

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: 17

Report For 06:00 AM 21-Jul-17

Operator: SEM OPERATING		Rig: H&P 467		Spud Date:		Daily Cost / Mud (\$): 48,273 / 9,232	
Measured Depth (ft): 7619		Drilling Days (act.): 17		Well Bore: Original Well Bore		AFE No. AFE (\$) Actual (\$)	
Vertical Depth (ft): 7515		Drilling Days (plan):		RKB Elevation (ft): 0.00		041717 6,063,125 1,194,496	
Proposed TD (ft):		Days On Location: 17		Last BOP Test: 20-Jul-17			
Hole Made (ft) / Hrs: 97 / 8.0		Last Casing: 9.63 at 7,522				Totals: 6,063,125 1,194,496	
Average ROP (ft/hr): 12.13		Next Casing:		Working Interest:		Well Cost (\$): 1,194,496	
Pers/Hrs:	Operator: 2 / 24	Contractor: 11 / 132	Service: 7 / 84	Other: 0 / 0	Total: 20 / 240		
SafetySummary: No incidents or events reported. 14 days since LTI. Conducted Crown Check, Safety Meeting.							
Current Operations: TOO H							
Planned Operations: TOO H CHECK MOTOR AND BIT							
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	7,522	BOPT	TEST ANNULAR TO 3,500 PSI HIGH, LOW 250, GOOD, TEST CASING TO 1,500 PSI FOR 30 MINUTES, GOOD	
7:30	8:00	0.50	7,522	RD	RD BOP TESTERS	
8:00	10:30	2.50	7,522	DIR	P/U MOTOR, BIT , UBHO, SCRIBE MOTOR, INSTALL MWD AND TEST, TEST GOOD, MAKE UP BIT	
10:30	13:30	3.00	7,522	TRPI	TIH WITH DRILL PIPE FROM 93' TO 6,783'	
13:30	15:00	1.50	7,522	DPPU	PICK UP 24 JOINTS DRILL PIPE TO REPLACE DRILL COLLARS THAT WAS LAYED DOWN	
15:00	17:30	2.50	7,522	DCS	DRILL OUT SHOE TRACK FROM 7,473' TO 7,522' AND DISPLACE WITH 10# OIL BASE MUD.	
17:30	19:30	2.00	7,587	DRILR	ROTATE DRILL FROM 7,522' TO 7,587', WOB 15, RPM 25 GPM 475, PP 1800, DIFF 150, TORQ 5K	
19:30	1:30	6.00	7,619	DRILS	SLIDE DRILL FROM 7587' TO 7619' TF 180M, WOB 10/30, GPM 400/500, DIFF 50/350, (NOTE KEPT STACKING WEIGHT ON BIT LOSING DIFF IT WAS TAKING 10/15K TO BREAK LOSE WHEN PICK OFF BOTTOM)	
1:30	3:00	1.50	7,619	CIRC	CIRCULATE WORK PIPE WHILE BUILDING SLUG, AND PUMP SAME.	
3:00	6:00	3.00	7,619	TRPO	TOOH SLM.	

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	9,232.29	97,515.57	48,272.54	1,194,495.98	19.70 %
Totals \$:		6,063,125.00	9,232.00	97,516.00	48,273.00	1,194,496.00	19.70 %

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
20-Jul-17 22:00 at Depth 7,600 ft Mud Pits, Type: Oil Base Mud																				
10.00	35.00	6.00	4.00	10	2		14.5	58.5	27		8.9	44000	03530		14	19	21		13.00	

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
AES WA II - EA	138	1,363.44	CaCL2 - 50#SK	4	58.52
Claytone II - 50#SK	1	99.07	ENGINEER - EA	1	800.00
ENGINEERing diem - EA	1	50.00	FIR PLUS - 50#SK	4	430.48
Lime - 50#SK	13	92.82	OIL SORB - 50#SK	6	84.00
Petrogel 400 - 50#SK	1	84.33	Restocking Fee - EA	441	220.50
Shrink Wrap - EA	23	287.50	Trucking - EA	1	750.00
Trucking (CWT) - EA	865	2,595.00			

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	HP	HP	JIF
3	1	ULTERI	613M	8.75	7522	97	8	12.1	15.0	25.00	45	5.00	10	400	1800		86	66	15	178
Jets: 18 18 18 18 18					Out:		Grade: Cutter: /		Dull: /		Wear:		Brgs:		Gge:		Pull:			
BHA - No. 4 - BIT, MMTR, UBHO, NMDC, NMFLEX, XO = 93.23																				

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)	
7,522	7,619	12.0	15.0	15.00	30.00	25	25	5.00	7.00	400.00	500.00	1,800.00	
Annular Velocity:		Drill Collars:		316.3		Drill Pipe:		190.1					

Miscellaneous Drilling Parameters

Hook Loads (lbs):	Off Bottom Rotate:	183.00	Pick Up:	200.00	Slack Off:	173.00	Drag Avg/Max:	10 / 20
-------------------	--------------------	--------	----------	--------	------------	--------	---------------	---------

	<div><div>Daily Drilling Report</div><div>Well ID: 42-383-39869</div><div>Field: Impossible</div></div>	<div><div>SEM Operating Company, LLC</div><div>Well Name: University 9 2902WB</div><div>Sect: 29 County: Reagan State: TX</div></div>					
Report No: 17		Report For 06:00 AM 21-Jul-17					
Solids Control Information							
Screen Sizes:	Top	Middle 1	Middle 2	Bottom	Equipment Usage (Hrs):		
Shaker No 1:	200	200	200	200			
Shaker No 2:	200	200	200	200	Centrifuge 1: 18 (Solids Removal)		
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	12,130	1,201		10,929	
Office trailer generator		GALS	500	30		470	
Mud		GALS	10,052	724		9,328	
Safety Information							
Meetings/Drills		Time	Description				
Safety		30	PICKING UP BHA FORK LIFT				
First Aid Treatments:		Medical Treatments:		Lost Time Incidents:		Days Since LTI: 14	
<input type="checkbox"/> BOP Test		<input checked="" type="checkbox"/> Crownamatic Check					
Weather Information							
Sky Condition:		CLEAR		Visibility:		10	
Air Temperature:		75.00 degF		Bar. Pressure:		29	
Wind Speed/Dir:		10 / SE		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	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	
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 \$:					6,397.00		