



PERMIAN RESOURCES, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA
PRES WELL NO. 156

Report End Date: 4/23/2017
Report Number: 12
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 8
End MD (ftKB): 10,855
Depth Progress (ft): 2,179
Planned VS (ft): 11,107
Current VS (ft): 3,989
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH			Proposed TD (ftKB) 17,827				
Status at Report Time DRILLING 8 3/4 LATERAL AT 10,855 ft										
Operations Summary ROTATE/SLIDE DRILL BUILD FROM 8,676 ft. TO 10,855 ft , 2,179 ft AT 92.7 fph , SERVICE RIG TL CHANGE AT 11:30 AM, 04/22/2017. TL #4: 7740' KBTVD @ 0' VS W/95.2° INC. TL CHANGE AT 04:00 AM, 04/23/2017. TL #5: 7657' KBTVD @ 0' VS W/93.75° INC. LAST SURVEY: DEPTH- 10,704, INC- 93.2°, AZ- 181.9, TVD- 7372.93, VS: 3988.80, ABOVE 5.7',LEFT 3.7°, TEMP 147° MW- 9.5- VIS- 53 BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)				Planned Operations DRILL PRODUCTION LATERAL TO +/- 17,827						
Start MD (ftKB) 8,676		End MD (ftKB) 10,855		Depth Progress (ft) 2,179		Drilling Time (hr) 23.50		Avg ROP (ft/hr) 92.7		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	17:00	12.00	8,676	9,813	ROTATE/SLIDE DRILL FROM 8,676 ft TO 9,813 AT 94.8 fph ROTATE DRILL: 1,065 ft IN 9.75 hrs. AT 109.2 fph AVERAGE ROP. SLIDE DRILL: 72 ft. IN 2.25 hrs AT 32.0 fph AVERAGE ROP ROTATE 81.25 %, SLIDE 18.75 % (FULL RETURNS)	PROD	LAT	DRILL	DRILL W/ MUD	No
17:00	17:30	0.50	9,813	9,813	SERVICE RIG	PROD	LAT	DRILL	LUBRICATE RIG	No
17:30	05:00	11.50	9,813	10,855	ROTATE/SLIDE DRILL FROM 9,813 ft TO 10,855 AT 90.6 fph ROTATE DRILL: 926 ft IN 8.25 hrs. AT 112.2 fph AVERAGE ROP. SLIDE DRILL: 116 ft. IN 3.25 hrs AT 35.6 fph AVERAGE ROP ROTATE 88 %, SLIDE 12 % (FULL RETURNS)	PROD	LAT	DRILL	DRILL W/ MUD	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/24/2017
Report Number: 13
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 9
End MD (ftKB): 11,585
Depth Progress (ft): 730
Planned VS (ft): 11,107
Current VS (ft): 4,742
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH			Proposed TD (ftKB) 17,827				
Status at Report Time TRIPPING IN HOLE AT 2,300 ft										
Operations Summary ROTATE/SLIDE DRILL BUILD FROM 10,855 ft. TO 11,585 ft, 730 ft AT 94.2 fph, LOST ALL DIFFERENTIAL, CIRCULATE, BUILD SLUG. PUMP SLUG, POOH.TO 93 ft , L/D BHA # 3 , M/U BHA # 4 , T.I.H. T/ 2,300 ft TL CHANGE AT 10:00 AM, 04/23/2017, TL #6: 7482' KBTVD @ 0' VS W/91.91° INC TO START AT 5445' VS TL #7: 7201' KBTVD @ 0' VS W/89.55° VS TO START AT 6820' VS LAST SURVEY: DEPTH- 11,459, INC- 90.0°, AZ- 181.6, TVD- 7331.92, VS: 4741.78, ABOVE 15.0',LEFT 7.0', TEMP 151° MW- 9.5- VIS- 53 BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)				Planned Operations TIH. T/ 4,228 , SLIP AND CUT DRILL LINE , T.I.H. T/11,585 , DRILL PRODUCTION LATERAL TO +/- 17,827						
Start MD (ftKB) 10,855		End MD (ftKB) 11,585		Depth Progress (ft) 730		Drilling Time (hr) 7.75		Avg ROP (ft/hr) 94.2		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	12:45	7.75	10,855	11,585	ROTATE/SLIDE DRILL FROM 10,855 ft TO 11,585 AT 94.2 fph ROTATE DRILL: 651 ft IN 5.5 hrs. AT 118.4 fph AVERAGE ROP. SLIDE DRILL: 79 ft. IN 2.25 hrs AT 35.1 fph AVERAGE ROP ROTATE 89.2%, SLIDE 10.8% (FULL RETURNS)	PROD	LAT	DRILL	DRILL W/ MUD	No
12:45	13:45	1.00	11,585	11,585	CIRCULATE BUILD SLUG.	PROD	LAT	DRILL	COND MUD & CIRC	Yes
13:45	23:30	9.75	11,585	11,585	SLUG PIPE, POOH TO BHA T/ 93 ft	PROD	LAT	DRILL	TRIPS	Yes
23:30	03:00	3.50	11,585	11,585	L/D MWD , P/U BREAK BIT , L/D 2.12 MOTOR , P/U BHA # 4 ; 2.0 FIXED , 7/8 LOBE , 5.7 STAGE SERIAL 700 MLT 010 , MWD , NMDC , SCRIBE , TEST MOTOR (OK) , MAKE UP BIT PDC , PLT 613 D6 SERIAL SO9961	PROD	LAT	DRILL	P/U & L/D BHA	Yes
03:00	05:00	2.00	11,585	11,585	T.I.H. T/ 2,300 ft	PROD	LAT	DRILL	TRIPS	Yes



PERMIAN RESOURCES, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA
PRES WELL NO. 156

Report End Date: 4/25/2017
Report Number: 14
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 10
End MD (ftKB): 12,492
Depth Progress (ft): 907
Planned VS (ft): 11,107
Current VS (ft): 5,592
AFE Number: 1550466

