

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

County: Reagan State: TX Country: United States

Report No: 1

Report For 06:00 AM 04-Feb-20

Operator: SEM Operating Company	Rig: INTEGRITY #3	Spud Date:	Daily Cost / Mud (\$):	0 / 0	
Measured Depth (ft):	Last Casing:	Wellbore: Original Wellbore	AFE No.	AFE (\$)	Actual (\$)
Vertical Depth (ft):	Next Casing:	RKB Elevation (ft): 2649.60	B20015	6,956,223	0
Hole Made (ft) / Hrs: 0 / 0.0	Next BOP Test:	Working Interest:	Totals:	6,956,223	0
Average ROP (ft/hr):			Well Cost (\$):	0	
Drilling Days (act./plan): 0/0	Flat Days (act./plan): 0/0	Total Days (act./plan): 0/0	Days On Location:	1	
Pers/Hrs: Operator: 1 / 0	Contractor: 4 / 0	Service: 0 / 0	Other: 0 / 0	Total:	5 / 0

Safety Summary: No incidents or events reported.

Current Operations: RIG UP ON UNIVERSITY 9C 3609WB

Planned Operations: FINISH RIG UP, DRILL 17.5" SURFACE HOLE TO 550'

Toolpusher: Robert Buckley

Wellsite Supervisors: Ian Davis, Dwight Dickerson

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	6:30	0.50		SAFETY	SAFETY MEETING/ CHANGE TOUR	
6:30	18:00	11.50		MRIG	WAIT ON TRUCKS & MOVE RIG	
18:00	18:30	0.50		SAFETY	SAFETY MEETING/ CHANGE TOUR	
18:30	3:30	9.00		RIGU	MOVE RIG, RIG UP & WAIT ON EQUIPMENT	
3:30	6:00	2.50		RIGU	RIG UP ON 3609WB	

Rig Information

Equipment Problems:

Location Condition:

Transport:

Safety Information

First Aid Treatments:

Medical Treatments:

Lost Time Incidents:

Days Since LTI:

 BOP Test Crownamatic Check



Daily Drilling Report

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

County: Reagan State: TX Country: United States

Report No: 2

Report For 06:00 AM 05-Feb-20

Operator:	SEM Operating Company	Rig:	INTEGRITY #3	Spud Date:	04-Feb-20	Daily Cost / Mud (\$):	39,323 / 0		
Measured Depth (ft):	552	Last Casing:		Wellbore:	Original Wellbore	AFE No.	AFE (\$)	Actual (\$)	
Vertical Depth (ft):	552	Next Casing:		RKB Elevation (ft):	2649.60	B20015	6,956,223	39,323	
Hole Made (ft) / Hrs:	552 / 0.0	Next BOP Test:		Working Interest:		Totals:	6,956,223	39,323	
Average ROP (ft/hr):						Well Cost (\$):	39,323		
Drilling Days (act./plan):	1/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	1/0	Days On Location:	2		
Pers/Hrs: Operator:	1 / 0	Contractor:	4 / 0	Service:	7 / 0	Other:	0 / 0	Total:	12 / 0

Safety Summary: No incidents or events reported.

Current Operations: WAIT ON CEMENT TO SET FOR TEMP LOG.

Planned Operations: RUN TEMP LOG. PERFORM TOP OFF JOB TO GET CEMENT TO SURFACE. SKID RIG TO UNIVERSITY 9C 3603WA

Toolpusher: Robert Buckley

Wellsite Supervisors: Ian Davis, Dwight Dickerson

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	6:15	0.25		SAFETY	SAFETY MEETING/ CHANGE TOUR	
6:15	8:30	2.25		RIGU	RIG UP ON 3609WB	
8:30	9:00	0.50	40	PUDIR	PICK UP BHA FROM BIT TO 40'	
9:00	10:00	1.00	120	DRILR	DRILL FROM 40' TO 120'	
10:00	10:30	0.50	120	OTHER	CHANGE RUBBER TO DRILL PIPE	
10:30	18:00	7.50	552	DRILR	DRILL FROM 120' TO 552' TD RKB	
18:00	18:15	0.25	552	SAFETY	SAFETY MEETING/ CHANGE TOUR	
18:15	19:00	0.75	552	CIRC	CLEAN HOLE	
19:00	20:00	1.00	552	TRPO	POOH FROM 552' TO 100'	
20:00	21:00	1.00	552	LDTOOL	LAY DOWN BHA FROM 100' TO BIT	
21:00	21:30	0.50	552	RIGU	RIG UP TO RUN 13.375" 54.5# J55 SURFACE CASING	
21:30	23:00	1.50	552	CASE	RUN 12 JOINTS OF 13.375" CASING	
23:00	23:30	0.50	552	CASE	WASH DOWN 1 JOINT LANDING @ 544.5' GL	
23:30	0:30	1.00	552	RIGUC	RIG UP CEMENTERS	
0:30	2:00	1.50	552	CMTP	CEMENT WELL WITH NEXTIER. PUMPED 120 BBL SPACER NO RETURNS. PUMPED EXTRA 60 BBLs OF FRESH WATER STILL NO RETURNS. PUMPED 215 SX LEAD @ 12.0 PPG YIELD 2.42 AND 335 SX TAIL @ 14.8 YIELD 1.35 CEMENT. STILL NO RETURNS. PUMPED 78 BBLs DISPLACEMENT. NO RETURNS TO SURFACE. BUMPED PLUG @ 1192 PSI. NOTE LAST 40 BBLs OF DISPLACEMENT NOTICED PRESSURE START TO INCREASE.	
2:00	6:00	4.00	552	WOC	WAITING ON CEMENT TO SET TO RUN TEMP LOG. RUN GYRO WHILE WAITING ON CEMENT.	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B20015	Drill and complete a 10000' Wolf	6,956,223.00	0.00	0.00	39,322.75	39,322.75	0.57 %
Totals \$:		6,956,223.00	0.00	0.00	39,323.00	39,323.00	0.57 %

Bit/BHA/Workstring Information

No Run	Make	Model	Diam	Depth		This Run		R.O.P.		Mud Pump										
				In	Out	Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow	Press	J. Vel	P. Drp	HHP	JIF	
1	1		17.50	0	552	9	61.3													

Jets: Out: 552 Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:

Rig Information

Equipment Problems:

Location Condition:

Transport:

Safety Information

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

BOP Test Crownamatic Check

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 4

Report For 06:00 AM 13-Mar-20

Operator:	SEM Operating Company	Rig:	ICD	Spud Date:	04-Feb-20	Daily Cost / Mud (\$):	71,744 / 0		
Measured Depth (ft):	552	Last Casing:	13.38 at 545	Wellbore:	Original Wellbore	AFE No.	AFE (\$)	Actual (\$)	
Vertical Depth (ft):	552	Next Casing:	9.63 at 7,950	RKB Elevation (ft):	2649.60	B20015	6,956,223	247,955	
Proposed TD (ft):	19574	Last BOP Test:	13-Mar-20	Job Reference RKB (ft):					
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:	02-Apr-20	Working Interest:		Totals:	6,956,223	247,955	
Average ROP (ft/hr):						Well Cost (\$):		247,955	
Drilling Days (act./plan):	3/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	3/0	Days On Location:			4
Pers/Hrs: Operator:	3 / 36	Contractor:	11 / 132	Service:	5 / 60	Other:	0 / 0	Total:	19 / 228

