

Daily Drilling Report

Well ID: 42-383-39868

Field: Impossible

SEM Operating Company, LLC

Well Name: University 9 2901WB

Sect: 29 County: Reagan State: TX

Report No: 12

Report For 06:00 AM 27-Jun-17

Operator:	SEM	Rig:	H&P 467	Spud Date:	Daily Cost / Mud (\$): 86,213 / 5,678			
Measured Depth (ft):	7795	Drilling Days (act.):	12	Well Bore:	Original Well Bore	AFE No.	AFE (\$)	Actual (\$)
Vertical Depth (ft):	7786	Drilling Days (plan):		RKB Elevation (ft):	0.00	041517	6,063,125	1,237,491
Proposed TD (ft):		Days On Location:	12	Last BOP Test:	26-Jun-17			
Hole Made (ft) / Hrs:	269 / 19.0	Last Casing:	9.63 at 7,526			Totals:	6,063,125	1,237,491
Average ROP (ft/hr):	14.16	Next Casing:		Working Interest:		Well Cost (\$):		1,237,491
Pers/Hrs:	Operator: 2 / 24	Contractor:	11 / 132	Service:	6 / 72	Other:	0 / 0	Total: 19 / 228

SafetySummary:

No incidents or events reported. 11 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations:

SLIDE DRILL @ 7,795'.

Planned Operations:

SLIDE DRILL ROTATE DRILL WHEN NEEDED MWD SURVEY, SERVICE RIG.

Toolpusher:

JUAN CANTU

Wellsite Supervisors:

BRUCE DELAUGHTER, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	10:30	4.50	7,526	TRPI	TIH FROM 2,000' TO 7,477', TAG TOP OF FLOAT COLLAR	
10:30	11:00	0.50	7,526	DCS	DRILL OUT SHOE TRACK FROM 7,477' TO 7,526'	
11:00	18:00	7.00	7,600	DRILR	ROTATE DRILL FROM 7,526' TO 7,600' TO KOP, DISPLACE WHILE DRILLING WITH 10# OIL BASE MUD	
18:00	1:00	7.00	7,711	DRILS	SLIDE DRILL FROM 7,600' TO 7,711' TF 35 L, WOB 40, GPM 500, PSI 2575, DIFF 200.	
1:00	1:30	0.50	7,719	DRILR	ROTATE DRILL FROM 7,711' TO 7,719', WOB 25, RPM 20, TORQ 5K, GPM 500, DIFF 90.	
1:30	2:30	1.00	7,739	DRILS	SLIDE DRILL FROM 7,711' TO 7,739' TF 45 L, WOB 40, GPM 500, PSI 2600, DIFF 160.	
2:30	3:30	1.00	7,756	DRILR	ROTATE DRILL FROM 7,739' TO 7,756', WOB 25, RPM 20, TORQ 5K, GPM 500, DIFF 140.	
3:30	4:30	1.00	7,774	DRILS	SLIDE DRILL FROM 7,756' TO 7,774' TF 28 L, WOB 40, GPM 500, PSI 2600, DIFF 160.	
4:30	5:30	1.00	7,788	DRILR	ROTATE DRILL FROM 7,774' TO 7,788', WOB 25, RPM 20, TORQ 5K, GPM 500, DIFF 160.	
5:30	6:00	0.50	7,795	DRILS	SLIDE DRILL FROM 7,788" TO 7,795" TF 45 L, WOB 40, GPM 500, PSI 2600, DIFF 160.	

Casing/Tubular Information

Type	Size (ins)	Top MD (ft)	Top TVD (ft)	Bottom MD (ft)	Bottom TVD (ft)	Hole Section	OH Diam. (ins)	Nom. Wgt. (lbs)	Nominal Grade	LOT (lbs/gal)
FULL	13.38	0		745		SURF	17.50	54.50	J-55	
FULL	9.63	0		7,526			12.25	40.00	L-80	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
041517	D & C 7500' lateral horizontal we	6,063,125.00	5,678.25	59,663.38	86,213.25	1,237,490.97	20.41 %
Totals \$:		6,063,125.00	5,678.00	59,663.00	86,213.00	1,237,491.00	20.41 %

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
26-Jun-17 21:00 at Depth 7,653 ft Mud Pits, Type: Oil Base Mud																				
10.00	36.00	3.00	3.00	5	2		12.1	60.4	25.4		8.1	52000		243012	14	19			06.00	

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
ABS MUL - GALS	275	2,571.25	ENGINEER - EA	1	800.00
ENGINEERING diem - EA	1	50.00	OIL SORB - 50#SK	5	70.00
Restocking Fee - EA	382	191.00	Shrink Wrap - EA	8	100.00
Trucking - EA	1	750.00	Trucking (CWT) - EA	382	1,146.00