API 42383398290000		Surface Legal Location SURVEY, A-U246, BLOCK 11		Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS	
Report Summary										
Well Spud Date 3/28/2017		Total Depth Date		Rig Release Date		Target Formation WFMPB0_228_SH		Proposed TD (ftKB) 17,827		
Status at Report Time DRILLING 8 3/4 LATERAL AT 12,492 ft										
Operations Summary T.I.H. TO 4,144 ft, SLIP AND CUT 110' OF DRILL LINE, TIH TO 11,328 ft, WASH 11,328 ft TO 11,585 ft, ROTATE/SLIDE FROM 11,585 ft TO 12,492 ft , 907 ft AT 67.2 fph 1/2 HOUR RIG SERVICE LAST SURVEY: DEPTH- 12,311, INC- 91.70°, AZ- 181.3, TVD- 7298.23, VS: 5591.71, BELOW 1.3',LEFT 14.5', TEMP 151° MW- 9.5- VIS- 53 BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)					Planned Operations DRILL PRODUCTION LATERAL TO +/- 17,827					
Start MD (ftKB) 11,585		End MD (ftKB) 12,492		Depth Progress (ft) 907		Drilling Time (hr) 13.50		Avg ROP (ft/hr) 67.2		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	06:30	1.50	11,585	11,585	TIH TO 4,144 ft.	PROD	LAT	DRILL	TRIPS	Yes
06:30	08:30	2.00	11,585	11,585	SLIP AND CUT DRILL LINE, 110 ft.	PROD	LAT	DRILL	CUT SLIP & DRILL LINE	Yes
08:30	09:00	0.50	11,585	11,585	SERVICE RIG	PROD	LAT	DRILL	LUBRICATE RIG	Yes
09:00	14:30	5.50	11,585	11,585	TIH, FILL PIPE EVERY 30 STANDS TO 11,328 ft.	PROD	LAT	DRILL	TRIPS	Yes
14:30	15:30	1.00	11,585	11,585	WASH 11,328 ft TO 11585 ft.	PROD	LAT	DRILL	REAMING	Yes
15:30	05:00	13.50	11,585	12,492	ROTATE/SLIDE DRILL FROM 11,585 TO 12,492 AT 67.2 fph ROTATE DRILL: 802 ft IN 8.25 hrs. AT 97.2 fph AVERAGE ROP. SLIDE DRILL: 105 ft. IN 5.25 hrs AT 20.0 fph AVERAGE ROP ROTATE 61.11%, SLIDE 38.89% (FULL RETURNS)	PROD	LAT	DRILL	DRILL W/ MUD	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/26/2017
Report Number: 15
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 11
End MD (ftKB): 14,262
Depth Progress (ft): 1,770
Planned VS (ft): 11,107
Current VS (ft): 7,390
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH			Proposed TD (ftKB) 17,827				
Status at Report Time PERFORMING CLEAN UP CYCLE										
Operations Summary ROTATE/SLIDE FROM 12,492 ft TO 14,262'.1,770 ft AT 78.7 fph , SERVICE RIG , PERFORMED CLEAN UP CYCLE RECEIVED TARGET CHANGE AT 1130 HRS. TL #7.1 - 7393' KBTVD AT 0' VS, W/91.20° INC. TO 6600 VS. TL #7.2 - 7282' KBTVD AT 0' VS, W/90.23° INC. LAST SURVEY: 14,112 MD, 91.4° INC, 181.3° AZM, 8.9' ABOVE, 2' RIGHT, TEMP 162° MW- 9.5- VIS- 53 BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)				Planned Operations FINISH CLEAN UP CYCLE , DRILL PRODUCTION LATERAL TO +/- 17,827						
Start MD (ftKB) 12,492		End MD (ftKB) 14,262		Depth Progress (ft) 1,770		Drilling Time (hr) 22.50				
						Avg ROP (ft/hr) 78.7				
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	17:00	12.00	12,492	13,504	ROTATE/SLIDE DRILL FROM 12,492 TO 13504 AT 84.3 fph ROTATE DRILL: 937 ft IN 8.50 hrs. AT 110.2 fph AVERAGE ROP. SLIDE DRILL: 75 ft IN 3.50 hrs AT 21.4 fph AVERAGE ROP ROTATE 70.83 %, SLIDE 29.17 % (FULL RETURNS)	PROD	LAT	DRILL	DRILL W/ MUD	No
17:00	17:30	0.50	13,504	13,504	SERVICE RIG	PROD	LAT	DRILL	LUBRICATE RIG	No
17:30	04:00	10.50	13,504	14,262	ROTATE/SLIDE DRILL FROM 13,504 TO 14,262 AT 72.1 fph ROTATE DRILL: 675 ft IN 5.75 hrs. AT 117.3 fph AVERAGE ROP. SLIDE DRILL: 83 ft IN 4.75 hrs AT 17.4 fph AVERAGE ROP ROTATE 89 %, SLIDE 11 % (FULL RETURNS)	PROD	LAT	DRILL	DRILL W/ MUD	No
04:00	05:00	1.00	14,262	14,262	PERFORMED CLEAN UP CYCLE , PUMPED 40 bbl HI VIS SWEEP AROUND , 10,500 STROKES. STARTING TQ 10 K , ENDING TQ 8.5 K.	PROD	LAT	DRILL	COND MUD & CIRC	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/27/2017
Report Number: 16
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 12
End MD (ftKB): 16,187
Depth Progress (ft): 1,925
Planned VS (ft): 11,107
Current VS (ft): 9,281
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH			Proposed TD (ftKB) 17,827				
Status at Report Time DRILLING 8 3/4 LATERAL AT 16,187 ft										
Operations Summary COMPLETED CLEANUP CYCLE, CHANGED OUT ROTATING HEAD, ROTATED/SLID FROM 14,262' TO 16,187'. (1,925 ft AT 89.5 fph) SERVICE RIG , - MW 9.5, FULL RETURNS. TL # 8 - 7195' KBTVD AT 0' VS, W/89.54° INC. - RECEIVED 4-26-17, 0800 HRS. TL # 9 - 7141' KBTVD AT 0' VS, W/89.12° INC. - RECEIVED 4-26-17, 21:14 HRS. WINDOW CHANGE AT 16:59 5 ft UP AND 15 ft DOWN LAST SURVEY: 16,005 MD, 90.2° INC, 181.3° AZM, 5' ABOVE, 5' RIGHT, TEMP 165° BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)				Planned Operations DRILL PRODUCTION LATERAL TO +/- 17,827						
Start MD (ftKB) 14,262		End MD (ftKB) 16,187		Depth Progress (ft) 1,925		Drilling Time (hr) 21.50		Avg ROP (ft/hr) 89.5		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	05:30	0.50	14,262	14,262	COMPLETED CLEAN UP CYCLE, BEGINNING TQ 10 K, ENDING TQ 8.5 K.	PROD	LAT	DRILL	COND MUD & CIRC	No
05:30	06:00	0.50	14,262	14,262	CHANGED OUT ROTATING HEAD.	PROD	LAT	DRILL	REPAIR RIG	No
06:00	16:15	10.25	14,262	15,301	ROTATE/SLIDE DRILL FROM 14,262 TO 15,301, AT 101.4 fph ROTATE DRILL: 944 ft IN 7.25 hrs. AT 130.2 fph AVERAGE ROP. SLIDE DRILL: 95 ft. IN 3.00 hrs AT 31.7 fph AVERAGE ROP ROTATE 70.73 %, SLIDE 29.27 % (MW 9.5 - FULL RETURNS) RECEIVED TARGET CHANGE AT 0800 HRS: TL# 8 - 7195' KBTVD at 0' VS, W/89.54 INC.	PROD	LAT	DRILL	DRILL W/ MUD	No
16:15	16:45	0.50	15,301	15,301	RIG SERVICE.	PROD	LAT	DRILL	LUBRICATE RIG	No
16:45	05:00	12.25	15,301	16,187	ROTATE/SLIDE DRILL FROM 15,301 ft TO 16,187 ft, AT 72.1 fph ROTATE DRILL: 797 ft IN 7.25 hrs. AT 109.9 fph AVERAGE ROP. SLIDE DRILL: 89 ft. IN 5.00 hrs AT 17.8 fph AVERAGE ROP ROTATE 89 %, SLIDE 11 % (MW 9.5 - FULL RETURNS) (WINDOW CHANGE AT 16:59 5 ft UP 15 ft DOWN) TL # 9 - 7141' KBTVD AT 0' VS, W/89.12° INC.	PROD	LAT	DRILL	DRILL W/ MUD	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/28/2017
Report Number: 17
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 13
End MD (ftKB): 17,673
Depth Progress (ft): 1,486
Planned VS (ft): 11,107
Current VS (ft): 10,795
AFE Number: 1550466

API 42383398290000		Surface Legal Location SURVEY, A-U246, BLOCK 11		Latitude 31.2138700000		Longitude -101.5045900000		Orig KB El... 2,687.00		RKB (ft) 21.00		County REAGAN		State TEXAS	
Report Summary															
Well Spud Date 3/28/2017			Total Depth Date			Rig Release Date			Target Formation WFMPB0_228_SH				Proposed TD (ftKB) 17,827		
Status at Report Time DRILLING 8 3/4 LATERAL AT 17,673 ft															
Operations Summary ROTATE/SLIDE FROM 16,187' TO 17,673. (1,486 ft AT 63.2 fph) SERVICE RIG - MW 9.5, FULL RETURNS. TL # 10 - 7119' KBTVD AT 0' VS, W/88.95° INC. - RECEIVED 4-27-17, 20:21 HRS WINDOW 10' UP / 10 DOWN WITH NEW TARGET LINE.. LAST SURVEY: 17,523 MD, 88.7° INC, 179.5° AZM, 6.5' ABOVE, 20' LEFT, TEMP 169° BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)								Planned Operations DRILL LATERAL TO 17,835 , PERFORM CLEAN UP CYCLE , T.O.H.							
Start MD (ftKB) 16,187				End MD (ftKB) 17,673			Depth Progress (ft) 1,486			Drilling Time (hr) 23.50			Avg ROP (ft/hr) 63.2		
Time Log															
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity		NPT				
05:00	17:30	12.50	16,187	17,102	ROTATE/SLIDE DRILL FROM 16,187 ft TO 17,102 ft ft, AT 73.2 fph ROTATE DRILL: 830 ft IN 7.00 hrs. AT 118.6 fph AVERAGE ROP. SLIDE DRILL: 85 ft. IN 5.50 hrs AT 15.5 fph AVERAGE ROP ROTATE 56 %, SLIDE 44 % (MW 9.5 - FULL RETURNS) WINDOW CHANGED TO 5 ft UP 15 ft DOWN ON TL #9 AT 0600 HRS.	PROD	LAT	DRILL	DRILL W/ MUD		No				
17:30	18:00	0.50	17,102	17,102	SERVICE RIG	PROD	LAT	DRILL	LUBRICATE RIG		No				
18:00	05:00	11.00	17,102	17,673	ROTATE/SLIDE DRILL FROM 17,102 ft TO 17,673 ft ft, AT 51.9 fph ROTATE DRILL: 511 ft IN 4.25 hrs. AT 120.2 fph AVERAGE ROP. SLIDE DRILL: 60 ft. IN 6.75 hrs AT 8.8 fph AVERAGE ROP ROTATE 89 %, SLIDE 11 % (MW 9.5 - FULL RETURNS) TL # 10 - 7119' KBTVD AT 0' VS, W/88.95° INC. - RECEIVED 4-27-17, 20:21 HRS WINDOW 10' UP / 10 DOWN WITH NEW TARGET LINE.	PROD	LAT	DRILL	DRILL W/ MUD		No				



