
		Daily Drilling Report										SEM Operating Company, LLC																	
		Well ID: 42-383-39869										Well Name: University 9 2902WB																	
		Field: Impossible										Sect: 29 County: Reagan State: TX																	
Report No: 22															Report For 06:00 AM 26-Jul-17														
Operator: SEM OPERATING					Rig: H&P 467					Spud Date:					Daily Cost / Mud (\$): 60,018 / 12,562														
Measured Depth (ft): 9899					Drilling Days (act.): 22					Well Bore: Original Well Bore					AFE No.		AFE (\$)		Actual (\$)										
Vertical Depth (ft): 8203					Drilling Days (plan):					RKB Elevation (ft): 0.00					041717		6,063,125		1,673,039										
Proposed TD (ft):					Days On Location: 22					Last BOP Test: 20-Jul-17																			
Hole Made (ft) / Hrs: 1,425 / 24.0					Last Casing: 9.63 at 7,522										Totals:		6,063,125		1,673,039										
Average ROP (ft/hr): 59.38					Next Casing:					Working Interest:					Well Cost (\$): 1,673,039														
Pers/Hrs:		Operator: 2 / 24			Contractor: 11 / 132			Service: 9 / 108			Other: 0 / 0			Total: 22 / 264															
SafetySummary: No incidents or events reported. 19 days since LTI. Conducted Crown Check, Safety Meeting.																													
Current Operations: DRILL 8 3/4" LATERAL @ 9,998'																													
Planned Operations: ROTATE DRILL SLIDE DRILL WHEN NEEDED MWD SURVEY 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		6:30		0.50		8,485		DRILR		ROTATE DRILL FROM 8,474' TO 8,485', GPM 500, PSI 3,030, DIFF 575, WOB 25, RPM 30, TQ 10																			
6:30		8:00		1.50		8,519		DRILS		SLIDE DRILL FROM 8,485' TO 8,519', TF 40L, GPM 500, PSI 2,600, DIFF 260, WOB 12																			
8:00		9:00		1.00		8,578		DRILR		ROTATE DRILL FROM 8,519' TO 8,578', GPM 500, PSI 3,040, DIFF 640, WOB 25, RPM 55, TQ 11																			
9:00		10:30		1.50		8,611		DRILS		SLIDE DRILL FROM 8,578' TO 8,611', TF 120L, GPM 500, PSI 2,610, DIFF 400, WOB 26																			
10:30		11:30		1.00		8,672		DRILR		ROTATE DRILL FROM 8,611' TO 8,672', GPM 500, PSI 2,650, DIFF 400, WOB 20, RPM 55, TQ 9																			
11:30		12:30		1.00		8,705		DRILS		SLIDE DRILL FROM 8,672' TO 8,705', TF 130L, GPM 500, PSI 2,610, DIFF 400, WOB 26																			
12:30		14:30		2.00		8,861		DRILR		ROTATE DRILL FROM 8,705' TO 8,861', GPM 500, PSI 2,650, DIFF 500, WOB 25, RPM 55, TQ 10																			
14:30		15:30		1.00		8,896		DRILS		SLIDE DRILL FROM 8,861 TO 8,896', TF 120L, GPM 500, PSI 3000,, DIFF 300, WOB 20																			
