wellbore: Original Wellbore RKB Elevation (ft): 2662 Job Reference RKB (ft): Working Interest: 100% | Daily Cost / Mud (\$): AFE No. B24004 AFE (\$) Actual (\$) Totals: Well Cost (\$): | | | | | | |
| Safety Summary: No incidents or events reported. 441 days since LTI. Conducted Safety Meeting. Current Operations: NIPPLE DOWN BOPE Planned Operations: SKID RIG NIPPLE UP DRILL 12 1/4" Toolpusher: JOHN OSBORN Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL Tel No.: 432-217-9511 Engineer(s): Larry Gillette | | | | | | | | | | |
| Operations Summary | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | Non-Prod | | |
| 6:00 | 9:30 | 3.50 | 8,284 | CASE | RUN CASING F/ 1400' TO 4200' WITH GOOD RETURNS | | | | | |
| 9:30 | 10:30 | 1.00 | 8,284 | CIRC | FILL PIPE AND CIR. A BOTTOMS UP | | | | | |
| 10:30 | 14:30 | 4.00 | 8,284 | CASE | RUN CASING F/ 4200' TO 8269' WITH GOOD RETURNS, LANDED HANGER IN WELL HEAD | | | | | |
| 14:30 | 15:00 | 0.50 | 8,284 | CASE | R/ DOWN CASING CREW | | | | | |
| 15:00 | 17:30 | 2.50 | 8,284 | CIRC | CIR. 1.5 CASING CAPACITY WITH FULL RETURNS | | | | | |
| 17:30 | 18:00 | 0.50 | 8,284 | SAFETY | SAFETY MEETING WITH ALL PERSONNEL | | | | | |
| 18:00 | 22:00 | 4.00 | 8,284 | CMTTP | TEST LINE TO 5K PUMP 50 BBL SPACER FOLLOWED BY 241 BBLS 550 SX CLASS C 50/50 + 10% E-320 + .55% E-130 + .25% 3-800 + .05% E-1130 + 5% E-505 (BWOW) LEAD CEMENT FOLLOWED BY 84 BBLS 380 SX CLASS H 50/50 + 2% E-320 + .2% E-250 + .25% E-130 + .25% E-800 + .05% E-1130 + 3% E-505 (BWOW) WASH UP DISPLACING DROP FIRST STAGE PLUG BUMP @ 1700 PSI LIFT TO 1900 PUMP .5 BBL TO 2200 PSI PUMP .5 BBL TO 2700 PSI 2480-2380 FIRST INDICATOR PACKER SET | | | | | |
| 22:00 | 23:30 | 1.50 | 8,284 | CIRC | DROP OPENING CONE, OPEN TOOL @ 680 PSI PUMP TWENTY BBLS WITH PUMP TRUCK SWITCH TO RIG PUMP AND CONTINUE CIRCULATE CASING BACK SIDE 105 BBLS CEMENT TO SURFACE | | | | | |
| 23:30 | 3:30 | 4.00 | 8,284 | CMTTP | STAGE 2 PUMP 50 BBL SPACER FOLLOWED BY 415 BBL 950 SX CLASS C 50/50 + 10% E-320 + .1% E-130 + .25% E-800 + .05% E-1130 + 5% E-505 (BWOW) LEAD CEMENT FOLLOWED BY 414.87 BBLS 350 SX CLASS C + .2% E-130 + .25% E-800 + .05% E-1130 DROP PLUG AND DISPLACE WITH 371 BBLS F/W BUMP PLUG @ 1180 LIFT TO 2690 HOLD PRESSURE 5 MINUTES RELEASE PRESSURE 4 BBLS BACK. NO CEMENT TO SURFACE RIG DOWN CEMENTERS WASH OUT STACK | | | | | |
| 3:30 | 4:00 | 0.50 | 8,284 | WELLH | BACK OUT LANDING JOINT AND LAY OUT, INSTALL AND TEST PACK OFF | | | | | |
| 4:00 | 6:00 | 2.00 | 8,284 | NDSTAC | NIPPLE DOWN, TURN ROTATING HEAD FILL LINE, FLOWLINE, MUD LINES | | | | | |
| Casing/Tubular Information | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | |
| Cost/AFE Information | | | | | | | | | | |
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 0.00 | 49,928.33 | 147,649.18 | 1,038,696.48 | 12.11% | | | |
| Totals \$: | | 8,578,755.00 | 0.00 | 49,928.00 | 147,649.00 | 1,038,696.00 | 12.11% | | | |
| Rig Information | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | |
| Location Condition: | | | | | | | | | | |
| Transport: | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | |

| | | | | | | | | | |
|--|---|--|-----------|----------------------|-----------------|--|--------|-------|--------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | |
| | Report No: 11 | | | | | Report For 06:00 AM 13-Aug-23 | | | |
| | Bulk Inventory | | | | | | | | |
| Item Type | | Units | Beginning | Used | Received | On Hand | Net | | |
| Fuel | | | 10,549 | 971 | | 9,578 | | | |
| Mud | | | 4,657 | | | 4,657 | | | |
| Drill Pipe Inventory | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | |
| Safety Information | | | | | | | | | |
| Meetings/Drills | Time | Description | | | | | | | |
| Safety | 30 | CEMENTING/NIPPLE DOWN | | | | | | | |
| First Aid Treatments: | | Medical Treatments: | | Lost Time Incidents: | | Days Since LTI: | 441 | | |
| <input type="checkbox"/> BOP Test | | <input type="checkbox"/> Crownamatic Check | | | | | | | |
| Rental Tools Information | | | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End | | |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 242.00 | 05-Aug-23 | | | |
| Notes: FRAC TANKS X 11 X \$22 ADAY | | | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | | | |
| Notes: EDR \$700 A DAY | | | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | | | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | | | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | | | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | | | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 1,500.00 | 05-Aug-23 | | | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | | | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | | | |
| Notes: MUD VAC \$90 A DAY | | | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | | | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | | | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | | | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | | | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC


Sect: 12 County: Reagan State: TX

Report No: 11

Report For 06:00 AM 13-Aug-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|----------------|------------|----------|-----------|-----------------|-----------|-----|
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 350.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 18,519.00 | | |

| | | | | | | | | | | | | |
|---|---|--|--------------|-----------------------------|--|-----------------|--|-----------------------|---------------|---------------|----------|--|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | |
| | Report No: 12 | | | | | | Report For 06:00 AM 05-Sep-23 | | | | | |
| | Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | | | | | |
| Measured Depth (ft): 8284 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | |
| Vertical Depth (ft): 8149 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | | | | | | | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | |
| Hole Made (ft) / Hrs: 0 / 0.0 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | | | | | | |
| Average ROP (ft/hr): | | | | | | Well Cost (\$): | | | | | | |
| Days (actual / plan): Drilling 4.77 / 0, Flat 0 / 0, Complete 0 / 0, Total 4.77 / 0 DOL: 10 | | | | | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 0 / 0 | | Total: 20 / 264 | | | | |
| Safety Summary: No incidents or events reported. 442 days since LTI. Conducted Safety Meeting. | | | | | | | | | | | | |
| Current Operations: WALKING RIG | | | | | | | | | | | | |
| Planned Operations: FINISH WALKING, NIPPLE & TEST BOP, PICK UP CURVE/LATERAL BHA, TIH DRILL OUT DV TOOL, FINISH TIH TEST CASING, CUT DRILL LINE, DRILL OUT FLOAT EQUIPMENT DISPLACE WITH OBM AND DRILL CURVE SECTION FOLLOWING DIRECTIONAL PLAN #1. | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORN | | | | | | | | | | | | |
| Wellsite Supervisors: JT ARNEY, BERT DIAZ | | | | | | | | Tel No.: 432-217-9511 | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | |
| 3:00 | 6:00 | 3.00 | 8,284 | SKID | WALKED RIG 120' FROM UNIVERSITY 9C 1211 WD TO UNIVERSITY 9C 1209 WC. | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | | | |
| Cost/AFE Information | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 0.00 | 53,433.28 | 53,185.00 | 1,603,508.79 | 18.69% | | | |
| Totals \$: | | | | 8,578,755.00 | 0.00 | 53,433.00 | 53,185.00 | 1,603,509.00 | 18.69% | | | |
| Rig Information | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | |
| Screen Sizes: | Top | Middle 1 | Middle 2 | Bottom | | | | | | | | |
| Shaker No 1: | 200 | 200 | 200 | 200 | | | | | | | | |
| Shaker No 2: | 200 | 200 | 200 | 200 | | | | | | | | |
| Shaker No 3: | 200 | 200 | 200 | 200 | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | |
| Item Type | | | | Units | Beginning | Used | Received | On Hand | Net | | | |
| Fuel | | | | | 9,578 | | | 9,578 | | | | |
| Mud | | | | | 4,657 | | | 4,657 | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | |
| Safety Information | | | | | | | | | | | | |
| Meetings/Drills | Time | Description | | | | | | | | | | |
| Safety | 30 | SKIDDING RIG | | | | | | | | | | |
| First Aid Treatments: | | Medical Treatments: | | Lost Time Incidents: | | Days Since LTI: | | 442 | | | | |
| <input type="checkbox"/> BOP Test | | <input type="checkbox"/> Crownamatic Check | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End | | | | | |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | | | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC


Sect: 12 County: Reagan State: TX

Report No: 12

Report For 06:00 AM 05-Sep-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|------------------------------------|--|------------|----------|-----------|-----------------|-----------|-----|
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | |
| | Notes: H2S SAFETY \$250 A DAY | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | |
| | Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| | Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| | Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | |
| | Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| | Notes: EDR \$700 A DAY | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| | Notes: MUD BUCKET \$85 A DAY | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| | Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| | Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| | Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| | Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| | Notes: CAMP FUEL TANK \$50 A DAY | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| | Notes: ROCKET SYSTEM \$500 A DAY | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| | Notes: MUD VAC \$90 A DAY | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| | Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1.00 | 05-Aug-23 | |
| | Notes: MUD LOGGER \$1200 A DAY | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1.00 | 05-Aug-23 | |
| | Notes: GEO STEERING \$1000 A DAY | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| | Notes: CROWN LIGHTS \$350 A DAY | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| | Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| | Notes: LIGHT PLANT \$20 A DAY | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| | Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| | Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| | Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| | Notes: PRE MIX \$350 A DAY | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| | Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| | Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | |
| Total Daily Rental Cost \$: | | | | | 19,525.00 | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------------|--------------|-----------------------------|---|-------------------------|--|-----------------|---------------|------------------------------|----------|-------|----|--------|-----|----------|-----|---------|-----|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | | |
| | Report No: 13 | | | | | | Report For 06:00 AM 06-Sep-23 | | | | | | | | | | | | | |
| | Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | | | | | | | | | | | | | |
| Measured Depth (ft): 8284 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): 8149 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 0 / 0.0 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 4.77 / 0, Flat 0 / 0, Complete 0 / 0, Total 4.77 / 0 | | | | | | | | | | | | | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 0 / 0 | | Total: 20 / 264 | | DOL: 11 | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 465 days since LTI. Conducted Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: TEST CASING | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: DRILL SHOE TRACK & DRILL CURVE | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORNE | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JT ARNEY, BERT DIAZ | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | | | | | | | | | |
| 6:00 | 9:00 | 3.00 | 8,284 | SKID | FINISHED WALKING RIG 120' FROM UNIVERSITY 9C 1211 WD TO UNIVERSITY 9C 1209 WC. | | | | | | | | | | | | | | | |
| 9:00 | 11:30 | 2.50 | 8,284 | BOPNU | SET BOPS AND TORQUE UP BOLTS, REMOVED WINCHES, HOOK UP TURN BUCKLES, TURNED ROTATING HEAD AND TORQUE SAME, CENTER BOPS, SET CATWALK. | | | | | | | | | | | | | | | |
| 12:00 | 13:00 | 1.00 | 8,284 | BOPT | PJSM, PICK UP TEST TOOLS, SHELL TEST, 250 LOW 5000 HIGH | | | | | | | | | | | | | | | |
| 13:00 | 13:30 | 0.50 | 8,284 | TESTCA | TEST CASING 1000 PSI..GOOD TEST. | | | | | | | | | | | | | | | |
| 13:30 | 14:00 | 0.50 | 8,284 | SERV | RIG SERVICE, CHANGE OUT INNER TUBES IN TELESCOPING ASS. | | | | | | | | | | | | | | | |
| 14:00 | 17:30 | 3.50 | 8,284 | BOPT | TEST MUD LINES 250 LOW 6000 HIGH, NO TEST, CHANGE OUT 2" MANUAL ON STAND PIPE, CHANGE OUT IBOP ON TOP DRIVE AND RETEST. 250 LOW 6000 HIGH.. GOOD TEST | | | | | | | | | | | | | | | |
| 17:30 | 20:00 | 2.50 | 8,284 | OTHER | INSTALL FLOW LINE ON MANIFOLD, ADJUST TURNBUCKLES, FINISH INSTALLING COMPRESSION CLAMP ON IBOP. LINE UP VALVES ON BOP AND CHOKE MANIFOLD | | | | | | | | | | | | | | | |
| 20:00 | 20:30 | 0.50 | 8,284 | OTHER | DRAW DOWN TEST ON ACCUMULATOR. | | | | | | | | | | | | | | | |
| 20:30 | 21:00 | 0.50 | 8,284 | WEAR | INSTALL WEAR BUSHING. | | | | | | | | | | | | | | | |
| 21:00 | 22:00 | 1.00 | 8,284 | DIR | PICKED UP BHA #2 AS FOLLOWS, 7" 2.12° FBH, 7/8 6.1, 0.25 RPG MOTOR, MU 8.75" ULTERRA SPL613 WITH 9x18S, JETS, RIH WITH NMDC INSTALLED MWD, SCRIBE MOTOR, TESTED MWD | | | | | | | | | | | | | | | |
| 22:00 | 0:00 | 2.00 | 8,284 | TRPI | TIH F/92' TO 3476' TAKING RETURNS TO OUTSIDE RESERVE. | | | | | | | | | | | | | | | |
| 0:00 | 0:30 | 0.50 | 8,284 | TRPI | P/U AGITATOR, TRIP IN HOLE F/ 3476' TO 4886' | | | | | | | | | | | | | | | |
| 0:30 | 1:00 | 0.50 | 8,284 | INSTAL | INSTALL ROTATING HEAD | | | | | | | | | | | | | | | |
| 1:00 | 2:30 | 1.50 | 8,284 | DCS | DRILL OUT DV TOOL & BAFFLE | | | | | | | | | | | | | | | |
| 2:30 | 4:00 | 1.50 | 8,284 | TRPI | TRIP IN HOLE F/ 4886' TO 8195' | | | | | | | | | | | | | | | |
| 4:00 | 5:30 | 1.50 | 8,284 | CUTDL | SLIP & CUT 6 WRAPS OF DRILL LINE | | | | | | | | | | | | | | | |
| 5:30 | 6:00 | 0.50 | 8,284 | TEST | TEST CASING TO 1500 PSI | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 26,199.39 | 79,632.67 | 87,992.39 | 1,691,501.18 | 19.72% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 26,199.00 | 79,633.00 | 87,992.00 | 1,691,501.00 | 19.72% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | CI | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 05-Sep-23 18:30 at Depth 8,284 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 10.50 | 53.00 | | 1.00 | 12 | 2 | | 18 | 61 | 21 | | 10.6 | 40000 | | 229989 | 6 | 8 | 10 | | | |
| Mud Consumables | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | | Qty. | Cost | Item Description | | | | Qty. | Cost | | | | | | | | | |
| ENGINEERING - EA | | | | 2 | 1,900.00 | ENGINEERING (DIEM) - EA | | | | 2 | 100.00 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------|--|---|-----------|--------------------|----------------------|------------|-----------|-----------------|-------------|--------|-------|----------|------------|--|--------|-----------------------------------|-------|--|-----------------|--|--|--|--|--|
| | | Daily Drilling Report | | | | | | | | | | | | | | | SEM | | | | | | | | |
| | | Well ID: 42-383-41395 | | | | | | | | | | | | | | | Well Name: University 9C 1209WC | | | | | | | | |
| | | Field: TEXON | | | | | | | | | | | | | | | Sect: 12 County: Reagan State: TX | | | | | | | | |
| Report No: 13 | | Report For 06:00 AM 06-Sep-23 | | | | | | | | | | | | | | | | | | | | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Run | Make | Model | Diam | Depth In | This Run Dist | Hrs | R.O.P. Avg | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | | | | | | |
| 2 | 1 | ULTERRA SPL613 | 8.75 | 8284 | | | | | | | | | | | | | | | | | | | | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | Out: | | Grade: | | Cutter: / | | Dull: / | | Wear: | | Brigs: | | Gge: | | Pull: | | | | | | | |
| Comments: 8.75 CURVE/LATERAL BIT | | | | | | | | | | | | | | | | | | | | | | | | | |
| BHA - No. 2 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3497.18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | | | | Off Bottom Rotate: | | | | | Pick Up: | | | | | Slack Off: | | | | | Drag Avg/Max: / | | | | | |
| Hours on Casing/Liner: | | | | | Rotating: / | | | | | Tripping: / | | | | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | | Top | Middle 1 | Middle 2 | Bottom | | | | | | | | | | | | | | | | | | | | |
| Shaker No 1: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | |
| Shaker No 2: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | |
| Shaker No 3: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Type | | Units | Beginning | Used | Received | On Hand | Net | | | | | | | | | | | | | | | | | | |
| Fuel | | | 9,872 | 689 | | 9,183 | | | | | | | | | | | | | | | | | | | |
| Mud | | | 12,203 | 2,205 | | 9,998 | | | | | | | | | | | | | | | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | | | | | | | | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | Time | Description | | | | | | | | | | | | | | | | | | | | | | |
| Safety | | 30 | NIPPLE UP, WORKING DIR TOOLS, WORKING AT HEIGHTS, FIRST DAY BACK. | | | | | | | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | Medical Treatments: | | | Lost Time Incidents: | | | Days Since LTI: | | | 465 | | | | | | | | | | | | | |
| <input type="checkbox"/> BOP Test | | <input type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End | | | | | | | | | | | | | | | | | | |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | H2S SAFETY \$250 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | FRAC TANKS X 9 X \$22 ADAY | | | | | | | | | | | | | | | | | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | EDR \$700 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | MUD BUCKET \$85 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | SHAKER WASHERS X 2 \$40 A DAY | | | | | | | | | | | | | | | | | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | | | | | | | | | | | | | | | | | | | |
| Notes: | | SPOOLS AND VBRS \$350 A DAY | | | | | | | | | | | | | | | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC