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/29/2017
Report Number: 18
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 14
End MD (ftKB): 17,833
Depth Progress (ft): 160
Planned VS (ft): 11,107
Current VS (ft): 11,050
AFE Number: 1550466

API 42383398290000		Surface Legal Location SURVEY, A-U246, BLOCK 11		Latitude 31.2138700000		Longitude -101.5045900000		Orig KB El... 2,687.00		RKB (ft) 21.00		County REAGAN		State TEXAS			
Report Summary																	
Well Spud Date 3/28/2017			Total Depth Date 4/28/2017			Rig Release Date			Target Formation WFMPB0_228_SH				Proposed TD (ftKB) 17,827				
Status at Report Time T.O.H. AT 99 ft																	
Operations Summary ROTATED/SLID FROM 17,673 TO TD AT 17,833'. PERFORMING CLEANUP CYCLE AT TD. SERVICE RIG , CHECK FLOW (WELL STATIC) T.O.H. TO 99 ft FINAL SURVEY: 17,778 MD, 90.2° INC, 182.8° AZM, 7' ABOVE, 15' LEFT, TEMP 169° BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)								Planned Operations L/D BHA # 4 , PULL WEAR BUSHING , R/U EXPRESS CASING CREW , RUN 5 1/2 CASING									
Start MD (ftKB) 17,673				End MD (ftKB) 17,833				Depth Progress (ft) 160				Drilling Time (hr) 1.25			Avg ROP (ft/hr) 128.0		
Time Log																	
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments				Hole Section	Interval	Category	Activity		NPT			
05:00	06:15	1.25	17,673	17,833	ROTATED/SLID FROM 17,673 ft TO TD AT 17,833 ft, AT 128 fph ROTATE DRILL: 160 ft IN 1.25 hrs. AT 128 fph AVERAGE ROP. SLIDE DRILL: 0 ft. IN 0 hrs AT 0 fph AVERAGE ROP ROTATE 100 %, SLIDE 0 % (MW 9.5+ - FULL RETURNS)				PROD	LAT	DRILL	DRILL W/ MUD		No			
06:15	15:45	9.50	17,833	17,833	CHECKED FLOW, WELL STATIC, PERFORMED CLEAN UP CYCLE AT TD: PUMPED 4 SETS, 40 bbl HI-VIS AND 40 BBL WEIGHTED TANDEM SWEEPS 30 MINUTES APART. SFC TO SFC. 1ST SET: START TQ 14K, END TQ 12K, SHAKER COVERAGE 85% 2ND SET: START TQ 12K, END TQ 10K, SHAKER COVERAGE 60% 3RD SET: START TQ 10K, END TQ 9.5K, SHAKER COVERAGE 30% 4TH SET: START TQ 9.5K, END TQ 9 K, SHAKER COVERAGE 5% CONTINUOUS 70 rpm, 548 gpm - RAISED MW TO 9.7 DURING CLEANUP CYCLE. FULL RETURNS NOTIFIED TXRRC AT 09:30 hrs. 04-28-17, OF INTENT TO RUN AND CEMENT PRODUCTION CASING. (SPOKE TO IVY)				PROD	LAT	DRILL	COND MUD & CIRC		No			
15:45	16:15	0.50	17,833	17,833	SERVICE RIG				PROD	LAT	DRILL	LUBRICATE RIG		No			
16:15	05:00	12.75	17,833	17,833	CHECKED FLW, WELL STATIC, PUMPED SLUG, AND TRIPPED OUT OF HOLE (SLM) FROM 17,833 ft TO BHA. FILLED HOLE CONTINUOUSLY FROM TRIP TANK. NO ABNORMAL DRAG, HOLE TOOK PROPER FILL.				PROD	LAT	DRILL	TRIPS		No			



PERMIAN RESOURCES, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA
PRES WELL NO. 156

Report End Date: 4/30/2017
Report Number: 19
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 15
End MD (ftKB): 17,833
Depth Progress (ft): 0
Planned VS (ft): 11,107
Current VS (ft): 11,050
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary

Well Spud Date 3/28/2017	Total Depth Date 4/28/2017	Rig Release Date	Target Formation WFMPB0_228_SH	Proposed TD (ftKB) 17,827
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Status at Report Time
BLEED AIR OUT OF CASING

Operations Summary LAID DOWN BHA, RIGGED UP CASING CREW, MADE UP AND TESTED SHOE TRACK, RAN 5 1/2 in PRODUCTION CASING TO 17,833 ft, HELD PJSM W/ CREST CEMENTER, M/U CEMENT HEAD, BURST FLOTATION COLLAR W/ 2,480 psi, BLEED AIR OUT OF CASING BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)	Planned Operations CIRC, CEMENT 5 1/2 CASING, FLUSH LINES, NIPPLE DOWN, SET SLIPS, INSTALL TA CAP, SLIP AND CUT DRILL LINE
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Start MD (ftKB) 17,833	End MD (ftKB) 17,833	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)
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Time Log

Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	06:00	1.00	17,833	17,833	LAY DOWN BHA No. 4: LAID DOWN CROSSOVER, DRAINED MOTOR, BROKE BIT (PDC LOGIC 8 3/4 in. PLT 613 D6, S/N S09961 GRADED 1-1-WT-G-X-1-NO-TD), LAID DOWN NMDC 1, REMOVED MWD TOOL, LD NMDC 2, UBHO AND MUD MOTOR. (SLM - NO CORRECTION)	PROD	LAT	DRILL	P/U & L/D BHA	No
06:00	07:00	1.00	17,833	17,833	CLEARED AND CLEANED RIG FLOOR, RETRIEVED WEAR BUSHING.	PROD	LAT	DRILL	BOP/OTHER	No
07:00	07:45	0.75	17,833	17,833	HELD PJSM AND RIGGED UP CASING CREW.	PROD	PROD	CSG/CEMENT	RUN CASING	No
07:45	08:00	0.25	17,833	17,833	HELD SAFETY MEETING ON RUNNING CASING WITH CASING CREW, RIG HANDS, AND RIG SUPERVISOR.	PROD	PROD	CSG/CEMENT	SAFETY MEETING	No
08:00	09:00	1.00	17,833	17,833	MADE UP 5 1/2 in. 550 BTC STDWT P-110 TYPE 501SV-PVTS FLOAT SHOE AND 550 BTC P-110 TYPE 700LP DV FLOAT COLLAR. RIGGED UP SWAGE AND PUMPED THROUGH FLOAT EQUIPMENT, TESTED FLOATS (OK). WITNESSED "GO/NOGO" BALLS DROPPED THROUGH BPS SUBS, IDENTIFIED AND MARKED BPS SUB W/ I-SEAT (TOP). MADE UP NOV BPS SUB, 1 JNT CASING, NOV BPS SUB, 1 JNT CASING, AND NOV BPS SUB, WITH I-SEAT, IN TOP POSITION.	PROD	PROD	CSG/CEMENT	RUN CASING	No
09:00	03:45	18.75	17,833	17,833	RAN 5 1/2 PRODUCTION CASING TO 17,833 ft., AFTER INSTALLING FLOTATION COLLAR FILLED CASING ON THE FLY, TAGGED BOTTOM. PULLED TRIP NIPPLE AND INSTALLED ROTATING HEAD RUBBER. RAN A TOTAL OF 424 JOINTS 5 1/2 in, 17 ppf, CYP-110 BTC CASING AND 3 MARKER JOINTS. SET FLOAT SHOE AT 17,833 ft. FLOAT COLLAR AT 17,787 ft, NOV BPS SLEEVE AT 17,743 ft, NOV BPS SLEEVE AT 17,699 ft, NOV BPS SLEEVE WITH I-SEAT AT 17,655 ft, MARKER JOINT AT 15,411 ft. MARKER JOINT AT 12,996 ft. MARKER JOINT AT 10,614 ft. NOV FLOTATION COLLAR AT 6,902 ft. RAN A TOTAL OF 165 CENTRALIZERS, 1 EVERY THIRD JOINT IN LATERAL, 3 PER 2 JOINTS IN THE CURVE, AND 1 EVERY 4 JOINTS IN VERTICAL TO SURFACE. PROPER DISPLACEMENT FROM WELL DURING CASING RUN.	PROD	PROD	CSG/CEMENT	RUN CASING	No
03:45	04:00	0.25	17,833	17,833	HELD PJSM W/ CO MAN, CREST CEMENTER, RIG HAND'S, NOV TECH, M/U CEMENT HEAD	PROD	PROD	CSG/CEMENT	SAFETY MEETING	No
04:00	05:00	1.00	17,833	17,833	PRESSURED UP ON CASING AND RUPTURED DISK IN FLOTATION COLLAR WITH 2,480 psi. BLEED OUT AIR AND PUMPED CAPACITY OF AIR CHAMBER (254 BBLS) TO FILL CASING., R/D EXPRESS CASING CREW	PROD	PROD	CSG/CEMENT	COND MUD & CIRC	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 5/1/2017
Report Number: 20
Rig:
Projected Days (days): 18
Drilling Days: 16
End MD (ftKB): 17,833
Depth Progress (ft): 0
Planned VS (ft): 11,107
Current VS (ft): 11,050
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary

Well Spud Date 3/28/2017	Total Depth Date 4/28/2017	Rig Release Date 5/1/2017	Target Formation WFMPB0_228_SH	Proposed TD (ftKB) 17,827
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Status at Report Time
RELEASED RIG AT 00:00 ON 4/30/2017

Operations Summary CIRCULATED SURFACE TO SURFACE WITH FULL RETURNS, RIGGED UP CEMENTERS AND PERFORMED PRODUCTION CEMENT JOB WITH FULL RETURNS, CIRCULATED ALL OF SPACER AND 84 BBLs CEMENT TO SURFACE. RIGGED DOWN CEMENTERS, FLUSHED STACK AND LINES, BROKE BOLTS ON STACK, RAISED STACK AND SET SLIPS W/ 124 K, INSTALLED TA CAP, SLIP AND CUT DRILL LINE, NPT 4 hrs C/O TOP SEAL ON QUILL SHAFT ON TOP DRIVE. RELEASED RIG TO THE UNIVERSITY 11 RE 931HS AT 2400 HRS 4/30/17. BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)	Planned Operations RELEASED RIG TO UNIVERSITY 11 RE 931 HS AT 24:00 ON 4/30/2017
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Start MD (ftKB) 17,833	End MD (ftKB) 17,833	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)
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Time Log

Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	07:00	2.00	17,833	17,833	CIRCULATED CASING, STAGED PUMPS UP TO 8 bpm AND CIRCULATED SURFACE TO SURFACE (12,863 STROKES). FOR 2 BOTTOMS UP. CIRCULATING PRESSURE OF 800 psi. HELD PJSM ON CEMENTING 5 1/2 in. PRODUCTION CASING WITH NINE (CREST) CEMENTERS, NOV FLOAT EQUIPMENT HANDS, HALLIBURTON MUD ENGINEER, UNIT RIG MANAGER AND HANDS.	PROD	PROD	CSG/CEMENT	COND MUD & CIRC	No
07:00	11:30	4.50	17,833	17,833	PUMPED 5 1/2 in. PRODUCTION CEMENT JOB WITH NINE (CREST) AS FOLLOWS: TESTED LINES TO 8,500 psi, PUMPED 100 BBL 10.2 ppg WEIGHTED SPACER, 309 BBLs (590 sx) 50/50 POZ H + ADDITIVES 11.2 ppg LEAD CEMENT. 586 BBLs (2,570 sx) 50/50 POZ H + ADDITIVES 14.4 ppg TAIL CEMENT. WASHED UP CEMENTING LINES AND DROPPED DART PLUG, DISPLACED W/ 413 BBLs OF TREATED WATER W/(FIRST 50 BBL WITH SUGAR, BIOCIDES AND CORROSION INHIBITOR / REMAINING DISPLACEMENT WATER WITH BIOCIDES AND CORROSION INHIBITOR) AT 6 bbls./min. (CAUGHT CEMENT 75 BBLs INTO DISPLACEMENT) SLOWED PUMP RATE TO 3 bpm FOR LAST 20 BBLs OF DISPLACEMENT. PLUG LANDED ON TIME WITH FINAL CIRCULATING PRESSURE OF 1470 psi. BUMPED PLUG TO 2470 psi. (1,000 psi OVER) HELD PRESSURE FOR 5 MINUTES. RELEASED PRESSURE AND BLED BACK 4 bbls. FLOATS HELD. FULL RETURNS THROUGHOUT JOB, CIRCULATED ALL OF SPACER AND 84 BBLs GOOD CEMENT TO SURFACE. TOP OF LEAD AT SURFACE, ESTIMATED TOP OF TAIL AT 4836 ft.	PROD	PROD	CSG/CEMENT	RUN CEMENT	No
11:30	12:00	0.50	17,833	17,833	RIGGED DOWN CEMENTERS.	PROD	PROD	CSG/CEMENT	RUN CEMENT	No
12:00	12:30	0.50	17,833	17,833	FLUSHED THROUGH BOP, FLOW LINE, AND MUD LINES WITH DIESEL AND WATER.	PROD	PROD	CSG/CEMENT	BOP/OTHER	No
12:30	14:30	2.00	17,833	17,833	PULLED MOUSEHOLE, REMOVED FLEX LINE TO FLOWLINE, TURNBUCKLES, DRIP PAN AND CURTAIN, REMOVED 20' SECTION OF CHOKE LINE.	PROD	PROD	CSG/CEMENT	BOP/OTHER	No
14:30	18:00	3.50	17,833	17,833	CONNECTED WINCHES TO BOP, BROKE BOLTS ON STACK, LIFTED BOP WITH WINCHES. SET CASING SLIPS WITH 124K ON SLIPS. ROUGH CUT CASING AND LAID DOWN CUT OFF. BEVELED CASING CUT. REMOVED SPACER SPOOLS. INSTALLED WELL CAP.	PROD	PROD	CSG/CEMENT	BOP/OTHER	No
18:00	20:00	2.00	17,833	17,833	SLIP AND CUT DRILL LINE.	PROD	PROD	CSG/CEMENT	CUT SLIP & DRILL LINE	No
20:00	00:00	4.00	17,833	17,833	REPAIRED TOP DRIVE (REPLACED SEAL ON QUILL SHAFT)	PROD	PROD	CSG/CEMENT	REPAIR RIG	Yes



PERMIAN RESOURCES, LLC
Daily Drilling Report

UNIVERSITY 11 RE 932HA
PRES WELL NO. 156
INTEGRITY 3

Report Date 3/29/2017
Report # 1
Projected Days 0
Drilling Days
Current Depth 351
Depth Progress 290
Planned VS
Current VS
AFE # 1550466
Total AFE 2,430,179

