



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: 13

Report For 06:00 AM 17-Jul-17

Operator:		SEM OPERATING		Rig:		H&P 467		Spud Date:		Daily Cost / Mud (\$):		39,938 / 6,201									
Measured Depth (ft):		6697		Drilling Days (act.):		13		Well Bore: Original Well Bore		AFE No.		AFE (\$)		Actual (\$)							
Vertical Depth (ft):		6692		Drilling Days (plan):				RKB Elevation (ft): 0.00		041717		6,063,125		589,043							
Proposed TD (ft):				Days On Location:		13		Last BOP Test:													
Hole Made (ft) / Hrs:		889 / 23.5		Last Casing:		13.38 at 745				Totals:		6,063,125		589,043							
Average ROP (ft/hr):		37.83		Next Casing:				Working Interest:		Well Cost (\$):				589,043							
Pers/Hrs:		Operator:		2 / 24		Contractor:		11 / 132		Service:		6 / 72		Other:		0 / 0		Total:		19 / 228	

Safety Summary: No incidents or events reported. 10 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 12 1/4" HOLE @ 6697'

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	15:30	9.50	6,216	DRILR	DRILL FROM 5808' TO 6216' WOB=25 RPM=45 DIFF=435 PSI=1175 TQ=11,000	
15:30	16:00	0.50	6,216	SERV	SERVICE RIG	
16:00	0:00	8.00	6,499	DRILR	DRILL FROM 6216' TO 6499' WOB=28 RPM=45 DIFF=435 PSI=1175 TQ=9,000	
0:00	1:30	1.50	6,525	DRILS	SLIDE FROM 6499' TO 6525', TF=180 GPM=500 WOB=42 DIFF=250	
1:30	6:00	4.50	6,697	DRILR	DRILL FROM 6525' TO 6697' WOB=28 RPM=45 DIFF=380 PSI=1310 TQ=9,000 SURVEY @ 6443'2, INC=2.90 AZM=92.12	

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

A/E No	A/E Description	A/E Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
041717	D & C a 7500' Lateral horizontal	6,063,125.00	6,200.81	59,060.56	39,937.81	589,043.36	9.72 %
	Totals \$:	6,063,125.00	6,201.00	59,061.00	39,938.00	589,043.00	9.72 %

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			
16-Jul-17 22:00 at Depth 6,434 ft Mud Pits, Type: Saturated Salt Mud																							
9.20	35.00	5.00	9.00		1	9.5	5.4		94.6		4.4	23000	600		8	12		98.00	07.00				

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AGRI PLUG (40) - 40#SK	12	96.72	Barite - EA	25	313.00
BLUE MAX - 5GAL	4	171.32	Caustic - 50#SK	3	74.34
Cedar Fiber Fine - 50#SK	12	97.44	Drilling paper - EA	12	153.00
ENGINEER - EA	1	800.00	ENGINEERing diem - EA	1	50.00
Gel - 100#SK	300	2,880.00	NUT PLUG - 50#SK	6	106.62
SAPP - 50#SK	3	277.44	Soad ash - 100#SK	1	13.93
Trucking (CWT) - EA	389	1,167.00			

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	3	NOV	716M	12.25	5297	1,400	36.5	38.4	60.0	28.00	45	9,	9	500	1310	62	31	9	145								
Jets: 22				22	22	22	22	Out:		Grade:		Cutter:		/		Dull:		/		Wear:		Brgs:		Gge:		Pull:	
BHA - No. 3 - BIT, MMTR, MSUB, NMDC, STAB, NMDC, STAB, XO, 3 DC, XO, 21 DC, XO = 844.76																											

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	
5,808	6,697	38.0	60.0	28.00	28.00	45	45	9,000.00	12,000.	500.00	500.00	1,310.00
Annular Velocity:		Drill Collars:		142.4	Drill Pipe:		81.7					

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		220.00	Pick Up:	235.00	Slack Off:	200.00	Drag Avg/Max:	15 / 20
Slow Circulation Data:										
Pump 1:		30 spm	220 psi	40 spm	240 psi	50 spm	270 psi			
Pump 2:		30 spm	220 psi	40 spm	240 psi	50 spm	270 psi			
Pump 3:		30 spm	210 psi	40 spm	230 psi	50 spm	260 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	8,109	1,454		6,655	
Office trailer generator	GALS	270	30		240	
Mud	GALS	8,433	0		8,433	



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Sect: 29 County: Reagan State: TX

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Safety Information

Meetings/Drills	Time	Description
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First Aid Treatments:	Medical Treatments:	Lost Time Incidents:	Days Since LTI:	10
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<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check
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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	9240-01	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	
H2S	AMPRO H2S		AMPRO	9240-01	150.00	08-Jul-17	
Rig Vac	MUD VAC		KSW	9240-01	200.00	08-Jul-17	
Trans. Pump	TRANSFER PUMP		KSW	9240-01	185.00	11-Jul-17	
SPOOLS	BOP SPACER		MONAHANS	9240-01	110.00	08-Jul-17	
Rotating Hd.	ROT HEAD		AIR DRIL	9240-01	120.00	08-Jul-17	
Mud Bucket	MUD BUCKET		STABIL	9240-01	110.00	08-Jul-17	
OBM Control	KATCH KAN		KATCH	9240-01	175.00	16-Jul-17	

Total Daily Rental Cost \$:	6,362.00
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