



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: 8

Report For 06:00 AM 12-Jul-17

Operator:		SEM OPERATING		Rig:		H&P 467		Spud Date:		Daily Cost / Mud (\$):			52,348 / 3,423								
Measured Depth (ft):		4371		Drilling Days (act.):		8		Well Bore:		Original Well Bore		AFE No.		AFE (\$)		Actual (\$)					
Vertical Depth (ft):		4366		Drilling Days (plan):				RKB Elevation (ft):		0.00		041717		6,063,125		302,684					
Proposed TD (ft):				Days On Location:		8		Last BOP Test:													
Hole Made (ft) / Hrs:		629 / 14.0		Last Casing:		13.38 at 745						Totals:		6,063,125		302,684					
Average ROP (ft/hr):		44.93		Next Casing:				Working Interest:				Well Cost (\$):				302,684					
Pers/Hrs:		Operator:		2 / 24		Contractor:		11 / 132		Service:		7 / 84		Other:		0 / 0		Total:		20 / 240	

SafetySummary: No incidents or events reported. 5 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: DRILLING 12 1/4" HOLE @ 4371'

Planned Operations: DRILLING 12 1/4" HOLE

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	10:00	4.00	3,904	DRILR	DRLG 12.25" HOLE FROM 3742 TO 3904' GPM 775, PSI=2400, DIFF=350, WOB=27, RPM=60	
10:00	12:00	2.00	3,962	DRILS	SLIDE FROM 3904' TO 3962' MTF=100 , DIFF=380 WOB=25	
12:00	14:30	2.50	4,087	DRILR	DRLG 12.25" HOLE FROM 3962' TO 4087' GPM 775, PSI=2400, DIFF=350, WOB=27, RPM=60	
14:30	16:30	2.00	4,137	DRILS	SLIDE FROM 4087' TO 4137' MTF=100 , DIFF=380 WOB=25	
16:30	19:00	2.50	4,297	DRILR	DRLG 12.25" HOLE FROM 4137' TO 4297' GPM 775, PSI=2400, DIFF=350, WOB=27, RPM=60, DISPLACING HOLE WITH WATER BASE GEL MUD TAKING A TEN BBL GAIN	
19:00	21:00	2.00	4,297	FLOW	FLOW CHECK WELL, WELL FLOWING LINE WELL THROUGH CHOKE TO TRIP TANK WELL FLOW 1 BBL 30 SEC CIRC BOTTOMS UP THROUGH GAS BUSTER H2S ALARMS WENT OFF WITH 15 PPM, SHUT IN WELL WENT TO MUSTARD AREA.	
21:00	23:00	2.00	4,297	KILL	WAIT TO AMPRO TO ARRIVE ON LOCATION, AMPRO CHECK RIG FLOOR, MUD PITS AND LOW AREA NO H2S	X
23:00	2:00	3.00	4,297	KILL	BRING UP MUD WT IN PITS TO 9.3 PPG WHILE WAITING ON H2S WORK TRAILER	X
2:00	3:00	1.00	4,297	KILL	RIG UP AMPRO H2S WORK LINES TO MUD PITS AND RIG FLOOR HELD SAFETY MEETING	X
3:00	4:30	1.50	4,297	KILL	OPEN CHOKE GETTING 5 PPM OF H2S BACK, CIRC THROUGH GAS BUSTER RAISING MUD WT TO 9.3 PPG	X
4:30	5:00	0.50	4,297	KILL	CHECK FLOW, NO FLOW, OPEN UP WELL	X
5:00	6:00	1.00	4,371	DRILR	DRLG 12.25" HOLE FROM 4297' TO 4371' GPM 550, PSI=1500, DIFF=450, WOB=27, RPM=60 LAST SURVEY @ 4221' INC=1.27 AZM=79.90	

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	3,423.12	17,907.87	52,348.12	302,683.87	4.99 %
Totals \$:		6,063,125.00	3,423.00	17,908.00	52,348.00	302,684.00	4.99 %

Mud Information

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
11-Jul-17 22:00 at Depth 4,271 ft Mud Pits, Type: Saturated Salt Mud																				
8.70	11.00	7.00	4.00		1	8.9	2.1		97.9		1.3	18000			7	17		18.00		

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
BLUE MAX - 5GAL	4	171.32	ENGINEER - EA	1	800.00
ENGINEERING diem - EA	1	50.00	Gel - 100#SK	143	1,372.80
Trucking (CWT) - EA	343	1,029.00			



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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	HHP	JIF
1	1	NOV	SK716M	12.25	750	3,621	53.5	67.7	150.0	25.00	60	12,	9	550	1500	68	38	12	178
Jets: 22 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 (psi)
From	To	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	
3,742	4,371	45.0	150.0	25.00	28.00	60	60	12.00	14.00	550.00	775.00	1,500.00
Annular Velocity:		Drill Collars:		156.6	Drill Pipe:		89.8					

Miscellaneous Drilling Parameters

Hook Loads (lbs):		Off Bottom Rotate:		183.00	Pick Up:		185.00	Slack Off:		179.00	Drag Avg/Max:		2 / 5
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	8,109	1,747		6,362	
Office trailer generator	GALS	425	30		395	
Mud	GALS	8,433	0		8,433	

Safety Information

Meetings/Drills	Time	Description
Safety	30	DRILLING OPS, CREW CHANGE, H2S
First Aid Treatments:		Medical Treatments:
Lost Time Incidents:		Days Since LTI: 5
<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