API 42383398290000		Surface Legal Location SURVEY, A-U246, BLOCK 11		Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN		State TEXAS						
Report Summary																
Well Spud 3/28/2017	TD Date	RR Date	Target Formation WFMPB0_228_SH		Prop TD (ftKB)		Target Line		Drilling AFE 2,430,179	Daily Field Est (Cost) 121,045	Cum Field Est (Cost) 121,045					
Status at Report Time DRILLING AHEAD AT 351ft																
Operations Summary MIRU, PU BHA, SPUD WELL AT 2330 hrs ON 3/28/17, DRILLED FROM 61ft TO 351ft.						Planned Operations FINISH DRILLING TO TD, RUN SURFACE CASING, CEMENT SURFACE, RELEASE RIG.										
SPOKE TO VIVIVAN AT TRRC AT 1640 hrs ON 3/23/17. TRRC JOB: 76586																
Start MD (ftKB) 61			End MD (ftKB) 351			Depth Progress (ft) 290		Drilling Time (hr) 4.50		Avg ROP (ft/hr) 64.4						
Rotating Time (hr) 4.50		Sliding Time (hr)		Rotating ROP (ft/hr) 64.4		Sliding Rop (ft/hr)		% Rotating Time (%) 100.00		% Sliding Time (%) 0.00						
Depth Rotating (ft) 290.00		Depth Sliding (ft)														
Contacts																
Contacts: SPUD RIG, INTEGRITY 3, 361-827-3304; DRLG ENG, NICK GOREE, PRES; CONSLTNT, KENNETH DABNEY, SIERRA																
Daily Time Log																
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments			Hole Section	Interval	Category	Activity	NPT				
19:00	20:00	1.00	61	61	MIRU INTEGRITY 3.			SURF	VERT	DRILL	RIG UP/RIG DOWN	No				
20:00	23:00	3.00	61	61	WAIT ON LIGHTNING AND WEATHER TO CLEAR			SURF	VERT	DRILL	STANDBY	No				
23:00	23:30	0.50	61	61	PU BHA 1.			SURF	VERT	DRILL	P/U & L/D BHA	No				
23:30	00:30	1.00	61	351	SPUD WELL ON 03/28/17 AT 2330 HRS ROTATE DRILL FROM 61ft - 126ft, 65ft AT 130fph 100% ROTATE, FULL RETURNS			SURF	VERT	DRILL	DRILL W/ AIR	No				
00:30	01:00	0.50	351	351	CHANGE RUBBER HEAD.			SURF	VERT	DRILL	DRILL W/ AIR	No				
01:00	05:00	4.00	351	351	ROTATE DRILL FROM 126ft - 351ft, 225ft AT 56.2fph 100% ROTATE			SURF	VERT	DRILL	DRILL W/ AIR	No				
Drilling Parameters																
Start Depth (ftKB)	End Depth (ftKB)	Rot Time (hr)	Slide Time (hr)	Int ROP (ft/hr)	TFO (°)	dP (SPP) (psi)	WOB (1000lbf)	Q Rate (gpm/cfm)	SPP (psi)	RPM (rpm)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drill Tq	T BH (°F)		
61	126	0.50	0.00	130.0			2			40						
126	351	4.00	0.00	56.3			2			40						
Bit / BHA Information																
Drill Bit			Bit Run	Make	Type	Bit Dull		Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	Rot ROP (ft/hr)	Max RPM (rpm)
17 1/2in, HAMMER, 235252			1	NUMA	HAMMER BIT	-----TD		61	1,022	961	18.50	51.9	18.50		51.9	40
Current BHA Components																
BHA No	Item Description				Make		Model		OD (in)	Jts	Length (ft)	Top Thread	Gauge (in)	Fish Neck OD (in)	FN Len (ft)	
1	XO SUB				INTEGRITY		INTEGRITY		5 1/2	1	1.28	IF				
1	DRILL COLLAR				INTEGRITY		INTEGRITY		5 1/2	3	90.00	FH				
1	XO SUB				INTEGRITY		INTEGRITY		5 1/2	1	1.00	FH				
1	DRILL COLLAR				INTEGRITY		INTEGRITY		9	1	29.00	REG				
1	BIT SUB				INTEGRITY		INTEGRITY		6 5/8	1	3.15	REG				
Mud Motor Details																
BHA...	Item Description			OD (in)	Length (ft)	Make		Model		Serial Number		Tq Max (ft*lb)	Start Hrs (hr)	End Hrs (hr)		
Degree Bend						Bit to Bend (ft)				RPG						
Mud Volumes: Gains and Losses																
Additions (bbl)		Losses (bbl)		Additions - Losses (bbl)		Cum Additions (bbl)		Cum Losses (bbl)		Cum Additions - Losses (bbl)						
BOPE Testing																
Type					Last Date			Next Check Date			Days Until Next Check (days)					
Leak Off and Formation Integrity Tests																
Test Type		Test Date	Depth (ftKB)	Fluid	Fluid Dens (lb/gal)	Sfc Press (psi)	MWE (lb/gal)	Com								
CASING		3/30/2017	1,011.0	FRESH WATER	8.30	1,000.0		TESTED 13 3/8 CASING TO 1000psi FOR 30 MINUTES.								
Casing Design																
Casing Description			Run Date	Pull Date	OD (in)	Wt (lb/ft)	Grade	Conn		Set Depth (ftKB)	Length (ft)					
PLANNED INTERMEDIATE PRODUCTION CONDUCTOR SURFACE			3/20/2017		20 13 3/8	133.00 54.50	J-55 J-55	WELDED BUTTRESS THREAD		61.0 1,000.0	40.00 1,006.16					
Survey Data																
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	BUR (°/100ft)								
Mud Logging Information																
Lithology and Shows					Max Trip Gas (units)			Avg Drill Gas (units)			Max Drill Gas (units)					
Geological Data																
Formation Name					Prog Top TVD (ftKB)			Drill Top MD (ftKB)			Drill Top (TVD) (ftKB)					
SALADO					883											
YATES					1,427											
SEVEN RIVERS					1,591											
QUEEN					2,045											
GRAYBURG					2,298											
SAN ANDRES					3,036											
SAN ANDRES					3,565											
SPRABERRY UPPER					5,674											
LOWER SPRABERRY					6,172											
JO-MILL SAND					6,488											
DEAN					6,985											
WOLFCAMP A					7,132											
WOLFCAMP B					7,459											
WFMPB0_228_SH					7,544											
EH&S Report																
Time Since LTI (days)					Time Since Reportable Incident (days)											
Type		Time	Description				Comments									
Job Supplies																
Supply Item Description		Received	Consumed	Returned	Note			Cum On Loc	Cum Consumed	Cum Field Est (Cost)						



PERMIAN RESOURCES, LLC
Daily Drilling Report

UNIVERSITY 11 RE 932HA

PRES WELL NO. 156
INTEGRITY 3

Report Date 3/30/2017
Report # 2
Projected Days 0
Drilling Days
Current Depth 1,022
Depth Progress 671
Planned VS
Current VS
AFE # 1550466
Total AFE 2,430,179

