



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 4

Report For 06:00 AM 13-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$):		
Measured Depth (ft):	866	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):		Next Casing:		RKB Elevation (ft):	B22012		
Proposed TD (ft):	18121	Last BOP Test:		Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	
Average ROP (ft/hr):						Well Cost (\$):	
Drilling Days (act./plan):	2/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	2/0	Days On Location:	2
Pers/Hrs:	Operator: 2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0 Total: 22 / 288

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

Current Operations: PICKING UP VERTICAL BHA

Planned Operations: TIH TO F/C, SLIP AND CUT DRILLING LINE, DRILL SHOE TRACK AND VERTICAL SECTION AS PER PLAN 2

Toolpusher: RICK AGUILAR

Wellsite Supervisors: BERT DIAZ, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	11:00	5.00	866	SKID	PJSM, PREP AND SKID RIG F/ UNIVERSITY 40 2121 WC TO UNIVERSITY 40 2117 WC, STOP AND ADJUST MATTING BOARDS, SUIT CASES AND ACCUMULATOR SKID AS NEEDED AND CENTER OVER WELL.	
11:00	14:00	3.00	866	BOPNU	REMOVE CAP AND P/UP AND NIPPLE UP BOPS. REMOVE WALKING FEET FROM SHAKER TANK, CONDITION MUD IN PITS, INSTALL TURNBUCKLES AND PULL CHECK VALVE WHILE NIPPLING UP BOPS.	
14:00	14:30	0.50	866	SERV	RIG SERVICE - TOP DRIVE AND CHANGE OUT CHICKSAND ON MUD LINE	
14:30	17:00	2.50	866	TEST	PJSM WITH MONAHANS TESTER, MAKE UP TEST PLUG AND ATTEMPT TO TEST, CHANGE OUT TEST PLUG.*(NOTE CUTTING MUD WT FRO 10.0PPG BACK TO 8.9 PPG)	
17:00	23:00	6.00	866	TEST	CONTINUE TEST BOP TEST BLIND RAMS & LOWER PIPE RAMS TOP PIPE INSIDE OUT SIDE KILL LINE VALVES & HCR AND 4" MANUEL VALVE TO 250 LOW 5000 HIGH, HYDRILL TO 250 LOW, 3500 HIGH, TEST ALL FLOOR VALVES TO 250 LOW, & 5000 HIGH,TEST STAND PIPE BACK TO MUD PUMPS 250 LOW 5700 HIGH, RIG DOWN TEST TOOLS, (NOTE CUTTING MUD WT F/10. PPG TO 8.9 TRANSFER 500 BBLS MUD BACK TO FRAC TANKS)	
23:00	23:30	0.50	866	TESTCA	TEST CASING TO 1500 PSI FOR 30 MIN OK.(CONTINUE TRANSFER MUD TO PIT AND CUT WT F/10.0 TO 8.9)	
23:30	0:00	0.50	866	WEAR	INSTALL WEAR BUSHING,	
0:00	0:30	0.50	866	OTHER	INSTALL TRIP NIPPLE AND OVER BOARD LINE (NOTE CUTTING MUD WT BACK F/ 10.0 TO 8.9 PPG)	
0:30	1:00	0.50	866	CRF	CLEAN OFF RIG FLOOR	
1:00	2:30	1.50	866	OTHER	CHECK DIES ON ST-80 ALL DC & DP SLIPS COLLAR CLAMPS CHANGE OUT SHAKER SCREENS TO 140.	
2:30	3:30	1.00	866	DIR	LOAD UP DIRECTIONAL TOOLS, STRAP AND CALIPER	
3:30	6:00	2.50	866	DIR	PJSM, , P/U VERTICAL MOTOR S/N-700019 , M/U 8.75 BIT D507VTWZ , P/U STAB , SCRIBE MOTOR , INSTALL MWD	

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	15,337.70	15,337.70	135,858.64	331,578.64	5.10 %
Totals \$:		6,503,678.00	15,338.00	15,338.00	135,859.00	331,579.00	5.10 %

Mud Information

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	
12-Jan-22 18:00 at Depth 866 ft Mud Pits																					
9.00	39.00	2.00	7.00	13.8	2		3.4	70	30			40000	86776		5	7	9				



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 4

Report For 06:00 AM 13-Jan-22

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
ENGINEERING (24 HOUR) - DAY	1	895.00			

Rig Information

Equipment Problems:

Location Condition:

Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom
Shaker No 1:	140	140	140	140
Shaker No 2:	140	140	140	140
Shaker No 3:	140	140	140	140

Bulk Inventory

Comments: TRANSFER DIESEL FROM UNIVERSITY 40 2121 WC TO UNIVERSITY 40 2117 WC.

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel		12,496	803	2,002	13,695	1,199
Mud		12,600	4,570	5,200	13,230	630
Extra Fuel Tank		8,705			8,705	

Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5.00	450	19.50	S-135	4.5IF					

Safety Information

Meetings/Drills Time

Description

Safety 30 FIRST DAY BACK STAYING FOCUSED ON JOB AT HAND WALKING RIG

First Aid Treatments:

Medical Treatments:

Lost Time Incidents:

Days Since LTI:

☐ BOP Test

☒ Crownamatic Check

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	250.00	13-Jan-22	
Notes: LIGHT TOWER X 5 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1,000.00	13-Jan-22	
Notes: 1000 PEER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1.00	13-Jan-22	



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 4

Report For 06:00 AM 13-Jan-22

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					16,770.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 6

Report For 06:00 AM 15-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:		Daily Cost / Mud (\$):	--
Measured Depth (ft):	6244	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6214	Next Casing:	5.50 at 18,121	RKB Elevation (ft):		B22012	-- --
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	4,317 / 20.0	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	-- --
Average ROP (ft/hr):	215.85					Well Cost (\$):	--
Drilling Days (act./plan):	4/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	4/0	Days On Location:	4
Pers/Hrs: Operator:	2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0 Total: 22 / 288

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

Current Operations: TOO H @ 4500'.

Planned Operations: TD 8 3/4" VERTICAL SECTION @ 6,244' TOO H FOR CURVE BHA CHANGE BHA TIH.

Toolpusher: RICK AGUILAR

Wellsite Supervisors: BERT DIAZ, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	6:30	0.50	2,143	DRIL	ROT F/1,927' T/2,113', WOB 35, RPM 60, GPM 600, DIFF 600, SPP 2300, TORQ 9K. SLIDE F/2,113' T/2,143' WOB 25, GPM 600, SPP 2300, DIFF 200 TF 25 MAG	
6:30	7:30	1.00	2,260	DRIL	ROT F/2,143' T/2,211', WOB 35, RPM 60, GPM 600, DIFF 600, SPP 2300, TORQ 9K. SLIDE F/2,211' T/2,260' WOB 25, GPM 600, SPP 2300, DIFF 200 TF 5 MAG	
7:30	8:30	1.00	2,434	DRIL	ROT F/2,260' T/2,394', WOB 35, RPM 60, GPM 600, DIFF 600, SPP 2300, TORQ 9K. SLIDE F/2,394' T/2,434' WOB 25, GPM 600, SPP 2300, DIFF 200 TF 140 MAG	
8:30	9:00	0.50	2,554	DRIL	ROT F/2,434' T/2,554', WOB 35, RPM 60, GPM 600, DIFF 600, SPP 2300, TORQ 9K.	
9:00	10:00	1.00	2,554	SERV	RIG SERVICE ON TOP DRIVE	
10:00	11:00	1.00	2,778	DRIL	ROT F/2,554' T/2,748', WOB 35, RPM 60, GPM 600, DIFF 600, SPP 2350, TORQ 9K. SLIDE F/2,748' T/2,778' WOB 25, GPM 600, SPP 2350, DIFF 200 TF 130 MAG	
11:00	12:00	1.00	3,056	DRIL	ROT F/2,778' T/3,031', WOB 35, RPM 60, GPM 600, DIFF 600, SPP 2450, TORQ 9K. SLIDE F/3,031' T/3,056' WOB 25, GPM 600, SPP 2300, DIFF 200 TF 290 MAG	
12:00	13:00	1.00	3,336	DRIL	ROT F/3,056' T/3,311', WOB 35, RPM 60, GPM 600, DIFF 600, SPP 2450, TORQ 10K. SLIDE F/3,311' T/3,336' WOB 25, GPM 600, SPP 2300, DIFF 200 TF 300 MAG	
13:00	18:00	5.00	4,711	DRIL	ROT F/3,336' T/4,711', WOB 35, RPM 60, GPM 600, DIFF 600, SPP 2450, TORQ 10K	
18:00	18:30	0.50	4,717	DRIL	SLIDE F/4,711' T/4,717' WOB 25, GPM 600, SPP 2300, DIFF 200 TF 290 MAG	
18:30	3:00	8.50	6,244	DRIL	ROT F/4,717' T/6,244', WOB 35, RPM 55, GPM 610, DIFF 600/700, SPP 2950, TORQ 10/12K	
3:00	4:30	1.50	6,244	CIRC	PUMP 40 BBL HI VIS SWEEP & CIRCULATE HOLE CLEAN	
4:30	5:00	0.50	6,244	FLOW	FLOW CHECK OK PUMP SLUG.	
5:00	6:00	1.00	6,244	TRPO	TOOH F/6,244' T/4,500'.', FOR CURVE BHA (SLM)	

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	46,451.76	64,659.41	101,335.05	497,013.64	7.64 %
Totals \$:		6,503,678.00	46,452.00	64,659.00	101,335.00	497,014.00	7.64 %



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 6

Report For 06:00 AM 15-Jan-22

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-Jan-22 18:00 at Depth 4,706 ft Mud Pits, Type: Oil Base Mud																					
9.00	50.00	9.00	5.00	8.1	2		6.8	70.1	21.8		3.12	35000	134011		3	4	5		09.00	410.00	

Mud Consumables

Item Description			Qty.	Cost	Item Description			Qty.	Cost
AES MUL X (GAL) - GALS			130	1,483.30	AES VIS III (50) - 50#SK			16	1,620.80
AES VIS LS (50) - 50#SK			16	1,439.68	AES WA II (50) - GALS			125	1,353.75
BLOWER USAGE - EA			1	695.00	BULK BARITE TANK RENTAL - EA			1	295.00
CACL2 (50) - 50#SK			112	1,674.40	ENGINEERING (24 HOUR) - DAY			1	895.00
FLR PLUS (50) - 50#SK			20	1,842.80	FORKLIFT CHARGE - EA			1	150.00
LIME (50) - 50#SK			40	277.20	LIQUID MUD RENTAL - EA			2053	2,053.00
OIL SORB (50) - 50#SK			40	312.80	SHRINK WRAP (EA) - EA			10	105.00
TRUCKING (CWT) - EA			326	733.50					

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			
1	2	BAKER	D507VTM	8.75	1176	5,093	27	188.6	275.0	35.00	60	19.00	9	610	3000							
Jets:					Out: 6244		Grade: Cutter:		/		Dull:		/		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 1 - BIT, MMTR, STAB, UBHO, 2 NMDC, XO, 15 DC, XO, HWDP = 1391.03																						