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	
2	1	BAKER	VG-20M	8.75	7526	269	19	14.2	30.0	25.00	20	5.00	10	500	2500	215	414	121	557
Jets: 18 18 18				Out:		Grade:		Cutter: /		Dull: /		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 2 - BIT, MMTR, UBHO, NMDC, NMFLEX, XO = 92.08																			

Drilling Parameters

Depth (ft)		ROP (ft/hr)		WOB (lbs)		RPM		Torque (ft lbs)		Flow (gals/min)		Pressure
From	To	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	(psi)
7,526	7,795	14.0	20.0	25.00	40.00	20	20	5.00	5.00	500.00	500.00	2,500.00

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	19,000.00	Pick Up:	190,000.00	Slack Off:	102,000.00	Drag Avg/Max:	/
Slow Circulation Data:								
Pump 1:		30 spm	500 psi	40 spm	560 psi	50 spm	630 psi	
Pump 2:		30 spm	470 psi	40 spm	540 psi	50 spm	620 psi	
Pump 3:		30 spm		40 spm		50 spm		

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Report No: 12		Report For 06:00 AM 27-Jun-17									
Survey Information											
Survey Type		Meas. Depth	Inc.	Azimuth	TVD	Closure	Vertical Section	Coordinates			
								N-S	E-W	D.L.S.	
MWD		7,596.0	1.01	30.1	7,590.8	160.4	77.7	N 74.9	E 141.8	0.93	
MWD		7,627.0	5.76	5.7	7,621.7	161.5	79.5	N 76.7	E 142.1	15.67	
MWD		7,659.0	11.56	3.4	7,653.3	164.1	84.3	N 81.5	E 142.5	18.16	
MWD		7,687.0	17.05	359.5	7,680.4	167.8	91.2	N 88.4	E 142.6	19.89	
MWD		7,722.0	22.24	356.0	7,713.4	173.8	103.0	N 100.1	E 142.1	15.20	
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						
Shaker No 4:		200	200	200	200						
Bulk Inventory											
Item Type				Units	Beginning	Used	Received		On Hand	Net	
Fuel				GALS	11,798	1,968			9,830		
Office trailer generator				GALS	337	50			287		
Mud				GALS	8,627	529			8,098		
Safety Information											
Meetings/Drills		Time		Description							
Safety		30		DISPLACE OIL BASE MUD MAKING CONNECTION							
First Aid Treatments:			Medical Treatments:			Lost Time Incidents:			Days Since LTI:		11
<input type="checkbox"/> BOP Test		<input checked="" type="checkbox"/> Crownamatic Check									
Weather Information											
Sky Condition:				CLOUDY				Visibility:			
Air Temperature:				70.00 degF				Bar. Pressure:		29	
Wind Speed/Dir:				5 / S				Wind Gusts:			
Rental Tools Information											
Type	Description			Serial No.	Vendor	Acct Code	Today's Cost \$		Start	End	
Trailer	HOUSING				TREND	9240-01	900.00		15-Jun-17		
Notes: 4 TRAILERS											
Frac Tanks	FRAC TANKS				THORPE	9245-01	175.00		15-Jun-17		
Notes: 7 FRAC TANKS											
PVT	RIG SENSE				TOTCO	9240-01	388.00		15-Jun-17		
Light Tower	LIGHT TOWERS				CACTUS	9240-01	175.00		15-Jun-17		
Notes: 7 LIGHT PLANTS											
drive over	DRIVE OVER				MCGUIRE	9240-01	90.00		15-Jun-17		
OBM Control	CENTRIFUGES				DES	9210-01	3,050.00		15-Jun-17		
Frac Tanks	OBM STORAGE				PURITY	9210-01	489.00		15-Jun-17		
Notes: 5 TANKS AND MANIFOLD											
SPOOLS	BOP SPACER SPOOL				MONAHANS	9240-01	110.00		15-Jun-17		
Trans. Pump	TRANS PUMP				TIGER	9240-01	300.00		15-Jun-17		
Notes: 3 TIGER 4X4 PUMPS											
H2S	AMPRO H2S				AMPRO	9240-01	100.00		15-Jun-17		
Rotating Hd.	ROT HEAD				AIR DRIL	9240-01	120.00		15-Jun-17		
Mud Bucket	mud bucket				STABIL	9241-01	110.00		15-Jun-17		
Rig Vac	MUD VACUME				KSW	9241-01	200.00		15-Jun-17		
Notes: MUD VAC/SHAKER WASHER											
Containment	KATCH KAN				KATCH	9240-01	150.00		27-Jun-17		
Notes: KATCH KAN											
Total Daily Rental Cost \$:							6,357.00				