Safety Summary: No incidents or events reported. Conducted BOP Test, Crown Check, Safety Meeting.**Current Operations:** TEST BOPS.**Planned Operations:** TEST BOPS, AND TEST CASING, PICK UP BHA DRILL 12.25 INTERMEDIATE HOLE.**Toolpusher:** SHAWN THREADGILL, GARY ROBERTSON**Wellsite Supervisors:** JR WRIGHT, RICKY POINDEXTER

Tel No.: 432-217-5031

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	22:00	16:00	552	OTHER	PREPARE TO SKID RIG FROM UNIVERSITY 9C 3603 WA.	
22:00	0:00	2:00	552	SKID	WALK RIG TO UNIVERSITY 9C 3609 WB CENTER OVER WELL.	
0:00	3:00	3:00	552	BOPNU	NIPPLE UP BOP WHILE RIGGING UP FLOW LINE CHOKE LINE KILL LINE	
3:00	6:00	3:00	552	BOPT	TEST CHOKE MANIFOLD BLIND RAMS PIPE RAMS UPPER & LOWER 4" VALVE AND HCR VALVE, 2" KILL LINE VALVES & CHECK VALVE ALL FLOOR RELATED VALVES AND MUD LINES BACK TO PUMPS 250 PSI LOW, 5000, PSI HIGH HYDRILL 250 LOW 3500 PSI HIGH.	

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		545		SURF		54.50	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B20015	Drill and complete a 10000' Wolf	6,956,223.00	0.00	0.00	71,744.00	247,954.77	3.56 %
Totals \$:		6,956,223.00	0.00	0.00	71,744.00	247,955.00	3.56 %

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**Comments:** TRANSFER FROM UNIVERSITY 09C3603WA TO UNIVERSITY 09C 3609WB 8714 GALS

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	8,714	198		8,516	
Mud	GALS	7,597			7,597	

Safety Information

Meetings/Drills	Time	Description
Safety	30	WALKING RIG TESTING BOP

First Aid Treatments: **Medical Treatments:** **Lost Time Incidents:** **Days Since LTI:** BOP Test Crownamatic Check

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 4

Report For 06:00 AM 13-Mar-20

Weather Information

Sky Condition: MOSTLY CLOUDY	Visibility: 10
Air Temperature: 61.00 degF	Bar. Pressure: 29.87
Wind Speed/Dir: 5 / N	Wind Gusts:

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
H2S			AMPRO	DRL-240	250.00	13-Mar-20	
	Notes: H2S EQUIPMENT @ \$250						
Choke			MCGUIRE	DRL-240	300.00	13-Feb-20	
	Notes: HYDRAULIC CHOKE @ \$300						
Rotating Hd.			AIR DRIL	DRL-240	250.00	13-Mar-20	
	Notes: HYDRAULIC ROTATING HEAD @ \$250						
Trailer			TREND	DRL-240	1,880.00	13-Mar-20	
	Notes: 4 TRAILERS @ \$1880						
Frac Tanks			THORPE	DRL-245	200.00	13-Mar-20	
	Notes: 8 FRAC TANKS @ \$200						
Trans. Pump			RENTAL E	DRL-240	300.00	13-Mar-20	
	Notes: 4 TRANSFER PUMPS @ \$300						
Dumpster			H&S	DRL-240	65.00	13-Mar-20	
	Notes: PORT A JOHNS + TRASH TRAILER @ \$65						
Light Tower			APOLLO	DRL-240	275.00	13-Mar-20	
	Notes: HALO LIGHT PACKAGE @ \$275						
EDM			TOTCO	DRL-240	700.00	13-Mar-20	
	Notes: MD TOTCO @ \$700						
Mud logger			RILEY	DRL-230	0.00	06-Feb-20	
	Notes: MUD LOGGER @ \$1200						
OBM Control			DES	DRL-210	350.00	06-Feb-20	
	Notes: SOLIDS CONTROL OBM RATE @ \$3650						
Steam Clean			RENTAL E	DRL-210	40.00	13-Mar-20	
	Notes: OBM WASHER @ \$40						
Directional			SEM	DRL-231	0.00	13-Mar-20	
	Notes: GEO STEERING @ \$1000						
Mud Bucket			STABIL	DRL-210	85.00	13-Mar-20	
	Notes: MUD BUCKET @ \$85						
TANK			DIAMOND	DRL-245	355.00	13-Mar-20	
	Notes: 4 UPRIGHT OBM TANKS @ \$355						
SPOOLS			MONAHANS	DRL-240	355.00	13-Mar-20	
	Notes: 10K SPACER SPOOL @ \$130						
Containment			KATCH	DRL-241	0.00	06-Feb-20	
	Notes: KATCH KAN @ \$75						
TANK			THOMAS	DRL-245	50.00	13-Mar-20	
	Notes: DIESEL TANK FOR OFFICE GENERATOR @ \$50						
Fas-line			SEM	DRL-213	1,000.00	13-Mar-20	
	Notes: WATER, POLY LINE @ \$1000						
Pre Mix			PMS	DRL-240	255.00	13-Mar-20	
	Notes: PRE MIX TANK @ \$225						
JARS			AIR DRIL	DRL-244	0.00	06-Feb-20	
	Notes: DRILLING JARS @ \$400						
DP/HAND TO				DRL-244	0.00	06-Feb-20	
	Notes: TOMAX TOOL @ \$3850/ STAND BY \$395						



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Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 4

Report For 06:00 AM 13-Mar-20

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Total Daily Rental Cost \$:					6,710.00		



Daily Drilling Report

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 5

Report For 06:00 AM 14-Mar-20

Operator: SEM Operating Company	Rig: ICD	Spud Date: 04-Feb-20	Daily Cost / Mud (\$): 51,860 / 2,207
Measured Depth (ft): 2102	Last Casing: 13.38 at 545	Wellbore: Original Wellbore	AFE No. AFE (\$) Actual (\$)
Vertical Depth (ft): 2100	Next Casing: 9.63 at 7,950	RKB Elevation (ft): 2649.60	B20015 6,956,223 299,814
Proposed TD (ft): 19574	Last BOP Test: 13-Mar-20	Job Reference RKB (ft):	
Hole Made (ft) / Hrs: 1,550 / 0.0	Next BOP Test: 02-Apr-20	Working Interest:	Totals: 6,956,223 299,814
Average ROP (ft/hr):			Well Cost (\$): 299,814
Drilling Days (act./plan): 4/0	Flat Days (act./plan): 0/0	Total Days (act./plan): 4/0	Days On Location: 5
Pers/Hrs: Operator: 3 / 36	Contractor: 11 / 132	Service: 5 / 60	Other: 0 / 0 Total: 19 / 228

Safety Summary: No incidents or events reported. Conducted Crown Check, Safety Meeting.