15:30		17:00		1.50		9,050		DRILR		ROTATE DRILL FROM 8,896' TO 9,050', GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
17:00		18:00		1.00		9,082		DRILS		SLIDE DRILL FROM 9,050 TO 9,082', TF 20R, GPM 550, PSI 3200,, DIFF 300, WOB 20																			
18:00		18:30		0.50		9,145		DRILR		ROTATE DRILL FROM 9,082' TO 9,145', GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
18:30		19:30		1.00		9,205		DRILS		SLIDE DRILL FROM 9,145 TO 9,205', TF 10R, GPM 550, PSI 3300,, DIFF 400, WOB 20																			
19:30		20:00		0.50		9,239		DRILR		ROTATE DRILL FROM 9,205' TO 9,239', GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
20:00		20:30		0.50		9,264		DRILS		SLIDE DRILL FROM 9,239 TO 9,264', TF 0 , GPM 550, PSI 3300,, DIFF 400, WOB 20																			
20:30		22:00		1.50		9,398		DRILR		ROTATE DRILL FROM 9,264' TO 9,398', GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
22:00		22:30		0.50		9,427		DRILS		SLIDE DRILL FROM 9,398 TO 9,427', TF 0 , GPM 550, PSI 3300,, DIFF 400, WOB 25																			
22:30		23:00		0.50		9,459		DRILR		ROTATE DRILL FROM 9,427' TO 9,459', GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
23:00		23:30		0.50		9,459		DRILS		SLIDE DRILL FROM 9,459 TO 9,474', TF 0 , GPM 550, PSI 3300,, DIFF 400, WOB 25																			
23:30		1:00		1.50		9,616		DRILR		ROTATE DRILL FROM 9,474' TO 9,616', GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
1:00		1:30		0.50		9,648		DRILS		SLIDE DRILL FROM 9,616 TO 9,648', TF 130R , GPM 550, PSI 3300,, DIFF 400, WOB 25																			
1:30		2:00		0.50		9,725		DRILR		ROTATE DRILL FROM 9,648' TO 9,725', GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
2:00		2:30		0.50		9,757		DRILS		SLIDE DRILL FROM 9,725 TO 9,757', TF 90R , GPM 550, PSI 3300,, DIFF 400, WOB 25																			
2:30		4:30		2.00		9,899		DRILR		ROTATE DRILL FROM 9,757' TO 9,899' GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
4:30		5:00		0.50		9,938		DRILS		SLIDE DRILL FROM 9,899' TO 9,938', TF 90R , GPM 550, PSI 3300,, DIFF 400, WOB 25																			
5:00		6:00		1.00		9,998		DRILR		ROTATE DRILL FROM 9,938' TO 9,998' GPM 550, PSI 3,500, DIFF 500, WOB 25, RPM 60, TQ 10																			
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		12,562.22		177,590.98		60,018.12		1,673,039.18		27.59 %											
		Totals \$:						6,063,125.00		12,562.00		177,591.00		60,018.00		1,673,039.00		27.59 %											
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									
25-Jul-17 22:00 at Depth 9,440 ft Mud Pits, Type: Oil Base Mud																													
10.30	59.00	0.00	4.00	3	2		12.7	59.9	27.4		3.8	50000		222484	10	15	17		27.00	131.00									