API 42383398290000		Surface Legal Location SURVEY, A-U246, BLOCK 11		Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN		State TEXAS				
Report Summary														
Well Spud 3/28/2017	TD Date	RR Date	Target Formation WFMPB0_228_SH		Prop TD (ftKB)		Target Line		Drilling AFE 2,430,179	Daily Field Est (Cost) 51,101	Cum Field Est (Cost) 172,146			
Status at Report Time FINISH CEMENT JOB														
Operations Summary DRILLED FROM 351ft to 1,022ft RKB, CIRCULATED HOLE, PU AND LD BHA, RAN SURFACE CASING AND CEMENT.						Planned Operations TEST CASING, LOWER RIG, CUT CASING, RUN GYRO, AND RELEASE RIG.								
Start MD (ftKB) 351			End MD (ftKB) 1,022			Depth Progress (ft) 671		Drilling Time (hr) 14.00		Avg ROP (ft/hr) 47.9				
Rotating Time (hr) 14.00		Sliding Time (hr)		Rotating ROP (ft/hr) 47.9		Sliding Rop (ft/hr)		% Rotating Time (%) 100.00		% Sliding Time (%) 0.00	Depth Rotating (ft) 671.00	Depth Sliding (ft)		
Contacts														
Contacts: SPUD RIG, INTEGRITY 3, 361-827-3304; DRLG ENG, NICK GOREE, PRES; CONSLTNT, KENNETH DABNEY, SIERRA														
Daily Time Log														
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity		NPT			
05:00	19:00	14.00	351	1,022	ROTATE DRILL FROM 351ft - 1,022ft, 671ft AT 47.9fph	SURF	VERT	DRILL	DRILL W/ AIR		No			
19:00	19:30	0.50	1,022	1,022	100% ROTATE FULL RETURNS	SURF	VERT	DRILL	COND MUD & CIRC		No			
19:30	20:30	1.00	1,022	1,023	CIRCULATED HOLE TOOH TO BHA	SURF	VERT	DRILL	TRIPS		No			
20:30	22:30	2.00	1,022	1,022	RAN 1006.2ft (24jts) OF 13.375in J-55 54.5ppf BTC SURFACE CASING. TAGGED BOTTOM AT 1,022ft RKB. ANTELOPE BOW SPRING CENTRALIZERS INSTALLED ON EVERY 4TH JOINT. SHOE AT 1,020ft. FLOAT COLLAR AT 983ft.	SURF	VERT	DRILL	RUN CASING		No			
22:30	01:30	3.00	1,022	1,022	WASHED DOWN LAST 2 JOINTS AND LOADED HOLE WITH 300bbls OF FRESH WATER. (DID NOT HAVE ANY CIRCULATION)	SURF	VERT	DRILL	RUN CASING & CEMENT		No			
01:30	05:00	3.50	1,022	1,022	R/U CREST CEMENT HEAD. TESTED LINES TO 2500psi/5min. MIXED AND PUMPED 13 3/8in SURFACE CASING PRIMARY CEMENT JOB AS FOLLOWS: 40bbls GEL SPACER, 80bbls GEL SPACER WITH LCM, 5bbls WATER SPACER, 260.28bbls OF 12.8ppg LEAD SLURRY AT 5bpm, 118.44bbls OF 14.8ppg TAIL SLURRY AT 5bpm. DROPPED INTEGRITY TOP PLUG AND DISPLACED CEMENT WITH 147bbls OF WATER AT 5bpm. SLOWED DOWN TO 2bpm ON LAST 20bbls of DISPLACEMENT.	SURF	VERT	DRILL	RUN CASING & CEMENT		No			
					113bbls OF CEMENT RETURNED TO SURFACE, FINAL LIFT PRESSURE AT 450psi, HELD 500psi OVER LIFT PRESSURE AT 1200psi, HELD FOR 5 MINUTES, FLOATS HELD, BLED BACK 1bbl.									
Drilling Parameters														
Start Depth (ftKB) 351	End Depth (ftKB) 1,022	Rot Time (hr) 14.00	Slide Time (hr) 0.00	Int ROP (ft/hr) 47.9	TFO (°)	dP (SPP) (psi)	WOB (1000lbf) 2	Q Rate (gpm/cfm)	SPP (psi)	RPM (rpm) 40	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drill Tq	T BH (°F)
Bit / BHA Information														
Drill Bit		Bit Run	Make	Type	Bit Dull	Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	Rot ROP (ft/hr)	Max RPM (rpm)
17 1/2in, HAMMER, 235252		1	NUMA	HAMMER BIT	-----TD	61	1,022	961	18.50	51.9	18.50		51.9	40
Current BHA Components														
BHA No	Item Description			Make	Model	OD (in)	Jts	Length (ft)	Top Thread	Gauge (in)	Fish Neck OD (in)	FN Len (ft)		
1	XO SUB			INTEGRITY	INTEGRITY	5 1/2	1	1.28	IF					
1	DRILL COLLAR			INTEGRITY	INTEGRITY	5 1/2	3	90.00	FH					
1	XO SUB			INTEGRITY	INTEGRITY	5 1/2	1	1.00	FH					
1	DRILL COLLAR			INTEGRITY	INTEGRITY	9	1	29.00	REG					
1	BIT SUB			INTEGRITY	INTEGRITY	6 5/8	1	3.15	REG					
Mud Motor Details														
BHA...	Item Description			OD (in)	Length (ft)	Make	Model		Serial Number		Tq Max (ft*lb)	Start Hrs (hr)	End Hrs (hr)	
Degree Bend					Bit to Bend (ft)				RPG					
Mud Volumes: Gains and Losses														
Additions (bbl)		Losses (bbl)		Additions - Losses (bbl)		Cum Additions (bbl)		Cum Losses (bbl)		Cum Additions - Losses (bbl)				
BOPE Testing														
Type					Last Date			Next Check Date			Days Until Next Check (days)			
Leak Off and Formation Integrity Tests														
Test Type		Test Date	Depth (ftKB)	Fluid	Fluid Dens (lb/gal)	Sfc Press (psi)	MWE (lb/gal)	Com						
CASING		3/30/2017	1,011.0	FRESH WATER	8.30	1,000.0		TESTED 13 3/8 CASING TO 1000psi FOR 30 MINUTES.						
Casing Design														
Casing Description			Run Date	Pull Date	OD (in)	Wt (lb/ft)	Grade	Conn		Set Depth (ftKB)	Length (ft)			
PLANNED INTERMEDIATE PRODUCTION CONDUCTOR SURFACE			3/20/2017		20 13 3/8	133.00 54.50	J-55 J-55	WELDED BUTTRESS THREAD		61.0 1,000.0	40.00 1,006.16			
Survey Data														
MD (ftKB)		Incl (°)		Azm (°)		TVD (ftKB)		VS (ft)		NS (ft)		EW (ft)		DLS (°/100ft)
														BUR (°/100ft)
Mud Logging Information														
Lithology and Shows						Max Trip Gas (units)		Avg Drill Gas (units)			Max Drill Gas (units)			
Geological Data														
Formation Name					Prog Top TVD (ftKB)			Drill Top MD (ftKB)			Drill Top (TVD) (ftKB)			
SALADO					883									
YATES					1,427									
SEVEN RIVERS					1,591									
QUEEN					2,045									
GRAYBURG					2,298									
SAN ANDRES					3,036									
SAN ANDRES					3,565									
SPRABERRY UPPER					5,674									
LOWER SPRABERRY					6,172									
JO-MILL SAND					6,488									
DEAN					6,985									
WOLFCAMP A					7,132									
WOLFCAMP B					7,459									
WFMPB0_228_SH					7,544									



PERMIAN RESOURCES, LLC
Daily Drilling Report

UNIVERSITY 11 RE 932HA
PRES WELL NO. 156
INTEGRITY 3

Report Date 3/30/2017
Report # 2
Projected Days 0
Drilling Days
Current Depth 1,022
Depth Progress 671
Planned VS
Current VS
AFE # 1550466
Total AFE 2,430,179

EH&S Report							
Time Since LTI (days)				Time Since Reportable Incident (days)			
Type	Time	Description			Comments		
SAFETY MEETING	19:00	RU SAFETY MEETING			CREW CHANGE SAFETY MEETING		
SAFETY MEETING	05:00	RD SAFETY MEETING			CREW CHANGE SAFETY MEETING		
Job Supplies							
Supply Item Description	Received	Consumed	Returned	Note	Cum On Loc	Cum Consumed	Cum Field Est (Cost)



PERMIAN RESOURCES, LLC
Daily Drilling Report

UNIVERSITY 11 RE 932HA

PRES WELL NO. 156
INTEGRITY 3

Report Date 3/31/2017
Report # 3
Projected Days 0
Drilling Days
Current Depth 1,022
Depth Progress 0
Planned VS
Current VS
AFE # 1550466
Total AFE 2,430,179