Current Operations: DRILL 12.25" INTERMEDIATE HOLE @ 2,102'.

Planned Operations: CONTINUE DRILL 12.25" INTERMEDIATE MWD SURVEYS, SERVICE RIG.

Toolpusher: SHAWN THREADGILL, GARY ROBERTSON

Wellsite Supervisors: JR WRIGHT, RICKY POINDEXTER

Tel No.: 432-217-5031

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	9:00	3.00	552	TEST	FINISH TESTING BOP 250 LOW TO 5000 PSI HIGH, ANNULAR 3500 PSI, TEST CASING TO 1500	
9:00	13:00	4.00	552	RIGU	CLEAN OUT FLOW LINE, R/U FLOW LINE, R/U PVC LINE TO INNER PIT, FILL PITS WITH BRINE, P/U BIT & STAB.	
13:00	14:30	1.50	552	BHAOP	P/U NEW BHA, MOTOR, BIT, MWD & TEST GOOD TEST	
14:30	15:00	0.50	552	SERV	SERVICE RIG, TOP DRIVE, BLOCKS, CATWALK	
15:00	16:00	1.00	552	TRPI	TRIP IN THE HOLE & TAG CEMENT @ 500'	
16:00	17:00	1.00	552	OTHER	DRILL OUT CEMENT & FLOAT EQUIP.	
17:00	0:00	7.00	1,496	DRILR	DRILL ROTATE 12.25"HOLE F/ 552' TO 1,496', ' WOB 25-30K, DIFF-300- 600, SPP- 2000, GPM 700, ROT 50 , MTR 112, TQ 5K (944' IN 7.0 HRS @ 134.8 FPH.)	
0:00	0:30	0.50	1,521	DRILS	SLIDE DRILL 12.25" HOLE FROM 1496' TO 1521', WOB 20, GPM 750, DIFF 350, SPP=2150, TF-20M (25' IN .30 HR, @ 83.3 FPH)	
0:30	3:00	2.50	1,873	DRILR	DRILL ROTATE 12.25"HOLE F/ 1,521' TO 1,873', ' WOB 30K, DIFF-300- 600, SPP-2200, GPM 750, ROT 50 , MTR 120, TQ 8K (352' IN 2.5 HRS @ 140.8 FPH.	
3:00	3:30	0.50	1,918	DRILS	SLIDE DRILL 12.25" HOLE FROM 1,873' TO 1,918', WOB 27, GPM 700, DIFF 400, SPP=1650, TF-40M (45' IN .30 HR, @ 150.0 FPH)	
3:30	4:00	0.50	1,957	DRILR	DRILL ROTATE 12.25"HOLE F/ 1,918' TO 1,957', ' WOB 30K, DIFF-300- 600, SPP-2200, GPM 750, ROT 50 , MTR 120, TQ 8K (39' IN .5 HRS @ 78. FPH.	
4:00	4:30	0.50	1,997	DRILS	SLIDE DRILL 12.25" HOLE FROM 1,957' TO 1,997', WOB 27, GPM 700, DIFF 400, SPP=1650, TF-80M (40' IN .5 HR, @ 80.0 FPH)	
4:30	5:30	1.00	2,062	DRILR	DRILL ROTATE 12.25"HOLE F/ 1,997' TO 2,062', ' WOB 30K, DIFF-300- 600, SPP-2200, GPM 700, ROT 50 , MTR 112, TQ 8K (65' IN 1.0 HRS @ 65. FPH.	
5:30	6:00	0.50	2,102	DRILS	SLIDE DRILL 12.25" HOLE FROM 2,062' TO 2,102', WOB 27, GPM 700, DIFF 400, SPP=1650, TF-80M (40' IN .5 HR, @ 80.0 FPH)	

Management Summary

ROTATE DRILL 10.5 HRS 1400' @ 133.3 FPH, - SLIDE DRILL 2.5 HRS 150' @ 60 FPH.

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		545		SURF		54.50	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B20015	Drill and complete a 10000' Wolf	6,956,223.00	2,207.39	2,207.39	51,859.64	299,814.41	4.31 %
Totals \$:		6,956,223.00	2,207.00	2,207.00	51,860.00	299,814.00	4.31 %

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
13-Mar-20 22:00 at Depth 1,236 ft Mud Pits, Type: Saturated Salt Mud																				
9.90	30.00	2.00	5.00		1	9.5	10.5		89.5		4.1	16000	2120		3	5	7		82.00	

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 5

Report For 06:00 AM 14-Mar-20

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
BLUE MAX - GALS	3	139.11	ENGINEERING (24 HOUR) - DAY	1	950.00
ENGINEERING (DIEM) - DAY	1	50.00	GEL BULK - 100#SK	75	716.25
MF-55 - 5GAL	3	296.55	SODA ASH - 50#SK	2	55.48

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
2	1	BAKER	D506TW>	12.25	552	1,550	13	119.2	140.0	30.00	50	8,	10	700	2100	151	199	81	535
Jets: 18 18 18 18 18 18					Out:	Grade:	Cutter:	/	Dull:	/	Wear:	Brgs:	Gge:	Pull:					
BHA - No. 1 - BIT, MMTR, UBHO, NMDC, STAB, NMDC, STAB, SHOCK, 4 DC, XO, 19 HWDP, JAR, 5 HWDP = 1014.13																			

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	
552	2,102	119.0	140.0	25.00	30.00	50	50	8,000.00	12,000.	700.00	750.00	2,200.00
Annular Velocity:		Drill Collars:		199.4		Drill Pipe:		137.2				

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	142.00	Pick Up:	145.00	Slack Off:	140.00	Drag Avg/Max:	2 / 6
Slow Circulation Data:								
Pump 1:	30 spm	125 psi	40 spm	165 psi	50 spm	210 psi		
Pump 3:	30 spm	115 psi	40 spm	150 psi	50 spm	190 psi		
Hours on BHA:	Since Inspection:	13	Total:	13	Jars:	13		
Hours on Casing/Liner:	Rotating:	13 /	Tripping:	/	<input checked="" type="checkbox"/> Wear Bushing Installed			