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		
1,927	6,244	188.0	275.0	35.00	35.00	60	50	10.00	19.00	610.00	610.00	3,500.00	
Annular Velocity:				Drill Collars: 435.7		Drill Pipe: 290.0							

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate: 225.00		Pick Up: 230.00		Slack Off: 220.00		Drag Avg/Max: 8 / 14	
Slow Circulation Data:									
Pump 1:		30 spm	320 psi	40 spm		380 psi		50 spm	440 psi
Pump 2:		30 spm	320 psi	40 spm		380 psi		50 spm	420 psi
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	170	200	140
Shaker No 2:	200	200	200	200
Shaker No 3:	200	170	200	170

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel		12,671	2,215	3,404	13,860	1,189
Mud		12,390	13,941	11,001	9,450	-2,940
Extra Fuel Tank		8,705			8,705	

Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5.00	450	19.50	S-135	4.5IF					



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 6

Report For 06:00 AM 15-Jan-22

Safety Information

Meetings/Drills	Time	Description
-----------------	------	-------------

Safety	30	MAKE CONNECTIONS HIGH WINDS HOUSE KEEPING
--------	----	---

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 CLEAR	Visibility:	7
----------------	--------------	-------------	---

Air Temperature:	40.00 degF	Bar. Pressure:	30.07
------------------	------------	----------------	-------

Wind Speed/Dir:	28 / N	Wind Gusts:	
-----------------	--------	-------------	--

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	0.10	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					15,820.10		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 7

Report For 06:00 AM 16-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$): --		
Measured Depth (ft):	6602	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6553	Next Casing:	5.50 at 18,121	RKB Elevation (ft):		B22012	-- --
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	358 / 7.5	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	-- --
Average ROP (ft/hr):	47.73					Well Cost (\$):	--
Drilling Days (act./plan):	5/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	5/0	Days On Location:	5
Pers/Hrs:	Operator: 2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0
				Total:		22 / 288	

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

Current Operations: CHANGE O RING ON STAND PIPE BETWEEN PUMPS WORKING PIPE @ 6,110". WORKING, ON # 1 PUMP.

Planned Operations: CONTINUE DRILL CURVE MWD SURVEY SERVICE RIG, CIRCULATE SWEEPS OUT TOO H FOR LATERAL BHA

Toolpusher: RICK AGUILAR

Wellsite Supervisors: BERT DIAZ, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	8:00	2.00	6,244	TRPO	TOOH F/4500' TO 1800', SLM.	
8:00	8:30	0.50	6,244	INSTAL	REMOVE ROTATING HEAD AND INSTALL TRIP NIPPLE.	
8:30	9:00	0.50	6,244	TRPO	TOOH F/1800' TO 558', SLM.	
9:00	10:30	1.50	6,244	BHAOP	TOOH WITH HEAVY WT DP AND 6.5 DRILL COLLARS	
10:30	11:30	1.00	6,244	DIR	PJSM, LAY DOWN MWD, MONEL, DRAIN MOTOR, BREAK BIT.	
11:30	12:00	0.50	6,244	CRF	CLEAN RIG FLOOR	
12:00	13:30	1.50	6,244	DIR	PICK UP MOTOR AND SCRIBE, MAKE UP BIT, INSTALL MWD AND PICK UP FLEX MONEL.	
13:30	14:30	1.00	6,244	TRPI	TIH F/92' TO 1437'	
14:30	15:00	0.50	6,244	SERV	RIG SERVICE, TOP DRIVE, SHALLOW TEST MWD	
15:00	18:00	3.00	6,244	TRPI	TIH F/1437' TO 6000'	
18:00	18:30	0.50	6,244	INSTAL	REMOVE TRIP NIPPLE AND INSTALL ROTATING HEAD	
18:30	20:00	1.50	6,244	WASH	FILL PIPE WASH DOWN F/ 6199' TO BOTTOM @ 6,244'	
20:00	0:30	4.50	6,444	DRIL	ORIENTATE TOOL FACE & SLIDE F/6,244' T/ 6,444' WOB 30, GPM 600, DIFF 300, TF-170 MAG.	
0:30	1:30	1.00	6,444	SERV	RIG SERVICE & CHANG CAP GASKET ON #3 SUCTION ON #1 PUMP HAS SMALL WASH.	
1:30	4:00	2.50	6,573	DRIL	SLIDE F/6,444' T/ 6,573' WOB 25/30, GPM 600, DIFF 300, TF-180 MAG.	
4:00	4:30	0.50	6,602	DRIL	ROT F/6573' T/6602', WOB 30, RPM 20, DIFF 500, GPM 600, PP 2500, TORQ 10K	
4:30	5:00	0.50	6,602	TRPO	TOOH F/6602', T/6,199'.	X
5:00	6:00	1.00	6,602	REPR	WORKING PIPE @ 6110' WHILE CHANGE O RING ON STAND PIPE BETWEEN PUMPS REMOVE THREAD RING ON #1 PUMP MODULE #3 SUCTION SO WELDER CAN WELD UP WASH.	X

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	27,998.97	92,658.38	102,804.57	599,818.21	9.22 %
Totals \$:		6,503,678.00	27,999.00	92,658.00	102,805.00	599,818.00	9.22 %

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-Jan-22 18:00 at Depth 6,244 ft Mud Pits, Type: Oil Base Mud																								
9.00	54.00	9.00	5.00	16.6	2		6.5	69.8	22.3		3.4	38500	13046		3	4	5			119.00				

**Daily Drilling Report**

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 7

Report For 06:00 AM 16-Jan-22

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES MUL X (GAL) - GALS	50	570.50	AES VIS III (50) - 50#SK	8	810.40
AES VIS LS (50) - 50#SK	15	1,349.70	AES WA II (50) - GALS	60	649.80
BARITE BULK (100) - 100#SK	75	861.75	BLUE MAX - GALS	15	113.40
CACL2 (50) - 50#SK	57	852.15	ENGINEERING (24 HOUR) - DAY	1	895.00
FLR PLUS (50) - 50#SK	11	1,013.54	LIME (50) - 50#SK	15	103.95

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	BAKER	D507VTM	8.75	891	285	2.5													
Jets: 16 16 16 16 16 16					Out: 1176		Grade: Cutter:		1 / 1		Dull: NO / NO		Wear: A		Brgs: X		Gge: 0		Pull: BHA	
1	2	BAKER	D507VTM	8.75	1176	5,093	27													
Jets: 16 16 16 16 16 16					Out: 6244		Grade: Cutter:		1 / 1		Dull: NO / NO		Wear: A		Brgs: X		Gge: 0		Pull: BHA	
2	1	BAKER	DD406X	8.75	6244	358	7.5	47.7	100.0	35.00	20	10.00	9	600	2500	163	215	75	457	
Jets: 16 16 16 16 16 16					Out:		Grade: Cutter:		/		Dull: /		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 2 - BIT, MMTR, UBHO, NMDC, NMFLEX, 28 DP, HWDP = 2173.33																				

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
6,244	6,602	44.7	100.0	30.00	35.00	20	20	10.00	10.00	600.00	600.00	2,500.00	
Annular Velocity:		Drill Collars:		428.6	Drill Pipe:		285.2						

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate: 198.00		Pick Up: 225.00		Slack Off: 165.00		Drag Avg/Max: 25 / 30	
Slow Circulation Data:									
Pump 1:		30 spm	320 psi	40 spm		380 psi		50 spm	440 psi
Pump 2:		30 spm	320 psi	40 spm		380 psi		50 spm	420 psi
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	170	200	200
Shaker No 2:	200	200	200	200
Shaker No 3:	200	170	200	170

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel		13,860	1,364		12,496	
Mud		9,450	2,177	7,217	14,490	5,040
Extra Fuel Tank		8,705			8,705	

Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5.00	450	19.50	S-135	4.5IF					

Safety Information

Meetings/Drills	Time	Description
Safety	30	WORKING ON PUMPS AND CHECKING VALVES ON PUMPS WORKING IN HIGH WINDS.
First Aid Treatments:		Medical Treatments:
Lost Time Incidents:		Days Since LTI:
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check	



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 7

Report For 06:00 AM 16-Jan-22

Weather Information

Sky Condition:	CLEAR	Visibility:	10
Air Temperature:	23.00 degF	Bar. Pressure:	30.3
Wind Speed/Dir:	3 / S	Wind Gusts:	

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	0.10	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							

Total Daily Rental Cost \$: 16,819.10

**Daily Drilling Report**

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 8

Report For 06:00 AM 17-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$): --		
Measured Depth (ft):	7542	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6895	Next Casing:	5.50 at 18,121	RKB Elevation (ft):	B22012	--	--
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	940 / 10.0	Next BOP Test:	03-Feb-22	Working Interest:	Totals:	--	--
Average ROP (ft/hr):	94.0				Well Cost (\$):		--
Drilling Days (act./plan):	6/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	6/0	Days On Location:	6
Pers/Hrs:	Operator: 2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0 Total: 22 / 288

Safety Summary: 1 First Aid Treatment reported. Conducted Crown Check, Safety Meeting.

Current Operations: TIH WITH LATERAL BHA @ 2,200'.

Planned Operations: TIH WITH LATERAL BHA & DRILL 8.3/4" LATERAL AS PER PLAN #2 MWD SURVEYS SERVICE RIG.