Sect: 12 County: Reagan State: TX


Report No: 13

Report For 06:00 AM 06-Sep-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|-------------------|------------|----------|-----------|-----------------|-----------|-----|
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 21,723.00 | | |

| | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------------------------|--|-------------------------------|--|----------------------|---------------|------------|--------------|-------------|------------|-----------|-----------|-------------|------------|-----------------|------------|----------------|------------|-----------------|--|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | | | | | | | |
| | Report No: 14 | | Report For 06:00 AM 07-Sep-23 | | | | | | | | | | | | | | | | | | |
| | Operator: SEM OPERATING | Rig: ICD 307 | Spud Date: | Daily Cost / Mud (\$): | | | | | | | | | | | | | | | | | |
| Measured Depth (ft): 9888 | Last Casing: 9.63 at 8,269 | Wellbore: Original Wellbore | AFE No. B24004 | AFE (\$) | Actual (\$) | | | | | | | | | | | | | | | | |
| Vertical Depth (ft): 8149 | Next Casing: 5.50 at 19,940 | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19940 | Last BOP Test: 07-Aug-23 | Job Reference RKB (ft): | | | | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 1,604 / 23.0 | Next BOP Test: 18-Sep-23 | Working Interest: 100% | Totals: | | | | | | | | | | | | | | | | | | |
| Average ROP (ft/hr): 69.74 | | | Well Cost (\$): | | | | | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 5.73 / 0, Flat 0 / 0, Complete 0 / 0, Total 5.73 / 0 | | | | | | | | | | | | | | | | | | | | | |
| DOL: 12 | | | | | | | | | | | | | | | | | | | | | |
| Pers/Hrs: | Operator: 2 / 24 | Contractor: 11 / 144 | Service: 7 / 96 | Other: 2 / 24 | Total: 22 / 288 | | | | | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 466 days since LTI. Conducted Crown Check, Safety Meeting. | | | | | | | | | | | | | | | | | | | | | |
| Current Operations: DRILLING 8.75" LATERAL AT 9,888' | | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: DRILL 8.75" LATERAL | | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORNE | | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL | | | | Tel No.: 432-217-9511 | | | | | | | | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | Non-Prod | | | | | | | | | | | | | | | |
| 6:00 | 7:00 | 1.00 | 8,284 | DCS | DRILL OUT SHOE TRACK, TAG @8212' | | | | | | | | | | | | | | | | |
| 7:00 | 9:00 | 2.00 | 8,384 | DRIL | ROTATE F/ 8,255' T/ 8,384 GPM 500 SPP 1700 DIFF 500 WOB 20 RPM 20 TQ 12K | | | | | | | | | | | | | | | | |
| 9:00 | 22:30 | 13.50 | 9,208 | DRIL | BUILDING CURVE SLIDE F/ 8,384' T/ 9,208' GPM 600 SPP 3300 DIFF 400 WOB 30 TF HS /60L LAND CURVE @ 9,208' | | | | | | | | | | | | | | | | |
| 22:30 | 23:00 | 0.50 | 9,256 | DRIL | ROTATE F/ 9,208' T/ 9,256' GPM 600 SPP 3500 DIFF 700 WOB 35 RPM 45 TQ 13K | | | | | | | | | | | | | | | | |
| 23:00 | 23:30 | 0.50 | 9,274 | DRIL | SLIDE F/ 9,256' T/ 9,274' GPM 600 SPP 3300 DIFF 400 WOB 30 TF 135R | | | | | | | | | | | | | | | | |
| 23:30 | 0:00 | 0.50 | 9,333 | DRIL | ROTATE F/ 9,274' T/ 9,333' GPM 600 SPP 3500 DIFF 700 WOB 35 RPM 45 TQ 13K | | | | | | | | | | | | | | | | |
| 0:00 | 0:30 | 0.50 | 9,354 | DRIL | SLIDE F/ 9,333' T/ 9,354' GPM 600 SPP 3300 DIFF 400 WOB 30 TF 160R | | | | | | | | | | | | | | | | |
| 0:30 | 1:00 | 0.50 | 9,432 | DRIL | ROTATE F/ 9,354' T/ 9,432' GPM 600 SPP 3500 DIFF 700 WOB 35 RPM 45 TQ 13K | | | | | | | | | | | | | | | | |
| 1:00 | 1:30 | 0.50 | 9,450 | DRIL | SLIDE F/ 9,432' T/ 9,450' GPM 600 SPP 3300 DIFF 400 WOB 30 TF 120R | | | | | | | | | | | | | | | | |
| 1:30 | 3:00 | 1.50 | 9,640 | DRIL | ROTATE / 9,450' T/ 9,640' GPM 600 SPP 3500 DIFF 700 WOB 35 RPM 45 TQ 13K | | | | | | | | | | | | | | | | |
| 3:00 | 3:30 | 0.50 | 9,651 | DRIL | SLIDE / 9,640' T/ 9,651' GPM 600 SPP 3300 DIFF 400 WOB 30 TF 150R | | | | | | | | | | | | | | | | |
| 3:30 | 6:00 | 2.50 | 9,888 | DRIL | ROTATE F/ 9,651' T/ 9,888' GPM 600 SPP 3500 DIFF 700 WOB 35 RPM 45 TQ 13K | | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | LOT (lbs/gal) | | | | | | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | | | | | | | | | | | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | | | | | | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | % Spent | | | | | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 37,240.50 | 116,873.17 | 97,723.50 | 20.86% | | | | | | | | | | | | | | | |
| Totals \$: | | 8,578,755.00 | 37,241.00 | 116,873.00 | 97,724.00 | 20.86% | | | | | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | CI | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss | |
| 06-Sep-23 10:00 at Depth 8,399 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | | |
| 10.40 | 58.00 | 3.00 | 7.00 | 12.4 | 2 | | 5.3 | 61.6 | 21 | | | 40000 | | 22989 | 7 | 9 | 11 | | 03.00 | | |
| 06-Sep-23 20:00 at Depth 9,029 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | | |
| 10.50 | 47.00 | 4.00 | 0.00 | 12 | 2 | | 5.5 | 62 | 20 | | | 43000 | | 252134 | 8 | 9 | 12 | | 23.00 | | |
| Mud Consumables | | | | | | | | | | | | | | | | | | | | | |
| Item Description | | Qty. | Cost | Item Description | | Qty. | Cost | | | | | | | | | | | | | | |
| AES MUL X (GAL) - GALS | | 95 | 1,410.75 | AES VIS LS (50) - 50#SK | | 3 | 344.52 | | | | | | | | | | | | | | |
| CALL 2 (50) - 50#SK | | 54 | 883.44 | CLAYTONE II (50) - SACK | | 9 | 1,033.29 | | | | | | | | | | | | | | |
| ENGINEERING - EA | | 1 | 950.00 | ENGINEERING (DIEM) - EA | | 1 | 50.00 | | | | | | | | | | | | | | |
| ENGINEERING TRAVEL - EA | | 1 | 950.00 | LIME (50) - 50#SK | | 45 | 449.55 | | | | | | | | | | | | | | |
| OIL SORB - 50#SK | | 22 | 172.04 | TRUCKING BULK (CWT) - EA | | 1617 | 6,063.75 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------|---|----------|---|---------------|-------------|------------|----------------------|---------|-----------------|---------|-----------------|-------|----------|------------|-----------------------------|--|-------|-----|--|--|--|--|--|--|--|
|  | | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | | Report No: 14 | | | | | | | | | | | | | | | Report For 06:00 AM 07-Sep-23 | | | | | | | | | |
| | | Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | | | | | |
| No Run | Make | Model | Diam | Depth In | This Run Dist | Hrs | R.O.P. Avg | | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | | | | | | |
| 2 | 1 | ULTERRA SPL613 | 8.75 | 8284 | 1604 | 23 | 69.7 | 69.7 | 35.00 | 45 | 3000.00 | 11 | 600 | 3500 | 86 | 70 | 24 | 281 | | | | | | | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | Out: | | Grade: | | Cutter: / | | Dull: / | | Wear: | | Brigs: | | Gge: | | Pull: | | | | | | | | |
| Comments: 8.75 CURVE/LATERAL BIT BHA - No. 2 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3497.18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | | | | | | | | | | | | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | | | | | | |
| 8,272 | 9,888 | 69.7 | 69.7 | 20.00 | 30.00 | 0 | 45 | 0.00 | 13,000. | 600.00 | 600.00 | 3,500.00 | | | | | | | | | | | | | | |
| Annular Velocity: Drill Collars: | | | | 192.1 | | Drill Pipe: | | | | 285.2 | | | | | | | | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | | | Off Bottom Rotate: | | | | Pick Up: | | | | Slack Off: | | | | Drag Avg/Max: 25000 / 25000 | | | | | | | | | | |
| Hours on Casing/Liner: | | | | Rotating: | | | | / | | | | Tripping: | | | | / | | | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | | |
| Mud Log Information | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | | Pore | | Mud | | Shale | | ROP | | | | | | | | | | |
| From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Dens. | Shale | Sand | | | | | | | | | | | | |
| 9,269 | 10,000 | 8,780 | | 253.00 | 404.00 | 9316 | 477.00 | | | | 10.50 | | | | | | | | | | | | | | | |
| Formation Name: WOLFCAMP C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lithology: 90% SHALE 10% LIMESTONE @ 9,645' | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | | Top | Middle 1 | Middle 2 | Bottom | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 1: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 2: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 3: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Type | | Units | | Beginning | | Used | | Received | | On Hand | | Net | | | | | | | | | | | | | | |
| Fuel | | | | 9,183 | | 2,405 | | | | 6,778 | | | | | | | | | | | | | | | | |
| Mud | | | | 9,998 | | 3,141 | | 7,200 | | 14,057 | | 4,059 | | | | | | | | | | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | | | | | | | | | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | Time | | Description | | | | | | | | | | | | | | | | | | | | | | |
| Safety | | 30 | | HOT WEATHER STAYING HYDRATED | | | | | | | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | | Medical Treatments: | | | | Lost Time Incidents: | | | | Days Since LTI: | | | | 466 | | | | | | | | | | |
| <input type="checkbox"/> BOP Test | | | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Description | Serial No. | | Vendor | | Acct Code | | Today's Cost \$ | | Start | | End | | | | | | | | | | | | | | |
| Port-a-let | PORT O JOHNS | | | H&S | | DRL-240 | | 20.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumpster | TRASH TRAILER | | | H&S | | DRL-240 | | 25.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H2S | H2S SAFETY | | | AMPRO | | DRL-240 | | 250.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Choke | CHOKE AND FLARE | | | PAYZONE | | DRL-240 | | 300.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | | CUTTER | | DRL-240 | | 200.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trailer | OFFICE AND COMMS | | | TREND | | DRL-240 | | 1,880.00 | | 05-Aug-23 | | | | | | | | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 14

Report For 06:00 AM 07-Sep-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|-------------------|------------|----------|-----------|-----------------|-----------|-----|
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | |
| Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 21,723.00 | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 15

Report For 06:00 AM 08-Sep-23

| | | | | | | | | | | | | | | | | | |
|-----------------------|--|--------------------|--|----------------|--|-----------------|--|-------------------------|--|--------------------------|--|-----------------|--|----------|--|-----------------|--|
| Operator: | | SEM OPERATING | | Rig: | | ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): / | | | | | | | |
| Measured Depth (ft): | | 11424 | | Last Casing: | | 9.63 at 8,269 | | Wellbore: | | Original Wellbore | | AFE No. | | AFE (\$) | | Actual (\$) | |
| Vertical Depth (ft): | | 8149 | | Next Casing: | | 5.50 at 19,940 | | RKB Elevation (ft): | | 2662 | | B24004 | | | | | |
| Proposed TD (ft): | | 19940 | | Last BOP Test: | | 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | |
| Hole Made (ft) / Hrs: | | 1,536 / 23.5 | | Next BOP Test: | | 18-Sep-23 | | Working Interest: | | 100% | | Totals: | | | | | |
| Average ROP (ft/hr): | | 65.36 | | | | | | | | | | Well Cost (\$): | | | | | |
| Days (actual / plan): | | Drilling 6.71 / 0, | | Flat 0 / 0, | | Complete 0 / 0, | | Total 6.71 / 0 | | | | | | DOL: | | 13 | |
| Pers/Hrs: | | Operator: 2 / 24 | | Contractor: | | 11 / 144 | | Service: | | 7 / 96 | | Other: | | 2 / 24 | | Total: 22 / 288 | |

Safety Summary: No incidents or events reported. 467 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 8.75" LATERAL AT 11,424'

Planned Operations: DRILL 8.75" LATERAL

Toolpusher: JOHN OSBORNE

Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL

Tel No.: 432-217-9511

Engineer(s): Larry Gillette

Operations Summary


| From | To | Elapsed | End MD(ft) | Code | Operations Description | Non-Prod |
|-------|-------|---------|------------|------|---|----------|
| 6:00 | 7:30 | 1.50 | 10,077 | DRIL | ROTATE F/ 9,888' T/ 10,077' GPM 600 SPP 3600 DIFF 600 WOB 35 RPM 45 TQ 15K | |
| 7:30 | 8:00 | 0.50 | 10,105 | DRIL | SLIDE / 10,077' T/ 10,105' GPM 600 SPP 3400 DIFF 400 WOB 60 TF 180 | |
| 8:00 | 9:30 | 1.50 | 10,275 | DRIL | ROTATE F/ 10,105' T/ 10,275' GPM 600 SPP 3600 DIFF 600 WOB 35 RPM 45 TQ 15K | |
| 9:30 | 10:00 | 0.50 | 10,290 | DRIL | SLIDE / 10,275' T/ 10,290' GPM 600 SPP 3400 DIFF 400 WOB 60 TF 145R | |
| 10:00 | 12:30 | 2.50 | 10,550 | DRIL | ROTATE F/ 10,290' T/ 10,550' GPM 600 SPP 3750 DIFF 600 WOB 35 RPM 45 TQ 15K | |
| 12:30 | 13:00 | 0.50 | 10,569 | DRIL | SLIDE / 10,550' T/ 10,569' GPM 600 SPP 3400 DIFF 400 WOB 60 TF 180 | |
| 13:00 | 14:00 | 1.00 | 10,650 | DRIL | ROTATE F/ 10,569' T/ 10,650' GPM 600 SPP 3750 DIFF 600 WOB 35 RPM 45 TQ 15K | |
| 14:00 | 14:30 | 0.50 | 10,665 | DRIL | SLIDE / 10,650' T/ 10,665' GPM 600 SPP 3400 DIFF 400 WOB 60 TF 160L | |
| 14:30 | 16:00 | 1.50 | 10,746 | DRIL | ROTATE F/ 10,665' T/ 10,746' GPM 600 SPP 3750 DIFF 600 WOB 35 RPM 45 TQ 15K | |
| 16:00 | 16:30 | 0.50 | 10,776 | DRIL | SLIDE / 10,746' T/ 10,776' GPM 600 SPP 3400 DIFF 400 WOB 60 TF 120L | |
| 16:30 | 17:30 | 1.00 | 10,776 | DRIL | ROTATE F/ 10,746' T/ 10,776' GPM 600 SPP 3850 DIFF 550 WOB 35 RPM 45 TQ 15K | |
| 17:30 | 18:00 | 0.50 | 10,776 | SERV | SERVICE RIG | |
| 18:00 | 19:30 | 1.50 | 10,937 | DRIL | ROTATE F/ 10,776' T/ 10,937' GPM 600 SPP 3850 DIFF 550 WOB 35 RPM 45 TQ 17K | |
| 19:30 | 20:00 | 0.50 | 10,968 | DRIL | SLIDE F/ 10,937' T/ 10,938' GPM 600 SPP 3650 DIFF 400 WOB 60 TF HS | |
| 20:00 | 20:30 | 0.50 | 11,035 | DRIL | ROTATE F/ 10,938' T/ 11,035' GPM 600 SPP 3850 DIFF 550 WOB 35 RPM 45 TQ 17K | |
| 20:30 | 22:30 | 2.00 | 11,052 | DRIL | SLIDE F/ 11,035' T/ 11,052' GPM 600 SPP 3650 DIFF 300 WOB 60 TF 180 | |
| 22:30 | 5:00 | 6.50 | 11,403 | DRIL | ROTATE F/ 11,052' T/ 11,403' GPM 600 SPP 3850 DIFF 550 WOB 35 RPM 45 TQ 17K | |
| 5:00 | 5:30 | 0.50 | 11,403 | DRIL | SLIDE F/ 11,403' T/11,413' GPM 600 SPP 3650 DIFF 300 WOB 60 TF HS | |
| 5:30 | 6:00 | 0.50 | 11,424 | DRIL | ROTATE F/ 11,013' T/ 11,423' GPM 600 SPP 3850 DIFF 550 WOB 35 RPM 45 TQ 17K | |


Casing/Tubular Information

| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) |
|------|------------|-------------|--------------|----------------|-----------------|--------------|----------------|-----------------|---------------|---------------|
| FULL | 13.38 | 0 | | 958 | | SURF | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | |

Cost/AFE Information

| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent |
|--------|---------------------------------|--------------|-----------|------------|-------------|--------------|---------|
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 14,047.99 | 130,921.16 | 103,611.18 | 1,892,835.86 | 22.06% |
| | Totals \$: | 8,578,755.00 | 14,048.00 | 130,921.00 | 103,611.00 | 1,892,836.00 | 22.06% |