Survey Information

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Closure	Vertical Section	Coordinates		
							N-S	E-W	D.L.S.
MWD	513.0	0.13	143.9	513.0	1.2	-0.2	N 0.1	E 1.2	0.00
MWD	662.0	0.04	89.7	662.0	1.3	0.0	N 0.0	E 1.3	0.07
MWD	754.0	0.22	123.5	754.0	1.5	0.1	S 0.1	E 1.5	0.20
MWD	870.0	0.48	235.4	870.0	1.4	0.5	S 0.5	E 1.3	0.52
MWD	963.0	0.79	200.5	963.0	1.5	1.3	S 1.3	E 0.7	0.52
MWD	1,057.0	0.53	199.8	1,057.0	2.4	2.3	S 2.3	E 0.4	0.28
MWD	1,152.0	0.75	217.1	1,152.0	3.2	3.2	S 3.2	W 0.2	0.31
MWD	1,246.0	1.01	202.9	1,246.0	4.6	4.5	S 4.5	W 0.9	0.36
MWD	1,341.0	1.01	213.3	1,341.0	6.2	6.0	S 6.0	W 1.6	0.19
MWD	1,435.0	1.54	211.9	1,434.9	8.2	7.8	S 7.7	W 2.8	0.56
MWD	1,529.0	0.97	213.7	1,528.9	10.2	9.5	S 9.5	W 3.9	0.61
MWD	1,623.0	0.92	218.3	1,622.9	11.7	10.8	S 10.7	W 4.8	0.10
MWD	1,718.0	1.14	242.1	1,717.9	13.2	11.9	S 11.8	W 6.1	0.50
MWD	1,812.0	1.19	225.3	1,811.9	15.0	13.0	S 12.9	W 7.6	0.37
MWD	1,906.0	0.31	180.0	1,905.8	16.1	14.0	S 13.8	W 8.3	1.06
MWD	2,001.0	1.63	66.7	2,000.8	15.3	13.7	S 13.5	W 7.1	1.87

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

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 5

Report For 06:00 AM 14-Mar-20

Bulk Inventory

Comments: TRANSFER FROM UNIVERSITY 09C3603WA TO UNIVERSITY 09C 3609WB 8714 GALS

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	8,516	1,395		7,121	
Mud	GALS	7,597			7,597	

Safety Information

Meetings/Drills	Time	Description
Safety	30	PICKING UP BHA, DRILLING MAKING CONNECTION FROM DERRICK.
First Aid Treatments:	Medical Treatments:	Lost Time Incidents:
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check	Days Since LTI:

Weather Information

Sky Condition: CLOUDY	Visibility: 4
Air Temperature: 61.00 degF	Bar. Pressure: 29.93
Wind Speed/Dir: 9 / S	Wind Gusts:

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
H2S			AMPRO	DRL-240	250.00	13-Mar-20	
	Notes: H2S EQUIPMENT @ \$250						
Choke			MCGUIRE	DRL-240	300.00	13-Feb-20	
	Notes: HYDRAULIC CHOKE @ \$300						
Rotating Hd.			AIR DRIL	DRL-240	250.00	13-Mar-20	
	Notes: HYDRAULIC ROTATING HEAD @ \$250						
Trailer			TREND	DRL-240	1,880.00	13-Mar-20	
	Notes: 4 TRAILERS @ \$1880						
Frac Tanks			THORPE	DRL-245	200.00	13-Mar-20	
	Notes: 8 FRAC TANKS @ \$200						
Trans. Pump			RENTAL E	DRL-240	300.00	13-Mar-20	
	Notes: 4 TRANSFER PUMPS @ \$300						
Dumpster			H&S	DRL-240	65.00	13-Mar-20	
	Notes: PORT A JOHNS + TRASH TRAILER @ \$65						
Light Tower			APOLLO	DRL-240	275.00	13-Mar-20	
	Notes: HALO LIGHT PACKAGE @ \$275						
EDM			TOTCO	DRL-240	700.00	13-Mar-20	
	Notes: MD TOTCO @ \$700						
Mud logger			RILEY	DRL-230	0.00	06-Feb-20	
	Notes: MUD LOGGER @ \$1200						
OBM Control			DES	DRL-210	350.00	06-Feb-20	
	Notes: SOLIDS CONTROL OBM RATE @ \$3650						
Steam Clean			RENTAL E	DRL-210	40.00	13-Mar-20	
	Notes: OBM WASHER @ \$40						
Directional			SEM	DRL-231	0.00	13-Mar-20	
	Notes: GEO STEERING @ \$1000						
Mud Bucket			STABIL	DRL-210	85.00	13-Mar-20	
	Notes: MUD BUCKET @ \$85						
TANK			DIAMOND	DRL-245	355.00	13-Mar-20	
	Notes: 4 UPRIGHT OBM TANKS @ \$355						
SPOOLS			MONAHANS	DRL-240	355.00	13-Mar-20	
	Notes: 10K SPACER SPOOL @ \$130						
Containment			KATCH	DRL-241	0.00	06-Feb-20	
	Notes: KATCH KAN @ \$75						

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 5

Report For 06:00 AM 14-Mar-20

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
TANK			THOMAS	DRL-245	50.00	13-Mar-20	
Notes: DIESEL TANK FOR OFFICE GENERATOR @ \$50							
Fas-line			SEM	DRL-213	1,000.00	13-Mar-20	
Notes: WATER, POLY LINE @ \$1000							
Pre Mix			PMS	DRL-240	225.00	13-Mar-20	
Notes: PRE MIX TANK @ \$225							
JARS			AIR DRIL	DRL-244	400.00	06-Feb-20	
Notes: DRILLING JARS @ \$400							
DP/HAND TO				DRL-244	3,850.00	06-Feb-20	
Notes: TOMAX TOOL @ \$3850/ STAND BY \$395							
Total Daily Rental Cost \$:					10,930.00		



Daily Drilling Report

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 6

Report For 06:00 AM 15-Mar-20

Operator:	SEM Operating Company	Rig:	ICD	Spud Date:	04-Feb-20	Daily Cost / Mud (\$):	72,462 / 5,088		
Measured Depth (ft):	3443	Last Casing:	13.38 at 545	Wellbore:	Original Wellbore	AFE No.	AFE (\$)	Actual (\$)	
Vertical Depth (ft):	3419	Next Casing:	9.63 at 7,950	RKB Elevation (ft):	2649.60	B20015	6,956,223	372,276	
Proposed TD (ft):	19574	Last BOP Test:	13-Mar-20	Job Reference RKB (ft):					
Hole Made (ft) / Hrs:	1,341 / 23.5	Next BOP Test:	02-Apr-20	Working Interest:		Totals:	6,956,223	372,276	
Average ROP (ft/hr):	57.06					Well Cost (\$):		372,276	
Drilling Days (act./plan):	5/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	5/0	Days On Location:			6
Pers/Hrs: Operator:	3 / 36	Contractor:	11 / 132	Service:	5 / 60	Other:	0 / 0	Total:	19 / 228

Safety Summary: No incidents or events reported. Conducted Crown Check, Safety Meeting.

Current Operations: DRILL 12.25" INTERMEDIATE HOLE @ 3,443'

Planned Operations: CONTINUE DRILL 12.25" INTERMEDIATE MWD SURVEYS, SERVICE RIG.