Toolpusher: RICK AGUILAR

Wellsite Supervisors: BERT DIAZ, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	7:00	1.00	6,602	REPR	REPAIR MUD LINE AND CAP GASKET, TIH TO 6202'	X
7:00	7:30	0.50	6,647	DRIL	ROT F/6,602' T/6,647', WOB 30, RPM 20, DIFF 675, GPM 600, SPP 2200, TORQ 12K	
7:30	8:00	0.50	6,662	DRIL	SLIDE F/6,647' T/ 6,662' WOB 20, SPP 2150 GPM 600, DIFF 300, TF-HS	
8:00	9:00	1.00	6,839	DRIL	ROT F/6,662' T/6,839', WOB 30, RPM 20, DIFF 675, GPM 600, SPP 2200, TORQ 12K	
9:00	9:30	0.50	6,859	DRIL	SLIDE F/6,839' T/ 6,859' WOB 20, SPP 2150, GPM 650, DIFF 250, TF-90L	
9:30	11:00	1.50	7,094	DRIL	ROT F/6,859' T/7,094', WOB 30, RPM 20, DIFF 675, GPM 600, SPP 2250, TORQ 12K	
11:00	12:00	1.00	7,140	DRIL	SLIDE F/7,094' T/ 7,140' WOB 20, SPP 2150, GPM 650, DIFF 250, TF-HS	
12:00	12:30	0.50	7,184	DRIL	ROT F/7,140' T/7,184', WOB 30, RPM 20, DIFF 650, GPM 600, SPP 2300, TORQ 12K	
12:30	13:30	1.00	7,234	DRIL	SLIDE F/7,184' T/ 7,234' WOB 20, SPP 2150, GPM 600, DIFF 250, TF-HS	
13:30	14:00	0.50	7,287	DRIL	ROT F/7,234' T/7,287', WOB 30, RPM 20, DIFF 500, GPM 675, SPP 2300, TORQ 13K	
14:00	14:30	0.50	7,313	DRIL	SLIDE F/7,287' T/ 7,313' WOB 20, SPP 2150, GPM 600, DIFF 280, TF-HS	
14:30	15:00	0.50	7,375	DRIL	ROT F/7,313' T/7,375', WOB 30, RPM 20, DIFF 500, GPM 675, SPP 2300, TORQ 13K	
15:00	15:30	0.50	7,415	DRIL	SLIDE F/7,375' T/ 7,415' WOB 20, SPP 2150, GPM 600, DIFF 300, TF-HS	
15:30	16:00	0.50	7,472	DRIL	ROT F/7,415' T/7,472', WOB 30, RPM 20, DIFF 500, GPM 675, SPP 2300, TORQ 13K	
16:00	16:30	0.50	7,495	DRIL	SLIDE F/7,472' T/ 7,495' WOB 20, SPP 2150, GPM 600, DIFF 300, TF-HS	
16:30	17:00	0.50	7,542	DRIL	ROT F/7,495' T/7,542', WOB 30, RPM 20, DIFF 500, GPM 675, SPP 2300, TORQ 13K	
17:00	18:30	1.50	7,542	CIRC	PUMP HI VIS SWEEP & CIRCULATE PLUS BOTTOMS UP, FLOW CHECK, PUMP SLUG.	
18:30	20:00	1.50	7,542	TRPO	TOOH F/7542' T/5800'.	
20:00	20:30	0.50	7,542	INSTAL	PULL ROTATE HEAD INSTALL TRIP NIPPLE.	
20:30	0:00	3.50	7,542	TRPO	CONTINUE TOOH F/5800' TO 92'.	
0:00	2:00	2.00	7,542	BHAOP	PJSM LAY DOWN FLEX COLLAR DRAIN MOTOR BREAK BIT LAY DOWN MWD. (NOTE FUNCTION TEST BLIND RAMS)	
2:00	2:30	0.50	7,542	CRF	CLEAN OIL BASE MUD OFF RIG FLOOR	
2:30	4:30	2.00	7,542	BHAOP	PICK UP NEW PATRIOT MOTOR 7" 7/8 6.98 FIXED @ 1.75 UBHO SUB SCRIBE MOTOR MAKE UP BIT. (REPROGRAM MWD TOOL)	
4:30	5:00	0.50	7,542	TRPI	TIH WITH LATERAL BHA F/96' TO 1000' TEST MWD OK.	
5:00	6:00	1.00	7,542	TRPI	CONTINUE TIH F/1000' T/2200'.	

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	9.63	0		866		SURF	12.50	40.00	J-55	

**Daily Drilling Report**

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 8

Report For 06:00 AM 17-Jan-22

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	23,313.19	115,971.57	85,465.70	685,283.91	10.54 %
Totals \$:		6,503,678.00	23,313.00	115,972.00	85,466.00	685,284.00	10.54 %

Mud Information

%														Gels			Temp		Mud
Dens.	Vis	PV	YP	Filt.	Cake	pH/ES	Solids	Oil	Water	Sand	LGS	Cl	Ca	CaCl	10s	30m	In	Out	Loss
16-Jan-22 18:00 at Depth 7,542 ft Mud Pits, Type: Oil Base Mud																			
9.00	17.00	0.00	5.00	10.2	2		6.9	68.2	23.4		4.5	41000	15532		4	5	6		186.00

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES MUL X (GAL) - GALS	170	1,939.70	AES VIS III (50) - 50#SK	10	1,013.00
AES VIS LS (50) - GALS	10	899.80	AES WA II (50) - GALS	165	1,786.95
BARITE BULK (100) - 100#SK	258	2,964.42	CACL2 (50) - 50#SK	85	1,270.75
ENGINEERING (24 HOUR) - DAY	1	895.00	FLR PLUS (50) - 50#SK	11	1,013.54
LIME (50) - 50#SK	75	519.75			

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
2	1	BAKER	DD406X	8.75	6244	1,298	17.5	74.2		30.00	25		9	600	3300	163	215	75	457
Jets: 16 16 16 16 16 16					Out: 7542		Grade: Cutter:		1 / 1		Dull: NO / NO		Wear: A		Brgs: X		Gge: 0		Pull: BHA
BHA - No. 3 - BIT, MMTR, UBHO, 2 NMDC, 80 DP, AGITAT, 188 DP, 27 HWDP = 12935.32																			

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		
6,602	7,542	72.0	100.0	30.00	35.00	25	25	10.00	10.00	600.00	600.00	3,300.00	
Annular Velocity: Drill Collars:				474.4	Drill Pipe: 285.2								

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		Pick Up:		Slack Off:		Drag Avg/Max:		/	
Slow Circulation Data:											
Pump 1:		30 spm	320 psi	40 spm		380 psi		50 spm		440 psi	
Pump 2:		30 spm	320 psi	40 spm		380 psi		50 spm		420 psi	
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	170	200	200
Shaker No 2:	200	200	200	200
Shaker No 3:	200	170	200	170

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel		12,496	1,392	3,400	14,504	2,008
Mud		14,490	3,170	3,800	15,120	630
Extra Fuel Tank		8,705			8,705	

Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5.00	450	19.50	S-135	4.5IF					



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 8

Report For 06:00 AM 17-Jan-22

Safety Information

Meetings/Drills	Time	Description
Safety	30	TRIP OUT HOLE CHANGE BHA
First Aid Treatments:	1	Medical Treatments:
Lost Time Incidents:		Days Since LTI:
Accident Description: Floorhand was climbing up stairs on Driller's side stairway, slipped and fell backwards. First aid at rig, no medical attention requested.		
<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
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1,200.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					18,019.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 9

Report For 06:00 AM 18-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$): --		
Measured Depth (ft):	9491	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6883	Next Casing:	5.50 at 18,121	RKB Elevation (ft):	B22012	--	--
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	1,949 / 16.0	Next BOP Test:	03-Feb-22	Working Interest:	Totals:	--	--
Average ROP (ft/hr):	121.81				Well Cost (\$):		--
Drilling Days (act./plan):	7/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	7/0	Days On Location:	7
Pers/Hrs:	Operator: 2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0
						Total:	22 / 288

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

Current Operations: DRILL LATERAL @ 9,491".

Planned Operations: CONTINUE DRILLING 8 3/4" LATERAL AS PER PLAN #2, MWD SURVEY SERVICE RIG

Toolpusher: RICK AGUILAR

Wellsite Supervisors: BERT DIAZ, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	8:30	2.50	7,542	TRPI	CK COM, TIH F/2,200' TO 6,300'	
8:30	9:00	0.50	7,542	INSTAL	REMOVE TRIP NIPPLE AND INSTALL ROTATING HEAD	
9:00	9:30	0.50	7,542	TRPI	TIH F/6,300' TO 7,453'	
9:30	10:00	0.50	7,542	WASH	BREAK CIRCULATION, WAS F/7,453' TO 7,542'	
10:00	10:30	0.50	7,660	DRIL	ROT F/7,542' T/7,640', WOB 30, RPM 40, GPM 600, DIFF 600, SPP 2300, TORQ 10K. SLIDE F/7,640' T/7,660' WOB 20, GPM 600, SPP 2300, DIFF 200 TF 180	
10:30	11:30	1.00	7,811	DRIL	ROTATE F/ 7,660' WT/ 7,811' WOB 30 RPM 70 GPM 600 DIFF 600 SPP 2300	
11:30	12:00	0.50	7,841	DRIL	SLIDE F/ 7,811' T/ 7,841' WOB 20 TF 40R DIFF 225 GPM 600	
12:00	13:00	1.00	8,187	DRIL	ROTATE F/ 7,841' WT/ 8,187" WOB 30 RPM 70 GPM 600 DIFF 600 SPP 2300	
13:00	13:30	0.50	8,207	DRIL	SLIDE F/ 8,187" T/ 8,207' WOB 20 TF 50R DIFF 225 GPM 600	
13:30	14:00	0.50	8,279	DRIL	ROTATE F/ 8,207' T/ 8,279' WOB 30 RPM 70 GPM 600 DIFF 600 SPP 2300	
14:00	14:30	0.50	8,309	DRIL	SLIDE F/ 8,279' T/ 8,309' WOB 20 TF 75R DIFF 225 GPM 600	
14:30	15:00	0.50	8,358	DRIL	ROTATE F/ 8,309' T/ 8,353' WOB 30 RPM 70 GPM 600 DIFF 600 SPP 2300	
15:00	15:30	0.50	8,430	DRIL	SLIDE F/ 8,383' T/ 8,430' WOB 20 TF 80R DIFF 225 GPM 600	
15:30	16:00	0.50	8,536	DRIL	ROTATE F/ 8,430' T/ 8,536' WOB 30 RPM 70 GPM 600 DIFF 600 SPP 2300	
16:00	16:30	0.50	8,560	DRIL	SLIDE F/ 8,536' T/ 8,560' WOB 20 TF 20R DIFF 225 GPM 600	
16:30	17:30	1.00	8,810	DRIL	ROTATE 8,560' T/ 8,810' WOB 30 RPM 70 GPM 600 DIFF 600 SPP 2400	
17:30	19:30	2.00	8,870	DRIL	SLIDE F/ 8,810' T/ 8,870' WOB 20 TF 65R DIFF 225 GPM 600	
19:30	20:00	0.50	8,870	TRPO	PULL FOUR STANDS HWDP.8870' TO 8521'.	
20:00	21:30	1.50	8,870	REPR	CHANGE OUT SAVER SUB	X
21:30	22:30	1.00	8,870	SERV	SERVICE TOP DRIVE AND BLOCKS	
22:30	23:00	0.50	8,870	TRPI	TIH WITH DP F/8521' 8794'	
23:00	23:30	0.50	8,870	WASH	WASH DOWN F/8794 TO 8870'.	
23:30	0:30	1.00	8,985	DRIL	ROTATE 8,870' T/ 8,985' ' WOB 30 RPM 70 GPM 600 DIFF 600 SPP 2400	
0:30	1:30	1.00	9,005	DRIL	SLIDE F/ 8,985' T/ 9,005' WOB 20 TF 60R DIFF 225 GPM 600	
1:30	2:30	1.00	9,170	DRIL	ROTATE 9,005' T/ 9,170' ' WOB 30 RPM 70 GPM 610 DIFF 600 SPP 3000 TORQ 14K	
2:30	3:30	1.00	9,195	DRIL	SLIDE F/ 9,170' T/ 9,195' WOB 20 TF 75R DIFF 225 GPM 600	
3:30	5:00	1.50	9,436	DRIL	ROTATE 9,195' T/ 9,436' ' WOB 30 RPM 65 GPM 610 DIFF 600 SPP 3300 TORQ15K	
5:00	6:00	1.00	9,491	DRIL	SLIDE F/ 9,436' T/ 9,491' WOB 20 TF 70R DIFF 225 GPM 600	