|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------|----------|-------------|--|----------|----------|-----------------|----------|-----------------|--------|----------|------------|-------|-------|--|--------|------|-------|------|------|--|-----|--|------------------|--------|-------------|----------|-------------|------------------------|---------------------|----------------|-----------------|---------|------------------------|--|---------------------|---------|----------------|-------------------------|---------|---------------------|---------|----------|--------------------------|----------|------|------|--------|----------------------------|-------|------------|--------|----------|---------------------|-------|--------|--------|----------|-------------------------|--------|--------|----------|----------|------------------|-----|-----|----|----------|-------------------------|---|------|------|-------|-------------------|------|-------|----|--------|----|----|------|---|---|---|---|--|--|--|--|--|--|--|--|-------|-------|------|------|------|---|--|---|----|------|--|--|-------|--|-------|---|----|----|--|-------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|-------|------|------|----|---|--|-----|------|----|--|--|-------|--|-------|---|----|----|--|-------|
| | Report No: 15 | | | | | | | | | | | | | | | Report For 06:00 AM 08-Sep-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Mud Information <table border="1"> <thead> <tr> <th colspan="15"></th> <th colspan="3">%</th> <th colspan="3">Gels</th> <th colspan="2">Temp</th> <th>Mud</th> </tr> <tr> <th>Dens.</th><th>Vis</th><th>PV</th><th>YP</th><th>Filt.</th><th>Cake</th><th>pH/ES</th><th>Solids</th><th>Oil</th><th>Water</th><th>Sand</th><th>LGS</th><th>Cl</th><th>Ca</th><th>CaCl</th><th>10s</th><th>10m</th><th>30m</th><th>In</th><th>Out</th><th>Loss</th> </tr> </thead> <tbody> <tr> <td colspan="21">07-Sep-23 08:00 at Depth 10,100 ft Mud Pits, Type: Oil Base Mud</td> <td></td><td></td><td></td> </tr> <tr> <td>10.50</td><td>33.00</td><td>2.00</td><td>0.00</td><td>12.4</td><td>2</td><td></td><td>8</td><td>63</td><td>20.5</td><td></td><td></td><td>38000</td><td></td><td>25208</td><td>8</td><td>11</td><td>13</td><td></td><td>30.00</td><td></td> </tr> <tr> <td colspan="21">07-Sep-23 20:00 at Depth 10,981 ft Mud Pits, Type: Oil Base Mud</td> <td></td><td></td><td></td> </tr> <tr> <td>11.00</td><td>32.00</td><td>3.00</td><td>2.00</td><td>12</td><td>2</td><td></td><td>8.1</td><td>61.5</td><td>20</td><td></td><td></td><td>40000</td><td></td><td>38743</td><td>9</td><td>12</td><td>14</td><td></td><td>40.00</td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | % | | | Gels | | | Temp | | Mud | Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | 10m | 30m | In | Out | Loss | 07-Sep-23 08:00 at Depth 10,100 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | | | | | 10.50 | 33.00 | 2.00 | 0.00 | 12.4 | 2 | | 8 | 63 | 20.5 | | | 38000 | | 25208 | 8 | 11 | 13 | | 30.00 | | 07-Sep-23 20:00 at Depth 10,981 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | | | | | 11.00 | 32.00 | 3.00 | 2.00 | 12 | 2 | | 8.1 | 61.5 | 20 | | | 40000 | | 38743 | 9 | 12 | 14 | | 40.00 |
| | | | | | | | | | | | | | | | % | | | Gels | | | Temp | | Mud | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | 10m | 30m | In | Out | Loss | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07-Sep-23 08:00 at Depth 10,100 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.50 | 33.00 | 2.00 | 0.00 | 12.4 | 2 | | 8 | 63 | 20.5 | | | 38000 | | 25208 | 8 | 11 | 13 | | 30.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07-Sep-23 20:00 at Depth 10,981 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11.00 | 32.00 | 3.00 | 2.00 | 12 | 2 | | 8.1 | 61.5 | 20 | | | 40000 | | 38743 | 9 | 12 | 14 | | 40.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mud Consumables <table border="1"> <thead> <tr> <th colspan="3">Item Description</th> <th>Qty.</th> <th>Cost</th> <th colspan="3">Item Description</th> <th>Qty.</th> <th>Cost</th> </tr> </thead> <tbody> <tr> <td colspan="3">AES MUL X (GAL) - GALS</td> <td>55</td> <td>816.75</td> <td colspan="3">AES VIS LS (50) - 50#SK</td> <td>12</td> <td>1,378.08</td> </tr> <tr> <td colspan="3">AES WA II (GAL)50 - GALS</td> <td>50</td> <td>749.50</td> <td colspan="3">BARITE BULK (100) - 100#SK</td> <td>400</td> <td>5,180.00</td> </tr> <tr> <td colspan="3">CALL 2 (50) - 50#SK</td> <td>102</td> <td>1,668.72</td> <td colspan="3">CLAYTONE II (50) - SACK</td> <td>24</td> <td>2,755.44</td> </tr> <tr> <td colspan="3">ENGINEERING - EA</td> <td>1</td> <td>950.00</td> <td colspan="3">ENGINEERING (DIEM) - EA</td> <td>1</td> <td>50.00</td> </tr> <tr> <td colspan="3">LIME (50) - 50#SK</td> <td>50</td> <td>499.50</td> <td colspan="3"></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | Item Description | | | Qty. | Cost | Item Description | | | Qty. | Cost | AES MUL X (GAL) - GALS | | | 55 | 816.75 | AES VIS LS (50) - 50#SK | | | 12 | 1,378.08 | AES WA II (GAL)50 - GALS | | | 50 | 749.50 | BARITE BULK (100) - 100#SK | | | 400 | 5,180.00 | CALL 2 (50) - 50#SK | | | 102 | 1,668.72 | CLAYTONE II (50) - SACK | | | 24 | 2,755.44 | ENGINEERING - EA | | | 1 | 950.00 | ENGINEERING (DIEM) - EA | | | 1 | 50.00 | LIME (50) - 50#SK | | | 50 | 499.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | Qty. | Cost | Item Description | | | Qty. | Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AES MUL X (GAL) - GALS | | | 55 | 816.75 | AES VIS LS (50) - 50#SK | | | 12 | 1,378.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AES WA II (GAL)50 - GALS | | | 50 | 749.50 | BARITE BULK (100) - 100#SK | | | 400 | 5,180.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CALL 2 (50) - 50#SK | | | 102 | 1,668.72 | CLAYTONE II (50) - SACK | | | 24 | 2,755.44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINEERING - EA | | | 1 | 950.00 | ENGINEERING (DIEM) - EA | | | 1 | 50.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LIME (50) - 50#SK | | | 50 | 499.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bit/BHA/Workstring Information <table border="1"> <thead> <tr> <th colspan="4"></th> <th colspan="2">Depth</th> <th colspan="2">This Run</th> <th colspan="2">R.O.P.</th> <th colspan="4"></th> <th colspan="2">Mud</th> <th colspan="2">Pump</th> <th colspan="4"></th> </tr> <tr> <th>No</th><th>Run</th><th>Make</th><th>Model</th><th>Diam</th><th>In</th><th>Dist</th><th>Hrs</th><th>Avg</th><th>Max</th><th>WOB</th><th>RPM</th><th>Torque</th><th>Wt</th><th>Flow</th><th>Press</th><th>J. Vel</th><th>P. Drp</th><th>HHP</th><th>JIF</th> </tr> </thead> <tbody> <tr> <td>2</td><td>1</td><td>ULTRERRA</td><td>SPL613</td><td>8.75</td><td>8284</td><td>3140</td><td>46.5</td><td>67.5</td><td>69.7</td><td>35.00</td><td>45</td><td>000.00</td><td>11</td><td>60</td><td>3850</td><td>9</td><td>1</td><td>0</td><td>3</td> </tr> </tbody> </table> <p> Jets: 18 18 18 18 18 18 18 18 18 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull: Comments: 8.75 CURVE/LATERAL BIT BHA - No. 2 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3497.18 </p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Depth | | This Run | | R.O.P. | | | | | | Mud | | Pump | | | | | | No | Run | Make | Model | Diam | In | Dist | Hrs | Avg | Max | WOB | RPM | Torque | Wt | Flow | Press | J. Vel | P. Drp | HHP | JIF | 2 | 1 | ULTRERRA | SPL613 | 8.75 | 8284 | 3140 | 46.5 | 67.5 | 69.7 | 35.00 | 45 | 000.00 | 11 | 60 | 3850 | 9 | 1 | 0 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Depth | | This Run | | R.O.P. | | | | | | Mud | | Pump | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | Run | Make | Model | Diam | In | Dist | Hrs | Avg | Max | WOB | RPM | Torque | Wt | Flow | Press | J. Vel | P. Drp | HHP | JIF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1 | ULTRERRA | SPL613 | 8.75 | 8284 | 3140 | 46.5 | 67.5 | 69.7 | 35.00 | 45 | 000.00 | 11 | 60 | 3850 | 9 | 1 | 0 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters <table border="1"> <thead> <tr> <th colspan="2">Depth (ft)</th> <th colspan="2">ROP (ft/hr)</th> <th colspan="2">WOB (lbs)</th> <th colspan="2">RPM</th> <th colspan="2">Torque (ft lbs)</th> <th colspan="2">Flow (gals/min)</th> <th>Pressure</th> </tr> <tr> <th>From</th><th>To</th><th>Avg</th><th>Max</th><th>Avg</th><th>Max</th><th>Avg</th><th>Max</th><th>Avg</th><th>Max</th><th>Avg</th><th>Max</th><th>(psi)</th> </tr> </thead> <tbody> <tr> <td>9,888</td><td>11,424</td><td>67.5</td><td>67.5</td><td>35.00</td><td>35.00</td><td>45</td><td>45</td><td>15,000.</td><td>0.00</td><td>600.00</td><td>600.00</td><td>3,850.00</td> </tr> </tbody> </table> <p> Annular Velocity: Drill Collars: 192.1 Drill Pipe: 285.2 </p> | | | | | | | | | | | | | | | | | | | | | | | | | Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure | From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | (psi) | 9,888 | 11,424 | 67.5 | 67.5 | 35.00 | 35.00 | 45 | 45 | 15,000. | 0.00 | 600.00 | 600.00 | 3,850.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | (psi) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9,888 | 11,424 | 67.5 | 67.5 | 35.00 | 35.00 | 45 | 45 | 15,000. | 0.00 | 600.00 | 600.00 | 3,850.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Miscellaneous Drilling Parameters <p> Hook Loads (lbs): Off Bottom Rotate: 220,000.00 Pick Up: 200,000.00 Slack Off: 100,000.00 Drag Avg/Max: 40000 / 45000 Slow Circulation Data: <table border="1"> <tbody> <tr> <td>Pump 1:</td> <td>30 spm</td> <td>280 psi</td> <td>40 spm</td> <td>340 psi</td> <td>50 spm</td> <td>400 psi</td> </tr> <tr> <td>Pump 2:</td> <td>30 spm</td> <td>270 psi</td> <td>40 spm</td> <td>335 psi</td> <td>50 spm</td> <td>410 psi</td> </tr> <tr> <td>Pump 3:</td> <td>30 spm</td> <td>270 psi</td> <td>40 spm</td> <td>325 psi</td> <td>50 spm</td> <td>400 psi</td> </tr> </tbody> </table> Hours on Casing/Liner: Rotating: / Tripping: / <input checked="" type="checkbox"/> Wear Bushing Installed </p> | | | | | | | | | | | | | | | | | | | | | | | | | Pump 1: | 30 spm | 280 psi | 40 spm | 340 psi | 50 spm | 400 psi | Pump 2: | 30 spm | 270 psi | 40 spm | 335 psi | 50 spm | 410 psi | Pump 3: | 30 spm | 270 psi | 40 spm | 325 psi | 50 spm | 400 psi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump 1: | 30 spm | 280 psi | 40 spm | 340 psi | 50 spm | 400 psi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump 2: | 30 spm | 270 psi | 40 spm | 335 psi | 50 spm | 410 psi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump 3: | 30 spm | 270 psi | 40 spm | 325 psi | 50 spm | 400 psi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mud Log Information <table border="1"> <thead> <tr> <th colspan="2">Depth (ft)</th> <th colspan="2">TVD (ft)</th> <th colspan="2">Gas (Units)</th> <th colspan="2">Gas</th> <th>Drilling</th> <th>Pore</th> <th>Mud</th> <th>Shale</th> <th colspan="2">ROP</th> </tr> <tr> <th>From</th><th>To</th><th>From</th><th>To</th><th>Avg</th><th>Max</th><th>at Depth</th><th>Connect.</th><th>Trip</th><th>Exp.</th><th>Press</th><th>Dens.</th><th>Dens.</th><th>Shale Sand</th> </tr> </thead> <tbody> <tr> <td>10,680</td><td>11,245</td><td>8,788</td><td>8,792</td><td>339.00</td><td>564.00</td><td>11010</td><td>604.00</td><td></td><td></td><td></td><td>11.00</td><td></td><td></td> </tr> </tbody> </table> <p> Formation Name: WOLFCAMP C Lithology: 90 SHALE 10% LIMESTONE </p> | | | | | | | | | | | | | | | | | | | | | | | | | Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | Pore | Mud | Shale | ROP | | From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Dens. | Shale Sand | 10,680 | 11,245 | 8,788 | 8,792 | 339.00 | 564.00 | 11010 | 604.00 | | | | 11.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | Pore | Mud | Shale | ROP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Dens. | Shale Sand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10,680 | 11,245 | 8,788 | 8,792 | 339.00 | 564.00 | 11010 | 604.00 | | | | 11.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rig Information <p> Equipment Problems: Location Condition: Transport: </p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information <table border="1"> <thead> <tr> <th>Screen Sizes:</th> <th>Top</th> <th>Middle 1</th> <th>Middle 2</th> <th>Bottom</th> <th>Equipment Usage (Hrs):</th> </tr> </thead> <tbody> <tr> <td>Shaker No 1:</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td> <td rowspan="3">Centrifuge 1: 7 (Barite Recovery)</td> </tr> <tr> <td>Shaker No 2:</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td> </tr> <tr> <td>Shaker No 3:</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | Screen Sizes: | Top | Middle 1 | Middle 2 | Bottom | Equipment Usage (Hrs): | Shaker No 1: | 200 | 200 | 200 | 200 | Centrifuge 1: 7 (Barite Recovery) | Shaker No 2: | 200 | 200 | 200 | 200 | Shaker No 3: | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | Top | Middle 1 | Middle 2 | Bottom | Equipment Usage (Hrs): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 1: | 200 | 200 | 200 | 200 | Centrifuge 1: 7 (Barite Recovery) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 2: | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 3: | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory <p> Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD </p> <table border="1"> <thead> <tr> <th>Item Type</th> <th>Units</th> <th>Beginning</th> <th>Used</th> <th>Received</th> <th>On Hand</th> <th>Net</th> </tr> </thead> <tbody> <tr> <td>Fuel</td> <td></td> <td>6,778</td> <td>3,049</td> <td>7,199</td> <td>10,928</td> <td>4,150</td> </tr> <tr> <td>Mud</td> <td></td> <td>14,057</td> <td>2,671</td> <td></td> <td>11,386</td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | Item Type | Units | Beginning | Used | Received | On Hand | Net | Fuel | | 6,778 | 3,049 | 7,199 | 10,928 | 4,150 | Mud | | 14,057 | 2,671 | | 11,386 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Type | Units | Beginning | Used | Received | On Hand | Net | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel | | 6,778 | 3,049 | 7,199 | 10,928 | 4,150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mud | | 14,057 | 2,671 | | 11,386 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drill Pipe Inventory <table border="1"> <thead> <tr> <th>DP Size</th> <th>Joints</th> <th>Weight</th> <th>Grade</th> <th>Thread</th> <th>DP Size</th> <th>Joints</th> <th>Weight</th> <th>Grade</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>701</td> <td>19.50</td> <td>S-135</td> <td>OTHER</td> <td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|---|---|----------|---------------------------------|-----------------|--|-----|-----|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | |
| | Report No: 15 | | | | | Report For 06:00 AM 08-Sep-23 | | |
| | Safety Information | | | | | | | |
| Meetings/Drills | | Time | | Description | | | | |
| Safety | | 30 | | FORKLIFT AND MANLIFT OPERATIONS | | | | |
| First Aid Treatments: | | Medical Treatments: | | Lost Time Incidents: | | Days Since LTI: | | 467 |
| <input type="checkbox"/> BOP Test | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | |
| Rental Tools Information | | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End | |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | | |
| Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | | |
| Notes: EDR \$700 A DAY | | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | | |
| Notes: MUD VAC \$90 A DAY | | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC


Sect: 12 County: Reagan State: TX


Report No: 15

Report For 06:00 AM 08-Sep-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|----------------|------------|---------|-----------|-----------------|-----------|-----|
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 21,723.00 | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------------|--------------|-----------------------------|--|-----------------|------------------------|-----------------|---------------|-----------------------|--|---------|----|--------|-----|----------|-----|---------|-------|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | Report No: 16 | | | | | | | | | | Report For 06:00 AM 09-Sep-23 | | | | | | | | | |
| | Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | | | | | | | | | | | | | |
| Measured Depth (ft): 12536 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): 8149 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 1,112 / 23.5 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): 47.32 | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 7.69 / 0, Flat 0 / 0, Complete 0 / 0, Total 7.69 / 0 | | | | | | | | | | | | DOL: 14 | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 2 / 24 | | Total: 22 / 288 | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 468 days since LTI. Conducted Crown Check, Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: DRILLING 8.75 LATERAL @ 12,536' | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: DRILL 8.75 LATERAL | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORNE | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | | | | | | | | | |
| 6:00 | 8:00 | 2.00 | 11,580 | DRIL | ROTATE F/ 11,423' T/ 11,580' GPM 600 SPP 3850 DIFF 550 WOB 35 RPM 45 TQ 17K | | | | | | | | | | | | | | | |
| 8:00 | 9:30 | 1.50 | 11,610 | DRIL | SLIDE F/ 11,580' T/11,610' GPM 600 SPP 3650 DIFF 300 WOB 60 TF 45R | | | | | | | | | | | | | | | |
| 9:30 | 13:00 | 3.50 | 11,870 | DRIL | ROTATE F/ 11,610' T/ 11,870' GPM 600 SPP 3850 DIFF 550 WOB 35 RPM 45 TQ 17K | | | | | | | | | | | | | | | |
| 13:00 | 16:30 | 3.50 | 12,050 | DRIL | SLIDE F/ 11,870' T/12,050' GPM 600 SPP 3650 DIFF 300 WOB 60 TF 90R | | | | | | | | | | | | | | | |
| 16:30 | 17:00 | 0.50 | 12,050 | SERV | SERVICE RIG | | | | | | | | | | | | | | | |
| 17:00 | 18:00 | 1.00 | 12,154 | DRIL | ROTATE F/ 12,050' T/ 12,154 | | | | | | | | | | | | | | | |
| 18:00 | 19:30 | 1.50 | 12,176 | DRIL | SLIDE F/ 12,154' T/ 12,176' GPM 600 SPP 3650 DIFF 300 WOB 60 TF 60R | | | | | | | | | | | | | | | |
| 19:30 | 21:00 | 1.50 | 12,254 | DRIL | ROTATE / 12,176' T/ 12,254' GPM 600 SPP 3850 DIFF 550 WOB 35 RPM 45 TQ 17K | | | | | | | | | | | | | | | |
| 21:00 | 23:00 | 2.00 | 12,283 | DRIL | SLIDE 12,254' T/ 12,283' GPM 600 SPP 3650 DIFF 300 WOB 60 TF 30R | | | | | | | | | | | | | | | |
| 23:00 | 2:00 | 3.00 | 12,436 | DRIL | ROTATE F/ 12,283' T/ 12,436' GPM 600 SPP 41000 DIFF 500 WOB 35 RPM 45 TQ 19K | | | | | | | | | | | | | | | |
| 2:00 | 3:00 | 1.00 | 12,462 | DRIL | SLIDE F/ 12,436' T/ 12,462' GPM 600 SPP 3600 DIFF 200 WOB 60 TF 20L | | | | | | | | | | | | | | | |
| 3:00 | 4:00 | 1.00 | 12,529 | DRIL | ROTATE F/ 12,462' T/ 12,529' GPM 600 SPP 41000 DIFF 500 WOB 35 RPM 45 TQ 19K | | | | | | | | | | | | | | | |
| 4:00 | 6:00 | 2.00 | 12,536 | DRIL | SLIDE F/ 12,529' T/ 12,536 GPM 600 SPP 3600 DIFF 200 WOB 60 TF 20L | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 56,366.39 | 187,287.55 | 114,874.39 | 2,007,710.25 | 23.40% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 56,366.00 | 187,288.00 | 114,874.00 | 2,007,710.00 | 23.40% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | CI | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 08-Sep-23 09:00 at Depth 11,570 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 11.10 | 5.00 | 2.00 | 4.00 | 12.8 | 2 | | 9.3 | 60.5 | 20 | | | 36000 | | 220124 | 11 | 17 | 19 | | 42.00 | |
| 08-Sep-23 12:18 at Depth 12,185 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 11.20 | 54.00 | 3.00 | 3.00 | 12.6 | 2 | | 8.9 | 60.8 | 19.5 | | | 37000 | | 229307 | 11 | 15 | 17 | | 46.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------|--|---------------|---|----------|-----------|-----------------|----------------------------|----------------------------------|--------|-------------------|--|------------|-----------------|--|--|--------|--|---------------|--|--------|--|---------|--|----------|--|------------|--|---------|--|--------|--|-----|--|-----|--|-----|--|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | | | | | | | | | | | | |
| | Report No: 16 | | | | | | | | | | | | | | | Report For 06:00 AM 09-Sep-23 | | | | | | | | | | | | | | | | | | | | | | | |
| | Mud Consumables | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | | | Qty. | | Cost | | Item Description | | | | | Qty. | | Cost | | | | | | | | | | | | | | | | | | | | | | | |
| AES MUL X (GAL) - GALS | | | | | 50 | | 742.50 | | AES VIS LS (50) - 50#SK | | | | | 11 | | 1,263.24 | | | | | | | | | | | | | | | | | | | | | | | |
| AES WA II (GAL) - 50#SK | | | | | 150 | | 17,226.00 | | BARITE BULK (100) - 100#SK | | | | | 294 | | 3,807.30 | | | | | | | | | | | | | | | | | | | | | | | |
| CALL 2 (50) - 50#SK | | | | | 62 | | 1,014.32 | | CLAYTONE II (50) - SACK | | | | | 24 | | 2,755.44 | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINEERING - EA | | | | | 1 | | 950.00 | | ENGINEERING (DIEM) - EA | | | | | 1 | | 50.00 | | | | | | | | | | | | | | | | | | | | | | | |
| FLR PLUS (50) - 50#SK | | | | | 33 | | 3,040.62 | | LIME (50) - 50#SK | | | | | 100 | | 999.00 | | | | | | | | | | | | | | | | | | | | | | | |
| SHRINK WRAP - EA | | | | | 16 | | 240.00 | | TRUCKING (CWT) - EA | | | | | 399 | | 1,296.75 | | | | | | | | | | | | | | | | | | | | | | | |
| TRUCKING BULK (CWT) - EA | | | | | 429 | | 1,608.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Run | | Make | | Model | | Diam | | Depth In | | This Run Dist | | Hrs | | R.O.P. Avg | | Max | | WOB | | RPM | | Torque | | Wt | | Mud Flow | | Pump Press | | J. Vel | | P. Drp | | HHP | | JIF | | | |
| 2 | | 1 | | ULTERRA | | SPL613 | | 8.75 | | 8284 | | 4252 | | 70 | | 60.7 | | 69.7 | | 35.00 | | 45 | | 1000.00 | | 11 | | 600 | | 4100 | | 86 | | 75 | | 26 | | 302 | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | | | | | | | Out: | | Grade: | | Cutter: | | / | | Dull: | | / | | Wear: | | Brigs: | | Gge: | | | | Pull: | | | | | | | | | |
| Comments: 8.75 CURVE/LATERAL BIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BHA - No. 2 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3497.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From To | | Avg Max | | Avg Max | | Avg Max | | Avg Max | | Avg Max | | Avg Max | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11,424 12,500 | | 69.7 68.5 | | 35.00 40.00 | | 45 45 | | 17,000. 21,000. | | 600.00 600.00 | | 4,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Annular Velocity: Drill Collars: | | | | | | | | | | 192.1 | | Drill Pipe: 285.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | | | | Off Bottom Rotate: | | | | | Pick Up: | | | | | Slack Off: | | | | | Drag Avg/Max: | | | | | 75000 / 80000 | | | | | | | | | | | | | | |
| Slow Circulation Data: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump 1: | | | | | 30 spm | | | | | 375 psi | | | | | 40 spm | | | | | 435 psi | | | | | 50 spm | | | | | 500 psi | | | | | | | | | |
| Pump 2: | | | | | 30 spm | | | | | 360 psi | | | | | 40 spm | | | | | 425 psi | | | | | 50 spm | | | | | 500 psi | | | | | | | | | |
| Pump 3: | | | | | 30 spm | | | | | 360 psi | | | | | 40 spm | | | | | 420 psi | | | | | 50 spm | | | | | 495 psi | | | | | | | | | |
| Hours on Casing/Liner: | | | | | Rotating: | | | | | / | | | | | Tripping: | | | | | / | | | | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | | | | | | | | | | |
| Mud Log Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | | Pore | | Mud | | Shale | | ROP | | | | | | | | | | | | | | | | | | | | | | | |
| From To | | From To | | Avg Max | | at Depth | | Connect. | | Trip | | Exp. | | Press | | Dens. | | Dens. | | Shale | | Sand | | | | | | | | | | | | | | | | | |
| 11,900 12,370 | | 8,789 8,794 | | 285.00 570.00 | | 11346 | | 537.00 | | | | | | | | 11.30 | | | | | | | | | | | | | | | | | | | | | | | |
| Formation Name: WOLFCAMP C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lithology: 80 % SHALE 20 % LIMESTONE @ 12475 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | | | | | Top | | Middle 1 | | Middle 2 | | Bottom | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 1: | | | | | 200 | | 200 | | 200 | | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 2: | | | | | 200 | | 200 | | 200 | | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 3: | | | | | 200 | | 200 | | 200 | | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Type | | | | | Units | | | | | Beginning | | | | | Used | | | | | Received | | | | | On Hand | | | | | Net | | | | | | | | | |
| Fuel | | | | | | | | | | 10,928 | | | | | 3,346 | | | | | | | | | | 7,582 | | | | | | | | | | | | | | |
| Mud | | | | | | | | | | 11,386 | | | | | 4,458 | | | | | 6,198 | | | | | 13,126 | | | | | 1,740 | | | | | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP Size | | Joints | | Weight | | Grade | | Thread | | DP Size | | Joints | | Weight | | Grade | | Thread | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 701 | | 19.50 | | S-135 | | OTHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | | | | Time | | | | | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Safety | | | | | 30 | | | | | ROUTINE OPERATION/ HOUSE KEEPING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | | | Medical Treatments: | | | | | Lost Time Incidents: | | | | | Days Since LTI: | | | | | 468 | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> BOP Test | | | | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 16

