



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: 7

Report For 06:00 AM 11-Jul-17

Operator:		SEM OPERATING		Rig:		H&P 467		Spud Date:		Daily Cost / Mud (\$):		51,629 / 3,004									
Measured Depth (ft):		3742		Drilling Days (act.):		7		Well Bore:		Original Well Bore		AFE No.		AFE (\$)		Actual (\$)					
Vertical Depth (ft):		3737		Drilling Days (plan):				RKB Elevation (ft):		0.00		041717		6,063,125		250,336					
Proposed TD (ft):				Days On Location:		7		Last BOP Test:													
Hole Made (ft) / Hrs:		1,414 / 24.0		Last Casing:		13.38 at 745						Totals:		6,063,125		250,336					
Average ROP (ft/hr):		58.92		Next Casing:				Working Interest:				Well Cost (\$):				250,336					
Pers/Hrs:		Operator:		2 / 24		Contractor:		11 / 132		Service:		7 / 84		Other:		0 / 0		Total:		20 / 240	

Safety Summary: No incidents or events reported. 4 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 12 1/4" HOLE @ 3742'

Planned Operations: DRILLING 12 1/4" DISPLACE WITH WATER BASE MUD

Toolpusher: LUKE BOYD

Wellsite Supervisors: GUY EMBRY, DARYL MCENTYRE

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	6:30	0.50	2,328	DRILS	SLIDE FROM 2328' TO 2360' MTF=180 PSI=2050 DIFF=350 WOB=25	
6:30	7:00	0.50	2,404	DRILR	DRLG 12.25" HOLE FROM 2260' TO 2404' GPM 775, PSI=2100, DIFF=460, WOB=25, RPM=60	
7:00	7:30	0.50	2,429	DRILS	SLIDE FROM 2404' TO 2429' MTF=205 PSI=2100 DIFF=430 WOB=25	
7:30	11:30	4.00	2,772	DRILR	DRLG 12.25" HOLE FROM 2429' TO 2772' GPM 775, PSI=2200, DIFF=550, WOB=25, RPM=60	
11:30	12:30	1.00	2,802	DRILS	SLIDE FROM 2772' TO 2802' MTF=45 PSI=2450 DIFF=490 WOB=25	
12:30	13:30	1.00	2,867	DRILR	DRLG 12.25" HOLE FROM 2802' TO 2867' GPM 775, PSI=2300, DIFF=450, WOB=25, RPM=60	
13:30	15:30	2.00	2,938	DRILS	SLIDE FROM 2867' TO 2938' MTF=45 PSI=2450 DIFF=490 WOB=25	
15:30	17:00	1.50	3,056	DRILR	DRLG 12.25" HOLE FROM 2938' TO 3056' GPM 775, PSI=2300, DIFF=450, WOB=25, RPM=60	
17:00	18:30	1.50	3,068	DRILS	SLIDE FROM 3056' TO 3068' MTF=45 PSI=2150 DIFF=490 WOB=25	
18:30	20:00	1.50	3,145	DRILR	DRLG 12.25" HOLE FROM 3068' TO 3145' GPM 775, PSI=2300, DIFF=450, WOB=25, RPM=60	
20:00	21:00	1.00	3,175	DRILS	SLIDE FROM 3145' TO 3175' MTF=45 PSI=2150 DIFF=500 WOB=25	
21:00	22:30	1.50	3,239	DRILR	DRLG 12.25" HOLE FROM 3175' TO 3239' GPM 775, PSI=2300, DIFF=400, WOB=25, RPM=60	
22:30	0:00	1.50	3,289	DRILS	SLIDE FROM 3239' TO 3289' MTF=45 PSI=2150 DIFF=500 WOB=35	
0:00	5:00	5.00	3,711	DRILR	DRLG 12.25" HOLE FROM 3289' TO 3711' GPM 775, PSI=2600, DIFF=500, WOB=27, RPM=60	
5:00	6:00	1.00	3,742	DRILS	SLIDE FROM 3711' TO 3742' MTF=45 PSI=2360 DIFF=500 WOB=35, LAST SURVEY @ 3656' INC=1.67 AZM=245.40	

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	3,003.79	14,484.75	51,628.79	250,335.75	4.13 %
Totals \$:		6,063,125.00	3,004.00	14,485.00	51,629.00	250,336.00	4.13 %

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	
10-Jul-17 22:00 at Depth 3,220 ft Mud Pits, Type: Saturated Salt Mud																					
10.10	29.00	1.00	1.00															18.00	24.00		

Comments: BRINE WATER



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Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
ENGINEER - EA	1	800.00	ENGINEERING diem - EA	1	50.00
Gel - 100#SK	220	2,112.00	Soad ash - EA	3	41.79

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	NOV	SK716M	12.25	750	2,992	39.5	75.7	160.0	27.00	60	9,	10	775	2360	96	83	37	388		
Jets: 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																					

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)	
2,328	3,742	59.0	160.0	27.00	35.00	60	60	9,000.00	13,000.	775.00	775.00	2,360.00	
Annular Velocity: Drill Collars:				220.7	Drill Pipe:				126.6				

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		153.00	Pick Up:		162.00	Slack Off:		149.00	Drag Avg/Max:		4 / 8
Slow Circulation Data:													
Pump 1:		30 spm	110 psi		40 spm		145 psi		50 spm		167 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	10,386	2,277		8,109	
Office trailer generator	GALS	465	40		425	
Mud	GALS	1,504	0	6,929	8,433	6,929

Safety Information

Meetings/Drills	Time	Description
Safety	30	DRILLING OPS, HOUSE KEEPING
First Aid Treatments:		Medical Treatments:
Lost Time Incidents:		Days Since LTI: 4
<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	900.00	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		