



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: 4

Report For 06:00 AM 19-Jun-17

Operator:	SEM	Rig:	H&P 467	Spud Date:		Daily Cost / Mud (\$):	371,599 / 4,830
Measured Depth (ft):	3136	Drilling Days (act.):	4	Well Bore:	Original Well Bore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	3133	Drilling Days (plan):		RKB Elevation (ft):	0.00	041517	6,063,125 493,953
Proposed TD (ft):		Days On Location:	4	Last BOP Test:			
Hole Made (ft) / Hrs:	2,296 / 23.0	Last Casing:	13.38 at 745			Totals:	6,063,125 493,953
Average ROP (ft/hr):	99.83	Next Casing:		Working Interest:		Well Cost (\$):	493,953
Pers/Hrs:	Operator: 2 / 24	Contractor:	13 / 156	Service:	5 / 60	Other:	0 / 0
						Total:	20 / 240

SafetySummary: No incidents or events reported. 3 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 12.25" HOLE @ 3136'

Planned Operations: DRILLING 12.25" HOLE

Toolpusher: LUKE BOYD

Wellsite Supervisors: BRUCE DELAUGHTER, DARYL MCENTYRE

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	15:30	9.50	1,981	DRILR	ROTATE DRILL FROM 840' TO 1,981', RPM 30, WOB 25, TQ 10, GPM 800, DIFF 600, SPP 2,300	
15:30	16:30	1.00	2,021	DRILS	SLIDE DRLG, FROM 1,981' TO 2,021', MTF-47,WOB 25, GPM 730, DIFF 450, PSI-2000.	
16:30	17:30	1.00	2,076	DRILR	ROTATE DRILL FROM 2021' TO 2076', RPM 30, WOB 25, TQ 10, GPM 730, DIFF 600, SPP 2,200	
17:30	18:00	0.50	2,096	DRILS	SLIDE DRLG, FROM 2076' TO 2096', MTF-47,WOB 25, GPM 730, DIFF 450, PSI-2000.	
18:00	18:30	0.50	2,171	DRILR	ROTATE DRILL FROM 2096' TO 2171', RPM 30, WOB 25, TQ 10, GPM 730, DIFF 600, SPP 2,200	
18:30	19:00	0.50	2,190	DRILS	SLIDE DRLG, FROM 2171' TO 2190', MTF-45,WOB 25, GPM 730, DIFF 450, PSI-2000.	
19:00	19:30	0.50	2,190	WOW	WAITING ON WEATHER TORNADO SPOTTED SOUTH OF RIG	
19:30	20:00	0.50	2,255	DRILS	SLIDE DRLG, FROM 2190' TO 2255', MTF-45,WOB 25, GPM 730, DIFF 450, PSI-2000.	
20:00	20:30	0.50	2,255	WOW	WAITING ON WEATHER TORNADO SPOTTED NORTH OF RIG	
20:30	21:00	0.50	2,370	DRILR	ROTATE DRILL FROM 2255' TO 2370', RPM 30, WOB 25, TQ 10, GPM 730, DIFF 600, SPP 2,200	
21:00	22:00	1.00	2,444	DRILS	SLIDE DRLG, FROM 2370' TO 2444', MTF-45,WOB 25, GPM 730, DIFF 450, PSI-2000.	
22:00	0:30	2.50	2,642	DRILR	ROTATE DRILL FROM 2444' TO 2642', RPM 30, WOB 25, TQ 10, GPM 795, DIFF 650, SPP 2,450	
0:30	1:30	1.00	2,727	DRILS	SLIDE DRLG, FROM 2642' TO 2727', MTF-45,WOB 25, GPM 800, DIFF 245, PSI-2200.	
1:30	6:00	4.50	3,136	DRILR	ROTATE DRILL FROM 2727' TO 3136', RPM 30, WOB 25, TQ 12, GPM 795, DIFF 580, SPP 2,450, SURVEY @ 3049' INC=4.53 AZM 52.94	

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	

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	4,830	14,661	371,599	493,953	8.15 %
	Totals \$:	6,063,125	4,830	14,661	371,599	493,953	8.15 %