Report For 06:00 AM 09-Sep-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|-------------------|------------|----------|-----------|-----------------|-----------|-----|
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | |
| Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 16


Report For 06:00 AM 09-Sep-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|------------|---------------|------------|--------|-----------|-----------------|-----------|-----|
| DP/HAND TO | 5" DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |

Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY

Total Daily Rental Cost \$: 21,723.00

| | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------------|--------------|-----------------------------|---|-----------------|--------------------------|-----------------|---------------|-----------------------|--|-------|----|--------|-----|----------|-----|---------|-------|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | Report No: 17 | | | | | | | | | | Report For 06:00 AM 10-Sep-23 | | | | | | | | | |
| | Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): / | | | | | | | | | | | | | |
| Measured Depth (ft): 13688 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): 8780 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 1,152 / 23.5 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): 49.02 | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 8.67 / 0, Flat 0 / 0, Complete 0 / 0, Total 8.67 / 0 | | | | | | | | | | DOL: 15 | | | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 2 / 24 | | Total: 22 / 288 | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 469 days since LTI. Conducted Crown Check, Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: DRILLING 8.75 LATERAL @ 13,688' | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: DRILL 8.75 LATERAL | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORNE | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | | | | | | | | | |
| 6:00 | 6:30 | 0.50 | 12,550 | DRIL | SLIDE F/ 12,536' T/ 12,550 GPM 600 SPP 3600 DIFF 200 WOB 60 TF 160L | | | | | | | | | | | | | | | |
| 6:30 | 8:00 | 1.50 | 12,615 | DRIL | ROTATE F/ 12,550' T/ 12,615' GPM 600 SPP 4100 DIFF 500 WOB 35 RPM 45 TQ 19K | | | | | | | | | | | | | | | |
| 8:00 | 9:00 | 1.00 | 12,650 | DRIL | SLIDE F/ 12,615' T/ 12,650 GPM 600 SPP 3600 DIFF 200 WOB 60 TF 180 | | | | | | | | | | | | | | | |
| 9:00 | 9:30 | 0.50 | 12,665 | DRIL | ROTATE F/ 12,650' T/ 12,665' GPM 600 SPP 4100 DIFF 500 WOB 35 RPM 45 TQ 19K | | | | | | | | | | | | | | | |
| 9:30 | 10:00 | 0.50 | 12,680 | DRIL | SLIDE F/ 12,665' T/ 12,680 GPM 600 SPP 3600 DIFF 200 WOB 60 TF 180 | | | | | | | | | | | | | | | |
| 10:00 | 15:30 | 5.50 | 13,020 | DRIL | ROTATE F/ 12,680' T/ 13,020' GPM 600 SPP 4100 DIFF 500 WOB 35 RPM 45 TQ 19K | | | | | | | | | | | | | | | |
| 15:30 | 16:00 | 0.50 | 13,030 | DRIL | SLIDE F/ 13,020' T/ 13,030' GPM 600 SPP 3600 DIFF 200 WOB 60 TF HS | | | | | | | | | | | | | | | |
| 16:00 | 17:00 | 1.00 | 13,083 | DRIL | ROTATE F/ 13,030' T/ 13,083' GPM 600 SPP 4100 DIFF 500 WOB 35 RPM 45 TQ 19K | | | | | | | | | | | | | | | |
| 17:00 | 17:30 | 0.50 | 13,083 | SERV | SERVICE RIG | | | | | | | | | | | | | | | |
| 17:30 | 18:00 | 0.50 | 13,106 | DRIL | ROTATE F/ 13,083 T/ 13,106' GPM 600 SPP 4100 DIFF 500 WOB 35 RPM 45 TQ 19K | | | | | | | | | | | | | | | |
| 18:00 | 19:00 | 1.00 | 13,187 | DRIL | ROTATE F/ 13,103 T/ 13,187' GPM 600 SPP 4250 DIFF 550 WOB 35 RPM 45 TQ 21K | | | | | | | | | | | | | | | |
| 19:00 | 19:30 | 0.50 | 13,196 | DRIL | SLIDE F/ 13,187' T/ 13,196' GPM 600 SPP 3900 DIFF 200 WOB 60 TF 160L | | | | | | | | | | | | | | | |
| 19:30 | 1:00 | 5.50 | 13,470 | DRIL | ROTATE F/ 13,196' T/ 13,470' GPM 600 SPP 4250 DIFF 550 WOB 35 RPM 45 TQ 21K | | | | | | | | | | | | | | | |
| 1:00 | 2:00 | 1.00 | 13,485 | DRIL | SLIDE F/ 13,470' T/ 13,485' GPM 600 SPP 3900 DIFF 200 WOB 60 TF 160L | | | | | | | | | | | | | | | |
| 2:00 | 5:30 | 3.50 | 13,658 | DRIL | ROTATE F/ 13,485' T/ 13,658' GPM 600 SPP 4250 DIFF 550 WOB 35 RPM 45 TQ 21K | | | | | | | | | | | | | | | |
| 5:30 | 6:00 | 0.50 | 13,688 | DRIL | SLIDE F/ 13,658' T/ 13,688' GPM 600 SPP 3900 DIFF 200 WOB 60 TF HS | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 19,726.38 | 207,013.93 | 130,492.39 | 2,138,202.64 | 24.92% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 19,726.00 | 207,014.00 | 130,492.00 | 2,138,203.00 | 24.92% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | CI | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 09-Sep-23 09:30 at Depth 12,665 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 11.30 | 57.00 | 6.00 | 3.00 | 11.8 | 2 | | 9.5 | 61.5 | 18 | | | 38000 | | 248708 | 12 | 17 | 20 | | 48.00 | |
| 09-Sep-23 20:00 at Depth 13,240 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 11.50 | 53.00 | 5.00 | 3.00 | 11.6 | 2 | | 8.9 | 61 | 18 | | | 40000 | | 258415 | 11 | 15 | 18 | | 46.00 | |

| | | | | | | | | | | | | | | | | | | | | |
|--|---|---|----------|------------------------------------|-------------|---------------|------------------|--|---------|-----------------|-----------------------------|-----------------|--------|----------|----------|--|--------|--------|-----|-----|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | |
| | Report No: 17 | | | | | | | | | | | | | | | Report For 06:00 AM 10-Sep-23 | | | | |
| | Mud Consumables | | | | | | | | | | | | | | | | | | | |
| Item Description | | | | | Qty. | Cost | | Item Description | | | | | Qty. | Cost | | | | | | |
| AES MUL X (GAL) - GALS | | | | | 200 | 2,970.00 | | AES VIS LS (50) - 50#SK | | | | | 4 | 459.36 | | | | | | |
| AES WA II (GAL)50 - GALS | | | | | 250 | 3,747.50 | | BARITE BULK (100) - 100#SK | | | | | 212 | 2,745.40 | | | | | | |
| CALL 2 (50) - 50#SK | | | | | 150 | 2,454.00 | | CLAYTONE II (50) - SACK | | | | | 8 | 918.48 | | | | | | |
| ENGINEERING - EA | | | | | 1 | 950.00 | | ENGINEERING (DIEM) - EA | | | | | 1 | 50.00 | | | | | | |
| FLR PLUS (50) - 50#SK | | | | | 26 | 2,395.64 | | LIME (50) - 50#SK | | | | | 150 | 1,498.50 | | | | | | |
| TRUCKING BULK (CWT) - EA | | | | | 410 | 1,537.50 | | | | | | | | | | | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | |
| No Run | | Make | Model | Diam | Depth In | This Run Dist | Hrs | R.O.P. Avg | | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF |
| 2 | 1 | ULTERRA | SPL613 | 8.75 | 8284 | 5404 | 93.5 | 57.8 | 67.9 | 45.00 | 45 | 1000.00 | 11 | 600 | 4250 | 86 | 76 | 26 | 305 | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | | Out: | | Grade: Cutter: / | | Dull: / | | Wear: | | Brgs: | | Gge: | | Pull: | | | |
| Comments: 8.75 CURVE/LATERAL BIT | | | | | | | | | | | | | | | | | | | | |
| BHA - No. 2 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3497.18 | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | | | | | | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | | | | | | |
| 12,536 | 13,688 | 57.5 | 57.8 | 35.00 | 40.00 | 45 | 45 | 21,000. | 21,000. | 600.00 | 600.00 | 4,250.00 | | | | | | | | |
| Annular Velocity: Drill Collars: | | | | 192.1 | Drill Pipe: | | | | 285.2 | | | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | Off Bottom Rotate: | | 210,000.00 | Pick Up: | | 290,000.00 | Slack Off: | | 170,000.00 | Drag Avg/Max: 75000 / 80000 | | | | | | | | | |
| Slow Circulation Data: | | | | | | | | | | | | | | | | | | | | |
| Pump 1: | | 30 spm | 400 psi | 40 spm | 485 psi | 50 spm | 550 psi | | | | | | | | | | | | | |
| Pump 2: | | 30 spm | 415 psi | 40 spm | 480 psi | 50 spm | 550 psi | | | | | | | | | | | | | |
| Pump 3: | | 30 spm | 410 psi | 40 spm | 475 psi | 50 spm | 545 psi | | | | | | | | | | | | | |
| Hours on Casing/Liner: | | Rotating: | | / | Tripping: | | / | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | | | | | | | | |
| Mud Log Information | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | | Pore | | Mud | | Shale | | ROP | | | | |
| From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Dens. | Shale | Sand | | | | | | |
| 12,370 | 13,500 | 8,794 | 8,777 | 309.00 | 618.00 | 12892 | 706.00 | | | | 11.40 | | | | | | | | | |
| Formation Name: WOLFCAMP C | | | | | | | | | | | | | | | | | | | | |
| Lithology: 60% SHALE 40% LIMESTONE @ 13548 | | | | | | | | | | | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | | Top | Middle 1 | Middle 2 | Bottom | | | | | | | | | | | | | | | |
| Shaker No 1: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | |
| Shaker No 2: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | |
| Shaker No 3: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | |
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | | | | | | | | |
| Item Type | | Units | | Beginning | | Used | | Received | | On Hand | | Net | | | | | | | | |
| Fuel | | | | 7,582 | | 3,295 | | 7,198 | | 11,485 | | 3,903 | | | | | | | | |
| Mud | | | | 13,126 | | 4,722 | | | | 8,404 | | | | | | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | | | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | Time | | Description | | | | | | | | | | | | | | | | |
| Safety | | 30 | | ROUTINE OPERATIONS / HOUSE KEEPING | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | | Medical Treatments: | | | | Lost Time Incidents: | | | | Days Since LTI: | | | | 469 | | | | |
| <input type="checkbox"/> BOP Test | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 17

Report For 06:00 AM 10-Sep-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--|-------------------|------------|----------|-----------|-----------------|-----------|-----|
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | |
| Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 17


Report For 06:00 AM 10-Sep-23


Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|------------|---------------|------------|--------|-----------|-----------------|-----------|-----|
| DP/HAND TO | 5" DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |


Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY

Total Daily Rental Cost \$: 21,723.00

| | | | | | | | | | | | | | | | | | | | | |
|--|---|-----------------------------|--------------|-----------------------------|---|-----------------|--|-----------------|---------------|------------------------------|----------|-------|----|--------|-----|----------|-----|---------|-------|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | | |
| | Report No: 18 | | | | | | Report For 06:00 AM 11-Sep-23 | | | | | | | | | | | | | |
| | Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): / | | | | | | | | | | | | | |
| Measured Depth (ft): 15348 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): 8780 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 1,660 / 22.5 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): 73.78 | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 9.6 / 0, Flat 0 / 0, Complete 0 / 0, Total 9.6 / 0 | | | | | | | | DOL: 16 | | | | | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 Contractor: 11 / 144 Service: 7 / 96 Other: 2 / 24 Total: 22 / 288 | | | | | | | | | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 470 days since LTI. Conducted Crown Check, Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: DRILLING 8.75" LATERAL @ 15,348' | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: DRILL 8.75" | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORNE | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | | | | | | | | | |
| 6:00 | 7:30 | 1.50 | 13,742 | DRIL | ROTATE F/ 13,688' T/ 13,742' GPM 600 SPP 4400 DIFF 550 WOB 35 RPM 45 TQ 21K | | | | | | | | | | | | | | | |
| 7:30 | 8:00 | 0.50 | 13,742 | OTHER | CHANGE OUT SWABS IN #2 & #3 PUMPS | | | | | | | | | | | | | | | |
| 8:00 | 17:30 | 9.50 | 14,682 | DRIL | ROTATE F/ 13,742' T/ 14,682' | | | | | | | | | | | | | | | |
| 17:30 | 18:00 | 0.50 | 14,682 | SERV | RIG SERVICE | | | | | | | | | | | | | | | |
| 18:00 | 21:00 | 3.00 | 14,973 | DRIL | ROTATE F/ 14,682 T/ 14,973' GPM 900 SPP 4650 DIFF 750 WOB 35 RPM 45 TQ 23K | | | | | | | | | | | | | | | |
| 21:00 | 21:30 | 0.50 | 14,989 | DRIL | SLIDE F/ 14,973' T/ 14,989' GPM 600 SPP 4100 DIFF 200 WOB 45 TF 90L | | | | | | | | | | | | | | | |
| 21:30 | 1:00 | 3.50 | 15,179 | DRIL | ROTATE F/ 14,989' T/ 15,179' GPM 900 SPP 4650 DIFF 750 WOB 35 RPM 45 TQ 23K | | | | | | | | | | | | | | | |
| 1:00 | 1:30 | 0.50 | 15,189 | DRIL | SLIDE F/ 15,179' T/ 15,189' GPM 600 SPP 4100 DIFF 200 WOB 45 TF 160L | | | | | | | | | | | | | | | |
| 1:30 | 4:00 | 2.50 | 15,295 | DRIL | ROTATE F/ 15,189' T/ 15,295' GPM 900 SPP 4650 DIFF 750 WOB 35 RPM 45 TQ 23K | | | | | | | | | | | | | | | |
| 4:00 | 4:30 | 0.50 | 15,295 | OTHER | REPLACE MUD PUMP MODULE GASKETS AND VALVE SEATS | | | | | | | | | | | | | | | |
| 4:30 | 6:00 | 1.50 | 15,348 | DRIL | ROTATE F/ 15,295' T/ 15,348' GPM 900 SPP 4650 DIFF 750 WOB 35 RPM 45 TQ 23K | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 47,901.63 | 254,915.56 | 116,007.64 | 2,254,210.28 | 26.28% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 47,902.00 | 254,916.00 | 116,008.00 | 2,254,210.00 | 26.28% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | CI | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 10-Sep-23 09:00 at Depth 13,825 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 11.50 | 5.00 | 3.00 | 0.00 | 10 | 2 | | 10.7 | 61.5 | 16.5 | | | 38000 | | 265319 | 9 | 15 | 18 | | 44.00 | |
| 10-Sep-23 14:06 at Depth 14,805 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 11.70 | 5.40 | 2.00 | 1.00 | 10.8 | 2 | | 10.2 | 60.5 | 17 | | | 37000 | | 254448 | 9 | 14 | 17 | | 46.00 | |
| Mud Consumables | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | Qty. | Cost | Item Description | | | Qty. | Cost | | | | | | | | | | | |
| AES MUL X (GAL) - GALS | | | 150 | 2,227.50 | AES VIS LS (50) - 50#SK | | | 8 | 918.72 | | | | | | | | | | | |
| AES WA II (GAL) - 50#SK | | | 150 | 17,226.00 | BARITE BULK (100) - 100#SK | | | 450 | 5,827.50 | | | | | | | | | | | |
| CALL 2 (50) - 50#SK | | | 100 | 1,636.00 | ENGINEERING - EA | | | 1 | 950.00 | | | | | | | | | | | |
| ENGINEERING (DIEM) - EA | | | 1 | 50.00 | FLR PLUS (50) - 50#SK | | | 34 | 3,132.76 | | | | | | | | | | | |
| LIME (50) - 50#SK | | | 100 | 999.00 | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|---|-------|---|---------------|-------------|------------|----------------------|---------|------------------------------------|---------|-----------------|-------|-----------|------------|-------------------------------|--|-----------------|-----|--|--|-----------|--|--------|--|-----|--|--|--|
|  | | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | |
| | | Report No: 18 | | | | | | | | | | | | | | | Report For 06:00 AM 11-Sep-23 | | | | | | | | | | | | |
| | | Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Run | Make | Model | Diam | Depth In | This Run Dist | Hrs | R.O.P. Avg | | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | | | | | | | | | |
| 2 | 1 | ULTERRA SPL613 | 8.75 | 8284 | 7064 | 116 | 60.9 | 69.7 | 35.00 | 45 | 3000.00 | 12 | 600 | 4650 | 86 | 78 | 27 | 316 | | | | | | | | | | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | Out: | | Grade: | | Cutter: / | | Dull: / | | Wear: | | Brigs: | | Gge: | | Pull: | | | | | | | | | | | |
| Comments: 8.75 CURVE/LATERAL BIT BHA - No. 2 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3497.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | | | | | | | | | | | | | | | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | | | | | | | | | | | | | | | |
| 13,668 | 15,348 | 60.9 | 60.9 | 35.00 | 40.00 | 45 | 45 | 23,000. | 23,000. | 600.00 | 600.00 | 4,650.00 | | | | | | | | | | | | | | | | | |
| Annular Velocity: Drill Collars: | | | | 192.1 | | Drill Pipe: | | | | 285.2 | | | | | | | | | | | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | | | Off Bottom Rotate: | | | | Pick Up: | | | | Slack Off: | | | | Drag Avg/Max: 100000 / 100000 | | | | | | | | | | | | | |
| Slow Circulation Data: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump 1: | | 30 spm | | 400 psi | | 40 spm | | 485 psi | | 50 spm | | 550 psi | | | | | | | | | | | | | | | | | |
| Pump 2: | | 30 spm | | 415 psi | | 40 spm | | 480 psi | | 50 spm | | 550 psi | | | | | | | | | | | | | | | | | |
| Pump 3: | | 30 spm | | 410 psi | | 40 spm | | 475 psi | | 50 spm | | 545 psi | | | | | | | | | | | | | | | | | |
| Hours on Casing/Liner: | | | | Rotating: | | | | / | | | | Tripping: | | | | / | | | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | | | | | |
| Mud Log Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | | Pore | | Mud | | Shale | | ROP | | | | | | | | | | | | | |
| From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Dens. | Shale | Sand | | | | | | | | | | | | | | | |
| 14,346 | 15,259 | 8,776 | 8,776 | 275.00 | 625.00 | 13968 | 536.00 | | | | | 11.80 | | | | | | | | | | | | | | | | | |
| Formation Name: WOLFCAMP C Lithology: 80 % SHALE 20 % LIMESTONE @ 15259 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: Location Condition: Transport: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | | Top | | Middle 1 | | Middle 2 | | Bottom | | Equipment Usage (Hrs): | | | | | | | | | | | | | | | | | | | |
| Shaker No 1: | | 200 | | 200 | | 200 | | 200 | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 2: | | 200 | | 200 | | 200 | | 200 | | Centrifuge 1: 12 (Barite Recovery) | | | | | | | | | | | | | | | | | | | |
| Shaker No 3: | | 200 | | 200 | | 200 | | 200 | | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Type | | | | Units | | | | Beginning | | | | Used | | | | Received | | | | On Hand | | | | Net | | | | | |
| Fuel | | | | | | | | 11,485 | | | | 3,470 | | | | 3,100 | | | | 11,115 | | | | -370 | | | | | |
| Mud | | | | | | | | 8,404 | | | | 6,174 | | | | 4,210 | | | | 6,440 | | | | -1,964 | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP Size | | Joints | | Weight | | Grade | | Thread | | DP Size | | Joints | | Weight | | Grade | | Thread | | | | | | | | | | | |
| 5 | | 701 | | 19.50 | | S-135 | | OTHER | | | | | | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | | | Time | | | | Description | | | | | | | | | | | | | | | | | | | | | |
| Safety | | | | 30 | | | | ROUTINE OPERATION | | | | | | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | | Medical Treatments: | | | | Lost Time Incidents: | | | | Days Since LTI: | | | | 470 | | | | | | | | | | | | | |
| <input type="checkbox"/> BOP Test | | | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | | Description | | | | Serial No. | | | | Vendor | | | | Acct Code | | | | Today's Cost \$ | | | | Start | | | | End | | | |
| Port-a-let | | PORT O JOHNS | | | | | | | | H&S | | | | DRL-240 | | | | 20.00 | | | | 05-Aug-23 | | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumpster | | TRASH TRAILER | | | | | | | | H&S | | | | DRL-240 | | | | 25.00 | | | | 05-Aug-23 | | | | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H2S | | H2S SAFETY | | | | | | | | AMPRO | | | | DRL-240 | | | | 250.00 | | | | 05-Aug-23 | | | | | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Choke | | CHOKE AND FLARE | | | | | | | | PAYZONE | | | | DRL-240 | | | | 300.00 | | | | 05-Aug-23 | | | | | | | |