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	9.63	0		866		SURF	12.50	40.00	J-55	



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 9

Report For 06:00 AM 18-Jan-22

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	16,372.60	132,344.17	82,134.50	767,418.41	11.80 %
Totals \$:		6,503,678.00	16,373.00	132,344.00	82,135.00	767,418.00	11.80 %

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		
17-Jan-22 18:00 at Depth 8,826 ft Mud Pits, Type: Oil Base Mud																						
9.30	17.00	0.00	6.00	11.2	2		8.4	67.2	23		4.7	38000	05766		5	7	8		17.00	96.00		

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES VIS III (50) - 50#SK	2	202.60	AES WA II (50) - GALS	50	541.50
BARITE BULK (100) - 100#SK	75	861.75	BLUE MAX - GALS	25	189.00
CACL2 (50) - 50#SK	15	224.25	ENGINEERING (24 HOUR) - DAY	1	895.00
FLR PLUS (50) - 50#SK	1	92.14	LIME (50) - 50#SK	10	69.30
TRUCKING BULK CWT - EA	408	1,122.00			

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			
3	1	BAKER	DD506TX	8.75	7542	1,949	14.5	134.4	200.0	30.00	70	15.00	9	610	2800	131	143	51	386			
Jets: 18 18 18 18 18 18					Out:		Grade: Cutter:		/		Dull:		/		Wear:		Brigs:		Gge:		Pull:	
BHA - No. 3 - BIT, MMTR, UBHO, 2 NMDC, 80 DP, AGITAT, 188 DP, 27 HWDP = 12935.32																						

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		
7,542	9,491	147.0	200.0	30.00	35.00	65	75	14.00	18.00	610.00	610.00	3,400.00	
Annular Velocity: Drill Collars:				482.3	Drill Pipe:				290.0				

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		175.00	Pick Up:		240.00	Slack Off:		150.00	Drag Avg/Max:		35 / 65
Slow Circulation Data:													
Pump 1:		30 spm	380 psi	40 spm	440 psi	50 spm	480 psi						
Pump 2:		30 spm	400 psi	40 spm	440 psi	50 spm	480 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
7,542	9,322	6,894	6,883	242.00	443.00	8814	437.00					9.30					
Formation Name: WOLFCAMPC																	
Lithology:		80% SHALE 20% SILT @ 9198'.															

Rig Information

Equipment Problems:																	
Location Condition:																	
Transport:																	

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom
Shaker No 1:	200	170	200	200
Shaker No 2:	200	200	200	200
Shaker No 3:	200	170	200	170

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel		14,504	1,678	3,000	15,826	1,322
Mud		15,120	1,682	4,202	17,640	2,520



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 9

Report For 06:00 AM 18-Jan-22

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Extra Fuel Tank		8,705			8,705	

Drill Pipe Inventory

DP Size	Joints	Weight	Grade	Thread	DP Size	Joints	Weight	Grade	Thread
5.00	450	19.50	S-135	4.5IF					

Safety Information

Meetings/Drills	Time	Description
-----------------	------	-------------

Safety 30 HOUSE KEEPING AND CLEAN RIG.

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

☐ BOP Test ☒ Crownamatic Check

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1,200.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 9

Report For 06:00 AM 18-Jan-22

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Total Daily Rental Cost \$:					18,019.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 10

Report For 06:00 AM 19-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:		Daily Cost / Mud (\$):	-
Measured Depth (ft):	11142	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6883	Next Casing:	5.50 at 18,121	RKB Elevation (ft):		B22012	- -
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	1,651 / 22.5	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	- -
Average ROP (ft/hr):	73.38					Well Cost (\$):	-
Drilling Days (act./plan):	8/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	8/0	Days On Location:	8
Pers/Hrs: Operator:	2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0
						Total:	22 / 288

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

Current Operations: DRILL LATERAL @ 11,142'.

Planned Operations: CONTINUE DRILLING 8 3/4" LATERAL AS PER PLAN #2, MWD SURVEY SERVICE RIG

Toolpusher: RICK AGUILAR

Wellsite Supervisors: BERT DIAZ, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	7:30	1.50	9,791	DRIL	ROTATE F/ 9,491' T/ 9,791' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2650	
7:30	8:00	0.50	9,830	DRIL	SLIDE F/ 9,791' T/ 9,830' WOB 40 TF 80R DIFF 200 GPM 610 2800	
8:00	8:30	0.50	9,971	DRIL	ROTATE F/ 9,830' T/ 9,971' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2650	
8:30	9:30	1.00	10,035	DRIL	SLIDE F/ 9,971' T/ 10,035' WOB 40 TF 70R DIFF 200 GPM 610 2800	
9:30	10:00	0.50	10,158	DRIL	ROTATE 10,035' T/ 10,158' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2650	
10:00	10:30	0.50	10,213	DRIL	SLIDE F/ 10,158' T/ 10,213' WOB 40 TF 70R DIFF 200 GPM 610 2800	
10:30	11:00	0.50	10,236	DRIL	ROTATE F/ 10,213' T/ 10,236' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2650	
11:00	11:30	0.50	10,236	DRIL	SLIDE F/ 10,236' T/ 10,272' WOB 40 TF 70R DIFF 200 GPM 610 2800	
11:30	12:00	0.50	10,332	DRIL	ROTATE 10,272' T/ 10,332' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2800	
12:00	12:30	0.50	10,342	DRIL	SLIDE 10,332' T/ 10,342' WOB 40 TF 35R DIFF 200 GPM 610 2800	
12:30	13:00	0.50	10,454	DRIL	ROTATE F/ 10,342' T/ 10,410' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2800	
					SLIDE F/ 10,410' T/ 10,454' WOB 34 TF 35R DIFF 200 GPM 610 2800	
13:00	14:00	1.00	10,500	DRIL	ROTATE F/ 10,454' T/ 10,500' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2650	
					SLIDE F/ 10,500' T/ 10,554' WOB 34 TF 35R DIFF 200 GPM 610 2800	
14:00	14:30	0.50	10,678	DRIL	ROTATE F/ 10,500' T/ 10,678' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2800	
14:30	15:30	1.00	10,736	DRIL	SLIDE F/ 10,678' T/ 10,736' WOB 40 TF 35R DIFF 200 GPM 610 2800	
15:30	16:00	0.50	10,762	DRIL	ROTATE F/ 10,736' T/ 10,762' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2800	
16:00	16:30	0.50	10,762	DRIL	RIG SERVICE	
16:30	18:00	1.50	10,762	REPR	REPLACE PISTON AND LINER NUMBER TWO MUD PUMP	X
18:00	20:00	2.00	10,832	DRIL	ROTATE F/ 10,762' T/ 10,772' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2800	
					SLIDE F/ 10,772' T/ 10,832' WOB 40 TF 20R DIFF 200 GPM 610 PP 2800	
20:00	21:00	1.00	10,883	DRIL	ROTATE F/ 10,832 T/ 10,883' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2800	
21:00	0:00	3.00	10,909	DRIL	SLIDE F/ 10,883' T/ 10,909' WOB 40 TF HS DIFF 200 GPM 610 PP 2800	
0:00	2:30	2.50	10,987	DRIL	ROTATE F/ 10,909 T/ 10,945' WOB 30 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 2800	
					SLIDE F/ 10,945' T/ 10,987 ' WOB 40 TF HS DIFF 200 GPM 610 PP 2800 (NOTE DROP BALL FOR AGITATOR @ 10,945' OBP BEFORE 2900 W/610 GPM OBP AFTER BALL DROPPED W/610 GPM 3220	
2:30	3:00	0.50	11,038	DRIL	ROTATE F/ 10,987 T/ 11,038' WOB 35 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 23250	
3:00	5:00	2.00	11,135	DRIL	SLIDE F/ 11,038' T/ 11,135 ' WOB 40 TF HS DIFF 200 GPM 610 PP 3200	
5:00	6:00	1.00	11,142	DRIL	ROTATE F/ 11135 T/ 11,142' WOB 35 RPM 70 TQ 17K DIFF 625 GPM 610 SPP 23250	



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 10

Report For 06:00 AM 19-Jan-22

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	12,363.85	144,708.02	52,119.85	819,538.26	12.60 %
Totals \$:		6,503,678.00	12,364.00	144,708.00	52,120.00	819,538.00	12.60 %

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	
18-Jan-22 18:00 at Depth 10,772 ft Mud Pits, Type: Oil Base Mud																					
9.60	18.00	3.00	8.00	18	2		10.3	66	22.3		6.4	38000	10863		5	7	8		21.00	174.00	

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES MUL X (GAL) - GALS	110	1,255.10	AES VIS III (50) - 50#SK	13	1,316.90
AES VIS LS (50) - GALS	15	1,349.70	AES WA II (50) - GALS	95	1,028.85
BARITE BULK (100) - 100#SK	228	2,619.72	CACL2 (50) - 50#SK	99	1,480.05
ENGINEERING (24 HOUR) - DAY	2	1,790.00	FLR PLUS (50) - 50#SK	13	1,197.82
LIME (50) - 50#SK	47	325.71			

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	HPH	JIF										
3	1	BAKER	DD506TX	8.75	7542	3,600	37	97.3					10	610	3400	131	148	53	398										
Jets: 18 18 18 18 18 18					Out:		Grade:		Cutter:		/		Dull:		/		Wear:		Brgs:		Gge:		Pull:						
BHA - No. 3 -																				BIT, MMTR, UBHO, 2 NMDC, 80 DP, AGITAT, 188 DP, 27 HWDP = 12935.32									

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		
9,491	11,142	75.0		35.00		70		18.00		610.00		3,400.00	

Annular Velocity: Drill Collars: 5.0 Drill Pipe:

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate: 175.00		Pick Up: 240.00		Slack Off: 140.00		Drag Avg/Max: 55 / 80	
Slow Circulation Data:									
Pump 1:		30 spm	380 psi	40 spm		440 psi		50 spm 480 psi	
Pump 2:		30 spm	400 psi	40 spm		440 psi		50 spm 480 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.	Dens.	Shale	Sand		
9,322	11,057	6,883	6,895	106.00	427.00	9796	500.00				9.60						

Formation Name: WOLFCAMP C

Lithology: 100% SHALE ! 11,000'.