Toolpusher: SHAWN THREADGILL, GARY ROBERTSON

Wellsite Supervisors: JR WRIGHT, RICKY POINDEXTER

Tel No.: 432-217-5031

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	7:00	1.00	2,146	DRIL	DRILL ROTATE 12.25"HOLE F/ 2,102' TO 2,146', ' WOB 32K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (44' IN 1.0 HRS @ 44. FPH.	
7:00	8:30	1.50	2,178	DRIL	SLIDE DRILL 12.25" HOLE FROM 2,146' TO 2,178', WOB 18, GPM 800, DIFF 300, SPP=1900, TF-HS (32' IN 1.5 HR, @ 21 FPH)	
8:30	10:00	1.50	2,241	DRIL	DRILL ROTATE 12.25"HOLE F/ 2,178' TO 2,241', ' WOB 32K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (63' IN 1.5 HRS @ 42. FPH.	
10:00	11:00	1.00	2,281	DRIL	SLIDE DRILL 12.25" HOLE FROM 2,241' TO 2,281', WOB 18, GPM 800, DIFF 300, SPP=1900, TF-HS (40' IN 1.0 HR, @ 40 FPH)	
11:00	12:00	1.00	2,334	DRIL	DRILL ROTATE 12.25"HOLE F/ 2,281' TO 2,334', ' WOB 32K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (53' IN 1.0 HRS @ 53. FPH.	
12:00	12:30	0.50	2,374	DRIL	SLIDE DRILL 12.25" HOLE FROM 2,334' TO 2,374', WOB 18, GPM 800, DIFF 300, SPP=1900, TF-HS (40' IN .5 HR, @ 60 FPH)	
12:30	13:30	1.00	2,430	DRIL	DRILL ROTATE 12.25"HOLE F/ 2,374' TO 2,430', ' WOB 32K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (56' IN 1.0 HRS @ 56. FPH.	
13:30	14:00	0.50	2,474	DRIL	SLIDE DRILL 12.25" HOLE FROM 2,430' TO 2,474', WOB 18, GPM 800, DIFF 300, SPP=1900, TF-HS (44' IN .5 HR, @ 88 FPH)	
14:00	15:00	1.00	2,523	DRIL	DRILL ROTATE 12.25"HOLE F/ 2,474' TO 2,523', ' WOB 32K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (49' IN 1.0 HRS @ 49. FPH.	
15:00	16:30	1.50	2,567	DRIL	SLIDE DRILL 12.25" HOLE FROM 2,523' TO 2,567', WOB 18, GPM 800, DIFF 300, SPP=1900, TF-HS (44' IN 1.5 HR, @ 29 FPH)	
16:30	17:30	1.00	2,617	DRIL	DRILL ROTATE 12.25"HOLE F/ 2,567' TO 2,617', ' WOB 32K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (50' IN 1.0 HRS @ 50. FPH.	
17:30	18:00	0.50	2,617	SERV	SERVICE RIG, TOP DRIVE, BLOCKS, CATWALK	
18:00	23:00	5.00	2,911	DRIL	DRILL ROTATE 12.25"HOLE F/ 2,617' TO 2,911', ' WOB 38K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (294' IN 5.0 HRS @ 58. FPH.	
23:00	23:30	0.50	2,941	DRIL	SLIDE DRILL 12.25" HOLE FROM 2,911' TO 2,941', WOB 20, GPM 800, DIFF 250, SPP=2350, TF-150 L (30' IN .5 HR, @ 60 FPH)	
23:30	0:00	0.50	3,005	DRIL	DRILL ROTATE 12.25"HOLE F/ 2,941' TO 3,005', ' WOB 38K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (64' IN .5 HRS @ 128. FPH)	
0:00	1:30	1.50	3,055	DRIL	SLIDE DRILL 12.25" HOLE FROM 3,005' TO 3,055', WOB 20, GPM 800, DIFF 250, SPP=2350, TF-180 (50' IN1 .5 HR, @ 33.3 FPH)	
1:30	5:00	3.50	3,383	DRIL	DRILL ROTATE 12.25"HOLE F/ 3,055' TO 3,383', ' WOB 38K, DIFF-300-600, SPP-2800, GPM 800, ROT 50 , MTR 128, TQ 8K (328' IN 3.5 HRS @ 93.7. FPH)	
5:00	6:00	1.00	3,443	DRIL	SLIDE DRILL 12.25" HOLE FROM 3,383' TO 3,443', WOB 27, GPM 800, DIFF 250, SPP=2350, TF-180 (60' IN 1.0 HR, @ 120. FPH)	

Management Summary

ROTATE DRILL 1001' IN 15.5 HRS @ 64.5 FPH, SLIDE DRILL 340', IN 8 HRS, @ 42.5 FPH. (LAST SURVEY @ 3,322' 15.21 INC, 77.94 AZ, 3,295' TVD, 28' AHEAD 9' RIGHT)

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		545		SURF		54.50	J-55	



Daily Drilling Report

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 6

Report For 06:00 AM 15-Mar-20

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B20015	Drill and complete a 10000' Wolf	6,956,223.00	5,087.50	7,294.89	72,462.00	372,276.41	5.35 %
Totals \$:		6,956,223.00	5,088.00	7,295.00	72,462.00	372,276.00	5.35 %

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
14-Mar-20 22:00 at Depth 2,924 ft Mud Pits, Type: Saturated Salt Mud																				
10.50	31.00	2.00	4.00		1	9	15		85		5.7	66000	1720		2	4	5		88.00	

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
ALUMINUM STEARATE - 25#SK	1	82.87	BLUE MAX - GALS	9	417.33
ENGINEERING (24 HOUR) - DAY	1	950.00	ENGINEERING (DIEM) - DAY	1	50.00
GEL BULK - 100#SK	225	2,148.75	MF-55 - 5GAL	9	889.65
SAPP STICK - EA	20	70.60	SOAP STICKS EACH - EA	20	62.20
SODA ASH - 50#SK	15	416.10			

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	
2	1	BAKER	D506TW	12.25	552	2,891	36.5	79.2	110.0	38.00	50	8	11	800	2750	172	278	130	748	
Jets: 18 18 18 18 18 18		Out:		Grade:		Cutter: /		Dull: /		Wear:		Brgs:		Gge:		Pull:				
BHA - No. 1 - BIT, MMTR, UBHO, NMDC, STAB, NMDC, STAB, SHOCK, 4 DC, XO, 19 HWDP, JAR, 5 HWDP = 1014.13																				

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)
2,102	3,443	79.2	110.0	38.00	40.00	50	50	7,000.00	1,000.00	800.00	800.00	2,750.00
Annular Velocity:		Drill Collars:		227.8		Drill Pipe:		156.8				

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	162.00	Pick Up:	175.00	Slack Off:	160.00	Drag Avg/Max:	3 / 12
Slow Circulation Data:								
Pump 1:	30 spm	125 psi	40 spm	165 psi	50 spm	210 psi		
Pump 2:	30 spm	140 psi	40 spm	175 psi	50 spm	210 psi		
Pump 3:	30 spm	130 psi	40 spm	160 psi	50 spm	200 psi		
Hours on BHA:	Since Inspection:	36.5	Total:	36.5	Jars:	36.5		
Hours on Casing/Liner:	Rotating:	36.5 /	Tripping:	/	<input checked="" type="checkbox"/> Wear Bushing Installed			