|  | | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | |
|--|-------------------|---|----------|-----------|--|-----------|-----|
| Report No: 18 | | Report For 06:00 AM 11-Sep-23 | | | | | |
| Rental Tools Information | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | |
| Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 21,723.00 | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 19

Report For 06:00 AM 12-Sep-23

| | | | | | | | | |
|-----------------------|---------------------|----------------|-----------------|-------------------------|-------------------|------------------------|----------|-----------------|
| Operator: | SEM OPERATING | Rig: | ICD 307 | Spud Date: | | Daily Cost / Mud (\$): | / | |
| Measured Depth (ft): | 16375 | Last Casing: | 9.63 at 8,269 | Wellbore: | Original Wellbore | AFE No. | AFE (\$) | Actual (\$) |
| Vertical Depth (ft): | 8789 | Next Casing: | 5.50 at 19,940 | RKB Elevation (ft): | 2662 | B24004 | | |
| Proposed TD (ft): | 19940 | Last BOP Test: | 07-Aug-23 | Job Reference RKB (ft): | | | | |
| Hole Made (ft) / Hrs: | 1,027 / 23.0 | Next BOP Test: | 18-Sep-23 | Working Interest: | 100% | Totals: | | |
| Average ROP (ft/hr): | 44.65 | | | | | Well Cost (\$): | | |
| Days (actual / plan): | Drilling 10.56 / 0, | Flat 0 / 0, | Complete 0 / 0, | Total 10.56 / 0 | | DOL: | 17 | |
| Pers/Hrs: | Operator: 2 / 24 | Contractor: | 11 / 144 | Service: | 7 / 96 | Other: | 2 / 24 | Total: 22 / 288 |

Safety Summary: No incidents or events reported. 471 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 8.75" LATERAL AT 16,375'

Planned Operations: DRILL 8.75" LATERAL

Toolpusher: JOHN OSBORNE

Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL

Engineer(s): Larry Gillette

Tel No.: 432-217-9511

| Operations Summary | | | | | | | | | |
|--------------------|-------|---------|------------|------|--|----------|--|--|--|
| From | To | Elapsed | End MD(ft) | Code | Operations Description | Non-Prod | | | |
| 6:00 | 6:30 | 0.50 | 15,353 | DRIL | SLIDE F/ 15,348' T/ 15,353' GPM 600 SPP 4500 DIFF 250 WOB 45 TF 160L | | | | |
| 6:30 | 9:30 | 3.00 | 15,535 | DRIL | ROTATE F/ 15,353' T/ 15,535' GPM 900 SPP 4800 DIFF 550 WOB 35 RPM 45 TQ 23K | | | | |
| 9:30 | 10:30 | 1.00 | 15,555 | DRIL | SLIDE F/ 15,535' T/ 15,555' GPM 600 SPP 4500 DIFF 250 WOB 45 TF 120L | | | | |
| 10:30 | 12:00 | 1.50 | 15,635 | DRIL | ROTATE F/ 15,555' T/ 15,635' GPM 900 SPP 4800 DIFF 550 WOB 35 RPM 45 TQ 23K | | | | |
| 12:00 | 13:00 | 1.00 | 15,660 | DRIL | SLIDE F/ 15,635' T/ 15,660' GPM 600 SPP 4500 DIFF 250 WOB 45 TF 130L | | | | |
| 13:00 | 13:30 | 0.50 | 15,718 | DRIL | ROTATE F/ 15,660' T/ 15,718' GPM 900 SPP 4800 DIFF 550 WOB 35 RPM 45 TQ 23K | | | | |
| 13:30 | 14:00 | 0.50 | 15,718 | DRIL | RIG SERVICE | | | | |
| 14:00 | 18:00 | 4.00 | 15,905 | DRIL | ROTATE F/ 15,718' T/ 15,905' GPM 900 SPP 4800 DIFF 550 WOB 35 RPM 45 TQ 23K | | | | |
| 18:00 | 18:30 | 0.50 | 15,915 | DRIL | ROTATE F/ 15,905' T/ 15,915' GPM 600 SPP 4800 DIFF 500 WOB 35/40 RPM 45 TQ 25K | | | | |
| 19:30 | 20:00 | 0.50 | 15,921 | DRIL | SLIDE F/ 15,915' T/ 15,921' GPM 600 SPP 4500 DIFF 250 WOB 45 TF 30R | | | | |
| 20:00 | 21:30 | 1.50 | 16,009 | DRIL | ROTATE F/ 15,921' T/ 16,009' GPM 600 SPP 4800 DIFF 500 WOB 35/40 RPM 45 TQ 23K | | | | |
| 21:30 | 22:00 | 0.50 | 16,020 | DRIL | SLIDE F/ 16,009' T/ 16,029' GPM 600 SPP 4500 DIFF 250 WOB 45 TF 20R | | | | |
| 22:00 | 23:30 | 1.50 | 16,103 | DRIL | ROTATE F/ 16,029' T/ 16,103' GPM 600 SPP 4800 DIFF 500 WOB 35/40 RPM 45 TQ 23K | | | | |
| 23:30 | 0:00 | 0.50 | 16,108 | DRIL | SLIDE F/ 16,103' T/ 16,108' GPM 600 SPP 4500 DIFF 250 WOB 45 TF 180 | | | | |
| 0:00 | 2:30 | 2.50 | 16,232 | DRIL | ROTATE F/ 16,108' T/ 16,232' GPM 600 SPP 4800 DIFF 500 WOB 35/40 RPM 45 TQ 23K | | | | |
| 2:30 | 3:00 | 0.50 | 16,240 | DRIL | SLIDE F/ 16,232' T/ 16,240' GPM 600 SPP 4500 DIFF 250 WOB 45 TF 180 | | | | |
| 3:00 | 6:00 | 3.00 | 16,375 | DRIL | ROTATE F/ 16,240' T/ 16,375' GPM 600 SPP 5000 DIFF 500 WOB 35/40 RPM 45 TQ 27K | | | | |

| Casing/Tubular Information | | | | | | | | | | |
|----------------------------|------------|-------------|--------------|----------------|-----------------|--------------|----------------|-----------------|---------------|---------------|
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | |


| Cost/AFE Information | | | | | | | |
|----------------------|---------------------------------|--------------|-----------|------------|-------------|--------------|---------|
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 54,861.50 | 309,777.06 | 111,944.50 | 2,366,154.78 | 27.58% |
| Totals \$: | | 8,578,755.00 | 54,862.00 | 309,777.00 | 111,945.00 | 2,366,155.00 | 27.58% |

| Mud Information | | | | | | | | | | | | | | | | | | | | |
|---|-------|------|------|-------|------|-------|--------|------|-------|------|-----|-------|----|--------|-----|----------|-----|---------|-------|----------|
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 11-Sep-23 09:00 at Depth 15,510 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 11.90 | 35.00 | 1.00 | 0.00 | 11 | 2 | | 12.5 | 61.5 | 16 | | | 35000 | | 255409 | 9 | 14 | 18 | | 44.00 | |
| 11-Sep-23 19:00 at Depth 15,917 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 12.10 | 34.00 | 0.00 | 0.00 | 10.8 | 2 | | 13.2 | 60.2 | 16.5 | | | 34000 | | 244211 | 9 | 14 | 18 | | 45.00 | |

Printed: 05:58 12-Sep-23

RIMBase 7.5.948.0

Page: 1 of 4

|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------------|----------------|-------------|---|---------------|---------------|-----------------|------------|-----------------|-------------|----------------|------|----------|------------|--|--------|-----|-----|--|--|--|--|--|-----------------|------------------|-------------|----------------|-------------|------------------------|---------------------|------------|-----------------|------------|-----------------|---|---------------------|-------|----------|------------|-------------------------|---------------------|----------------|-------|----------|--------------------------|---------|--------|------|----------|----------------------------|--------|--------|--------|----------|---------------------|--------|--------|---------|----------|-------------------------|--------|----------|-----|----------|------------------|--|--|---|--------|-------------------------|--|--|---|-------|-----------------------|--|--|----|----------|------------------|--|--|----|--------|---------------------|--|--|-----|----------|--------------------------|--|--|------|
| | Report No: 19 | | | | | | | | | | | | | | | Report For 06:00 AM 12-Sep-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Mud Consumables <table border="1"> <thead> <tr> <th colspan="3">Item Description</th> <th>Qty.</th> <th>Cost</th> <th colspan="3">Item Description</th> <th>Qty.</th> <th>Cost</th> </tr> </thead> <tbody> <tr> <td colspan="3">AES MUL X (GAL) - GALS</td> <td>165</td> <td>2,450.25</td> <td colspan="3">AES VIS LS (50) - 50#SK</td> <td>6</td> <td>689.04</td> </tr> <tr> <td colspan="3">AES WA II (GAL)50 - GALS</td> <td>200</td> <td>2,998.00</td> <td colspan="3">BARITE BULK (100) - 100#SK</td> <td>705</td> <td>9,129.75</td> </tr> <tr> <td colspan="3">CALL 2 (50) - 50#SK</td> <td>140</td> <td>2,290.40</td> <td colspan="3">CLAYTONE II (50) - SACK</td> <td>22</td> <td>2,525.82</td> </tr> <tr> <td colspan="3">ENGINEERING - EA</td> <td>1</td> <td>950.00</td> <td colspan="3">ENGINEERING (DIEM) - EA</td> <td>1</td> <td>50.00</td> </tr> <tr> <td colspan="3">FLR PLUS (50) - 50#SK</td> <td>12</td> <td>1,105.68</td> <td colspan="3">SHRINK WRAP - EA</td> <td>21</td> <td>315.00</td> </tr> <tr> <td colspan="3">TRUCKING (CWT) - EA</td> <td>729</td> <td>2,369.25</td> <td colspan="3">TRUCKING BULK (CWT) - EA</td> <td>1205</td> <td>4,518.75</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | Item Description | | | Qty. | Cost | Item Description | | | Qty. | Cost | AES MUL X (GAL) - GALS | | | 165 | 2,450.25 | AES VIS LS (50) - 50#SK | | | 6 | 689.04 | AES WA II (GAL)50 - GALS | | | 200 | 2,998.00 | BARITE BULK (100) - 100#SK | | | 705 | 9,129.75 | CALL 2 (50) - 50#SK | | | 140 | 2,290.40 | CLAYTONE II (50) - SACK | | | 22 | 2,525.82 | ENGINEERING - EA | | | 1 | 950.00 | ENGINEERING (DIEM) - EA | | | 1 | 50.00 | FLR PLUS (50) - 50#SK | | | 12 | 1,105.68 | SHRINK WRAP - EA | | | 21 | 315.00 | TRUCKING (CWT) - EA | | | 729 | 2,369.25 | TRUCKING BULK (CWT) - EA | | | 1205 |
| Item Description | | | Qty. | Cost | Item Description | | | Qty. | Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AES MUL X (GAL) - GALS | | | 165 | 2,450.25 | AES VIS LS (50) - 50#SK | | | 6 | 689.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AES WA II (GAL)50 - GALS | | | 200 | 2,998.00 | BARITE BULK (100) - 100#SK | | | 705 | 9,129.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CALL 2 (50) - 50#SK | | | 140 | 2,290.40 | CLAYTONE II (50) - SACK | | | 22 | 2,525.82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINEERING - EA | | | 1 | 950.00 | ENGINEERING (DIEM) - EA | | | 1 | 50.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FLR PLUS (50) - 50#SK | | | 12 | 1,105.68 | SHRINK WRAP - EA | | | 21 | 315.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TRUCKING (CWT) - EA | | | 729 | 2,369.25 | TRUCKING BULK (CWT) - EA | | | 1205 | 4,518.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bit/BHA/Workstring Information <table border="1"> <thead> <tr> <th colspan="2">No Run</th> <th>Make</th> <th>Model</th> <th>Diam</th> <th>Depth In</th> <th>This Run Dist</th> <th>R.O.P. Hrs</th> <th>Avg</th> <th>Max</th> <th>WOB</th> <th>RPM</th> <th>Torque</th> <th>Wt</th> <th>Mud Flow</th> <th>Pump Press</th> <th>J. Vel</th> <th>P. Drp</th> <th>HHP</th> <th>JIF</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>1</td> <td>ULTERRA</td> <td>SPL613</td> <td>8.75</td> <td>8284</td> <td>8091</td> <td>139</td> <td>58.2</td> <td>69.7</td> <td>40.00</td> <td>35</td> <td>000.00</td> <td>12</td> <td>600</td> <td>4800</td> <td>86</td> <td>80</td> <td>28</td> <td>324</td> </tr> </tbody> </table> <p> Jets: 18 18 18 18 18 18 18 18 18 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull: </p> <p>Comments: 8.75 CURVE/LATERAL BIT</p> <p>BHA - No. 2 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3497.18</p> | | | | | | | | | | | | | | | | | | | | | | | | | No Run | | Make | Model | Diam | Depth In | This Run Dist | R.O.P. Hrs | Avg | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | 2 | 1 | ULTERRA | SPL613 | 8.75 | 8284 | 8091 | 139 | 58.2 | 69.7 | 40.00 | 35 | 000.00 | 12 | 600 | 4800 | 86 | 80 | 28 | 324 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Run | | Make | Model | Diam | Depth In | This Run Dist | R.O.P. Hrs | Avg | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1 | ULTERRA | SPL613 | 8.75 | 8284 | 8091 | 139 | 58.2 | 69.7 | 40.00 | 35 | 000.00 | 12 | 600 | 4800 | 86 | 80 | 28 | 324 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters <table border="1"> <thead> <tr> <th colspan="2">Depth (ft)</th> <th colspan="2">ROP (ft/hr)</th> <th colspan="2">WOB (lbs)</th> <th colspan="2">RPM</th> <th colspan="2">Torque (ft lbs)</th> <th colspan="2">Flow (gals/min)</th> <th>Pressure (psi)</th> </tr> <tr> <th>From</th> <th>To</th> <th>Avg</th> <th>Max</th> <th>Avg</th> <th>Max</th> <th>Avg</th> <th>Max</th> <th>Avg</th> <th>Max</th> <th>Avg</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>15,348</td> <td>16,375</td> <td>58.2</td> <td>120.0</td> <td>35.00</td> <td>40.00</td> <td>45</td> <td>45</td> <td>23,000.</td> <td>23,000.</td> <td>600.00</td> <td>600.00</td> <td>4,800.00</td> </tr> </tbody> </table> <p> Annular Velocity: Drill Collars: 192.1 Drill Pipe: 285.2 </p> | | | | | | | | | | | | | | | | | | | | | | | | | Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | 15,348 | 16,375 | 58.2 | 120.0 | 35.00 | 40.00 | 45 | 45 | 23,000. | 23,000. | 600.00 | 600.00 | 4,800.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15,348 | 16,375 | 58.2 | 120.0 | 35.00 | 40.00 | 45 | 45 | 23,000. | 23,000. | 600.00 | 600.00 | 4,800.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Miscellaneous Drilling Parameters <p> Hook Loads (lbs): Off Bottom Rotate: 210,000.00 Pick Up: 320,000.00 Slack Off: 100,000.00 Drag Avg/Max: 90000 / 95000 </p> <p>Slow Circulation Data:</p> <table border="1"> <thead> <tr> <th></th> <th>Pump</th> <th>SPM</th> <th>Pressure (psi)</th> <th>Flow (gpm)</th> <th>Pressure (psi)</th> </tr> </thead> <tbody> <tr> <td>Pump 1:</td> <td>30</td> <td>400</td> <td>40</td> <td>485</td> <td>50</td> </tr> <tr> <td>Pump 2:</td> <td>30</td> <td>415</td> <td>40</td> <td>480</td> <td>50</td> </tr> <tr> <td>Pump 3:</td> <td>30</td> <td>410</td> <td>40</td> <td>475</td> <td>50</td> </tr> </tbody> </table> <p> Hours on Casing/Liner: Rotating: / Tripping: / <input checked="" type="checkbox"/> Wear Bushing Installed </p> | | | | | | | | | | | | | | | | | | | | | | | | | | Pump | SPM | Pressure (psi) | Flow (gpm) | Pressure (psi) | Pump 1: | 30 | 400 | 40 | 485 | 50 | Pump 2: | 30 | 415 | 40 | 480 | 50 | Pump 3: | 30 | 410 | 40 | 475 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Pump | SPM | Pressure (psi) | Flow (gpm) | Pressure (psi) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump 1: | 30 | 400 | 40 | 485 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump 2: | 30 | 415 | 40 | 480 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump 3: | 30 | 410 | 40 | 475 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mud Log Information <table border="1"> <thead> <tr> <th colspan="2">Depth (ft)</th> <th colspan="2">TVD (ft)</th> <th colspan="2">Gas (Units)</th> <th colspan="2">Gas</th> <th>Drilling Exp.</th> <th>Pore Press</th> <th>Mud Dens.</th> <th>Shale Dens.</th> <th colspan="2">ROP</th> </tr> <tr> <th>From</th> <th>To</th> <th>From</th> <th>To</th> <th>Avg</th> <th>Max</th> <th>at Depth</th> <th>Connect. Trip</th> <th></th> <th></th> <th></th> <th></th> <th>Shale</th> <th>Sand</th> </tr> </thead> <tbody> <tr> <td>15,664</td> <td>16,132</td> <td>8,776</td> <td>8,788</td> <td>314.00</td> <td>446.00</td> <td>15732</td> <td>458.00</td> <td></td> <td></td> <td>12.00</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p> Formation Name: WOLFCAMP C Lithology: 90% SHALE 10% LIMESTONE @ 16234 </p> | | | | | | | | | | | | | | | | | | | | | | | | | Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling Exp. | Pore Press | Mud Dens. | Shale Dens. | ROP | | From | To | From | To | Avg | Max | at Depth | Connect. Trip | | | | | Shale | Sand | 15,664 | 16,132 | 8,776 | 8,788 | 314.00 | 446.00 | 15732 | 458.00 | | | 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling Exp. | Pore Press | Mud Dens. | Shale Dens. | ROP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From | To | From | To | Avg | Max | at Depth | Connect. Trip | | | | | Shale | Sand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15,664 | 16,132 | 8,776 | 8,788 | 314.00 | 446.00 | 15732 | 458.00 | | | 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rig Information <p> Equipment Problems: Location Condition: Transport: </p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information <table border="1"> <thead> <tr> <th>Screen Sizes:</th> <th>Top</th> <th>Middle 1</th> <th>Middle 2</th> <th>Bottom</th> <th>Equipment Usage (Hrs):</th> </tr> </thead> <tbody> <tr> <td>Shaker No 1:</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td> <td rowspan="3">Centrifuge 1: 20 (Barite Recovery)</td> </tr> <tr> <td>Shaker No 2:</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td> </tr> <tr> <td>Shaker No 3:</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | Screen Sizes: | Top | Middle 1 | Middle 2 | Bottom | Equipment Usage (Hrs): | Shaker No 1: | 200 | 200 | 200 | 200 | Centrifuge 1: 20 (Barite Recovery) | Shaker No 2: | 200 | 200 | 200 | 200 | Shaker No 3: | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | Top | Middle 1 | Middle 2 | Bottom | Equipment Usage (Hrs): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 1: | 200 | 200 | 200 | 200 | Centrifuge 1: 20 (Barite Recovery) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 2: | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shaker No 3: | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bulk Inventory <p>Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD</p> <table border="1"> <thead> <tr> <th>Item Type</th> <th>Units</th> <th>Beginning</th> <th>Used</th> <th>Received</th> <th>On Hand</th> <th>Net</th> </tr> </thead> <tbody> <tr> <td>Fuel</td> <td></td> <td>11,115</td> <td>3,935</td> <td></td> <td>7,180</td> <td></td> </tr> <tr> <td>Mud</td> <td></td> <td>6,440</td> <td>5,037</td> <td>7,200</td> <td>8,603</td> <td>2,163</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | Item Type | Units | Beginning | Used | Received | On Hand | Net | Fuel | | 11,115 | 3,935 | | 7,180 | | Mud | | 6,440 | 5,037 | 7,200 | 8,603 | 2,163 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Item Type | Units | Beginning | Used | Received | On Hand | Net | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel | | 11,115 | 3,935 | | 7,180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mud | | 6,440 | 5,037 | 7,200 | 8,603 | 2,163 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drill Pipe Inventory <table border="1"> <thead> <tr> <th>DP Size</th> <th>Joints</th> <th>Weight</th> <th>Grade</th> <th>Thread</th> <th>DP Size</th> <th>Joints</th> <th>Weight</th> <th>Grade</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>701</td> <td>19.50</td> <td>S-135</td> <td>OTHER</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | | | | | | | | | DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Safety Information <table border="1"> <thead> <tr> <th>Meetings/Drills</th> <th>Time</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Safety</td> <td>30</td> <td>HOUSE KEEPING</td> </tr> </tbody> </table> <p> First Aid Treatments: Medical Treatments: Lost Time Incidents: Days Since LTI: 471 </p> <p> <input type="checkbox"/> BOP Test <input checked="" type="checkbox"/> Crownamatic Check </p> | | | | | | | | | | | | | | | | | | | | | | | | | Meetings/Drills | Time | Description | Safety | 30 | HOUSE KEEPING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | Time | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Safety | 30 | HOUSE KEEPING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|--|--|-------------------------------|----------|-----------|-----------------|-----------------------------------|-----|
|  | | Daily Drilling Report | | | | SEM | |
| | | Well ID: 42-383-41395 | | | | Well Name: University 9C 1209WC | |
| | | Field: TEXON | | | | Sect: 12 County: Reagan State: TX | |
| Report No: 19 | | Report For 06:00 AM 12-Sep-23 | | | | | |
| Rental Tools Information | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: | PORT O JOHNS\$20 A DAY | | | | | | |
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | |
| Notes: | TRASH TRAILER \$25 A DAY | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | |
| Notes: | H2S SAFETY \$250 A DAY | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | |
| Notes: | DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| Notes: | ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| Notes: | OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | |
| Notes: | FRAC TANKS X 9 X \$22 ADAY | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: | EDR \$700 A DAY | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: | MUD BUCKET \$85 A DAY | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: | SHAKER WASHERS X 2 \$40 A DAY | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: | SPOOLS AND VBRS \$350 A DAY | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: | TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| Notes: | WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: | CAMP FUEL TANK \$50 A DAY | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: | ROCKET SYSTEM \$500 A DAY | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: | MUD VAC \$90 A DAY | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: | FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| Notes: | MUD LOGGER \$1200 A DAY | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| Notes: | GEO STEERING \$1000 A DAY | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: | CROWN LIGHTS \$350 A DAY | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: | TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: | LIGHT PLANT \$20 A DAY | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: | FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: | \$4500 STANDBY, \$7275 WORKING | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: | FLOATING PUMPS X2 \$150 A DAY | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: | PRE MIX \$350 A DAY | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: | LIGHT PLANTS 2X \$50 A DAY | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 19


