

Daily Drilling Report

Well ID: 42-383-39868

Field: Impossible

SEM Operating Company, LLC

Well Name: University 9 2901WB

Sect: 29 County: Reagan State: TX

Report No: 7

Report For 06:00 AM 22-Jun-17

Operator: SEM		Rig: H&P 467		Spud Date:		Daily Cost / Mud (\$): 59,819 / 5,520	
Measured Depth (ft): 6525		Drilling Days (act.): 7		Well Bore: Original Well Bore		AFE No. AFE (\$) Actual (\$)	
Vertical Depth (ft): 6520		Drilling Days (plan):		RKB Elevation (ft): 0.00		041517 6,063,125 660,288	
Proposed TD (ft):		Days On Location: 7		Last BOP Test:			
Hole Made (ft) / Hrs: 995 / 23.5		Last Casing: 13.38 at 745				Totals: 6,063,125 660,288	
Average ROP (ft/hr): 42.34		Next Casing:		Working Interest:		Well Cost (\$): 660,288	
Pers/Hrs:	Operator: 2 / 24	Contractor: 11 / 132	Service: 6 / 72	Other: 0 / 0	Total: 19 / 228		

SafetySummary:

No incidents or events reported. 6 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations:

DRILLING 12 1/4" HOLE @ 6,525'

Planned Operations:

DRILL TO CASING POINT, SLIDE DRLG AS NEEDED MWD SURVEYS SERVICE RIG.

Toolpusher:

JUAN CANTU

Wellsite Supervisors:

BRUCE DELAUGHTER, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	16:00	10.00	5,937	DRILR	ROTATE DRILL FROM 5,530' TO 5,937', GPM 450, PSI 1,450, DIFF 500, WOB 30, RPM 40, TQ 12	
16:00	16:30	0.50	5,937	SERV	SERVICE RIG	
16:30	6:00	13.50	6,525	DRILR	ROTATE DRILL FROM 5,937' TO 6,075', GPM 450, STAGE GPM UP 550 @ 6,153', AND GPM @ 600, @ 6,525', PSI 2,040, DIFF 600, WOB 35, RPM 40, TQ 17/19, WITH NO LOSSES @ THIS TIME.	

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	17.50	54.50	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
041517	D & C 7500' lateral horizontal we	6,063,125	5,520	32,817	59,819	660,288	10.89 %
Totals \$:		6,063,125	5,520	32,817	59,819	660,288	10.89 %

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
21-Jun-17 22:00 at Depth 6,146 ft Mud Pits, Type: Fresh Water Based																				
8.80	36.00	4.00	1.00	50	1	9	2.7		97.3	0.1	1.5	27000	800		6	13			93.00	

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AGRI PLUG (40) - 40#SK	51	411	Cedar Fiber Fine - 40#SK	50	406
Drilling paper - 40#SK	59	752	ENGINEER - DAY	1	800
ENGINEERING diem - EA	1	50	Gel - 100#SK	174	1,670
Lignite - 50#SK	8	63	NUT PLUG - 50#SK	18	320
SAPP Sticks - 50#SK	5	18	Soap Sticks - EA	5	16

Bit/BHA/Workstring Information

										Depth		This Run		R.O.P.											
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	763	5,762	95	60.7						9	600	2000	112	98	34	305					
Jets: 16 16 16 16 16 22 22					Out:		Grade:		Cutter: /		Dull: /		Wear:		Brgs:		Gge:		Pull:						
BHA - No. 1 - BIT, MMTR, MSUB, NMDC, STAB, NMDC, STAB, SHOCK, XO, 3 DC, XO, 11 DC, JAR, 2 DC, 7 HWDP, XO = 840.04																									

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)
5,988	6,525			35.00	35.00	40	40	12.00	15.00	450.00	600.00	1,404.00

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	217,000.00	Pick Up:	227,000.00	Slack Off:	203,000.00	Drag Avg/Max:	10 / 18
Slow Circulation Data:								
Pump 1:		30 spm	160 psi	40 spm	180 psi	50 spm	210 psi	
Pump 3:		30 spm	160 psi	40 spm	180 psi	50 spm	210 psi	
Hours on BHA:		Since Inspection: 95		Total: 95		Jars: 95		
Hours on Casing/Liner:		Rotating: 95 /		Tripping: /		<input type="checkbox"/> Wear Bushing Installed		

Survey Information

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Closure	Vertical Section	Coordinates		
							N-S	E-W	D.L.S.
MWD	5,882.0	0.35	54.0	5,876.9	145.8	74.5	N 74.5	E 125.3	0.12
MWD	6,071.0	0.35	58.3	6,065.9	146.9	75.2	N 75.2	E 126.2	0.01

Rig Information


Equipment Problems:

Location Condition:

Transport:

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

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Report No: 7		Report For 06:00 AM 22-Jun-17
Bulk Inventory		
Item Type	Units	BeginningUsedReceivedOn HandNet
Fuel	GALS	6,7492,0576,41511,1074,358
Office trailer generator	GALS	33080250
Mud	GALS	07,5527,552
Safety Information		
Meetings/Drills	Time	Description
Safety	30	MIXING CHEMICALS, HOUSE KEEPING
First Aid Treatments:	Medical Treatments:	Lost Time Incidents:Days Since LTI:6
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check	
Rental Tools Information		
Type	Description	Serial No.VendorAcct CodeToday's Cost \$StartEnd
Trailer	HOUSING	TREND9240-0190015-Jun-17
Notes: 4 TRAILERS		
Frac Tanks	FRAC TANKS	THORPE9245-0117515-Jun-17
Notes: 7 FRAC TANKS		
PVT	RIG SENSE	TOTCO9240-0136315-Jun-17
Light Tower	LIGHT TOWERS	CACTUS9240-0117515-Jun-17
Notes: 7 LIGHT PLANTS		
drive over	DRIVE OVER	MCGUIRE9240-019015-Jun-17
OBM Control	CENTRIFUGES	DES9210-011,65015-Jun-17
Frac Tanks	OBM STORAGE	PURITY9210-0148915-Jun-17
Notes: 5 TANKS AND MANIFOLD		
SPOOLS	BOP SPACER SPOOL	MONAHANS9240-0121015-Jun-17
Trans. Pump	TRANS PUMP	TIGER9240-0130015-Jun-17
Notes: 3 TIGER 4X4 PUMPS		
H2S	AMPRO H2S	AMPRO9240-0110015-Jun-17
Rotating Hd.	ROT HEAD	AIR DRIL9240-0112015-Jun-17
Mud Bucket	mud bucket	STABIL9241-0111015-Jun-17
Rig Vac	MUD VACUME	KSW9241-0120015-Jun-17
Notes: MUD VAC/SHAKER WASHER		
Total Daily Rental Cost \$:		4,882