Survey Information

Survey Type	Meas. Depth		Inc.	Azimuth	TVD	Closure	Vertical Section	Coordinates		D.L.S.
								N-S	E-W	
MWD	2,095.0	3.56	79.3	2,094.7	12.8	12.5	S 12.5	W 3.0	2.13	
MWD	2,190.0	5.14	88.1	2,189.5	12.5	11.7	S 11.8	E 4.2	1.80	
MWD	2,283.0	6.51	79.9	2,282.0	17.3	10.4	S 10.7	E 13.5	1.72	
MWD	2,378.0	7.87	79.5	2,376.2	26.7	8.1	S 8.6	E 25.2	1.43	
MWD	2,472.0	10.02	79.1	2,469.1	40.0	5.0	S 5.9	E 39.6	2.29	
MWD	2,566.0	12.66	77.2	2,561.2	57.7	0.8	S 2.0	E 57.7	2.84	
MWD	2,660.0	13.01	77.5	2,652.9	78.1	-4.2	N 2.6	E 78.0	0.38	
MWD	2,755.0	14.33	77.9	2,745.2	100.2	-9.4	N 7.3	E 100.0	1.39	
MWD	2,849.0	15.03	79.3	2,836.1	123.9	-14.6	N 12.1	E 123.3	0.84	
MWD	2,944.0	15.08	76.1	2,927.9	148.4	-20.4	N 17.3	E 147.4	0.87	
MWD	3,038.0	12.79	76.1	3,019.1	170.9	-26.2	N 22.8	E 169.4	2.44	
MWD	3,132.0	12.45	78.4	3,110.8	191.4	-31.2	N 27.3	E 189.4	0.65	
MWD	3,227.0	13.80	78.4	3,203.3	212.9	-36.0	N 31.6	E 210.5	1.43	
MWD	3,322.0	15.21	77.9	3,295.3	236.7	-41.3	N 36.5	E 233.8	1.49	

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 6

Report For 06:00 AM 15-Mar-20

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	GALS	7,121	2,849	7,300	11,572	4,451
Mud	GALS	7,597			7,597	

Safety Information

Meetings/Drills Time Description

Safety 30 MAKING CONNECTIONS MIXING CHEMICALS

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

 BOP Test Crownamatic Check**Weather Information**

Sky Condition: cloudy	Visibility: 4
Air Temperature: 55.00 degF	Bar. Pressure: 30.14
Wind Speed/Dir: 11 / ENE	Wind Gusts:

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
H2S			AMPRO	DRL-240	250.00	13-Mar-20	
	Notes: H2S EQUIPMENT @ \$250						
Choke			MCGUIRE	DRL-240	300.00	13-Feb-20	
	Notes: HYDRAULIC CHOKE @ \$300						
Rotating Hd.			AIR DRIL	DRL-240	250.00	13-Mar-20	
	Notes: HYDRAULIC ROTATING HEAD @ \$250						
Trailer			TREND	DRL-240	1,880.00	13-Mar-20	
	Notes: 4 TRAILERS @ \$1880						
Frac Tanks			THORPE	DRL-245	200.00	13-Mar-20	
	Notes: 8 FRAC TANKS @ \$200						
Trans. Pump			RENTAL E	DRL-240	300.00	13-Mar-20	
	Notes: 4 TRANSFER PUMPS @ \$300						
Dumpster			H&S	DRL-240	65.00	13-Mar-20	
	Notes: PORT A JOHNS + TRASH TRAILER @ \$65						
Light Tower			APOLLO	DRL-240	275.00	13-Mar-20	
	Notes: HALO LIGHT PACKAGE @ \$275						
EDM			TOTCO	DRL-240	700.00	13-Mar-20	
	Notes: MD TOTCO @ \$700						
Mud logger			RILEY	DRL-230	0.00	06-Feb-20	
	Notes: MUD LOGGER @ \$1200						
OBM Control			DES	DRL-210	350.00	06-Feb-20	
	Notes: SOLIDS CONTROL OBM RATE @ \$3650						
Steam Clean			RENTAL E	DRL-210	40.00	13-Mar-20	
	Notes: OBM WASHER @ \$40						
Directional			SEM	DRL-231	0.00	13-Mar-20	
	Notes: GEO STEERING @ \$1000						

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 6

Report For 06:00 AM 15-Mar-20

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Mud Bucket			STABIL	DRL-210	85.00	13-Mar-20	
	Notes: MUD BUCKET @ \$85						
TANK			DIAMOND	DRL-245	355.00	13-Mar-20	
	Notes: 4 UPRIGHT OBM TANKS @ \$355						
SPOOLS			MONAHANS	DRL-240	355.00	13-Mar-20	
	Notes: 10K SPACER SPOOL @ \$130						
Containment			KATCH	DRL-241	0.00	06-Feb-20	
	Notes: KATCH KAN @ \$75						
TANK			THOMAS	DRL-245	50.00	13-Mar-20	
	Notes: DIESEL TANK FOR OFFICE GENERATOR @ \$50						
Fas-line			SEM	DRL-213	1,000.00	13-Mar-20	
	Notes: WATER, POLY LINE @ \$1000						
Pre Mix			PMS	DRL-240	225.00	13-Mar-20	
	Notes: PRE MIX TANK @ \$225						
JARS			AIR DRIL	DRL-244	400.00	06-Feb-20	
	Notes: DRILLING JARS @ \$400						
DP/HAND TO				DRL-244	3,850.00	06-Feb-20	
	Notes: TOMAX TOOL @ \$3850/ STAND BY \$395						
Total Daily Rental Cost \$:					10,930.00		



Daily Drilling Report

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 7

Report For 06:00 AM 16-Mar-20

Operator:	SEM Operating Company	Rig:	ICD	Spud Date:	04-Feb-20	Daily Cost / Mud (\$):	46,179 / 4,499		
Measured Depth (ft):	5000	Last Casing:	13.38 at 545	Wellbore:	Original Wellbore	AFE No.	AFE (\$)	Actual (\$)	
Vertical Depth (ft):	4933	Next Casing:	9.63 at 7,950	RKB Elevation (ft):	2649.60	B20015	6,956,223	418,456	
Proposed TD (ft):	19574	Last BOP Test:	13-Mar-20	Job Reference RKB (ft):					
Hole Made (ft) / Hrs:	1,557 / 22.0	Next BOP Test:	02-Apr-20	Working Interest:		Totals:	6,956,223	418,456	
Average ROP (ft/hr):	70.77					Well Cost (\$):		418,456	
Drilling Days (act./plan):	6/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	6/0	Days On Location:			7
Pers/Hrs: Operator:	3 / 36	Contractor:	11 / 132	Service:	5 / 60	Other:	0 / 0	Total:	19 / 228

Safety Summary: No incidents or events reported. Conducted Crown Check, Safety Meeting.