Report For 06:00 AM 12-Sep-23


Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|------------|---------------|------------|--------|-----------|-----------------|-----------|-----|
| DP/HAND TO | 5" DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |

Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY

Total Daily Rental Cost \$: 21,723.00

| | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------------|--------------|-----------------------------|---|-----------------|------------------------|-----------------|---------------|-----------------------|--|----------|----|--------|-----|----------|-----|---------|-------|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | Report No: 22 | | | | | | | | | | Report For 06:00 AM 15-Sep-23 | | | | | | | | | |
| | Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | | | | | | | | | | | | | |
| Measured Depth (ft): 19320 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): 8798 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 1,802 / 23.5 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): 76.68 | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 12.5 / 0, Flat 0 / 0, Complete 0 / 0, Total 12.5 / 0 | | | | | | | | | | | | DOL: 20 | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 2 / 24 | | Total: | | 22 / 288 | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 474 days since LTI. Conducted Crown Check, Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: DRILLING 8.75" LATERAL @ 19,320' | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: DRILL 8.75" LATERAL | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORNE | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | | Non-Prod | | | | | | | | |
| 6:00 | 6:30 | 0.50 | 17,533 | DRIL | SLIDE F/ 17,518' T/ 17,533' GPM 600 SPP 5200 DIFF 300 WOB 35 TF 45R | | | | | | | | | | | | | | | |
| 6:30 | 9:00 | 2.50 | 17,700 | DRIL | ROTATE F/ 17,533' T/ 17,700 GPM 600 SPP 5650 DIFF 450 WOB 30 RPM 40 TQ 23K | | | | | | | | | | | | | | | |
| 9:00 | 9:30 | 0.50 | 17,720 | DRIL | SLIDE F/ 17,700' T/ 17,720' GPM 600 SPP 5200 DIFF 300 WOB 35 TF 45R | | | | | | | | | | | | | | | |
| 9:30 | 13:00 | 3.50 | 18,077 | DRIL | ROTATE F/ 17,720' T/ 18,077 GPM 600 SPP 5650 DIFF 450 WOB 30 RPM 40 TQ 23K | | | | | | | | | | | | | | | |
| 13:00 | 14:00 | 1.00 | 18,092 | DRIL | SLIDE F/ 18,077' T/ 18,092' GPM 600 SPP 5200 DIFF 300 WOB 35 TF 90L | | | | | | | | | | | | | | | |
| 14:00 | 16:30 | 2.50 | 18,359 | DRIL | ROTATE F/ 18,092' T/ 18,359' GPM 600 SPP 5650 DIFF 450 WOB 30 RPM 40 TQ 23K | | | | | | | | | | | | | | | |
| 16:30 | 17:00 | 0.50 | 18,359 | SERV | RIG SERVICE | | | | | | | | | | | | | | | |
| 17:00 | 17:30 | 0.50 | 18,374 | DRIL | SLIDE F/ 18,359' T/ 18,374' GPM 600 SPP 5200 DIFF 300 WOB 35 TF 945L | | | | | | | | | | | | | | | |
| 17:30 | 18:00 | 0.50 | 18,411 | DRIL | ROTATE F/ 18,374' T/ 18,411' GPM 600 SPP 5750 DIFF 550 WOB 35 RPM 45 TQ 26K | | | | | | | | | | | | | | | |
| 18:00 | 21:00 | 3.00 | 18,735 | DRIL | ROTATE F/ 18,411' T/ 18,735' GPM 600 SPP 5750 DIFF 550 WOB 30 RPM 40 TQ 23K | | | | | | | | | | | | | | | |
| 21:00 | 22:00 | 1.00 | 18,754 | DRIL | SLIDE F/ 18,735' T/ 18,754' GPM 600 SPP 5200 DIFF 300 WOB 35 TF 110L | | | | | | | | | | | | | | | |
| 22:00 | 23:30 | 1.50 | 18,829 | DRIL | ROTATE F/ 18,754' T/ 18,829' GPM 600 SPP 5750 DIFF 550 WOB 30 RPM 40 TQ 26K | | | | | | | | | | | | | | | |
| 23:30 | 0:00 | 0.50 | 18,843 | DRIL | SLIDE F/ 18,829' T/ 18,843' GPM 600 SPP 5200 DIFF 300 WOB 35 TF 110L | | | | | | | | | | | | | | | |
| 0:00 | 4:30 | 4.50 | 19,206 | DRIL | ROTATE F/ 18,843' T/ 19,206' GPM 600 SPP 5750 DIFF 550 WOB 30 RPM 40 TQ 23K | | | | | | | | | | | | | | | |
| 4:30 | 5:00 | 0.50 | 19,211 | DRIL | SLIDE F/ 19,206' T/ 19,211' GPM 600 SPP 5200 DIFF 300 WOB 35 TF 110L | | | | | | | | | | | | | | | |
| 5:00 | 6:00 | 1.00 | 19,320 | DRIL | ROTATE F/ 19,211' T/ 19,320' GPM 600 SPP 5750 DIFF 550 WOB 30 RPM 40 TQ 23K | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 19,579.18 | 404,968.79 | 100,107.27 | 2,691,713.66 | 31.38% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 19,579.00 | 404,969.00 | 100,107.00 | 2,691,714.00 | 31.38% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | CI | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 14-Sep-23 10:00 at Depth 17,770 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 12.30 | 31.00 | 3.00 | 2.00 | 10.6 | 2 | | 14.2 | 60 | 16 | | | 33000 | | 244380 | 9 | 14 | 18 | | 36.00 | |
| 14-Sep-23 19:00 at Depth 18,505 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 12.50 | 30.00 | 4.00 | 2.00 | 1.4 | 2 | | 14.7 | 59 | 16 | | | 34000 | | 249935 | 10 | 15 | 19 | | 46.00 | |

| | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  | Daily Drilling Report | | | | | | | | | | | | | | | SEM | | | | |
| | Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | | | | | | Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | |
| | Report No: 22 | | | | | | | | | | | | | | | Report For 06:00 AM 15-Sep-23 | | | | |

| Mud Consumables | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|--|--|--|------|----------|--|--------------------------|--|--|--|--|------|----------|--|--|--|--|--|
| Item Description | | | | | Qty. | Cost | | Item Description | | | | | Qty. | Cost | | | | | |
| AES MUL X (GAL) - GALS | | | | | 100 | 1,485.00 | | AES VIS LS (50) - 50#SK | | | | | 2 | 229.68 | | | | | |
| BARIT SAC (BULK) - 100#SK | | | | | 181 | 2,830.84 | | CLAYTONE II (50) - SACK | | | | | 6 | 688.86 | | | | | |
| ENGINEERING - EA | | | | | 1 | 950.00 | | ENGINEERING (DIEM) - EA | | | | | 1 | 50.00 | | | | | |
| LIME (50) - 50#SK | | | | | 50 | 499.50 | | TRUCKING BULK (CWT) - EA | | | | | 386 | 1,447.50 | | | | | |

| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | |
|---|------|---------|--------|-------|----------|------------------|--------|---------|------|-------|--------|---------|------|-------|--------|--------|-----|-----|-----|--|
| | | | | Depth | This Run | | R.O.P. | | | | | | Mud | | Pump | | | | | |
| No Run | Make | Model | Diam | In | Dist | Hrs | Avg | Max | WOB | RPM | Torque | Wt | Flow | Press | J. Vel | P. Drp | HHP | JIF | | |
| 3 | 1 | ULTERRA | SPL613 | 8.75 | 17362 | 1958 | 27.5 | 71.2 | 71.2 | 40.00 | 45 | 3000.00 | 13 | 600 | 5750 | 86 | 83 | 29 | 334 | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | Out: | | Grade: Cutter: / | | Dull: / | | Wear: | | Brigs: | | Gge: | | Pull: | | | | |
| BHA - No. 3 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3497.18 | | | | | | | | | | | | | | | | | | | | |

| Drilling Parameters | | | | | | | | | | | | | | |
|----------------------------------|--------|-------------|------|-----------|-------|-------------|-----|-----------------|---------|-----------------|--------|----------------|-----|--|
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | |
| 17,518 | 19,320 | 71.2 | 71.2 | 35.00 | 40.00 | 45 | 45 | 26,000. | 23,000. | 600.00 | 584.00 | 5,750.00 | | |
| Annular Velocity: Drill Collars: | | | | 192.1 | | Drill Pipe: | | | | 285.2 | | | | |

| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | |
|-----------------------------------|--|--------------------|--|------------|--|-----------|--|------------|--|--|--|------------|--|-------------------------------|--|
| Hook Loads (lbs): | | Off Bottom Rotate: | | 200,000.00 | | Pick Up: | | 340,000.00 | | Slack Off: | | 100,000.00 | | Drag Avg/Max: 140000 / 140000 | |
| Slow Circulation Data: | | | | | | | | | | | | | | | |
| Pump 1: | | 30 spm | | 400 psi | | 40 spm | | 485 psi | | 50 spm | | 550 psi | | | |
| Pump 2: | | 30 spm | | 415 psi | | 40 spm | | 480 psi | | 50 spm | | 550 psi | | | |
| Pump 3: | | 30 spm | | 410 psi | | 40 spm | | 475 psi | | 50 spm | | 545 psi | | | |
| Hours on Casing/Liner: | | Rotating: | | / | | Tripping: | | / | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | |

| Mud Log Information | | | | | | | | | | | | | | | | | |
|--|--------|----------|-------|-------------|--------|----------|----------|----------|------|-------|-------|-------|-------|-------|--|-----|--|
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | | Pore | | Mud | | Shale | | ROP | |
| From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Dens. | Shale | Sand | | | |
| 18,106 | 19,102 | 8,794 | 8,798 | 450.00 | 891.00 | 17960 | 891.00 | | | | 12.50 | | | | | | |
| Formation Name: WOLFCAMP C | | | | | | | | | | | | | | | | | |
| Lithology: 70% SHALE 30% LIMESTONE @ 19,102' | | | | | | | | | | | | | | | | | |

| Rig Information | | | | | | | | | | | | | | |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Equipment Problems: | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | |

| Solids Control Information | | | | | | | | | | | | | | |
|----------------------------|--|-----|----------|----------|--------|------------------------------------|--|--|--|--|--|--|--|--|
| Screen Sizes: | | Top | Middle 1 | Middle 2 | Bottom | Equipment Usage (Hrs): | | | | | | | | |
| Shaker No 1: | | 200 | 200 | 200 | 200 | | | | | | | | | |
| Shaker No 2: | | 200 | 200 | 200 | 200 | Centrifuge 1: 10 (Barite Recovery) | | | | | | | | |
| Shaker No 3: | | 200 | 200 | 200 | 200 | | | | | | | | | |

| Bulk Inventory | | | | | | | | | | | | | | |
|---|--|-------|--|-----------|--|-------|--|----------|--|---------|--|------|--|--|
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | | |
| Item Type | | Units | | Beginning | | Used | | Received | | On Hand | | Net | | |
| Fuel | | | | 8,785 | | 4,300 | | 4,101 | | 8,586 | | -199 | | |
| Mud | | | | 14,951 | | 3,273 | | 3,100 | | 14,778 | | -173 | | |

| Drill Pipe Inventory | | | | | | | | | | | | | | |
|----------------------|--------|--------|-------|--------|---------|--------|--------|-------|--------|--|--|--|--|--|
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | |

| Safety Information | | | | | | | | | | | | | | |
|-----------------------------------|--|---|--|-----------------------------|--|--|--|----------------------|--|--|--|---------------------|--|--|
| Meetings/Drills | | Time | | Description | | | | | | | | | | |
| Safety | | 30 | | ROUTINE DRILLING OPERATIONS | | | | | | | | | | |
| First Aid Treatments: | | | | Medical Treatments: | | | | Lost Time Incidents: | | | | Days Since LTI: 474 | | |
| <input type="checkbox"/> BOP Test | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | |

| Rental Tools Information | | | | | | | | | | | | | | |
|-------------------------------|--------------|------------|--------|-----------|-----------------|-----------|-----|--|--|--|--|--|--|--|
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End | | | | | | | |
| Port-a-let | PORT O JOHNS | | H&S | DRL-240 | 20.00 | 05-Aug-23 | | | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 22

Report For 06:00 AM 15-Sep-23

Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|--------------|--|------------|----------|-----------|-----------------|-----------|-----|
| Dumpster | TRASH TRAILER | | H&S | DRL-240 | 25.00 | 05-Aug-23 | |
| | Notes: TRASH TRAILER \$25 A DAY | | | | | | |
| H2S | H2S SAFETY | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | |
| | Notes: H2S SAFETY \$250 A DAY | | | | | | |
| Choke | CHOKE AND FLARE | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | |
| | Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| | Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| | Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | |
| | Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| | Notes: EDR \$700 A DAY | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| | Notes: MUD BUCKET \$85 A DAY | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| | Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| | Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| | Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| | Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| | Notes: CAMP FUEL TANK \$50 A DAY | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| | Notes: ROCKET SYSTEM \$500 A DAY | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| | Notes: MUD VAC \$90 A DAY | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| | Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| | Notes: MUD LOGGER \$1200 A DAY | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| | Notes: GEO STEERING \$1000 A DAY | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| | Notes: CROWN LIGHTS \$350 A DAY | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| | Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| | Notes: LIGHT PLANT \$20 A DAY | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| | Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| | Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| | Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| | Notes: PRE MIX \$350 A DAY | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| | Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| | Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC


Sect: 12 County: Reagan State: TX

Report No: 22

Report For 06:00 AM 15-Sep-23


Rental Tools Information

| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
|-----------------------------|-------------|------------|--------|-----------|--------------------|-------|-----|
| Total Daily Rental Cost \$: | | | | | 21,723.00 | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------------|--------------|-----------------------------|---|----------------------------|--------------------------|-----------------|---------------|-----------------------|--|----------------|----------|------------|--------|----------|-----|---------|-------|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | Report No: 23 | | | | | | | | | | Report For 06:00 AM 16-Sep-23 | | | | | | | | | |
| | Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): / | | | | | | | | | | | | | |
| Measured Depth (ft): 19477 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): 8797 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 157 / 7.0 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): 22.43 | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 12.79 / 0, Flat 0 / 0, Complete 0 / 0, Total 12.79 / 0 | | | | | | | | | | DOL: 21 | | | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 2 / 24 | | Total: 22 / 288 | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 475 days since LTI. Conducted Crown Check, Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: TRIP IN WITH BIT # 4 | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: TRIP IN - DRILL 8.75" LATERAL | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORNE | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | | | | | | | | | |
| 6:00 | 13:00 | 7.00 | 19,477 | DRIL | ROTATE F/ 19,320' T/ 19,477' GPM 600 SPP 5750 DIFF 550 WOB 30 RPM 40 TQ 23K | | | | | | | | | | | | | | | |
| 13:00 | 18:00 | 5.00 | 19,477 | CIRC | BIT QUIT DRILLING CIR. HOLE CLEAN | | | | | | | | | | | | | | | |
| 18:00 | 19:00 | 1.00 | 19,477 | CIRC | CIRC CLEAN HOLE FOR BIT TRIP | | | | | | | | | | | | | | | |
| 19:00 | 23:00 | 4.00 | 19,477 | TRPO | TRIP OUT FOR BIT AND MOTOR CHANGE T/ 8,200' | | | | | | | | | | | | | | | |
| 23:00 | 0:00 | 1.00 | 19,477 | INSTAL | PULL ROTATING HEAD INSTALL TRIP NIPPLE | | | | | | | | | | | | | | | |
| 0:00 | 3:00 | 3.00 | 19,477 | TRPO | TRIP OUT T/ BHA 98' | | | | | | | | | | | | | | | |
| 3:00 | 4:00 | 1.00 | 19,477 | BHAOP | L/D NMDC DRAIN MOTOR BREAK BIT L/D MWD AND MOTOR | | | | | | | | | | | | | | | |
| 4:00 | 5:00 | 1.00 | 19,477 | BHAOP | P/U BIT, MOTOR SCRIBE INSTALL MWD | | | | | | | | | | | | | | | |
| 5:00 | 6:00 | 1.00 | 19,477 | TRPI | TRIP IN WITH BIT # 4 | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 18,739.52 | 423,708.31 | 104,139.12 | 2,795,852.78 | 32.59% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 18,740.00 | 423,708.00 | 104,139.00 | 2,795,853.00 | 32.59% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 15-Sep-23 10:00 at Depth 19,424 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 12.70 | 37.00 | 5.00 | 4.00 | 10 | 2 | | 15.2 | 57.5 | 16.5 | | | 35000 | | 249601 | 11 | 17 | 21 | | 46.00 | |
| 15-Sep-23 19:00 at Depth 19,477 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 12.90 | 34.00 | 3.00 | 4.00 | 10.2 | 2 | | 15.8 | 56.2 | 17 | | | 36000 | | 249286 | 10 | 15 | 19 | | | |
| Mud Consumables | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | | Qty. | Cost | Item Description | | | | Qty. | Cost | | | | | | | | | |
| AES MUL X (GAL) - GALS | | | | 75 | 1,113.75 | AES VIS LS (50) - 50#SK | | | | 1 | 114.84 | | | | | | | | | |
| AES WA II (GAL)50 - GALS | | | | 125 | 1,873.75 | BARITE BULK (100) - 100#SK | | | | 843 | 10,916.85 | | | | | | | | | |
| CALL 2 (50) - 50#SK | | | | 44 | 719.84 | CLAYTONE II (50) - SACK | | | | 7 | 803.67 | | | | | | | | | |
| ENGINEERING - EA | | | | 1 | 950.00 | ENGINEERING (DIEM) - EA | | | | 1 | 50.00 | | | | | | | | | |
| FLR PLUS (50) - 50#SK | | | | 13 | 1,197.82 | LIME (50) - 50#SK | | | | 100 | 999.00 | | | | | | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | |
| No Run | Make | Model | Diam | Depth In | This Run Dist | Hrs | R.O.P. Avg | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | |
| 3 | 1 | ULTERRA SPL613 | 8.75 | 17362 | 2115 | 34.5 | 61.3 | 7.2 | 38.00 | 45 | 3000.00 | 13 | 600 | 5750 | 86 | 84 | 29 | 340 | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | Out: 19477 | Grade: Cutter: 5/8 | | | | Dull: LT/LT | Wear: G | | Brgs: Gge: 1.5 | Pull: PR | | | | | | | |
| BHA - No. 4 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3495.33 | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|--|---|---|----------|-----------------------------|---------|-----------------|----------|-----------------|---------|--|--|-------------------------------|----------------|--|
| | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | |
| | Report No: 23 | | | | | | | | | | Report For 06:00 AM 16-Sep-23 | | | |
| | Drilling Parameters | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | | |
| 19,320 | 19,477 | 61.3 | 61.3 | 38.00 | 38.00 | 45 | 45 | 23,000. | 23,000. | 600.00 | 600.00 | | 3,750.00 | |
| Annular Velocity: | | Drill Collars: | | 192.1 | | Drill Pipe: | | 285.2 | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | Off Bottom Rotate: | | 200,000.00 | | Pick Up: | | 350,000.00 | | Slack Off: | | 100,000.00 | | |
| | | | | | | | | | | | | Drag Avg/Max: 150000 / 150000 | | |
| Slow Circulation Data: | | | | | | | | | | | | | | |
| Pump 1: | | 30 spm | | 400 psi | | 40 spm | | 485 psi | | 50 spm | | 550 psi | | |
| Pump 2: | | 30 spm | | 415 psi | | 40 spm | | 480 psi | | 50 spm | | 550 psi | | |
| Pump 3: | | 30 spm | | 410 psi | | 40 spm | | 475 psi | | 50 spm | | 545 psi | | |
| Hours on Casing/Liner: | | Rotating: | | / | | Tripping: | | / | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | |
| Mud Log Information | | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | | Pore | | Mud | | |
| From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Shale Dens. | ROP Shale Sand | |
| 19,320 | 19,422 | 8,798 | 8,797 | 190.00 | 619.00 | 19222 | 542.00 | | | | 12.80 | | | |
| Formation Name: WOLFCAMP C | | | | | | | | | | | | | | |
| Lithology: 70% SHALE 30% LIMESTONE @ 19477 | | | | | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | |
| Screen Sizes: | | Top | Middle 1 | Middle 2 | Bottom | | | | | | | | | |
| Shaker No 1: | | 200 | 200 | 200 | 200 | | | | | | | | | |
| Shaker No 2: | | 200 | 200 | 200 | 200 | | | | | | | | | |
| Shaker No 3: | | 200 | 200 | 200 | 200 | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | |
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | | |
| Item Type | | Units | | Beginning | | Used | | Received | | On Hand | | Net | | |
| Fuel | | | | 8,586 | | 3,736 | | 7,201 | | 12,051 | | 3,465 | | |
| Mud | | | | 14,778 | | 179 | | | | 14,599 | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | |
| Meetings/Drills | | Time | | Description | | | | | | | | | | |
| Safety | | 30 | | HOUSE KEEPING TRIPPING PIPE | | | | | | | | | | |
| First Aid Treatments: | | Medical Treatments: | | Lost Time Incidents: | | Days Since LTI: | | 475 | | | | | | |
| <input type="checkbox"/> BOP Test | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | | |
| Type | Description | Serial No. | | Vendor | | Acct Code | | Today's Cost \$ | | Start | | End | | |
| Port-a-let | PORT O JOHNS | | | H&S | | DRL-240 | | 20.00 | | 05-Aug-23 | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | |
| Dumpster | TRASH TRAILER | | | H&S | | DRL-240 | | 25.00 | | 05-Aug-23 | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | | |
| H2S | H2S SAFETY | | | AMPRO | | DRL-240 | | 250.00 | | 05-Aug-23 | | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | | | | | | |
| Choke | CHOKE AND FLARE | | | PAYZONE | | DRL-240 | | 300.00 | | 05-Aug-23 | | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | | CUTTER | | DRL-240 | | 200.00 | | 05-Aug-23 | | | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | | | | | | |
| Trailer | OFFICE AND COMMS | | | TREND | | DRL-240 | | 1,880.00 | | 05-Aug-23 | | | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | | | | | | | |
| Frac Tanks | FRAC TANKS | | | THORPE | | DRL-245 | | 198.00 | | 05-Aug-23 | | | | |
| Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | | | | | | | | | |

| | | | | | | | |
|--|-------------------|-------------------------------|----------|-----------|-----------------|-----------------------------------|-----|
|  | | Daily Drilling Report | | | | SEM | |
| | | Well ID: 42-383-41395 | | | | Well Name: University 9C 1209WC | |
| | | Field: TEXON | | | | Sect: 12 County: Reagan State: TX | |
| Report No: 23 | | Report For 06:00 AM 16-Sep-23 | | | | | |
| Rental Tools Information | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: EDR \$700 A DAY | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: MUD VAC \$90 A DAY | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: PRE MIX \$350 A DAY | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 21,723.00 | | |



Daily Drilling Report

Well ID: 42-383-41395

Field: TEXON

SEM

Well Name: University 9C 1209WC

Sect: 12 County: Reagan State: TX

Report No: 24

Report For 06:00 AM 17-Sep-23

| | | | | | | | |
|---|--|-----------------------------|--|-----------------------------|--|------------------------------|---------|
| Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | |
| Measured Depth (ft): 19570 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. AFE (\$) Actual (\$) | |
| Vertical Depth (ft): 8797 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | B24004 | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | |
| Hole Made (ft) / Hrs: 93 / 4.5 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | |
| Average ROP (ft/hr): 20.67 | | | | | | Well Cost (\$): | |
| Days (actual / plan): Drilling 12.98 / 0, Flat 0 / 0, Complete 0 / 0, Total 12.98 / 0 | | | | | | | DOL: 22 |
| Pers/Hrs: Operator: 0 / 0 | | Contractor: 0 / 0 | | Service: 0 / 0 | | Other: 0 / 0 Total: 0 / 0 | |

Safety Summary: No incidents or events reported. 476 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 8.75 LATERAL @ 19,570'

Planned Operations: DRILL 8.75 LATERAL

Toolpusher: JOHN OSBORNE

Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL Tel No.: 432-217-9511

Engineer(s): Larry Gillette

| Operations Summary | | | | | | | |
|--------------------|-------|---------|------------|--------|--|----------|---|
| From | To | Elapsed | End MD(ft) | Code | Operations Description | Non-Prod | |
| 6:00 | 8:00 | 2.00 | 19,477 | TRPI | TRIP IN THE HOLE F/ 3500' TO 8197' | | |
| 8:00 | 8:30 | 0.50 | 19,477 | INSTAL | INSTALL ROTATING HEAD | | |
| 8:30 | 9:30 | 1.00 | 19,477 | CUTDL | SLIP & CUT DRILL LINE | | |
| 9:30 | 15:30 | 6.00 | 19,477 | TRPI | TRIP IN THE HOLE F/ 8197' TO 18500' | | |
| 15:30 | 17:30 | 2.00 | 19,477 | WASH | WASH AND REAM FRM17,450' T/ 18,067' GPM 550 SPP 5100 DIFF 250 WOB 0/20 RPM 450TQ15K | | |
| 17:30 | 18:00 | 0.50 | 19,477 | SERV | RIG SERVICE CHANGE SWIVEL PACKING | | |
| 18:00 | 20:00 | 2.00 | 19,477 | WASH | WASH AND REAM F/ 18,067' T/ 19,196' GPM 550 SPP 5100 DIFF 250 WOB 0/20 RPM 450TQ15K | | |
| 20:00 | 23:00 | 3.00 | 19,477 | OTHER | REPLACE SWIVEL PACKING | | X |
| 23:00 | 0:30 | 1.50 | 19,477 | WASH | WASH AND REAM F/ 19,196' GPM 550 SPP 5100 DIFF 250 WOB 0/20 RPM 45 TQ15K RELOG F/ 19,277' T/ 19,477' 200" | | |
| 0:30 | 1:00 | 0.50 | 19,487 | DRIL | ROTATE F/ 19,477' T/ 19,487' GPM 550 SPP 5300 DIFF 400 WOB 38 RPM 45 TQ 26K | | |
| 1:00 | 3:00 | 2.00 | 19,498 | DRIL | SLIDE F/ 19,487' T/ 19,498' GPM 550 SPP 500 DIFF 250 WOB 35 | | |
| 3:00 | 4:00 | 1.00 | 19,498 | OTHER | CHANGE OUT WASH PIPE CARTRIDGE | | X |
| 4:00 | 6:00 | 2.00 | 19,570 | DRIL | ROTATE F/ 19,498' T/ 19570 GPM 550 SPP 5300 DIFF 400 WOB 38 RPM 45 TQ 26K | | |

| Casing/Tubular Information | | | | | | | | | | |
|----------------------------|------------|-------------|--------------|----------------|-----------------|--------------|----------------|-----------------|---------------|---------------|
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | |

| Cost/AFE Information | | | | | | | |
|----------------------|---------------------------------|--------------|-----------|------------|-------------|--------------|---------|
| AFE No | AFE Description | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent |
| B24004 | Drill and complete a 10,400' WC | 8,578,755.00 | 7,206.80 | 430,915.11 | 62,589.80 | 2,858,442.58 | 33.32% |
| Totals \$: | | 8,578,755.00 | 7,207.00 | 430,915.00 | 62,590.00 | 2,858,443.00 | 33.32% |


| Mud Information | | | | | | | | | | | | | | | | | | | | |
|---|-------|------|------|-------|------|-------|--------|------|-------|------|-----|-------|----|--------|-----|------|-----|-----|-----|------|
| % | | | | | | | | | | | | | | Gels | | Temp | | Mud | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | 10m | 30m | In | Out | Loss |
| 16-Sep-23 19:00 at Depth 19,477 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 13.00 | 34.00 | 3.00 | 4.00 | 10.2 | 2 | | 16.4 | 55.5 | 17.5 | | | 34000 | | 233515 | 10 | 16 | 20 | | | |

| Mud Consumables | | | | | |
|----------------------------|--|------|----------|--------------------------|--|
| Item Description | | Qty. | Cost | Item Description | |
| BARITE BULK (100) - 100#SK | | 479 | 6,203.05 | ENGINEERING - EA | |
| ENGINEERING (DIEM) - EA | | 1 | 50.00 | TRUCKING BULK (CWT) - EA | |


Printed: 06:03 17-Sep-23


RIMBase 7.5.948.0

Page: 1 of 3

| | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------|---|----------|---------------------|----------|---------------|----------|----------------------|-----------|--|---------|-----------------|--------|-------------------------------|----------|------------|-------------------------------|--------|-----------------------------------|-----|-----|
|  | | Daily Drilling Report | | | | | | | | | | | | | | | SEM | | | | |
| | | Well ID: 42-383-41395 | | | | | | | | | | | | | | | | | Well Name: University 9C 1209WC | | |
| | | Field: TEXON | | | | | | | | | | | | | | | | | Sect: 12 County: Reagan State: TX | | |
| Report No: 24 | | | | | | | | | | | | | | | | | Report For 06:00 AM 17-Sep-23 | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | | |
| No Run | | Make | Model | Diam | Depth In | This Run Dist | | R.O.P. Hrs Avg | | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | | J. Vel | P. Drp | HHP | JIF |
| 4 | 1 | ULTERRA | SPL613 | 8.75 | 19477 | 93 | 4.5 | 20.7 | 20.7 | 35.00 | 45 | 3000.00 | 13 | 550 | 5300 | 79 | 71 | 23 | 285 | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | | Out: | | Grade: | | Cutter: / | | Dull: / | | Wear: | | Brgs: | | Gge: | | Pull: | | |
| BHA - No. 4 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3495.33 | | | | | | | | | | | | | | | | | | | | | |
| Drilling Parameters | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | | | | | | | | | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | | | | | | | |
| 19,477 | 19,570 | 20.7 | 20.7 | 35.00 | 35.00 | 45 | 45 | 26,000. | 26,000. | 550.00 | 550.00 | 5,300.00 | | | | | | | | | |
| Annular Velocity: | | | | Drill Collars: | | 176.1 | | Drill Pipe: | | | | 261.4 | | | | | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | | | | | | | | | |
| Hook Loads (lbs): | | Off Bottom Rotate: | | 200,000.00 | | Pick Up: | | 350,000.00 | | Slack Off: | | 150,000.00 | | Drag Avg/Max: 150000 / 150000 | | | | | | | |
| Slow Circulation Data: | | | | | | | | | | | | | | | | | | | | | |
| Pump 1: | | 30 spm | | 400 psi | | 40 spm | | 485 psi | | 50 spm | | 550 psi | | | | | | | | | |
| Pump 2: | | 30 spm | | 415 psi | | 40 spm | | 480 psi | | 50 spm | | 550 psi | | | | | | | | | |
| Pump 3: | | 30 spm | | 410 psi | | 40 spm | | 475 psi | | 50 spm | | 545 psi | | | | | | | | | |
| Hours on Casing/Liner: | | Rotating: | | / | | Tripping: | | / | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | | | | | | | | | |
| Mud Log Information | | | | | | | | | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | | Pore | | Mud | | Shale | | ROP | | | | | |
| From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Dens. | Shale | Sand | | | | | | | |
| 19,422 | 19,498 | 8,797 | 8,793 | 303.00 | 427.00 | 19480 | | | | 12.90 | | | | | | | | | | | |
| Formation Name: WOLFCAMP C | | | | | | | | | | | | | | | | | | | | | |
| Lithology: 70% SHALE 30% LIMESTONE @ 19494 | | | | | | | | | | | | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | | | | | | | | | |
| Screen Sizes: | | Top | Middle 1 | Middle 2 | Bottom | | | | | | | | | | | | | | | | |
| Shaker No 1: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | |
| Shaker No 2: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | |
| Shaker No 3: | | 200 | 200 | 200 | 200 | | | | | | | | | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | | | | | | | | | |
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | | | | | | | | | |
| Item Type | | Units | | Beginning | | Used | | Received | | On Hand | | Net | | | | | | | | | |
| Fuel | | | | 12,051 | | 1,704 | | | | 10,347 | | | | | | | | | | | |
| Mud | | | | 14,599 | | 360 | | | | 14,239 | | | | | | | | | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | | | | | | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | | | | | | | | | |
| Meetings/Drills | | Time | | Description | | | | | | | | | | | | | | | | | |
| Safety | | 30 | | TRIPPING PIPE | | | | | | | | | | | | | | | | | |
| First Aid Treatments: | | | | Medical Treatments: | | | | Lost Time Incidents: | | | | Days Since LTI: | | | | 476 | | | | | |
| <input type="checkbox"/> BOP Test | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | | | | | | | | | |
| Type | Description | Serial No. | | Vendor | | Acct Code | | Today's Cost \$ | | Start | | End | | | | | | | | | |
| Port-a-let | PORT O JOHNS | | | H&S | | DRL-240 | | 20.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Dumpster | TRASH TRAILER | | | H&S | | DRL-240 | | 25.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | | | | | | | | | |
| H2S | H2S SAFETY | | | AMPRO | | DRL-240 | | 250.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | | | | | | | | | | | | | |
| Choke | CHOKE AND FLARE | | | PAYZONE | | DRL-240 | | 300.00 | | 05-Aug-23 | | | | | | | | | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | | | | | | | | | | | | | |

|  | | Daily Drilling Report | | | SEM | | |
|--|--|-------------------------------|----------|-----------|-----------------------------------|-----------|-----|
| | | Well ID: 42-383-41395 | | | Well Name: University 9C 1209WC | | |
| | | Field: TEXON | | | Sect: 12 County: Reagan State: TX | | |
| Report No: 24 | | Report For 06:00 AM 17-Sep-23 | | | | | |
| Rental Tools Information | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End |
| Rotating Hd. | ROTATING HEAD | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | |
| Notes: | ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | |
| Trailer | OFFICE AND COMMS | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | |
| Notes: | OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | |
| Frac Tanks | FRAC TANKS | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | |
| Notes: | FRAC TANKS X 9 X \$22 ADAY | | | | | | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | |
| Notes: | EDR \$700 A DAY | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | |
| Notes: | MUD BUCKET \$85 A DAY | | | | | | |
| Steam Clean | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | |
| Notes: | SHAKER WASHERS X 2 \$40 A DAY | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: | SPOOLS AND VBRS \$350 A DAY | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: | TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | |
| Notes: | WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | |
| Notes: | CAMP FUEL TANK \$50 A DAY | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: | ROCKET SYSTEM \$500 A DAY | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | |
| Notes: | MUD VAC \$90 A DAY | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | |
| Notes: | FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | |
| Notes: | MUD LOGGER \$1200 A DAY | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | |
| Notes: | GEO STEERING \$1000 A DAY | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | |
| Notes: | CROWN LIGHTS \$350 A DAY | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | |
| Notes: | TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | |
| Notes: | LIGHT PLANT \$20 A DAY | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | |
| Notes: | FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | |
| Notes: | \$4500 STANDBY, \$7275 WORKING | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | |
| Notes: | FLOATING PUMPS X2 \$150 A DAY | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | |
| Notes: | PRE MIX \$350 A DAY | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | |
| Notes: | LIGHT PLANTS 2X \$50 A DAY | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | |
| Notes: | 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | |
| Total Daily Rental Cost \$: | | | | | 21,723.00 | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------------|--------------|-----------------------------|---|-----------------|------------------------|-----------------|---------------|-----------------------|--|-------|----------|------------|--------|----------|-----|---------|-------|----------|
|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | | | | | | | |
| | Report No: 25 | | | | | | | | | | Report For 06:00 AM 18-Sep-23 | | | | | | | | | |
| | Operator: SEM OPERATING | | Rig: ICD 307 | | Spud Date: | | Daily Cost / Mud (\$): | | | | | | | | | | | | | |
| Measured Depth (ft): 20057 | | Last Casing: 9.63 at 8,269 | | Wellbore: Original Wellbore | | AFE No. B24004 | | AFE (\$) | | Actual (\$) | | | | | | | | | | |
| Vertical Depth (ft): 8782 | | Next Casing: 5.50 at 19,940 | | RKB Elevation (ft): 2662 | | | | | | | | | | | | | | | | |
| Proposed TD (ft): 19940 | | Last BOP Test: 07-Aug-23 | | Job Reference RKB (ft): | | | | | | | | | | | | | | | | |
| Hole Made (ft) / Hrs: 487 / 12.0 | | Next BOP Test: 18-Sep-23 | | Working Interest: 100% | | Totals: | | | | | | | | | | | | | | |
| Average ROP (ft/hr): 40.58 | | | | | | Well Cost (\$): | | | | | | | | | | | | | | |
| Days (actual / plan): Drilling 13.48 / 0, Flat 0 / 0, Complete 0 / 0, Total 13.48 / 0 | | | | | | | | | | DOL: 23 | | | | | | | | | | |
| Pers/Hrs: Operator: 2 / 24 | | Contractor: 11 / 144 | | Service: 7 / 96 | | Other: 2 / 24 | | Total: 22 / 288 | | | | | | | | | | | | |
| Safety Summary: No incidents or events reported. 477 days since LTI. Conducted Crown Check, Safety Meeting. | | | | | | | | | | | | | | | | | | | | |
| Current Operations: CIRCULATE CONDITION HOLE @ 9,515' | | | | | | | | | | | | | | | | | | | | |
| Planned Operations: CIRC, R/U AND RUN 5 1/2" CASING | | | | | | | | | | | | | | | | | | | | |
| Toolpusher: JOHN OSBORNE | | | | | | | | | | | | | | | | | | | | |
| Wellsite Supervisors: JR WRIGHT, CLYDE KINSEL | | | | | | | | | | Tel No.: 432-217-9511 | | | | | | | | | | |
| Engineer(s): Larry Gillette | | | | | | | | | | | | | | | | | | | | |
| Operations Summary | | | | | | | | | | | | | | | | | | | | |
| From | To | Elapsed | End MD(ft) | Code | Operations Description | | | | | | Non-Prod | | | | | | | | | |
| 6:00 | 9:30 | 3.50 | 19,664 | DRIL | ROTATE F/ 19,570' T/ 19664 GPM 550 SPP 5500 DIFF 400 WOB 38 RPM 45 TQ 26K | | | | | | | | | | | | | | | |
| 9:30 | 11:00 | 1.50 | 19,676 | DRIL | SLIDE F/ 19,664' T/ 19,676' GPM 550 SPP 5200 DIFF 250 WOB 35 TF 160L | | | | | | | | | | | | | | | |
| 11:00 | 18:00 | 7.00 | 20,057 | DRIL | ROTATE F/ 19,676' T/ 20,057' GPM 550 SPP 5500 DIFF 400 WOB 38 RPM 45 TQ 26K TD WELL | | | | | | | | | | | | | | | |
| 18:00 | 0:00 | 6.00 | 20,057 | CIRC | CIRC. CONDITION HOLE TO RUN 5 1/2" PRODUCTION CASING, PUMPING 3 VISCOUS SWEET WHILE RECIPROCATING DRILL STRING FLOW CHECK PUMP SLUG | | | | | | | | | | | | | | | |
| 0:00 | 5:00 | 5.00 | 20,057 | TRPO | TRIP OUT TO RUN PRODUCTION CASING T/ 9,515' 300' F/ END OF CURVE | | | | | | | | | | | | | | | |
| 5:00 | 6:00 | 1.00 | 20,057 | CIRC | CIRC. AND CLEAN HOLE @ 9,515' | | | | | | | | | | | | | | | |
| Casing/Tubular Information | | | | | | | | | | | | | | | | | | | | |
| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) | | | | | | | | | | |
| FULL | 13.38 | 0 | | 958 | | SURF | | | | | | | | | | | | | | |
| FULL | 9.63 | 0 | | 8,269 | 8,149 | INT1 | | 40.00 | J-55 | | | | | | | | | | | |
| Cost/AFE Information | | | | | | | | | | | | | | | | | | | | |
| AFE No | AFE Description | | | AFE Amount | Daily Mud | Well Mud | Daily Total | Well Total | % Spent | | | | | | | | | | | |
| B24004 | Drill and complete a 10,400' WC | | | 8,578,755.00 | 5,446.12 | 436,361.23 | 63,379.12 | 2,921,821.70 | 34.06% | | | | | | | | | | | |
| Totals \$: | | | | 8,578,755.00 | 5,446.00 | 436,361.00 | 63,379.00 | 2,921,822.00 | 34.06% | | | | | | | | | | | |
| Mud Information | | | | | | | | | | | | | | | | | | | | |
| % | | | | | | | | | | | | | | | | | | | | |
| Dens. | Vis | PV | YP | Filt. | Cake | pH/ES | Solids | Oil | Water | Sand | LGS | Cl | Ca | CaCl | 10s | Gels 10m | 30m | Temp In | Out | Mud Loss |
| 17-Sep-23 10:00 at Depth 19,667 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 12.90 | 37.00 | 5.00 | 4.00 | 10.4 | 2 | | 16.1 | 57 | 16 | | | 34000 | | 249935 | 11 | 15 | 20 | | 40.00 | |
| 17-Sep-23 19:00 at Depth 20,057 ft Mud Pits, Type: Oil Base Mud | | | | | | | | | | | | | | | | | | | | |
| 12.90 | 30.00 | 4.00 | 2.00 | 10.8 | 2 | | 16.8 | 57.7 | 15.5 | | | 32000 | | 244561 | 10 | 14 | 18 | | 46.00 | |
| Mud Consumables | | | | | | | | | | | | | | | | | | | | |
| Item Description | | | Qty. | Cost | Item Description | | | Qty. | Cost | | | | | | | | | | | |
| AES MUL X (GAL) - GALS | | | 200 | 2,970.00 | AES VIS LS (50) - 50#SK | | | 1 | 114.84 | | | | | | | | | | | |
| AES VIS LS (50) - 50#SK | | | 75 | 1,124.25 | CLAYTONE II (50) - SACK | | | 1 | 114.81 | | | | | | | | | | | |
| ENGINEERING - EA | | | 1 | 950.00 | ENGINEERING (DIEM) - EA | | | 1 | 50.00 | | | | | | | | | | | |
| NUT PLUG M (50) - 50#SK | | | 7 | 122.22 | | | | | | | | | | | | | | | | |
| Bit/BHA/Workstring Information | | | | | | | | | | | | | | | | | | | | |
| No Run | Make | Model | Diam | Depth In | This Run Dist | Hrs | R.O.P. Avg | Max | WOB | RPM | Torque | Wt | Mud Flow | Pump Press | J. Vel | P. Drp | HHP | JIF | | |
| 4 | 1 | ULTERRA SPL613 | 8.75 | 19477 | 580 | 16.5 | 35.2 | 35.2 | 40.00 | 45 | 1000.00 | 13 | 558 | 5500 | 80 | 74 | 24 | 298 | | |
| Jets: 18 18 18 18 18 18 18 18 18 | | | | Out: | Grade: Cutter: / | | | | Dull: / | Wear: | | Brgs: | Gge: | Pull: | | | | | | |
| BHA - No. 4 - BIT, MMTR, UBHO, 2 NMDC, 108 DP, AGITAT = 3495.33 | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|--|------------------|---|----------|----------------------|-----------|-----------------|-----------|-----------------|---------|--|--------|-----------------------------|------------|
|  | | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | | |
| | | Report No: 25 | | | | | | | | Report For 06:00 AM 18-Sep-23 | | | |
| | | Drilling Parameters | | | | | | | | | | | |
| Depth (ft) | | ROP (ft/hr) | | WOB (lbs) | | RPM | | Torque (ft lbs) | | Flow (gals/min) | | Pressure (psi) | |
| From | To | Avg | Max | Avg | Max | Avg | Max | Avg | Max | Avg | Max | | |
| 19,570 | 20,057 | 35.7 | 35.7 | 40.00 | 40.00 | 45 | 60 | 23,000. | 26,000. | 558.00 | 558.00 | 5,500.00 | |
| Annular Velocity: | | Drill Collars: | | 178.6 | | Drill Pipe: | | 265.2 | | | | | |
| Miscellaneous Drilling Parameters | | | | | | | | | | | | | |
| Hook Loads (lbs): | | Off Bottom Rotate: | | 200,000.00 | | Pick Up: | | 350,000.00 | | Slack Off: | | 100,000.00 | |
| | | | | | | | | | | | | Drag Avg/Max: 20000 / 25000 | |
| Slow Circulation Data: | | | | | | | | | | | | | |
| Pump 1: | | 30 spm | | 400 psi | | 40 spm | | 485 psi | | 50 spm | | 550 psi | |
| Pump 2: | | 30 spm | | 415 psi | | 40 spm | | 480 psi | | 50 spm | | 550 psi | |
| Pump 3: | | 30 spm | | 410 psi | | 40 spm | | 475 psi | | 50 spm | | 545 psi | |
| Hours on Casing/Liner: | | Rotating: | | / | | Tripping: | | / | | <input checked="" type="checkbox"/> Wear Bushing Installed | | | |
| Mud Log Information | | | | | | | | | | | | | |
| Depth (ft) | | TVD (ft) | | Gas (Units) | | Gas | | Drilling | Pore | Mud | Shale | ROP | |
| From | To | From | To | Avg | Max | at Depth | Connect. | Trip | Exp. | Press | Dens. | Dens. | Shale Sand |
| 19,798 | 20,002 | 8,788 | 8,782 | 327.00 | 406.00 | 19558 | 366.00 | | | | 12.90 | | |
| Formation Name: WOFLCAMP | | | | | | | | | | | | | |
| Lithology: 70% SHALE 30% LIMESTONE @ 20002 | | | | | | | | | | | | | |
| Rig Information | | | | | | | | | | | | | |
| Equipment Problems: | | | | | | | | | | | | | |
| Location Condition: | | | | | | | | | | | | | |
| Transport: | | | | | | | | | | | | | |
| Solids Control Information | | | | | | | | | | | | | |
| Screen Sizes: | | Top | Middle 1 | Middle 2 | Bottom | | | | | | | | |
| Shaker No 1: | | 200 | 200 | 200 | 200 | | | | | | | | |
| Shaker No 2: | | 200 | 200 | 200 | 200 | | | | | | | | |
| Shaker No 3: | | 200 | 200 | 200 | 200 | | | | | | | | |
| Bulk Inventory | | | | | | | | | | | | | |
| Comments: TRANSFER FROM UNIVERSITY 9C 1211 WD | | | | | | | | | | | | | |
| Item Type | | Units | | Beginning | | Used | | Received | | On Hand | | Net | |
| Fuel | | | | 10,347 | | 3,569 | | | | 6,778 | | | |
| Mud | | | | 14,239 | | 2,657 | | | | 11,582 | | | |
| Drill Pipe Inventory | | | | | | | | | | | | | |
| DP Size | Joints | Weight | Grade | Thread | DP Size | Joints | Weight | Grade | Thread | | | | |
| 5 | 701 | 19.50 | S-135 | OTHER | | | | | | | | | |
| Safety Information | | | | | | | | | | | | | |
| Meetings/Drills | | Time | | Description | | | | | | | | | |
| Safety | | 30 | | TRIPPING PIPE | | | | | | | | | |
| First Aid Treatments: | | Medical Treatments: | | Lost Time Incidents: | | Days Since LTI: | | 477 | | | | | |
| <input type="checkbox"/> BOP Test | | <input checked="" type="checkbox"/> Crownamatic Check | | | | | | | | | | | |
| Rental Tools Information | | | | | | | | | | | | | |
| Type | Description | Serial No. | | Vendor | Acct Code | Today's Cost \$ | Start | End | | | | | |
| Port-a-let | PORT O JOHNS | | | H&S | DRL-240 | 20.00 | 05-Aug-23 | | | | | | |
| Notes: PORT O JOHNS\$20 A DAY | | | | | | | | | | | | | |
| Dumpster | TRASH TRAILER | | | H&S | DRL-240 | 25.00 | 05-Aug-23 | | | | | | |
| Notes: TRASH TRAILER \$25 A DAY | | | | | | | | | | | | | |
| H2S | H2S SAFETY | | | AMPRO | DRL-240 | 250.00 | 05-Aug-23 | | | | | | |
| Notes: H2S SAFETY \$250 A DAY | | | | | | | | | | | | | |
| Choke | CHOKE AND FLARE | | | PAYZONE | DRL-240 | 300.00 | 05-Aug-23 | | | | | | |
| Notes: DRIVE OVER, FLARE, AND CHOKE, \$300 A DAY | | | | | | | | | | | | | |
| Rotating Hd. | ROTATING HEAD | | | CUTTER | DRL-240 | 200.00 | 05-Aug-23 | | | | | | |
| Notes: ROTATING HEAD AND ORBIT VALVE \$200 A DAY | | | | | | | | | | | | | |
| Trailer | OFFICE AND COMMS | | | TREND | DRL-240 | 1,880.00 | 05-Aug-23 | | | | | | |
| Notes: OFFICE TRAILERS AND COMMS \$1880 A DAY | | | | | | | | | | | | | |
| Frac Tanks | FRAC TANKS | | | THORPE | DRL-245 | 198.00 | 05-Aug-23 | | | | | | |
| Notes: FRAC TANKS X 9 X \$22 ADAY | | | | | | | | | | | | | |

|  | Daily Drilling Report Well ID: 42-383-41395 Field: TEXON | | | | | SEM Well Name: University 9C 1209WC Sect: 12 County: Reagan State: TX | | |
|--|---|-------------------------------|----------|-----------|-----------------|--|-----|--|
| Report No: 25 | | Report For 06:00 AM 18-Sep-23 | | | | | | |
| Rental Tools Information | | | | | | | | |
| Type | Description | Serial No. | Vendor | Acct Code | Today's Cost \$ | Start | End | |
| EDM | EDR | | NOV | DRL-240 | 700.00 | 05-Aug-23 | | |
| Notes: EDR \$700 A DAY | | | | | | | | |
| Mud Bucket | MUD BUCKET | | RENTAL E | DRL-240 | 85.00 | 05-Aug-23 | | |
| Notes: MUD BUCKET \$85 A DAY | | | | | | | | |
| Steam Cleane | SHAKER WASHERS | | RENTAL E | DRL-240 | 80.00 | 05-Aug-23 | | |
| Notes: SHAKER WASHERS X 2 \$40 A DAY | | | | | | | | |
| SPOOLS | SPOOLS/VBRS | | MONAHANS | DRL-240 | 350.00 | 05-Aug-23 | | |
| Notes: SPOOLS AND VBRS \$350 A DAY | | | | | | | | |
| Trans. Pump | TRASH PUMPS | | H&S | DRL-240 | 175.00 | 05-Aug-23 | | |
| Notes: TRASH PUMPS 2X \$75, MANIFOLD 425 A DAY | | | | | | | | |
| OBM Control | SOLIDS CONTROL | | DES | DRL-210 | 3,200.00 | 05-Aug-23 | | |
| Notes: WATER BASE \$1500 A DAY, OBM \$3200 A DAY | | | | | | | | |
| TANK | FUEL TANK | | | DRL-240 | 50.00 | 05-Aug-23 | | |
| Notes: CAMP FUEL TANK \$50 A DAY | | | | | | | | |
| Auto Driller | ROCKET SYSTEM | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | |
| Notes: ROCKET SYSTEM \$500 A DAY | | | | | | | | |
| Rig Vac | MUD VAC | | RENTAL E | DRL-240 | 90.00 | 05-Aug-23 | | |
| Notes: MUD VAC \$90 A DAY | | | | | | | | |
| Forklifts | FORK LIFT.MANLIFT | | ICD | DRL-240 | 500.00 | 05-Aug-23 | | |
| Notes: FORKLIFT/MANLIFT X2 \$250 EACH A DAY | | | | | | | | |
| Mud logger | MUD LOGGER | | DATA | DRL-230 | 1,200.00 | 05-Aug-23 | | |
| Notes: MUD LOGGER \$1200 A DAY | | | | | | | | |
| Directional | GEO STEERING | | SEM | DRL-231 | 1,000.00 | 05-Aug-23 | | |
| Notes: GEO STEERING \$1000 A DAY | | | | | | | | |
| Light Tower | CROWN LIGHTS | | APOLLO | DRL-240 | 350.00 | 05-Aug-23 | | |
| Notes: CROWN LIGHTS \$350 A DAY | | | | | | | | |
| Pit Pumps | TRASH PUMPS | | RENTAL E | DRL-240 | 175.00 | 05-Aug-23 | | |
| Notes: TRASH PUMPS 2X \$50 A DAY, MANIFOLD \$25 A DAY | | | | | | | | |
| Light Tower | LIGHT PLANT | | RENTAL E | DRL-240 | 20.00 | 05-Aug-23 | | |
| Notes: LIGHT PLANT \$20 A DAY | | | | | | | | |
| Pit Pumps | FRAC WATER | | SEM | DRL-213 | 1,000.00 | 05-Aug-23 | | |
| Notes: FRAC WATER, POLY LINES, \$1000 A DAY | | | | | | | | |
| Directional | DRILLER/MWD | | WELLB | DRL-246 | 7,275.00 | 05-Aug-23 | | |
| Notes: \$4500 STANDBY, \$7275 WORKING | | | | | | | | |
| Pit Pumps | FLOATING PUMPS | | H&S | DRL-240 | 0.00 | 05-Aug-23 | | |
| Notes: FLOATING PUMPS X2 \$150 A DAY | | | | | | | | |
| Pre Mix | PRE MIX | | PHOENIX | DRL-241 | 0.00 | 05-Aug-23 | | |
| Notes: PRE MIX \$350 A DAY | | | | | | | | |
| Light Tower | LIGHT PLANTS | | H&S | DRL-240 | 100.00 | 05-Aug-23 | | |
| Notes: LIGHT PLANTS 2X \$50 A DAY | | | | | | | | |
| DP/HAND TO | 5"DRILL PIPE | | ICD | DRL-243 | 2,000.00 | 05-Aug-23 | | |
| Notes: 5" DS 50 HIGH TORQUE DP \$2000 A DAY | | | | | | | | |
| Total Daily Rental Cost \$: | | | | | 21,723.00 | | | |