



Daily Drilling Report

Well ID: 42-383-39869

Field: Impossible

SEM Operating Company, LLC

Well Name: University 9 2902WB

Sect: 29 County: Reagan State: TX

Report No: 9

Report For 06:00 AM 13-Jul-17

Operator:		SEM OPERATING		Rig:		H&P 467		Spud Date:		Daily Cost / Mud (\$):		85,843 / 14,035			
Measured Depth (ft):		5270		Drilling Days (act.):		9		Well Bore: Original Well Bore		AFE No.		AFE (\$)		Actual (\$)	
Vertical Depth (ft):		5265		Drilling Days (plan):				RKB Elevation (ft): 0.00		041717		6,063,125		388,527	
Proposed TD (ft):				Days On Location:		9		Last BOP Test:							
Hole Made (ft) / Hrs:		899 / 23.5		Last Casing:		13.38 at 745				Totals:		6,063,125		388,527	
Average ROP (ft/hr):		38.26		Next Casing:				Working Interest:		Well Cost (\$):				388,527	
Pers/Hrs:		Operator: 2 / 24		Contractor:		11 / 132		Service:		6 / 72		Other:		5 / 60	
												Total:		24 / 288	

SafetySummary: No incidents or events reported. 6 days since LTI. Conducted Safety Meeting.

Current Operations: DRILLING 12 1/4" HOLE @ 5270'

Planned Operations: DRILLING 12 1/4" 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	16:00	10.00	4,841	DRILR	DRLG 12.25" HOLE FROM 4371' TO 4841' GPM 550, PSI=1510, DIFF=450, WOB=25, RPM=60	
16:00	16:30	0.50	4,841	SERV	SERVICE RIG	
16:30	6:00	13.50	5,270	DRILR	DRLG 12.25" HOLE FROM 4841' TO 5270' GPM 450, PSI=1100, DIFF=350, WOB=28, RPM=50, DRILLING WITH PARTIAL LOSS PUMPING 20 BBL LCM SWEEPS TO MAINTAIN FLOW 85 TO 95% FLOW, LAST SURVEY @ 5162' INC=2.73 AZM=64.17	

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				

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
041717	D & C a 7500' Lateral horizontal	6,063,125.00	14,035.36	31,943.23	85,843.36	388,527.23	6.41 %
Totals \$:		6,063,125.00	14,035.00	31,943.00	85,843.00	388,527.00	6.41 %

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				
12-Jul-17 22:00 at Depth 5,053 ft Mud Pits, Type: Saturated Salt Mud																								
9.10	36.00	6.00	8.00		1	8.9	4.6		95.4		3.4	27000	680		7	12		07.00	21.00					

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AGRI PLUG (40) - 40#SK	30	241.80	Barite - 100#SK	172	2,153.44
Barite (Bulk) - EA	132	1,448.04	BLUE MAX - 5GAL	6	256.98
Cedar Fiber Fine - 40#SK	30	243.60	Cottonseed hulls - 40#SK	30	360.00
DeFOAMer - 5GAL	3	231.60	Drilling paper - EA	30	382.50
ENGINEER - EA	1	800.00	ENGINEERING diem - EA	1	50.00
Gel - 100#SK	349	3,350.40	Restocking Fee - EA	289	144.50
Shrink Wrap - EA	11	137.50	Trucking - EA	1	750.00
Trucking (CWT) - EA	790	2,370.00	Trucking (CWT) - EA	446	1,115.00

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	HPH	JIF				
1	1	NOV	SK716M	12.25	750	4,520	77	58.7	60.0	28.00	50	10,	9	500	1150	62	31	9	145				
Jets: 22 22 22 22 22 22 22				Out:		Grade:		Cutter:		/		Dull:		/		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 1 - BIT, MMTR, MSUB, NMDC, STAB, NMDC, STAB, SHOCK, 3 DC, XO, 12 DC, JAR, 9 DC, XO = 883.03																							



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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	
4,371	5,270	39.0	60.0	28.00	30.00	50	60	10.00	14.00	500.00	550.00	1,150.00
Annular Velocity:		Drill Collars:		142.4	Drill Pipe:		81.7					

Miscellaneous Drilling Parameters

Hook Loads (lbs): Off Bottom Rotate: 200.00 Pick Up: 215.00 Slack Off: 180.00 Drag Avg/Max: 15 / 20

Slow Circulation Data:

Pump 1:	30 spm	130 psi	40 spm	150 psi	50 spm	180 psi
Pump 2:	30 spm	130 psi	40 spm	160 psi	50 spm	180 psi

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	6,362	1,489	6,925	11,798	5,436
Office trailer generator	GALS	395	30		365	
Mud	GALS	8,433	0		8,433	

Safety Information

Meetings/Drills	Time	Description
Safety	30	DRILLING OPS,H2S
First Aid Treatments:		Medical Treatments:
Lost Time Incidents:		Days Since LTI: 6
<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	HOUSING		TREND	9240-01	900.00	08-Jul-17	
Frac Tanks	FRAC TANKS		THORPE	9245-01	175.00	08-Jul-17	
PVT	RIG SENSE		TOTCO	9240-01	388.00	08-Jul-17	
Light Tower	LIGHT TOWER		CACTUS	9240-01	125.00	08-Jul-17	
OBM Control	CENTRIFUGES		DES	9210-01	3,050.00	08-Jul-17	
Frac Tanks	OBM STORAGE		PURITY	9210-01	489.00	08-Jul-17	
Trans. Pump	TRANS PUMP		TIGER	9240-01	185.00	08-Jul-17	
Notes: RELEASED 6" PUMP							
H2S	AMPRO H2S		AMPRO	9240-01	100.00	08-Jul-17	
Rig Vac	MUD VAC		KSW	9241-01	200.00	08-Jul-17	
Trans. Pump	TRANSFER PUMP		KSW	9241-01	185.00	11-Jul-17	
Total Daily Rental Cost \$:					5,797.00		