



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: 12

Report For 06:00 AM 16-Jul-17

Operator:	SEM OPERATING	Rig:	H&P 467	Spud Date:		Daily Cost / Mud (\$):	45,826 / 5,154
Measured Depth (ft):	5808	Drilling Days (act.):	12	Well Bore:	Original Well Bore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	5803	Drilling Days (plan):		RKB Elevation (ft):	0.00	041717	6,063,125 536,756
Proposed TD (ft):		Days On Location:	12	Last BOP Test:			
Hole Made (ft) / Hrs:	347 / 7.5	Last Casing:	13.38 at 745			Totals:	6,063,125 536,756
Average ROP (ft/hr):	46.27	Next Casing:		Working Interest:		Well Cost (\$):	536,756
Pers/Hrs:	Operator: 2 / 24	Contractor:	11 / 132	Service:	6 / 72	Other:	0 / 0
						Total:	19 / 228

SafetySummary: No incidents or events reported. 9 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 12 1/4" HOLE @ 5808'

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	8:00	2.00	5,461	TRPO	POOH FROM 5,461' TO 3,100'	X
8:00	8:30	0.50	5,461	CIRC	CIRCULATE BOTTOMS UP AND PUMP WALNUT AROUND BIT TO CLEAN OFF, BIT WAS BALLED UP AND TRYING TO SWAB	X
8:30	11:30	3.00	5,461	TRPO	FINISH POOH TO DIRECTIONAL TOOLS	X
11:30	15:30	4.00	5,461	DIR	LAY DOWN STABILIZERS, CHANGE OUT MWD AND UBHO SUB AND SLEEVE, SCRIBE MOTOR, INSTALL MWD AND STABILIZERS AND TEST MWD, TEST FAILED, CHANGE OUT MWD AND TEST GOOD, NO LCM INSIDE MWD TOOL	X
15:30	16:30	1.00	5,461	TRPI	TIH WITH COLLARS AND DRILL PIPE TO 934'	X
16:30	17:00	0.50	5,461	INSTAL	INSTALL ROTATING HEAD	X
17:00	17:30	0.50	5,461	TRPI	TIH FROM 934' TO 3,012'	X
17:30	18:00	0.50	5,461	CIRC	CIRCULATE BOTTOMS UP @ 3012'	X
18:00	22:30	4.50	5,461	TRPI	TRIP IN HOLE F/ 3012' TO 5461' RE-LOGGING F/5261' TO 5461'	X
22:30	6:00	7.50	5,808	DRILR	DRILL FROM 5461' TO 5808' WOB=25 RPM=30 DIFF=480 PSI=1280 TQ=10,000, SURVEY @ 5689' INC=2.11 AZM=84.47	

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	5,153.97	52,859.75	45,825.97	536,755.55	8.85 %
	Totals \$:	6,063,125.00	5,154.00	52,860.00	45,826.00	536,756.00	8.85 %

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
15-Jul-17 22:00	at Depth 5,455 ft	Mud Pits, Type: Saturated Salt Mud																		
9.10	34.00	6.00	7.00		1	8.8	5		95		3.8	26000	680		7	12		88.00	03.00	

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AGRI PLUG (40) - 40#SK	6	48.36	Barite - EA	45	563.40
BLUE MAX - 5GAL	6	256.98	Cedar Fiber Fine - 50#SK	4	32.48
Cottonseed hulls - 40#SK	-18	-216.00	DeFOAMer - 5GAL	9	694.80
Drilling paper - EA	6	76.50	ENGINEER - EA	1	800.00
ENGINEERING diem - EA	1	50.00	Gel - 100#SK	70	672.00
MYACIDE - 5GAL	1	171.89	NUT PLUG - 50#SK	4	71.08
SAPP - 50#SK	1	92.48	Shrink Wrap - EA	8	100.00
Trucking - EA	1	750.00	Trucking (CWT) - EA	330	990.00



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Bit/BHA/Workstring Information

										Depth		This Run		R.O.P.				Mud		Pump			
No Run		Make	Model		Diam	Depth In	Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow	Press	J. Vel	P. Drp	HHP	JIF			
2	3	NOV	716M		12.25	5297	511	13	39.3	70.0	25.00	30	10,	9	50	1280	6	0	0	1			
Jets: 22 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	
5,461	5,808	46.3	70.0	25.00	25.00	30	30	9,500.00	10,000.	450.00	450.00	1,280.00
Annular Velocity:		Drill Collars:		128.2	Drill Pipe:		73.5					

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	205.00	Pick Up:	115.00	Slack Off:	190.00	Drag Avg/Max:	10 / 15
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	150 psi	50 spm	180 psi		
Pump 3:	30 spm	130 psi	40 spm	160 psi	50 spm	190 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	9,453	1,344		8,109	
Office trailer generator	GALS	300	30		270	
Mud	GALS	8,433	0		8,433	

Safety Information

Meetings/Drills	Time	Description
Safety	30	TRIPPING PIPE, DRILLING OPS
First Aid Treatments:	Medical Treatments:	Lost Time Incidents:
Days Since LTI:	9	
<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