Rig Information

Equipment Problems:

Location Condition:

Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom
Shaker No 1:	200	170	200	200
Shaker No 2:	200	200	200	200
Shaker No 3:	200	170	200	170

Bulk Inventory



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 10

Report For 06:00 AM 19-Jan-22

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel		15,826	1,641		14,185	
Mud		17,640	4,410		13,230	
Extra Fuel Tank		8,705			8,705	

Safety Information

Meetings/Drills	Time	Description
Safety	30	MAKING CONNECTIONS MIXING CHEMICALS
First Aid Treatments: Medical Treatments: Lost Time Incidents: Days Since LTI:		
<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
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1,200.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					18,019.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 11

Report For 06:00 AM 20-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$):		
Measured Depth (ft):	13651	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6888	Next Casing:	5.50 at 18,121	RKB Elevation (ft):		B22012	
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	2,509 / 23.5	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	
Average ROP (ft/hr):	106.77					Well Cost (\$):	
Drilling Days (act./plan):	9/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	9/0	Days On Location:	9
Pers/Hrs: Operator:	2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0
						Total:	22 / 288

Safety Summary: No incidents or events reported. Conducted Safety Meeting.

Current Operations: DRILLING 8.75" LATERAL @ 13,651'

Planned Operations: CONTINUE DRILLING 8.75" LATERAL

Toolpusher: RICK AGUILAR

Wellsite Supervisors: CLYDE KINSEL, JEREMIAH BANKS

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	6:30	0.50	11,160	DRIL	SLIDE F/ 11,142' T/ 11,162' WOB 25 TF 20R DIFF 200 GPM 610 SPP 3200	
6:30	7:00	0.50	11,316	DRIL	ROTATE F/ 11,162' T/ 11,316' WOB 35 RPM 80 TQ 17K DIFF 600 GPM 610 SPP 3200	
7:00	8:00	1.00	11,391	DRIL	SLIDE F/ 11,316' T/ 11,391' WOB 25 TF 75R DIFF 200 GPM 610 SPP 3200	
8:00	8:30	0.50	11,502	DRIL	ROTATE F/ 11,391' T/ 11,502' WOB 35 RPM 80 TQ 17K DIFF 600 GPM 610 SPP 3200	
8:30	11:30	3.00	11,625	DRIL	SLIDE F/ 11,502' T/ 11,625' WOB 25 TF 90R DIFF 200 GPM 610 SPP 3200	
11:30	13:30	2.00	12,208	DRIL	ROTATE 11,625' T/ 12,208' WOB 35 RPM 80 TQ 17K DIFF 600 GPM 610 SPP 3600	
13:30	14:00	0.50	12,269	DRIL	SLIDE F/ 12,208' T/ 12,269' WOB 25 TF 160R DIFF 200 GPM 610 SPP 3600	
14:00	15:30	1.50	12,393	DRIL	ROTATE F/12,269' T/ 12,393 WOB 35 RPM 80 TQ 17K DIFF 600 GPM 610 SPP 3800	
15:30	16:00	0.50	12,420	DRIL	SLIDE F/ 12,393' T/ 12,420' WOB 25 TF 180R DIFF 200 GPM 610 SPP 3800	
16:00	16:30	0.50	12,500	DRIL	ROTATE F/ 12,420' T/ 12,500' WOB 35 RPM 80 TQ 17K DIFF 600 GPM 610 SPP 4200	
16:30	17:00	0.50	12,530	DRIL	SLIDE F/ 15,500' T/ 12,530' WOB 25 TF 150R DIFF 200 GPM 610 SPP 4200	
17:00	17:30	0.50	12,530	SERV	RIG SERVICE	
17:30	19:30	2.00	12,700	DRIL	ROTATE 12,530' T/12680' WOB 35 RPM 80 TQ 17K DIFF 600 GPM 610 SPP 4200 SLIDE F/ 12,680' T/ 12,700' WOB 45 TF 80L DIFF 150 GPM 610 SPP 3650	
19:30	20:00	0.50	12,760	DRIL	ROTATE F/ 12,700' T/ 12,760' WOB 35 RPM 80 TQ 18K DIFF 600 GPM 610 SPP 4100	
20:00	22:30	2.50	12,785	DRIL	SLIDE F/ 12,760' T/ 12,785' WOB 85 TF 20L DIFF 150 GPM 610 SPP 3850	
22:30	1:00	2.50	13,215	DRIL	ROTATE F/ 12,785' T/ 13,215' WOB 35 RPM 70/80 TQ 18K DIFF 600/700 GPM 610 SPP 4450	
1:00	2:00	1.00	13,240	DRIL	SLIDE F/ 13,215' T/ 13,240' WOB 55 TF 80R DIFF 150 GPM 610 SPP 3900	
2:00	3:30	1.50	13,477	DRIL	ROTATE F/ 13,240' T/ 13,477' WOB 35 RPM 70/80 TQ 18K DIFF 600/700 GPM 610 SPP 4450	
3:30	5:00	1.50	13,512	DRIL	SLIDE F/ 13,477' T/ 13,512' WOB 55 TF 90R DIFF 150 GPM 610 SPP 3900	
5:00	6:00	1.00	13,651	DRIL	ROTATE F/ 13,512' T/ 13,651' WOB 35 RPM 70/80 TQ 18K DIFF 600/700 GPM 610 SPP 4450	

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	16,937.97	161,645.99	101,118.98	920,657.24	14.16 %
	Totals \$:	6,503,678.00	16,938.00	161,646.00	101,119.00	920,657.00	14.16 %



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 11

Report For 06:00 AM 20-Jan-22

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	
19-Jan-22 18:00 at Depth 12,660 ft Mud Pits, Type: Oil Base Mud																					
9.80	19.00	3.00	8.00	16	2		11.2	65	22.3		6.5	39000	15218		5	6	8	06.00	18.00		

Mud Consumables

Item Description			Qty.	Cost	Item Description			Qty.	Cost
AES MUL X (GAL) - GALS			65	741.65	AES VIS III (50) - 50#SK			4	405.20
AES VIS LS (50) - GALS			4	359.92	AES WA II (50) - GALS			55	595.65
BARITE BULK (100) - 100#SK			197	2,263.53	BLUE MAX - GALS			35	264.60
CACL2 (50) - 50#SK			91	1,360.45	ENGINEERING (24 HOUR) - DAY			1	895.00
FLR PLUS (50) - 50#SK			5	460.70	LIME (50) - 50#SK			38	263.34
SHRINK WRAP (EA) - EA			17	178.50	TRUCKING (CWT) - EA			451	1,014.75

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	HPH	JIF		
3	1	BAKER	DD506TX	8.75	7542	6,109	60.5	101.0	450.0	35.00	75	18.00	10	610	4350	131	151	54	406		
Jets: 18 18 18 18 18						Out:		Grade: Cutter:		/		Dull: /		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 3 - BIT, MMTR, UBHO, 2 NMDC, 80 DP, AGITAT, 188 DP, 27 HWDP = 12935.32																					

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
11,142	13,651	275.0	450.0	35.00	38.00	75	80	16.00	20.00	610.00	610.00	4,250.00	
Annular Velocity:		Drill Collars:		435.7		Drill Pipe:		290.0					

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		190.00	Pick Up:		290.00	Slack Off:		130.00	Drag Avg/Max:		60 / 100
Slow Circulation Data:													
Pump 1:		30 spm	460 psi	40 spm	500 psi	50 spm	560 psi						
Pump 2:		30 spm	420 psi	40 spm	520 psi	50 spm	580 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.	Exp.	Trip	Press	Dens.	Dens.	Dens.	Shale	Sand	Shale	Sand
11,142	13,492	6,892	6,889	96.00	416.00	11762	441.00	0.00			9.80						
Formation Name: WOLFCAMP C																	
Lithology:		100% SHALE															

Rig Information

Equipment Problems:																	
Location Condition:																	
Transport:																	

Bulk Inventory

Item Type		Units	Beginning	Used	Received	On Hand	Net
Fuel		GALS	14,185	3,321	4,400	15,264	1,079
Mud		GALS	13,230	4,480	2,800	11,550	-1,680
Extra Fuel Tank		GALS	8,705	0	0	8,705	0

Safety Information

Meetings/Drills	Time	Description			
Safety	15	SLIP AND TRIP HAZARDS			
First Aid Treatments:		Medical Treatments:		Lost Time Incidents:	Days Since LTI:
<input type="checkbox"/> BOP Test	<input type="checkbox"/>	Crownamatic Check			

**Daily Drilling Report**

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 11

Report For 06:00 AM 20-Jan-22

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1,200.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					18,019.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 12

Report For 06:00 AM 21-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$):		
Measured Depth (ft):	14025	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6885	Next Casing:	5.50 at 18,121	RKB Elevation (ft):		B22012	
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	374 / 4.5	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	
Average ROP (ft/hr):	83.11					Well Cost (\$):	
Drilling Days (act./plan):	10/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	10/0	Days On Location:	10
Pers/Hrs: Operator:	2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0 Total: 22 / 288

Safety Summary: No incidents or events reported. Conducted Safety Meeting.

Current Operations: DRILLING 8.75" LATERAL @ 14,025'

Planned Operations: CONTINUE DRILLING 8.75" LATERAL

Toolpusher: DOUGLAS STOVALL

Wellsite Supervisors: CLYDE KINSEL, JEREMIAH BANKS

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	6:30	0.50	13,763	DRIL	ROTATE F/ 13,651' T/ 13,763' WOB 35 RPM 70 TQ 20K DIFF 800 GPM 610 SPP 4000	
6:30	7:00	0.50	13,773	DRIL	SLIDE 13,763' T/ 13,773' WOB 55 TF 90R DIFF 250 GPM 610 SPP 4000	
7:00	10:00	3.00	13,773	CIRC	CLEANUP CYCLE	
10:00	10:30	0.50	13,829	DRIL	ROTATE 13,773' T/ 13,829' WOB 35 RPM 70 TQ 20K DIFF 800 GPM 610 SPP 3400	
10:30	14:30	4.00	13,829	REPR	REPAIR MUD PUMP #2 (TROUBLE SHOOT PUMP, REPLACED #2 AND #3 SUCTION VALVES STILL HAVING REDUCED PRESSURE OPEN SUCTION MANIFOLD FOUND TO BE PARTIALLY PLUGGED WITH SOLIDS, STILL UNABLE TO REACH DESIRED PRESSURE REPLACE #1 SUCTION AND DISCHARGE VALVES AND SEATS. , TEST PUMP AND IT STILL HAD 300 PSI LESS THAN MP1.	
14:30	3:00	12.50	13,829	REPR	STARTED PULLING ALL SEATS AND FOUND WASH BEHIND THE SEAT ON THE #2 SUCTION MODULE. BEGIN REMOVING MODULE WHILE WAITING ON PERSONNEL FROM TOWN TO ASSIST WITH SWAP , MODULE ARRIVED ON LOC. @20:30 , MECHANICS ON LOC. @ 21:45 , REMOVE OLD MODULE AND INSTALL NEW MODULE , TQ BOLTS AND TEST PUMP , FOUND LEAK ON DISCHARGE MANIFOLD , REPLACE GASKET AND TEST = OK	X
3:00	4:00	1.00	13,864	DRIL	SLIDE 13,829' T/ 13,864' WOB 55 TF 90R DIFF 150 GPM 610 SPP 4250	
4:00	5:00	1.00	13,963	DRIL	ROTATE 13,864' T/ 13,923' WOB 35 RPM 63 TQ 20K DIFF 550 GPM 610 SPP 4650 SLIDE 13,923' T/ 13,963' WOB 60 TF 90R DIFF 150 GPM 610 SPP 4250	
5:00	6:00	1.00	14,025	DRIL	ROTATE 13,963' T/ 14,016' WOB 35 RPM 63 TQ 20K DIFF 550 GPM 610 SPP 4650 SLIDE 14,016' T/ 14,025' WOB 60 TF 90R DIFF 150 GPM 610 SPP 4250	

