



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: 11

Report For 06:00 AM 15-Jul-17

Operator:	SEM OPERATING	Rig:	H&P 467	Spud Date:		Daily Cost / Mud (\$):	45,060 / 7,902
Measured Depth (ft):	5461	Drilling Days (act.):	11	Well Bore:	Original Well Bore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	5456	Drilling Days (plan):		RKB Elevation (ft):	0.00	041717	6,063,125 490,930
Proposed TD (ft):		Days On Location:	11	Last BOP Test:			
Hole Made (ft) / Hrs:	164 / 5.5	Last Casing:	13.38 at 745			Totals:	6,063,125 490,930
Average ROP (ft/hr):	29.82	Next Casing:		Working Interest:		Well Cost (\$):	490,930
Pers/Hrs:	Operator: 2 / 24	Contractor:	11 / 132	Service:	6 / 72	Other:	0 / 0
						Total:	19 / 228

SafetySummary: No incidents or events reported. 8 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: TRIPPING OUT OF HOLE

Planned Operations: TRIP OUT OF HOLE CHANGE OUT MWD TOOL,TRIP IN HOLE,DRILL 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	5,297	TRPO	POOH FROM 4,000' TO 987'	X
8:00	8:30	0.50	5,297	INSTAL	REMOVE ROTATING HEAD	X
8:30	10:00	1.50	5,297	TRPO	POOH TO DIRECTIONAL TOOLS	X
10:00	15:30	5.50	5,297	DIR	LAY DOWN SHOCK SUB, STABILIZERS, JARS, MOTOR AND BIT, COULDN'T GET MWD OUT OF CARRIER AND LAY DOWN ON PIPE RACKS AND REMOVE PIN WEDGED BESIDE MWD, PICK UP NEW MOTOR, MWD AND STABILIZERS AND BIT	X
15:30	16:30	1.00	5,297	TRPI	TIH F/109' TO 920'	X
16:30	17:00	0.50	5,297	INSTAL	INSTALL ROT HEAD,FILL PIPE CIRC.	X
17:00	23:00	6.00	5,297	TRPI	TRIP IN HOLE F/920' TO 5297' BREAKING CIRC EVERY 5 STD,CIRC BOTTOM UP EVERY 10 STD, RELOG FROM 5280' TO 5297'	X
23:00	4:30	5.50	5,461	DRILR	DRILL FROM 5297' TO 5461' WOB=25 RPM=40 DIFF=300 PSI=1125 TQ=9500, MWD STOP PULSING WHEN STARTED DRILLING	
4:30	5:00	0.50	5,461	REPMM	TROUBLE SHOOT MWD,	X
5:00	6:00	1.00	5,461	CIRC	CIRCULATE BOTTOMS UP	X

Comments

MWD FAILURE

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	7,902.13	47,705.78	45,059.93	490,929.58	8.10 %
	Totals \$:	6,063,125.00	7,902.00	47,706.00	45,060.00	490,930.00	8.10 %

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				
14-Jul-17 22:00 at Depth 5,282 ft Mud Pits, Type: Saturated Salt Mud																								
9.10	39.00	5.00	4.00		1	8.8	5.1		94.9		4.2	21000	680		8	18		88.00						

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AGRI PLUG (40) - 40#SK	9	72.54	Barite - EA	80	1,001.60
BLUE MAX - 5GAL	1	42.83	Cedar Fiber Fine - 50#SK	9	73.08
Cottonseed hulls - 40#SK	3	36.00	DeFOAMer - 5GAL	10	772.00
Drilling paper - EA	9	114.75	ENGINEER - EA	1	800.00
ENGINEERING diem - EA	1	50.00	Forklift - EA	1	150.00
Gel - 100#SK	229	2,198.40	Shrink Wrap - EA	12	150.00
Soad ash - 100#SK	1	13.93	Trucking (CWT) - EA	809	2,427.00



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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
2	3	NOV	716M	12.25	5297	164	5.5	29.8	75.0	25.00	40	9,	9	450	1125	56	25	7	118
Jets: 22 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	Avg	Max
5,297	5,461	30.0	75.0	25.00	25.00	40	40	9,500.00	11,000.	450.00	450.00	1,125.00	
Annular Velocity: Drill Collars:				128.2	Drill Pipe:				73.5				

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	200.00	Pick Up:	210.00	Slack Off:	185.00	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	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	10,568	1,115		9,453	
Office trailer generator	GALS	330	30		300	
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:	8	
<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