API 42383398290000		Surface Legal Location SURVEY, A-U246, BLOCK 11		Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN		State TEXAS				
Report Summary														
Well Spud 3/28/2017	TD Date	RR Date	Target Formation WFMPB0_228_SH	Prop TD (ftKB)	Target Line		Drilling AFE 2,430,179	Daily Field Est (Cost) 77,239		Cum Field Est (Cost) 249,385				
Status at Report Time WELL IS READY														
Operations Summary FINISHED CASING TEST, RD CEMENTERS, RUN GYROS AND RELEASED RIG.						Planned Operations WELL IS READY FOR BIG RIG								
Start MD (ftKB) 1,022			End MD (ftKB) 1,022		Depth Progress (ft) 0		Drilling Time (hr)		Avg ROP (ft/hr)					
Rotating Time (hr)		Sliding Time (hr)		Rotating ROP (ft/hr)		Sliding Rop (ft/hr)		% Rotating Time (%)		% Sliding Time (%)				
Depth Rotating (ft)		Depth Sliding (ft)												
Contacts														
Contacts: SPUD RIG, INTEGRITY 3, 361-827-3304; DRLG ENG, NICK GOREE, PRES; CONSLTNT, KENNETH DABNEY, SIERRA														
Daily Time Log														
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments		Hole Section	Interval	Category	Activity	NPT			
05:00	05:30	0.50	1,022	1,022	PRESSURED UP TO 1000psi AND TESTED CASING FOR 30 MINUTES. TEST WAS GOOD.		SURF	VERT	DRILL	PRESSURE TEST	No			
05:30	07:00	1.50	1,022	1,022	CUT CASING, RIG DOWN AND RELEASED RIG. RAN GYRO, INSTALLED WELLHEAD AND POURED GROUT CEMENT AROUND BASEPLATE OF WELLHEAD ON 3/30/17.		SURF	VERT	DRILL	DIRECTIONAL WORK	No			
Drilling Parameters														
Start Depth (ftKB)	End Depth (ftKB)	Rot Time (hr)	Slide Time (hr)	Int ROP (ft/hr)	TFO (°)	dP (SPP) (psi)	WOB (1000lbf)	Q Rate (gpm/cfm)	SPP (psi)	RPM (rpm)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drill Tq	T BH (°F)
Bit / BHA Information														
Drill Bit		Bit Run	Make	Type	Bit Dull	Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	Rot ROP (ft/hr)	Max RPM (rpm)
17 1/2in, HAMMER, 235252		1	NUMA	HAMMER BIT	-----TD	61	1,022	961	18.50	51.9	18.50		51.9	40
Current BHA Components														
BHA No	Item Description			Make	Model	OD (in)	Jts	Length (ft)	Top Thread	Gauge (in)	Fish Neck OD (in)	FN Len (ft)		
1	XO SUB			INTEGRITY	INTEGRITY	5 1/2	1	1.28	IF					
1	DRILL COLLAR			INTEGRITY	INTEGRITY	5 1/2	3	90.00	FH					
1	XO SUB			INTEGRITY	INTEGRITY	5 1/2	1	1.00	FH					
1	DRILL COLLAR			INTEGRITY	INTEGRITY	9	1	29.00	REG					
1	BIT SUB			INTEGRITY	INTEGRITY	6 5/8	1	3.15	REG					
Mud Motor Details														
BHA...	Item Description			OD (in)	Length (ft)	Make	Model	Serial Number	Tq Max (ft•lb)	Start Hrs (hr)	End Hrs (hr)			
Degree Bend					Bit to Bend (ft)				RPG					
Mud Volumes: Gains and Losses														
Additions (bbl)		Losses (bbl)		Additions - Losses (bbl)		Cum Additions (bbl)		Cum Losses (bbl)		Cum Additions - Losses (bbl)				
BOPE Testing														
Type					Last Date			Next Check Date		Days Until Next Check (days)				
Leak Off and Formation Integrity Tests														
Test Type		Test Date	Depth (ftKB)	Fluid	Fluid Dens (lb/gal)	Sfc Press (psi)	MWE (lb/gal)	Com						
CASING		3/30/2017	1,011.0	FRESH WATER	8.30	1,000.0		TESTED 13 3/8 CASING TO 1000psi FOR 30 MINUTES.						
Casing Design														
Casing Description		Run Date	Pull Date	OD (in)	Wt (lb/ft)	Grade	Conn	Set Depth (ftKB)	Length (ft)					
PLANNED INTERMEDIATE														
PRODUCTION		3/20/2017		20	133.00	J-55	WELDED	61.0	40.00					
CONDUCTOR				13 3/8	54.50	J-55	BUTTRESS THREAD	1,000.0	1,006.16					
SURFACE														
Survey Data														
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	BUR (°/100ft)						
621	0.27	287.68	621	-1.98	0.55	2.18	0.68	-0.04						
671	0.15	14.51	671	-1.87	0.65	2.08	0.60	-0.24						
721	0.19	137.34	721	-1.94	0.65	2.15	0.60	0.08						
771	0.41	221.31	771	-1.92	0.45	2.09	0.87	0.44						
821	0.63	262.60	821	-1.58	0.28	1.70	0.84	0.44						
871	0.95	276.91	871	-0.92	0.30	1.02	0.75	0.64						
921	1.10	266.07	921	-0.05	0.32	0.13	0.49	0.30						
971	0.76	248.91	971	0.68	0.16	-0.66	0.87	-0.68						
Mud Logging Information														
Lithology and Shows						Max Trip Gas (units)		Avg Drill Gas (units)		Max Drill Gas (units)				
Geological Data														
Formation Name					Prog Top TVD (ftKB)		Drill Top MD (ftKB)		Drill Top (TVD) (ftKB)					
SALADO					883									
YATES					1,427									
SEVEN RIVERS					1,591									
QUEEN					2,045									
GRAYBURG					2,298									
SAN ANDRES					3,036									
SAN ANDRES					3,565									
SPRABERRY UPPER					5,674									
LOWER SPRABERRY					6,172									
JO-MILL SAND					6,488									
DEAN					6,985									
WOLFCAMP A					7,132									
WOLFCAMP B					7,459									
WFMPB0_228_SH					7,544									
EH&S Report														
Time Since LTI (days)						Time Since Reportable Incident (days)								
Type		Time	Description			Comments								
SAFETY MEETING		05:00	RD SAFETY MEETING			CREW CHANGE SAFETY MEETING								
Job Supplies														
Supply Item Description		Received	Consumed	Returned	Note		Cum On Loc	Cum Consumed	Cum Field Est (Cost)					



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/15/2017
Report Number: 4
Rig: UNIT, 407
Projected Days (days): 0
Drilling Days:
End MD (ftKB): 1,022
Depth Progress (ft): 0
Planned VS (ft): 11,107
Current VS (ft): 1
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH			Proposed TD (ftKB) 17,827				
Status at Report Time PICKING UP BHA No. 2.										
Operations Summary WALKED RIG FROM THE UNIVERSITY 11RE 931HS. REMOVED TA CAP AND NIPPLED UP BOP. TESTED BOP. PERFORMED DRAW DOWN TEST ON ACCUMULATOR. PICKED UP BHA No. 2. LAST SURVEY: DEPTH- 971, INC- .76 AZ- 248.91, TVD- 971 VS- 0.68, MW- 9.7, VIS- 27 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)				Planned Operations FINISH PICKING UP BHA No. 2. TRIP IN HOLE TO 850 ft. DISPLACE HOLE WITH BRINE WATER. DRILL FLOAT AND CEMENT. DRILL 12 1/4 INTERMEDIATE HOLE.						
Start MD (ftKB) 1,022		End MD (ftKB) 1,022		Depth Progress (ft) 0		Drilling Time (hr)		Avg ROP (ft/hr)		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
14:00	14:30	0.50	1,022	1,022	WALK RIG OVER FROM THE UNIVERSITY 11 RE 931HS TO THE UNIVERSITY 11 RE 932HA	MOB	MOB	MOB	SKID/WALK	No
14:30	19:00	4.50	1,022	1,022	REMOVED TA CAP AND INSTALLED SPACER SPOOLS ON WELLHEAD. LOWER BOP DOWN ON SPACER SPOOLS AND NIPPLE UP BOP. HOOKED UP MUD LINES, CHOKE LINE, AND FLOW LINE.	MOB	MOB	MOB	NIPPLE UP B.O.P./WELLHEAD	No
19:00	02:30	7.50	1,022	1,022	OPENED CASING VALVES, AND DISCONNECTED KILL LINE. REMOVED GUTS FROM CHECK VALVE ON KILL LINE. MADE UP TEST PLUG ON DP AND SET IN WELL HEAD. BACKED OUT AND REMOVED TEST JOINT. FILLED BOP WITH WATER. TESTED BLIND RAMS, KILL LINE VALVES, CHECK VALVE, 4" MANUAL, HCR, ALL VALVES ON CHOKE MANIFOLD, AND HYDRAULIC CHOKE TO 250 LOW AND 5000 HIGH. REINSTALLED TEST JOINT AND TESTED UPPER AND LOWER PIPE RAMS TO 250 LOW AND 5000 HIGH. TESTED ANNULAR TO 250 LOW AND 3500 HIGH. PULLED TEST PLUG AND CLOSED CASING VALVES. MADE UP TIW AND PUMP IN SUB ON TOP DRIVE. TESTED TIW, AND LOWER SAFETY VALVE TO 250 LOW AND 5000 HIGH. TESTED STAND PIPE AND MUD LINE BACK TO 4" VALVES ON MUD PUMPS TO 250 LOW AND 5000 HIGH. MADE UP PUMP IN SUB ON INSIDE GRAY VALVE AND TESTED TO 250 LOW AND 5000 HIGH. RIG DOWN TESTER.	MOB	MOB	MOB	TEST B.O.P	No
02:30	03:30	1.00	1,022	1,022	PERFORMED DRAW DOWN TEST ON ACCUMULATOR. INSTALLED WEAR BUSHING. HOOKED UP KILL LINE	MOB	MOB	MOB	TEST B.O.P	No
03:30	05:00	1.50	1,022	1,022	PICKED UP BHA #2 WITH A 1.75" 7/8 LOBE 4 STAGE MUD MOTOR, NMDC, GAP SUB, NMDC, XO SUB, 6 1/2 DC, AND XO SUB. MADE UP BIT #2 12 1/4 SMITH XS716S Ser. No. JM7276.	MOB	MOB	MOB	P/U & L/D BHA	No