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	5,315.04	166,961.03	49,173.22	969,830.46	14.91 %
Totals \$:		6,503,678.00	5,315.00	166,961.00	49,173.00	969,830.00	14.91 %

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	
20-Jan-22 18:00 at Depth 13,828 ft Mud Pits, Type: Oil Base Mud																					
9.80	52.00	3.00	8.00	15.8	2		11.3	66	21.3		6.8	37000	14078		5	6	7	95.00	10.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 12

Report For 06:00 AM 21-Jan-22

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES VIS III (50) - 50#SK	2	202.60	AES VIS LS (50) - GALS	2	179.96
AES WA II (50) - GALS	65	703.95	BARITE BULK (100) - 100#SK	110	1,263.90
BLUE MAX - GALS	10	75.60	CACL2 (50) - 50#SK	30	448.50
ENGINEERING (24 HOUR) - DAY	1	895.00	FLR PLUS (50) - 50#SK	2	184.28
LIME (50) - 50#SK	25	173.25	TRUCKING BULK CWT - EA	432	1,188.00

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			
3	1	BAKER	DD506TX	8.75	7542	6,483	65	99.7	375.0	35.00	63	20.00	10	610	4600	131	151	54	406			
Jets: 18 18 18 18 18							Out:		Grade: Cutter: /				Dull: /		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 3 - BIT, MMTR, UBHO, 2 NMDC, 80 DP, AGITAT, 188 DP, 27 HWDP = 12935.32																						

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		
13,651	13,828	200.0	350.0	35.00	35.00	63	63	20.00	22.00	610.00	610.00	4,600.00	
Annular Velocity:		Drill Collars:		435.7		Drill Pipe:		290.0					

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		190.00	Pick Up:		290.00	Slack Off:		140.00	Drag Avg/Max:		60 / 100
Slow Circulation Data:													
Pump 1:		30 spm	460 psi	40 spm	500 psi	50 spm	560 psi						
Pump 2:		30 spm	420 psi	40 spm	520 psi	50 spm	580 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.	Dens.	Shale	Sand		
13,492	13,936	6,889	6,887	65.00	101.00	13758	120.00	0.00			9.80			193			
Formation Name: WOLFCAMP C																	
Lithology:		100% SHALE															

Rig Information

Equipment Problems:																	
Location Condition:																	
Transport:																	

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	15,264	1,905		13,359	
Mud	GALS	11,550	1,680		9,870	
Extra Fuel Tank	GALS	8,705	0		8,705	

Safety Information

Meetings/Drills	Time	Description
Safety	15	ENERGY ISOLATION LO/TO
First Aid Treatments:		Medical Treatments:
<input type="checkbox"/> BOP Test		<input type="checkbox"/> Crownamatic Check
Lost Time Incidents:		Days Since LTI:

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							

**Daily Drilling Report**

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 12

Report For 06:00 AM 21-Jan-22

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1,200.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					18,019.00		

**Daily Drilling Report**

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 13

Report For 06:00 AM 22-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$):		
Measured Depth (ft):	16550	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6869	Next Casing:	5.50 at 18,121	RKB Elevation (ft):		B22012	
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	2,525 / 23.0	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	
Average ROP (ft/hr):	109.78					Well Cost (\$):	
Drilling Days (act./plan):	11/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	11/0	Days On Location:	11
Pers/Hrs:	Operator: 2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0
				Total:			22 / 288

Safety Summary: No incidents or events reported. Conducted Safety Meeting.

Current Operations: DRILLING 8.75" LATERAL @ 16,550'

Planned Operations: CONTINUE DRILLING 8.75" LATERAL

Toolpusher: DOUGLAS STOVALL

Wellsite Supervisors: CLYDE KINSEL, JEREMIAH BANKS

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	7:00	1.00	14,077	DRIL	SLIDE F/ 14,025' T/ 14,077' WOB 30 TF 90R DIFF 150 GPM 610 SPP 4100	
7:00	7:30	0.50	14,099	DRIL	ROTATE F/ 14,077' T/ 14,099' WOB 33 RPM 75 TQ 21K DIFF 500 GPM 610 SPP 4100	
7:30	8:00	0.50	14,099	SERV	RIG SERVICE	
8:00	10:00	2.00	14,556	DRIL	ROTATE F/ 14,099' T/ 14,556' WOB 33 RPM 75 TQ 21K DIFF 500 GPM 610 SPP 4100	
10:00	11:30	1.50	14,703	DRIL	SLIDE F/ 14,556 T/ 14,586' WOB 30 TF 90R DIFF 150 GPM 610 SPP 4100 ROTATE F/14,586' T/ 14.703 WOB 33 RPM 75 TQ 21K DIFF 500 GPM 610 SPP 4700	
11:30	12:00	0.50	14,703	INSTAL	CHANGE OUT ROTATING HEAD	
12:00	13:30	1.50	14,915	DRIL	ROTATE F/ 14,703' T/ 14,915' WOB 33 RPM 75 TQ 21K DIFF 500 GPM 610 SPP 4100	
13:30	15:00	1.50	14,946	DRIL	SLIDE F/ 14,915' T/ 14,946' WOB 30/50 TF 90R DIFF 150 GPM 610 SPP 4100	
15:00	15:30	0.50	15,009	DRIL	ROTATE F/ 14,946' T/ 15,009' WOB 33 RPM 75 TQ 21K DIFF 500 GPM 610 SPP 4100	
15:30	16:30	1.00	15,040	DRIL	SLIDE 15,009' T/ 15,040' WOB 30/50 TF 90R DIFF 150 GPM 610 SPP 4100	
16:30	17:00	0.50	15,105	DRIL	ROTATE F/ 15,040' T/ 15,105' WOB 30 RPM 75 TQ 21K DIFF 500 GPM 610 SPP 4300	
17:00	18:00	1.00	15,130	DRIL	SLIDE 15,105' T/ 15,130' WOB 30/50 TF 90R DIFF 150 GPM 610 SPP 4100	
18:00	20:30	2.50	15,545	DRIL	ROTATE F/ 15,130' T/ 15,545' WOB 35 RPM 80 TQ 21K DIFF 650 GPM 610 SPP 4800	
20:30	22:00	1.50	15,570	DRIL	SLIDE 15,545' T/ 15,570' WOB 60 TF 70R DIFF 50 GPM 610 SPP 4350	
22:00	23:00	1.00	15,807	DRIL	ROTATE F/ 15,570' T/ 15,807' WOB 35 RPM 80 TQ 21K DIFF 650 GPM 610 SPP 4800	
23:00	1:00	2.00	15,843	DRIL	SLIDE 15,807' T/ 15,843' WOB 85 TF 50R DIFF 100 GPM 610 SPP 4400	
1:00	4:00	3.00	16,523	DRIL	ROTATE F/ 15,843' T/ 16,523' WOB 35 RPM 80 TQ 19/22K DIFF 750 GPM 610 SPP 5000	
4:00	6:00	2.00	16,550	DRIL	SLIDE 16,523' T/ 16,550' WOB 85 TF 60R DIFF 275 GPM 610 SPP 4500	

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	3,349.83	170,310.86	45,828.83	1,015,659.29	15.62 %
Totals \$:		6,503,678.00	3,350.00	170,311.00	45,829.00	1,015,659.00	15.62 %



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 13

Report For 06:00 AM 22-Jan-22

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		
21-Jan-22 18:00 at Depth 15,127 ft Mud Pits, Type: Oil Base Mud																						
9.80	17.00	2.00	7.00	15.4	2		11.9	65	21.8		7.5	36000	05687		4	5	7	14.00	28.00			

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES MUL X (GAL) - GALS	40	456.40	AES VIS III (50) - 50#SK	2	202.60
AES VIS LS (50) - GALS	2	179.96	AES WA II (50) - GALS	45	487.35
BARITE BULK (100) - 100#SK	13	149.37	BLUE MAX - GALS	10	75.60
CACL2 (50) - 50#SK	36	538.20	ENGINEERING (24 HOUR) - DAY	1	895.00
FLR PLUS (50) - 50#SK	2	184.28	LIME (50) - 50#SK	25	173.25
OIL SORB (50) - 50#SK	1	7.82			

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	HP	JIF	
3	1	BAKER	DD506TX	8.75	7542	9,008	88	102.4	400.0	35.00	80	20.00	10	610	5000	131	151	54	406	
Jets: 18 18 18 18 18							Out:	Grade: Cutter: /			Dull: /			Wear:		Brgs:	Gge:	Pull:		
BHA - No. 3 - BIT, MMTR, UBHO, 2 NMDC, 80 DP, AGITAT, 188 DP, 27 HWDP = 12935.32																				

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	
14,025	16,550	300.0	400.0	32.00	35.00	60	75	19.00	22.00	610.00	610.00	5,000.00
Annular Velocity:		Drill Collars:		435.7	Drill Pipe:		290.0					

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		180.00	Pick Up:		330.00	Slack Off:		130.00	Drag Avg/Max:		/
Slow Circulation Data:													
Pump 1:		30 spm	600 psi	40 spm	640 psi	50 spm	700 psi						
Pump 2:		30 spm	580 psi	40 spm	620 psi	50 spm	680 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
13,936	16,470	6,885	6,869	137.00	373.00	14496	383.00	0.00			9.80		350
Formation Name: WOLFCAMP C													
Lithology:		100% SHALE @ 16,400'											

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	GALS	13,359	2,665		10,694	
Mud	GALS	9,870	4,200		5,670	
Extra Fuel Tank	GALS	8,705	0		8,705	



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 13

Report For 06:00 AM 22-Jan-22

Safety Information

Meetings/Drills	Time	Description
-----------------	------	-------------

Safety	15	DRILLING OPS.
--------	----	---------------

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
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1,200.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					18,019.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 14

Report For 06:00 AM 23-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$):		
Measured Depth (ft):	17992	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6857	Next Casing:	5.50 at 18,121	RKB Elevation (ft):		B22012	
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	1,442 / 14.0	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	
Average ROP (ft/hr):	103.0					Well Cost (\$):	
Drilling Days (act./plan):	12/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	12/0	Days On Location:	12
Pers/Hrs:	Operator: 2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0
				Total:		22 / 288	

Safety Summary: No incidents or events reported. Conducted Safety Meeting.

Current Operations: POOH FOR PRODUCTION CSG. @ 16,600'

Planned Operations: POOH TO BOC , CLEAN UP CYCLE , FINISH POOH , L/D BHA , RIG UP AND RUN CSG.