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Report No: 22															Report For 06:00 AM 26-Jul-17																								
Mud Consumables																																							
Item Description										Qty.			Cost			Item Description										Qty.			Cost										
Barite - 100#SK										13			162.76			Barite (Bulk) - EA										750			8,227.50										
CaCL2 - 50#SK										57			833.91			Claytone II - 50#SK										12			1,188.84										
ENGINEER - EA										1			800.00			ENGINEERing diem - EA										1			50.00										
FIR PLUS - 50#SK										5			538.10			Lime - 50#SK										20			142.80										
OIL SORB - 50#SK										2			28.00			Petrogel 400 - 50#SK										7			590.31										
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			
5		1		ULTERI		616M		8.75		8474		1,425		24		59.4		150.0		25.00		60		10.00		10		550		3500		118		129		41 347			
Jets: 18 18 18 18 18 18										Out:		Grade:		Cutter:		/		Dull:		/		Wear:		Brgs:		Gge:				Pull:									
BHA - No. 7 - BIT, MMTR, UBHO, 2 NMDC, XO = 99.05																																							
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		Avg		Max				psi									
8,474		9,998		59.0		150.0		25.00		30.00		50		70		7.00		10.00		500.00		550.00		3,500.00															
Annular Velocity:										Drill Collars:										434.9																			
Drill Pipe:										261.4																													
Miscellaneous Drilling Parameters																																							
Hook Loads (lbs):										Off Bottom Rotate:										188.00																			
Pick Up:										220.00										Slack Off:										166.00									
Drag Avg/Max:										40 / 55																													
Slow Circulation Data:																																							
Pump 1:				30 spm				400 psi				40 spm				470 psi				50 spm				545 psi															
Pump 2:				30 spm				400 psi				40 spm				460 psi				50 spm				540 psi															
Pump 3:				30 spm				400 psi				40 spm				460 psi				50 spm				540 psi															
Survey Information																																							
Survey Type		Meas. Depth		Inc.		Azimuth		TVD		Closure		Vertical Section		N-S		E-W		D.L.S.																					
MWD		8,364.0		79.52		189.8		8,136.5		495.5		465.4		S 461.8		W 179.7		13.94																					
MWD		8,395.0		80.88		186.6		8,141.8		525.3		495.7		S 492.0		W 184.1		11.02																					
MWD		8,427.0		81.41		186.2		8,146.7		556.1		527.2		S 523.5		W 187.6		2.10																					
MWD		8,458.0		83.43		184.1		8,150.8		585.8		557.8		S 554.1		W 190.3		9.43																					
MWD		8,490.0		84.70		181.8		8,154.1		616.5		589.6		S 585.8		W 191.9		8.15																					
MWD		8,521.0		85.93		184.2		8,156.6		646.4		620.5		S 616.7		W 193.5		8.85																					
MWD		8,584.0		86.55		181.8		8,160.7		707.4		683.3		S 679.5		W 196.8		4.02																					
MWD		8,615.0		86.29		179.6		8,162.7		737.3		714.3		S 710.4		W 197.2		7.10																					
MWD		8,710.0		85.36		174.7		8,169.6		827.7		808.7		S 805.0		W 192.5		5.17																					
MWD		8,804.0		85.27		178.8		8,177.3		917.8		902.1		S 898.5		W 187.2		4.30																					
MWD		8,993.0		82.37		170.5		8,197.7		1,098.6		1,088.6		S 1085.4		W 169.7		4.61																					
MWD		9,072.0		84.40		171.5		8,206.8		1,173.5		1,165.9		S 1162.9		W 157.4		2.84																					
MWD		9,087.0		84.75		172.9		8,208.2		1,187.9		1,180.6		S 1177.7		W 155.4		9.64																					
MWD		9,181.0		87.74		176.3		8,214.3		1,279.5		1,273.8		S 1271.1		W 146.6		4.83																					
MWD		9,275.0		90.64		173.2		8,215.7		1,371.6		1,367.2		S 1364.7		W 138.0		4.49																					
MWD		9,369.0		88.62		173.0		8,216.3		1,463.5		1,460.2		S 1458.0		W 126.7		2.17																					
MWD		9,464.0		92.48		171.0		8,215.4		1,556.2		1,554.0		S 1552.0		W 113.4		4.59																					
MWD		9,558.0		93.76		172.1		8,210.2		1,647.9		1,646.5		S 1644.8		W 99.6		1.83																					
MWD		9,652.0		91.78		170.3		8,205.7		1,739.7		1,739.0		S 1737.6		W 85.2		2.88																					
MWD		9,746.0		90.55		173.9		8,203.8		1,832.1		1,831.8		S 1830.7		W 72.3		4.14																					
MWD		9,840.0		90.51		173.9		8,202.9		1,925.2		1,925.0		S 1924.1		W 62.3		0.10																					
Mud Log Information																																							
Depth (ft)				TVD (ft)				Gas (Units)				Gas				Drilling		Pore		Mud		Shale		ROP															
From		To		From		To		Avg		Max		at Depth		Connect.		Trip		Exp.		Press		Dens.		Dens.		Shale		Sand											
8,474		9,907		8,138		8,203		127.00		468.00		9352		0.00								10.30																	
Formation Name: WOLF CAMP B																																							
Lithology: 10% LS, 90% SHALE@ 9,852'																																							
Solids Control Information																																							
Screen Sizes:				Top		Middle 1		Middle 2		Bottom		Equipment Usage (Hrs):																											
Shaker No 1:				200		200		200		200		Centrifuge 1: 24 (Solids Removal)																											
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		9,073		2,444		2,060		8,689		-384																			
Office trailer generator										GALS		350		30				320																					
Mud										GALS		7,011		2,649		4,072		8,434		1,423																			
Safety Information																																							
Meetings/Drills				Time				Description																															
Safety				30				LAST DAY STAYING FOCUSED																															
First Aid Treatments:										Medical Treatments:										Lost Time Incidents:										Days Since LTI:				19					
<input type="checkbox"/> BOP Test				<input checked="" type="checkbox"/> Crownamatic Check																																			



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: 22

Report For 06:00 AM 26-Jul-17

Weather Information

Sky Condition: CLOUDY

Visibility:	9
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Air Temperature: 77.00 degF

Bar. Pressure: 29

Wind Speed/Dir: 13 / SSE

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
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