

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: 21

Report For 06:00 AM 25-Jul-17

Operator:		SEM OPERATING		Rig:		H&P 467		Spud Date:		Daily Cost / Mud (\$):		96,748 / 14,096	
Measured Depth (ft):		8474		Drilling Days (act.):		21		Well Bore:		Original Well Bore		AFE No. AFE (\$) Actual (\$)	
Vertical Depth (ft):		8135		Drilling Days (plan):				RKB Elevation (ft):		0.00		041717 6,063,125 1,613,021	
Proposed TD (ft):				Days On Location:		21		Last BOP Test:		20-Jul-17			
Hole Made (ft) / Hrs:		84 / 6.5		Last Casing:		9.63 at 7,522				Totals:		6,063,125 1,613,021	
Average ROP (ft/hr):		12.92		Next Casing:				Working Interest:		Well Cost (\$):		1,613,021	
Pers/Hrs:		Operator: 2 / 24		Contractor:		11 / 132		Service:		7 / 84		Other: 0 / 0 Total: 20 / 240	

SafetySummary:

No incidents or events reported. 18 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations:

WASH & REAMING @ 8474

Planned Operations:

ROTATE DRILL SLIDE DRILL WHEN NEEDED MWD SURVEYS AND SERVICE RIG.

Toolpusher:

LUKE BOYD, CURTIS WELCH

Wellsite Supervisors:

BRUCE DELAUGHTER, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	7:30	1.50	8,410	DRILS	SLIDE DRILL FROM 8,390' TO 8,410', TF 80L, GPM 450, PSI 2,250, DIFF 150, WOB 35	
7:30	9:30	2.00	8,440	DRILR	ROTATE DRILL FROM 8,410' TO 8,440', GPM 450, PSI 2,250, DIFF 120, WOB 30, RPM 30, TQ 7	
9:30	11:00	1.50	8,459	DRILS	SLIDE DRILL FROM 8,440' TO 8,459', TF 30L, GPM 450, PSI 2,282, DIFF 144, WOB 45	
11:00	12:30	1.50	8,474	DRILR	ROTATE DRILLING FROM 8,459' TO 8,474', GPM 450, PSI 2,282, DIFF 144, RPM 30, TQ 7	
12:30	14:00	1.50	8,474	CIRC	PUMP SWEEP AND CIRCULATE UNTIL HOLE CLEAN, PUMP SLUG	
14:00	16:30	2.50	8,474	TRPO	POOH TO PICK UP LATERAL ASSEMBLY	
16:30	17:00	0.50	8,474	OTHER	PULL ROTATING HEAD INSTALL TRIP NIPPLE	
17:00	17:30	0.50	8,474	TRPO	CONTINUE TOOH.	
17:30	18:30	1.00	8,474	BHAOP	LAY DOWN MOTOR AND BIT AND UBHO SUB,	
18:30	19:00	0.50	8,474	CRF	CLEAN OFF RIG FLOOR.	
19:00	21:00	2.00	8,474	CUTDL	SLIP AND CUT 144' DRILLING LINE (WAIT ON UBHO SUB)	
21:00	22:30	1.50	8,474	BHAOP	P/U BAKER XLMS 6.75, 7/8 6.0 SET @ 1.8 UBHO AND NMDC SCRIBE SURFACE TEST OK MAKE UP BIT.	
22:30	23:00	0.50	8,474	TRPI	TIH TO 2997'	
23:00	23:30	0.50	8,474	INSTAL	INSTALL ROTATING HEAD.	
23:30	2:30	3.00	8,474	TRPI	TIH TO 7731',	
2:30	4:30	2.00	8,474	WASH	WASH DOWN FROM 7731 TO 7951' RELOGG GAMMA	
4:30	6:00	1.50	8,474	WASH	WASH DOWN FROM 7951 TO 8474	

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				
FULL	9.63	0	0	7,522	7,460	INT1	12.25	40.00	J-55	