Toolpusher: DOUGLAS STOVALL

Wellsite Supervisors: CLYDE KINSEL, JEREMIAH BANKS

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	7:00	1.00	16,886	DRIL	ROTATE F/ 16,550' T/ 16,886' WOB 38 RPM 80 TQ 23K DIFF 950 GPM 610 OBP 4400	
7:00	9:00	2.00	16,913	DRIL	SLIDE 16,886' T/ 16,913' WOB 60 TF 80R DIFF 250 GPM 610 OBP 4500	
9:00	9:30	0.50	16,976	DRIL	ROTATE F/ 16,913' T/ 16,976' WOB 38 RPM 80 TQ 23K DIFF 950 GPM 610 OBP 4500	
9:30	11:00	1.50	16,995	DRIL	SLIDE 16,976' T/ 16,995' WOB 67 TF 80R DIFF 300 GPM 610 OBP 4500	
11:00	11:30	0.50	17,069	DRIL	ROTATE F/ 16,995' T/ 17,069' WOB 40 RPM 80 TQ 24K DIFF 800 GPM 610 OBP 4500	
11:30	12:30	1.00	17,098	DRIL	SLIDE 17,069' T/ 17,098' WOB 65 TF 80R DIFF 300 GPM 610 OBP 4500	
12:30	13:30	1.00	17,236	DRIL	ROTATE F/ 17,098' T/ 17,236' WOB 40 RPM 80 TQ 24K DIFF 850 GPM 610 OBP 4500	
13:30	16:00	2.50	17,268	DRIL	SLIDE 17,236' T/ 17,268' WOB 65 TF 80R DIFF 300 GPM 610 OBP 4500	
16:00	16:30	0.50	17,322	DRIL	ROTATE F/ 17,268' T/ 17,322' WOB 40 RPM 80 TQ 24K DIFF 850 GPM 610 OBP 4500	
16:30	17:00	0.50	17,322	SERV	RIG SERVICE	
17:00	20:30	3.50	17,992	DRIL	ROTATE F/ 17,322' T/ 17,992' WOB 40 RPM 80 TQ 24K DIFF 850 GPM 610 OBP 4500 TD WELL	
20:30	3:30	7.00	17,992	CIRC	PERFORM CLEAN UP CYCLE , PUMP 2-B/U , SEND 40 BBL. HIGH VIS. SWEEP , PUMP B/U , SEND 2ND 40 BBL. SWEEP AND CIRC. OUT , PUMP ANOTHER B/U , BUILD SLUG AND FILL T.T. , CIRC. AN ADDITIONAL B/U	
3:30	4:00	0.50	17,992	SERV	RID SERVICE , FILL TOP DRIVE UP WITH OIL	
4:00	6:00	2.00	17,992	TRPO	POOH F/17,992' T/16,600'	
FLOW CHECK , PULLED FIRST 10 STDS WET , PUMP SLUG						

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	3,908.65	174,219.51	49,587.65	1,065,246.94	16.38 %
Totals \$:		6,503,678.00	3,909.00	174,220.00	49,588.00	1,065,247.00	16.38 %

Mud Information

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
22-Jan-22 18:00 at Depth 17,510 ft Mud Pits, Type: Oil Base Mud																				
9.80	16.00	4.00	6.00	15.8	3		11.8	66	20.8		7	36000	13465		4	6	7	04.00	34.00	



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 14

Report For 06:00 AM 23-Jan-22

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES VIS III (50) - GALS	5	506.50	AES VIS LS (50) - GALS	5	449.90
AES WA II (50) - GALS	35	379.05	BLUE MAX - GALS	30	226.80
CACL2 (50) - 50#SK	60	897.00	ENGINEERING (24 HOUR) - DAY	1	895.00
LIME (50) - 50#SK	80	554.40			

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	BAKER	DD506TX	8.75	7542	10,450	102	102.5	400.0	38.00	80	23.00	10	610	5150	131	151	54	406

Jets: 18 18 18 18 18 18

Out:

Grade: Cutter: /

Dull: /

Wear:

Brgs:

Gge:

Pull:

BHA - No. 3 - BIT, MMTR, UBHO, 2 NMDC, 80 DP, AGITAT, 188 DP, 27 HWDP = 12935.32

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
16,550	17,992	300.0	400.0	35.00	40.00	80	80	20.00	24.00	610.00	610.00	5,150.00	

Annular Velocity: Drill Collars: 435.7 Drill Pipe: 290.0

Miscellaneous Drilling Parameters

Hook Loads (lbs): Off Bottom Rotate: 185.00 Pick Up: 330.00 Slack Off: 100.00 Drag Avg/Max: /

Slow Circulation Data:

Pump 1: 30 spm 560 psi 40 spm 620 psi 50 spm 690 psi

Pump 2: 30 spm 550 psi 40 spm 600 psi 50 spm 670 psi

Hours on Casing/Liner: Rotating: / Tripping: / ☒ 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.	Dens.	Dens.	Shale	Sand	
16,527	17,992	6,868	6,857	617.00	1,074.	17946	1,096.				9.80				375		

Formation Name: WOLFCAMP C

Lithology: 100% SHALE

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	GALS	10,694	3,159		7,535	
Mud	GALS	5,670	5,670		0	
Extra Fuel Tank	GALS	8,705	0		8,705	

Safety Information

Meetings/Drills	Time	Description
Safety	15	100% TIE OFF OVER 4 FEET
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
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	

Notes: HOUSING X 4 1300 A DAY

**Daily Drilling Report**

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 14

Report For 06:00 AM 23-Jan-22

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1,200.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					18,019.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 15

Report For 06:00 AM 24-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$): ----		
Measured Depth (ft):	17992	Last Casing:	9.63 at 866	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6857	Next Casing:	5.50 at 18,121	RKB Elevation (ft):		B22012	---
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			----
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:	03-Feb-22	Working Interest:		Totals:	----
Average ROP (ft/hr):						Well Cost (\$):	----
Drilling Days (act./plan):	13/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	13/0	Days On Location:	13
Pers/Hrs: Operator:	0 / 0	Contractor:	0 / 0	Service:	0 / 0	Other:	0 / 0
						Total:	0 / 0

Safety Summary: No incidents or events reported. Conducted Safety Meeting.

Current Operations: RUNNING 5.5" PRODUCTION CASING @ 8,000'

Planned Operations: FINISH RINNING CSG , CEMENT , NIPPLE DOWN

Toolpusher: DOUGLAS STOVALL

Wellsite Supervisors: CLYDE KINSEL, JEREMIAH BANKS

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	10:00	4.00	17,992	TRPO	TRIP OUT FROM 16600 T/ 7950	
10:00	11:30	1.50	17,992	CIRC	CIRC AT END 400' FROM END OF CURVE - CLEANUP CYCLE	
11:30	12:30	1.00	17,992	TRPO	TRIP OUT FROM 7950 TO 6000'	
12:30	13:00	0.50	17,992	INSTAL	REMOVE ROTATING HEAD AND INSTALL TRIP NIPPLE	
13:00	15:00	2.00	17,992	TRPO	TRIP OUT FROM 6000' T/ 3693' LAY DOWN AGITATOR CONTINUE TO TRIP OUT TO 2064'	
15:00	16:30	1.50	17,992	DPLD	LAY DOWN DRILL PIPE 2064 T/ 97'	
16:30	17:30	1.00	17,992	BHAOP	DRAIN MOTOR BREAK BIT , L/D MWD , L/D MOTOR P/U JNT AND RACK BACK MONELS	
17:30	18:00	0.50	17,992	WEAR	PULL WEAR BUSHING	
18:00	19:00	1.00	17,992	CRF	CLEAN AND ORGANIZE RIG FLOOR	
19:00	20:30	1.50	17,992	RIGUC	PJSM W/CASING CREW , R/U CASING CREW AND CRT	
20:30	21:30	1.00	17,992	CASE	M/U SHOE TRACK AND TEST FLOATS=OK T/151'	
21:30	22:30	1.00	17,992	CASE	RUN 5.5" PRODUCTION CASING F/151' T/685'	
22:30	23:00	0.50	17,992	CASE	L/D JTS 16 AND 17 , DID NOT SHOULDER , TRIED TO BACK OUT AND REMAKE W/ NO SUCCESS , THREADS WERE GAULDED	
23:00	4:30	5.50	17,992	CASE	RUN 5.5" PRODUCTION CASING F/685' T/7271'	
4:30	5:00	0.50	17,992	CASE	L/D JTS 163 AND 164 , DID NOT SHOULDER , TRIED TO BACK OUT AND REMAKE W/ NO SUCCESS , THREADS WERE GAULDED	
5:00	6:00	1.00	17,992	CASE	RUN 5.5" PRODUCTION CASING F/7271' T/8000'	

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	9.63	0		866		SURF	12.50	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	6,162.06	180,381.57	69,879.28	1,135,126.22	17.45 %
Totals \$:		6,503,678.00	6,162.00	180,382.00	69,879.00	1,135,126.00	17.45 %

Mud Information

%																Gels			Temp		Mud
Dens.	Vis	PV	YP	Filt.	Cake	pH/ES	Solids	Oil	Water	Sand	LGS	CI	Ca	CaCl	10s	10m	30m	In	Out	Loss	
23-Jan-22 18:00 at Depth 17,922 ft Mud Pits, Type: Oil Base Mud																					
10.00	19.00	4.00	5.00	14.8	3		12.3	65.5	20.8		6.9	36000	13465		4	5	7	85.00			



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 15

Report For 06:00 AM 24-Jan-22

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES MUL X (GAL) - GALS	10	114.10	AES VIS III (50) - GALS	4	405.20
AES VIS LS (50) - GALS	3	269.94	AES WA II (50) - GALS	5	54.15
BARITE BULK (100) - 100#SK	283	3,251.67	BARITE SACK (100) - 100#SK	40	537.60
BLUE MAX - GALS	5	37.80	CACL2 (50) - 50#SK	14	209.30
ENGINEERING (24 HOUR) - DAY	1	895.00	FLR PLUS (50) - 50#SK	3	276.42
LIME (50) - 50#SK	16	110.88			

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	BAKER	DD506TX	8.75	7542	10,450	102	0.0	0.0	35.00	75	0.00	10	610	5350	131	151	54	406	
Jets: 18 18 18 18 18				Out: 17992			Grade: Cutter: 1 / 1			Dull: NO / NO			Wear: S		Brgs: Gge:		Pull: TD			
BHA - No. 3 - BIT, MMTR, UBHO, 2 NMDC, 80 DP, AGITAT, 188 DP, 27 HWDP = 12935.32																				

Rig Information

Equipment Problems:

Location Condition:

Transport:

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	7,535	1,208	7,201	13,528	5,993
Mud	GALS		198	7,201	7,003	7,003
Extra Fuel Tank	GALS	8,705	1,000		7,705	

Safety Information

Meetings/Drills	Time	Description
Safety	15	RUNNING CASING
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
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1,200.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 15

Report For 06:00 AM 24-Jan-22

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	7,500.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					18,019.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 16

Report For 06:00 AM 25-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$):		
Measured Depth (ft):	17992	Last Casing:	5.50 at 17,985	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6857	Next Casing:		RKB Elevation (ft):	B22012		
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:	03-Feb-22	Working Interest:	Totals:		
Average ROP (ft/hr):					Well Cost (\$):		
Drilling Days (act./plan):	14/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	14/0	Days On Location:	14
Pers/Hrs:	Operator: 0 / 0	Contractor:	0 / 0	Service:	0 / 0	Other:	0 / 0
				Total:			

Safety Summary: No incidents or events reported.