Current Operations: DRILL 12.25" INTERMEDIATE HOLE @ 5,000'

Planned Operations: CONTINUE DRILL 12.25" INTERMEDIATE MWD SURVEYS, SERVICE RIG.

Toolpusher: SHAWN THREADGILL, GARY ROBERTSON

Wellsite Supervisors: JR WRIGHT, RICKY POINDEXTER

Tel No.: 432-217-5031

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	7:00	1.00	3,410	DRIL	SLIDE DRILL 12.25" HOLE FROM 3,410' TO 3,443', WOB 27, GPM 800, DIFF 250, SPP=2350, TF-180 (33' IN 1.0 HR, @ 33. FPH)	
7:00	10:00	3.00	3,761	DRIL	DRILL ROTATE 12.25"HOLE F/ 3,443' TO 3,761', ' WOB 38K, DIFF-300-600, SPP-2725, GPM 800, ROT 50 , MTR 128, TQ 8K (318' IN 3.0 HRS @ 106. FPH)	
10:00	12:00	2.00	3,826	DRIL	SLIDE DRILL 12.25" HOLE FROM 3,761' TO 3,826', WOB 27, GPM 800, DIFF 250, SPP=2350, TF-180 (65' IN 2.0 HR, @ 32.5 FPH)	
12:00	14:00	2.00	3,969	DRIL	DRILL ROTATE 12.25"HOLE F/ 3,761' TO 3,969', ' WOB 38K, DIFF-300-600, SPP-2725, GPM 800, ROT 50 , MTR 128, TQ 8K (208' IN HRS @ 104. FPH)	
14:00	16:00	2.00	3,969	OTHER	DISPLACE HOLE WITH SLOP MUD GOOD DISPLACEMENT 9.0 COMING BACK	
16:00	17:00	1.00	4,044	DRIL	DRILL ROTATE 12.25"HOLE F/ 3,969' TO 4,044', ' WOB 38K, DIFF-300-600, SPP-2725, GPM 800, ROT 50 , MTR 128, TQ 8K (75' IN HRS @ 75. FPH)	
17:00	18:00	1.00	4,106	DRIL	SLIDE DRILL 12.25" HOLE FROM 4,044' TO 4,106', WOB 27, GPM 800, DIFF 250, SPP=2350, TF-75 (60' IN 1.0 HR, @ 60 FPH)	
18:00	19:30	1.50	4,223	DRIL	DRILL ROTATE 12.25"HOLE F/ 4,104' TO 4,223', ' WOB 38K, DIFF-500, SPP- 2725, GPM 800, ROT 50 , MTR 128, TQ 10K (117' IN HRS @ 78. FPH)	
19:30	20:30	1.00	4,283	DRIL	SLIDE DRILL 12.25" HOLE FROM 4,223' TO 4,283', WOB 27, GPM 800, DIFF 250, SPP=2350, TF-160 (60' IN 1.5 HR, @ 40 FPH)	
20:30	0:00	3.50	4,610	DRIL	DRILL ROTATE 12.25"HOLE F/ 4,283' TO 4,610', ' WOB 38K, DIFF-500, SPP- 2725, GPM 800, ROT 50 , MTR 128, TQ 10K (327' IN HRS @ 93.4 FPH)	
0:00	1:30	1.50	4,665	DRIL	SLIDE DRILL 12.25" HOLE FROM 4,610' TO 4,665', WOB 27, GPM 800, DIFF 250, SPP=2350, TF-180 (55' IN 1.5 HR, @ 36.6 FPH)	
1:30	3:00	1.50	4,800	DRIL	DRILL ROTATE 12.25"HOLE F/ 4,665' TO 4,800', ' WOB 38K, DIFF-500, SPP- 2725, GPM 800, ROT 50 , MTR 128, TQ 10K (135' IN 1.0 HRS @ 135. FPH)	
3:00	4:00	1.00	4,840	DRIL	SLIDE DRILL 12.25" HOLE FROM 4,800' TO 4,840', WOB 27, GPM 800, DIFF 250, SPP=2350, TF-30 L (40' IN 1.0 HR, @ 40. FPH)	
4:00	6:00	2.00	5,000	DRIL	DRILL ROTATE 12.25"HOLE F/ 4,840' TO 5,000', ' WOB 38K, DIFF-500-600, SPP-2725, GPM 800, ROT 50 , MTR 128, TQ 10K (160' IN 2.0 HRS @ 80. FPH)	

Management Summary

ROTATE DRILL 1244' IN 14.5 HRS @ 85.7.5 FPH, SLIDE DRILL 313', IN 7.5 HRS, @ 41.7 FPH. (LAST SURVEY @ 4,928' 13.85 INC, 76.86 AZ, 4,859' TVD, 20' AHEAD 11' RIGHT)

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		545		SURF		54.50	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B20015	Drill and complete a 10000' Wolf	6,956,223.00	4,499.32	11,794.21	46,179.32	418,455.73	6.02 %
Totals \$:		6,956,223.00	4,499.00	11,794.00	46,179.00	418,456.00	6.02 %



Daily Drilling Report

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 7

Report For 06:00 AM 16-Mar-20

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		
15-Mar-20 22:00 at Depth 4,483 ft Mud Pits, Type: Fresh Water Based																						
9.20	34.00	6.00	4.00		1	9.5	5.5		94.5		3.2	46000	1160		13	17	21		93.00			

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
BLUE MAX - GALS	5	231.85	ENGINEERING (24 HOUR) - DAY	1	950.00
ENGINEERING (DIEM) - DAY	1	50.00	FORKLIFT CHARGE - EA	1	150.00
GEL BULK - 100#SK	50	477.50	LIME (50) - SACK	6	42.84
MF-55 - 5GAL	15	1,482.75	SAPP STICK - EA	10	35.30
SHRINK WRAP (EA) - EA	10	105.00	SOAP STICKS EACH - EA	10	31.10
SODA ASH - 50#SK	2	55.48	TRUCKING (CWT) - EA	355	887.50

Bit/BHA/Workstring Information

No Run		Make	Model	Diam	Depth In	This Run Dist	R.O.P. Hrs	Avg	Max	WOB	RPM	Torque	Mud Wt	Pump Flow	Press	J. Vel	P. Drp	HHP	JIF	
2	1	BAKER	D506TW	12.25	552	4,448	58.5	76.0	100.0	38.00	50	14,	9	800	2750	172	244	114	656	
Jets: 18 18 18 18 18 18					Out:	Grade:	Cutter:	/	Dull:	/	Wear:	Brgs:	Gge:	Pull:						
BHA - No. 1 - BIT, MMTR, UBHO, NMDC, STAB, NMDC, STAB, SHOCK, 4 DC, XO, 19 HWDP, JAR, 5 HWDP = 1014.13																				