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	14,096.24	165,028.76	96,748.24	1,613,021.06	26.60 %
Totals \$:		6,063,125.00	14,096.00	165,029.00	96,748.00	1,613,021.00	26.60 %

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
24-Jul-17 22:00 at Depth 8,474 ft Mud Pits, Type: Oil Base Mud																				
10.20	77.00	3.00	9.00	5	2		14.2	59.4	26.4		6.8	51000		232496	10	14	15			610.00

Mud Consumables


Item Description		Qty.	Cost	Item Description		Qty.	Cost
AES WA II - EA		275	2,717.00	Barite (Bulk) - EA		335	3,674.95
CaCL2 - 50#SK		37	541.31	Claytone II - 50#SK		4	396.28
ENGINEER - EA		1	800.00	ENGINEERing diem - EA		1	50.00
FIR PLUS - 50#SK		5	538.10	Lime - 50#SK		15	107.10
Restocking Fee - EA		258	129.00	Shrink Wrap - EA		7	87.50
Trucking - EA		2	1,500.00	Trucking (CWT) - EA		1185	3,555.00

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		
4	1	HTC	VG-20M	8.75	7699	775	43.5	17.8	25.0	40.00	100	6,	10	465	2300	200	365	99	491	
Jets: 18 18 18					Out: 8474		Grade: Cutter:		2 / 2		Dull: WT / FC		Wear: A		Brgs: 2		Gge: 1		Pull: BHA	
BHA - No. 7 - BIT, MMTR, UBHO, 2 NMDC, XO = 99.05																				

Survey Information

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Closure	Vertical Section	Coordinates N-S	E-W	D.L.S.
MWD	8,332.0	76.66	193.3	8,129.9	464.7	434.6	S 431.1	W 173.5	11.44

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Report No: 21		Report For 06:00 AM 25-Jul-17					
Solids Control Information							
Screen Sizes:	Top	Middle 1	Middle 2	Bottom			
Shaker No 1:	200	200	200	200			
Shaker No 2:	200	200	200	200			
Shaker No 3:	200	200	200	200			
Shaker No 4:	200	200	200	200			
Bulk Inventory							
Item Type		Units	Beginning	Used	Received	On Hand	Net
Fuel		GALS	10,386	1,313		9,073	
Office trailer generator		GALS	380	30		350	
Mud		GALS	8,507	1,496		7,011	
Safety Information							
Meetings/Drills		Time	Description				
Safety		30	HOUSE KEEPING AND SLIP CUT DRILLING LINE				
First Aid Treatments:		Medical Treatments:		Lost Time Incidents:		Days Since LTI: 18	
<input type="checkbox"/> BOP Test		<input checked="" type="checkbox"/> Crownamatic Check					
Weather Information							
Sky Condition:		CLOUDY		Visibility:		9	
Air Temperature:		74.00 degF		Bar. Pressure:		29	
Wind Speed/Dir:		12 / S		Wind Gusts:			
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	9240-01	175.00	08-Jul-17	
PVT	RIG SENSE		TOTCO	9240-01	388.00	08-Jul-17	
Light Tower	LIGHT TOWER		CACTUS	9240-01	200.00	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	
H2S	AMPRO H2S		AMPRO	9240-01	150.00	08-Jul-17	
Rig Vac	MUD VAC		KSW	9240-01	135.00	08-Jul-17	
Trans. Pump	TRANSFER PUMP		KSW	9240-01	185.00	11-Jul-17	
SPOOLS	BOP SPACER		MONAHANS	9240-01	210.00	08-Jul-17	
Rotating Hd.	ROT HEAD		AIR DRIL	9240-01	120.00	08-Jul-17	
Mud Bucket	MUD BUCKET		STABIL	9240-01	110.00	08-Jul-17	
OBM Control	KATCH KAN		KATCH	9240-01	175.00	16-Jul-17	
Total Daily Rental Cost \$:					6,472.00		