Mud Information

Dens.	Vis	PV	YP	Filt.	Cake	pH/ES	Solids	Oil	Water	Sand	LGS	Cl	Ca	CaCl	10s	Gels 10m	30m	Temp In	Out	Mud Loss
18-Jun-17 22:00																				
9.80	28.00	1.00	1.00		1	9.1	10.1		89.9		0	171000	1600		1	1		86.00	91.00	



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Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AGRI PLUG (40) - 40#SK	35	282	Cedar Fiber Fine - 40#SK	20	162
Drilling paper - 40#SK	20	255	ENERVIS RM - 5GAL	2	185
ENGINEER - DAY	1	800	ENGINEERING diem - EA	1	50
Gel - 100#SK	223	2,141	Lime - 50#SK	15	107
NUT PLUG - 50#SK	-15	-267	SAPP Sticks - EA	9	32
Soad ash - 100#SK	2	55	Soap Sticks - EA	9	28
Trucking (CWT) - EA	333	999			

Bit/BHA/Workstring Information

No Run		Make	Model	Diam	Depth In	This Run Dist	Run Hrs	R.O.P. Avg	Max	WOB	RPM	Torque	Wt	Mud Flow	Pump Press	J. Vel	P. Drp	HHP	JIF
1	1	NOV	SK716M	12.25	763	2,373	24.5	96.9	100.0	25.00	30	10	10	795	2450	148	192	89	596
Jets: 16 16 16 16 16 22 22 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:																			
BHA - No. 1 - BIT, MMTR, MSUB, NMDC, STAB, NMDC, STAB, SHOCK, XO, 3 DC, XO, 11 DC, JAR, 2 DC, 7 HWDP, XO = 840.04																			

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)
840	3,136	100.0	225.0	25.00	30.00	30	30	10,000.	12,000.	795.00	795.00	2,450.00
Annular Velocity:		Drill Collars:		226.4	Drill Pipe:		155.8					

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	142.00	Pick Up:	148.00	Slack Off:	139.00	Drag Avg/Max:	3 / 6
Slow Circulation Data:								
Pump 1:	30 spm	130 psi	40 spm	150 psi	50 spm	200 psi		
Pump 2:	30 spm	130 psi	40 spm	150 psi	50 spm	200 psi		
Pump 3:	30 spm	120 psi	40 spm	150 psi	50 spm	200 psi		

Rig Information

Equipment Problems:	
Location Condition:	
Transport:	

Solids Control Information

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

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	13,201	2,633		10,568	
Office trailer generator	GALS	435	35		400	
Mud	GALS	0	0		0	

Safety Information

Meetings/Drills	Time	Description
Safety	30	DRILLING, MIXING GEL MUD
First Aid Treatments:	Medical Treatments:	Lost Time Incidents:
Days Since LTI:	3	
<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	HOUSING		TREND	9240-01	900	15-Jun-17	
Notes: 4 TRAILERS							
Frac Tanks	FRAC TANKS		THORPE	9245-01	175	15-Jun-17	
Notes: 7 FRAC TANKS							
PVT	RIG SENSE		TOTCO	9240-01	363	15-Jun-17	



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Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Light Tower	LIGHT TOWERS		CACTUS	9240-01	175	15-Jun-17	
Notes: 7 LIGHT PLANTS							
drive over	DRIVE OVER		MCGUIRE	9240-01	90	15-Jun-17	
OBM Control	CENTRIFUGES		DES	9210-01	1,650	15-Jun-17	
Frac Tanks	OBM STORAGE		PURITY	9210-01	489	15-Jun-17	
Notes: 5 TANKS AND MANIFOLD							
SPOOLS	BOP SPACER SPOOL		MONAHANS	9240-01	210	15-Jun-17	
Trans. Pump	TRANS PUMP		TIGER	9240-01	300	15-Jun-17	
Notes: 3 TIGER 4X4 PUMPS							
H2S	AMPRO H2S		AMPRO	9240-01	100	15-Jun-17	
Rotating Hd.	ROT HEAD		AIR DRIL	9240-01	120	15-Jun-17	
Mud Bucket	mud bucket		STABIL	9241-01	110	15-Jun-17	
Rig Vac	MUD VACUME		KSW	9241-01	200	15-Jun-17	
Notes: MUD VAC/SHAKER WASHER							

Total Daily Rental Cost \$: 4,882