Current Operations: FLUSHING STACK

Planned Operations: SET SLIP, INSTALL NIGHT CAP, RELEASE RIG

Toolpusher: DOUGLAS STOVALL

Wellsite Supervisors: CLYDE KINSEL, JEREMIAH BANKS

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	9:00	3.00	17,992	CASE	RUN 5.5 PRODUCTION CASING 8000' T/ 10828'	
9:00	10:00	1.00	17,992	CASE	TROUBLE SHOOT TORQUE EQUIPMENT ON TORQUE TURN AND CASING TONGS, VERIFY TORQUE	
10:00	17:00	7.00	17,992	CASE	CONTINUE TO RUN 5.5 PRODUCTION CASING F/ 17,006' T/ 17,988' PICK UP LANDING JOINT SLACK OF TO 17,992' PICK UP TO SETTING DEPTH 17,982'	
17:00	18:00	1.00	17,992	RDC	RIG DOWN CASING CREW	
18:00	19:00	1.00	17,992	RIGUC	RIG UP "BIG E" CEMENT HEAD AND WASH OUT LINES, BRING CIRC. IRON TO RIG FLOOR	
19:00	21:30	2.50	17,992	CIRC	BURST AIR LOCK WITH 4250 PSI., PUMP 1/2 OF AIR GAP @ 2.76 BPM, WAIT 30 MIN. FOR MUD AND AIR TO SWAP, PUMP SECOND 1/2 OF AIR GAP @ 2.76 BPM	
21:30	22:00	0.50	17,992	CIRC	CIRC. 9000 STKS. @ 9 BPM, 1 1/2 TIMES PIPE CAPACITY	
22:00	22:30	0.50	17,992	OTHER	FINISH CIRC., WHILE HOLDING PJSM W/BIG E CEMENTERS	
22:30	4:30	6.00	17,992	CMTPT	SWAP LINES TO "BIG E" CEMENTERS, TEST LINES TO 4500 PSI=OK, PUMP 40 BBLS OF TREATED BRINE, PUMP 300 BBLS OF BRINE FOR OBM RECOVERY, PUMP 20 BBLS OF SPACER, PUMP LEAD CMT 810 SKS. 355 BBLS. CLASS H 50/50 +10%BENTONITE+0.2%C 51 +0.5%C-20+.25%C-40P+5%SALT (BWOW), PUMP TAIL CMT 3050 SKS. 684 BBLS. CLASS H 50/50 +2%BENTONITE +0.4%C-17 +0.3% C-20 +.25 % C-41P, SHUT DOWN AND DROP PLUG, DISPLACE W/417 BBLS OF FRESH WATER W/ BIOCID (FIRST 20 BBLS SUGAR WATER), BUMP @ 1875 LIFT TO 2950 HOLD 5 MIN RELEASE PRESSURE 5 BBLS RETURN FLOATS HOLDING. EST CIRCULATED 77 BBLS(175 SX) CEMENT TO SURFACE	
4:30	6:00	1.50	17,992	RIGDC	RIG DOWN CEMENTERS, FLUSH STACK, WHILE ATTEMPTING TO FLUSH STACK FOUND THAT VALVES IN PITS NOT HOLDING WHILE TRYING TO PUMP OUT OF SLUG PIT.	

Comments

CONTACT TEXAS RAILROAD COMMISSION 1-23-22 OPERATOR GINA # 14

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	9.63	0		866		SURF	12.50	40.00	J-55	
FULL	5.50	0	0	17,985	6,857	PROD		17.00		

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	895.00	181,276.57	149,374.78	1,284,501.00	19.75 %
Totals \$:		6,503,678.00	895.00	181,277.00	149,375.00	1,284,501.00	19.75 %

Mud Information

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
24-Jan-22 06:00 at Depth 17,992 ft Mud Pits, Type: Oil Base Mud																				
9.80	54.00	5.00	6.00	16	3		10.3	67	21.3		4.6	37000	14078		5	6	8	75.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 16

Report For 06:00 AM 25-Jan-22

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
ENGINEERING (24 HOUR) - DAY	1	895.00			

Rig Information

Equipment Problems:

Location Condition:

Transport:

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	13,528	857		12,671	
Mud	GALS	7,003	233		6,770	
Extra Fuel Tank	GALS	7,705	0		7,705	

Safety Information

First Aid Treatments:

Medical Treatments:

Lost Time Incidents:

Days Since LTI:

☐ BOP Test

☐ Crownamatic Check

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	4,000.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 16

Report For 06:00 AM 25-Jan-22

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					13,320.00		



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 17

Report For 06:00 AM 26-Jan-22

Operator:	SEM	Rig:	Precision 594	Spud Date:	Daily Cost / Mud (\$):		
Measured Depth (ft):	17992	Last Casing:	5.50 at 17,985	Wellbore:	Original Wellbore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	6857	Next Casing:		RKB Elevation (ft):	B22012		
Proposed TD (ft):	18121	Last BOP Test:	13-Jan-22	Job Reference RKB (ft):			
Hole Made (ft) / Hrs:	0 / 0.0	Next BOP Test:	03-Feb-22	Working Interest:	Totals:		
Average ROP (ft/hr):					Well Cost (\$):		
Drilling Days (act./plan):	15/0	Flat Days (act./plan):	0/0	Total Days (act./plan):	15/0	Days On Location:	15
Pers/Hrs:	Operator: 2 / 24	Contractor:	13 / 168	Service:	7 / 96	Other:	0 / 0 Total: 22 / 288

Safety Summary: No incidents or events reported.

Current Operations: INSTALL WELLHEAD RELEASE RIG TO 2113WC

Planned Operations: WALK RIG TO THE 2113WC

Toolpusher: DOUGLAS STOVALL

Wellsite Supervisors: CLYDE KINSEL, JEREMIAH BANKS

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	8:00	2.00	17,992	NDSTAC	L/D MOUSEHOLE, ATTACH WRANGLER TO BOP, NIPPLE DOWN BOPE REMOVE CHOKE AND KILL LINES, LIFT STACK	
8:00	12:30	4.50	17,992	WELLH	CLEAN WELLHEAD AND SET SLIPS WITH 138K, ROUGH CUT CASING AND LAY OUT CUT OFF JOINT, MAKE FINAL CUT AND DRESS OUT, INSTALL NIGHT CAP ON WELLHEAD. RELEASE RIG AT 12:30 PM 1/25/2022	

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	9.63	0		866		SURF	12.50	40.00	J-55	
FULL	5.50	0	0	17,985	6,857	PROD		17.00		

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
B22012	Drill and complete a 10,600' WC	6,503,678.00	0.00	181,276.57	26,524.50	1,311,025.50	20.16 %
Totals \$:		6,503,678.00	0.00	181,277.00	26,525.00	1,311,026.00	20.16 %

Rig Information

Equipment Problems:

Location Condition:

Transport:

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	12,671			12,671	
Mud	GALS	6,770			6,770	
Extra Fuel Tank	GALS	7,705			7,705	

Safety Information

First Aid Treatments:

Medical Treatments:

Lost Time Incidents:

Days Since LTI:

☐ BOP Test

☐ Crownamatic Check

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	CAMP HOUSING			DRL-240	1,300.00	13-Jan-22	
Notes: HOUSING X 4 1300 A DAY							
Light Tower	LIGHT TOWERS		H&S	DRL-240	300.00	13-Jan-22	
Notes: LIGHT TOWER 6 X 50 A DAY							
Dumpster	TRASH RAILER		H&S	DRL-240	60.00	13-Jan-22	
Notes: TRASH TRAILER & PORT O JOHNS							
Trans. Pump	TRASH PUMPS		H&S	DRL-240	160.00	13-Jan-22	
Notes: TRASH PUMPS X 2 80 EACH							
H2S	H2S MONITORS		AMPRO	DRL-240	250.00	13-Jan-22	



Daily Drilling Report

Well ID: 42-105-42510

Field: Barnyard

SEM Operating Company, LLC

Well Name: University 40 2117WC

Sect: 16 County: Crockett State: TX

Report No: 17

Report For 06:00 AM 26-Jan-22

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Notes: H2S COMPLIANCE PACKAGE 250 A DAY							
Rig Vac	MUD VAC		RENTAL E	DRL-241	135.00	13-Jan-22	
Notes: MUD VAC, DIESEL SPRAYER, MUD MANIFOLD							
Mud Bucket	MUD BUCKET		RENTAL E	DRL-241	1.00	13-Jan-22	
Notes: 1000 PER WELL							
EDM	EDM		TOTCO	DRL-240	700.00	13-Jan-22	
Notes: NOV EDM SYSTEM 700 A DAY							
Fas-line	POLY LINE		SEM	DRL-213	1,000.00	13-Jan-22	
Notes: POLY LINE 1000 A DAY							
SPOOLS	SPOOLS/VBRS		MONAHANS	DRL-240	175.00	13-Jan-22	
Notes: SPOOLS AND VBRS							
Mud logger	MUD LOGGER			DRL-230	1.00	13-Jan-22	
Notes: TOLEDO MUD LOGGERS 1200 A DAY							
Directional	GEO STEERING		SEM	DRL-231	1,000.00	13-Jan-22	
Notes: GEO STEERING 1000 A DAY							
Choke	CHOKE/DRIVE OVER		PAYZONE	DRL-240	200.00	13-Jan-22	
Notes: HYDRAULIC CHOKE, VENT LINES AND DRIVE OVER							
Rotating Hd.	ROTATING HEAD		CUTTER	DRL-240	75.00	13-Jan-22	
Notes: ROTATING HEAD 75 A DAY							
Frac Tanks	FRAC TANKS		THORPE	DRL-245	198.00	13-Jan-22	
Notes: FRAC TANKS 9 @ 22 A DAY							
OBM Control	SOLIDS CONTROL		DES	DRL-210	3,600.00	13-Jan-22	
Notes: DES SOLIDS CONTROL							
Directional	DD, MWD			DRL-246	4,000.00	13-Jan-22	
Notes: PATRIOT DIRECTIONAL DD AND MWD TOOLS (4000 STAND BY)							
Containment	POLLUTION PAN		KATCH	DRL-241	125.00	13-Jan-22	
Notes: POLLUTION PAN 125 A DAY							
TANK	FUEL TANK		FUELCO	DRL-240	40.00	13-Jan-22	
Notes: FUEL TANK FOR CAMP GENERATOR 40 A DAY							
Total Daily Rental Cost \$:					13,320.00		