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)
3,443	5,000	76.0	100.0	38.00	40.00	50	50	10,000.	14,000.	800.00	800.00	2,750.00
Annular Velocity:		Drill Collars:		227.8		Drill Pipe:		156.8				

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	195.00	Pick Up:	210.00	Slack Off:	180.00	Drag Avg/Max:	10 / 20
Slow Circulation Data:								
Pump 1:	30 spm	125 psi	40 spm	165 psi	50 spm	210 psi		
Pump 2:	30 spm	150 psi	40 spm	185 psi	50 spm	220 psi		
Pump 3:	30 spm	145 psi	40 spm	170 psi	50 spm	215 psi		
Hours on BHA:	Since Inspection:	58.5	Total:	58.5	Jars:	58.5		
Hours on Casing/Liner:	Rotating:	58.5 /	Tripping:	/	<input checked="" type="checkbox"/> Wear Bushing Installed			

Survey Information

Survey Type	Meas. Depth		Inc.	Azimuth	TVD	Closure	Vertical Section	Coordinates		D.L.S.
								N-S	E-W	
MWD	3,417.0	13.58	80.2	3,387.3	260.3	-46.3	N 41.0	E 257.0	1.82	
MWD	3,511.0	13.23	79.2	3,478.8	282.1	-50.6	N 44.9	E 278.5	0.45	
MWD	3,605.0	13.80	80.9	3,570.2	304.0	-54.9	N 48.7	E 300.1	0.75	
MWD	3,700.0	14.68	83.0	3,662.2	327.4	-58.6	N 51.9	E 323.2	1.08	
MWD	3,794.0	13.54	81.0	3,753.4	350.3	-62.2	N 55.1	E 345.9	1.32	
MWD	3,889.0	13.19	76.8	3,845.8	372.2	-66.9	N 59.3	E 367.5	1.09	
MWD	3,983.0	14.42	79.4	3,937.1	394.6	-71.9	N 63.9	E 389.4	1.46	
MWD	4,078.0	13.71	78.1	4,029.3	417.7	-76.9	N 68.4	E 412.0	0.81	
MWD	4,172.0	13.80	79.7	4,120.6	440.0	-81.6	N 72.7	E 434.0	0.41	
MWD	4,266.0	12.66	79.1	4,212.1	461.5	-86.0	N 76.7	E 455.1	1.22	
MWD	4,361.0	11.78	76.5	4,304.9	481.6	-90.7	N 80.9	E 474.8	1.10	
MWD	4,455.0	12.57	76.9	4,396.8	501.4	-95.6	N 85.5	E 494.1	0.85	
MWD	4,559.0	13.76	77.2	4,498.1	525.1	-101.4	N 90.8	E 517.2	1.15	
MWD	4,644.0	12.18	78.0	4,580.9	544.1	-105.9	N 94.9	E 535.8	1.87	
MWD	4,739.0	10.20	80.6	4,674.1	562.5	-109.7	N 98.3	E 553.9	2.15	
MWD	4,833.0	11.78	77.9	4,766.4	580.5	-113.5	N 101.7	E 571.5	1.77	

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 7

Report For 06:00 AM 16-Mar-20

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	GALS	11,572	2,072		9,500	
Mud	GALS	7,597			7,597	

Safety Information

Meetings/Drills	Time	Description
Safety	30	HOUSE KEEPING RAINY WEATHER

First Aid Treatments:	Medical Treatments:	Lost Time Incidents:	Days Since LTI:
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check		

Weather Information

Sky Condition:	MOSTLY CLOUDY	Visibility:	5
Air Temperature:	57.00 degF	Bar. Pressure:	30.07
Wind Speed/Dir:	12 / S	Wind Gusts:	

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
H2S			AMPRO	DRL-240	250.00	13-Mar-20	
	Notes: H2S EQUIPMENT @ \$250						
Choke			MCGUIRE	DRL-240	300.00	13-Feb-20	
	Notes: HYDRAULIC CHOKE @ \$300						
Rotating Hd.			AIR DRIL	DRL-240	250.00	13-Mar-20	
	Notes: HYDRAULIC ROTATING HEAD @ \$250						
Trailer			TREND	DRL-240	1,880.00	13-Mar-20	
	Notes: 4 TRAILERS @ \$1880						
Frac Tanks			THORPE	DRL-245	200.00	13-Mar-20	
	Notes: 8 FRAC TANKS @ \$200						
Trans. Pump			RENTAL E	DRL-240	300.00	13-Mar-20	
	Notes: 4 TRANSFER PUMPS @ \$300						
Dumpster			H&S	DRL-240	65.00	13-Mar-20	
	Notes: PORT A JOHNS + TRASH TRAILER @ \$65						
Light Tower			APOLLO	DRL-240	275.00	13-Mar-20	
	Notes: HALO LIGHT PACKAGE @ \$275						
EDM			TOTCO	DRL-240	700.00	13-Mar-20	
	Notes: MD TOTCO @ \$700						
Mud logger			RILEY	DRL-230	0.00	06-Feb-20	
	Notes: MUD LOGGER @ \$1200						
OBM Control			DES	DRL-210	350.00	06-Feb-20	
	Notes: SOLIDS CONTROL OBM RATE @ \$3650						
Steam Clean			RENTAL E	DRL-210	40.00	13-Mar-20	
	Notes: OBM WASHER @ \$40						
Directional			SEM	DRL-231	0.00	13-Mar-20	
	Notes: GEO STEERING @ \$1000						

**Daily Drilling Report**

Well ID: 42-383-40844

Field: Texon

SEM Operating Company, LLC

Well Name: University 9C 3609WB

Sect: 36 County: Reagan State: TX

Report No: 7

Report For 06:00 AM 16-Mar-20

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Mud Bucket			STABIL	DRL-210	85.00	13-Mar-20	
	Notes: MUD BUCKET @ \$85						
TANK			DIAMOND	DRL-245	355.00	13-Mar-20	
	Notes: 4 UPRIGHT OBM TANKS @ \$355						
SPOOLS			MONAHANS	DRL-240	355.00	13-Mar-20	
	Notes: 10K SPACER SPOOL @ \$130						
Containment			KATCH	DRL-241	0.00	06-Feb-20	
	Notes: KATCH KAN @ \$75						
TANK			THOMAS	DRL-245	50.00	13-Mar-20	
	Notes: DIESEL TANK FOR OFFICE GENERATOR @ \$50						
Fas-line			SEM	DRL-213	1,000.00	13-Mar-20	
	Notes: WATER, POLY LINE @ \$1000						
Pre Mix			PMS	DRL-240	225.00	13-Mar-20	
	Notes: PRE MIX TANK @ \$225						
JARS			AIR DRIL	DRL-244	400.00	06-Feb-20	
	Notes: DRILLING JARS @ \$400						
DP/HAND TO				DRL-244	3,850.00	06-Feb-20	
	Notes: TOMAX TOOL @ \$3850/ STAND BY \$395						
Total Daily Rental Cost \$:					10,930.00		