PERMIAN RESOURCES, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA

PRES WELL NO. 156

Report End Date: 4/16/2017
Report Number: 5
Rig: UNIT, 407
Projected Days (days): 0
Drilling Days: 1
End MD (ftKB): 3,021
Depth Progress (ft): 1,999
Planned VS (ft): 11,107
Current VS (ft): 235
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary

Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH	Proposed TD (ftKB) 17,827
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Status at Report Time
DRILLING 12 1/4 INT HOLE AT 3021 ft

Operations Summary TIH, DRILL OUT SHOE TRACK WHILE DISPLACING HOLE WITH 9.4+ PPG MUD WEIGHT. ROTATE/SLIDE DRILL FROM 1022 ft TO 3021 ft (1999 ft AT 99.9 fph) 1/2 HOUR RIG SERVICE LAST SURVEY: DEPTH- 2921, INC- 10.0°, AZ-212.80 , TVD- 2898.87 , VS- 229.45 , AHEAD- 1', LEFT 2', TEMP 104° MW- 9.8+ VIS- 28 RIG RELEASE TO SPUD 18.5 HRS. BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)	Planned Operations DRILL 12 1/4 INTERMEDIATE HOLE.
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Start MD (ftKB) 1,022	End MD (ftKB) 3,021	Depth Progress (ft) 1,999	Drilling Time (hr) 20.00	Avg ROP (ft/hr) 99.9
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Time Log

Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	06:30	1.50	1,022	1,022	PICK UP 12 1/4" BHA	MOB	MOB	MOB	P/U & L/D BHA	No
06:30	07:00	0.50	1,022	1,022	TIH, TAGGED AT 956'. WASH DOWN, TAGGED FLOAT COLLAR AT 976'	MOB	MOB	MOB	TRIPS	No
07:00	08:30	1.50	1,022	1,022	DRILL SHOE TRACK FROM 976 TO 1022' WITH WOB- 5-10 ROT- 50 GPM- 626 TOTAL ROT- 156 RPM	MOB	MOB	MOB	REAMING	No
08:30	15:15	6.75	1,022	1,826	ROTATE/SLIDE DRILL FROM 1022 ft TO 1826, 804 ft. 119.1 fph ROTATE DRILL: 737 ft IN 5.75 hrs. AT 128.2 fph AVERAGE ROP. SLIDE DRILL: 67 ft. IN .75 hrs. AT 89.3 fph AVERAGE ROP. ROTATE 92%, SLIDE 8% (FULL RETURNS)	INT	DIR	DRILL	DRILL W/ MUD	No
15:15	15:45	0.50	1,826	1,826	RIG SERVICE	INT	DIR	DRILL	LUBRICATE RIG	No
15:45	05:00	13.25	1,826	3,021	ROTATE/SLIDE DRILL FROM 1826 ft TO 3021, 1195 ft. 90.2 fph ROTATE DRILL: 1067 ft IN 10.5 hrs. AT 101.6 fph AVERAGE ROP. SLIDE DRILL: 128 ft. IN 2.75 hrs. AT 46.6 fph AVERAGE ROP. ROTATE 89%, SLIDE 11% (FULL RETURNS)	INT	DIR	DRILL	DRILL W/ MUD	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

Report End Date: 4/17/2017
Report Number: 6
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 2
End MD (ftKB): 4,240
Depth Progress (ft): 1,219
Planned VS (ft): 11,107
Current VS (ft): 426
AFE Number: 1550466

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

API 42383398290000		Surface Legal Location SURVEY, A-U246, BLOCK 11		Latitude 31.2138700000		Longitude -101.5045900000		Orig KB El... 2,687.00		RKB (ft) 21.00		County REAGAN		State TEXAS	
Report Summary															
Well Spud Date 3/28/2017		Total Depth Date		Rig Release Date		Target Formation WFMPB0_228_SH				Proposed TD (ftKB) 17,827					
Status at Report Time WAITNG ON EXPRESS CASING CREW															
<div>Operations Summary</div> <div>ROTATE/SLIDE DRILL FROM 3021 ft TO 4240 ft (1219 ft AT 85.5 fph).PUMPED TANDEM HIGH VIS SWEEPS. TRIPPED OUT OF HOLE FROM 4240 ft TO 135 ft. LAID DOWN BHA No 2. PULLED WEAR BUSHING AND CLEARED OFF FLOOR. WAITED ON EXPRESS CASING CREW. FLUID LEVEL AT 630 ft WHILE TRIPPING OUT OF HOLE.</div> <div>HOLE STARTED SEEPING AT 3035'. STARTED PUMPING 50 PPB LCM SWEEPS. LOST FULL RETURNS AT 3055'. CONTINUE DRY DRILLING AT 400-500 GPM PUMPING 20 BBLS X 50 PPB LCM SWEEPS PER STAND (NO RETURNS)</div> <div>LAST SURVEY: DEPTH- 4202, INC- 10.20°, AZ- 215.30 , TVD- 4160.04 , VS- 420.35 , BEHIND 2', LEFT 5', TEMP 100°</div> <div>MW- 9.0- VIS- 27</div> <div>DISTANCE FROM THE UNIVERSITY 11RE 931HS- 84 ft</div> <div>RIG RELEASE TO SPUD 18.5 HRS. BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)</div>						<div>Planned Operations</div> <div>RIG UP CASING CREW. RUN 9 5/8 CASING TO 4228 ft. PUMP MUD DOWN CASING WITH NO RETURNS. SWITCH TO CREST AND CEMENT CASING. TEST CASING TO 1500 psi FOR 30 MINUTES. LAY DOWN LANDING JOINT AND INSTALL PACK OFF. PICK UP DIRECTIONAL TOOLS AND TRIP IN HOLE.</div>									
Start MD (ftKB) 3,021		End MD (ftKB) 4,240		Depth Progress (ft) 1,219		Drilling Time (hr) 14.25				Avg ROP (ft/hr) 85.5					
Time Log															
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT					
05:00	08:30	3.50	3,021	3,242	ROTATE/SLIDE DRILL FROM 3021 ft TO 3242, 221 ft. 63.1 fph ROTATE DRILL: 211 ft IN 2.75 hrs. AT 76.7 fph AVERAGE ROP. SLIDE DRILL: 10 ft. IN .75 hrs. AT 13.3 fph AVERAGE ROP. ROTATE 95%, SLIDE 5%	INT	DIR	DRILL	DRILL W/ MUD	No					
					HOLE STARTED SEEPING AT 3035'. STARTED PUMPING 50 PPB LCM SWEEPS. LOST FULL RETURNS AT 3055'. CONTINUE DRY DRILLING AT 400-500 GPM PUMPING 20 BBLS X 50 PPB LCM SWEEPS EACH STAND (NO RETURNS)										
08:30	09:30	1.00	3,242	3,242	RIG SERVICE	INT	DIR	DRILL	LUBRICATE RIG	No					
09:30	20:15	10.75	3,242	4,240	ROTATE/SLIDE DRILL FROM 3242 ft TO 4240, 998 ft. 92.8 fph ROTATE DRILL: 938 ft IN 8.75 hrs. AT 107.2 fph AVERAGE ROP. SLIDE DRILL: 60 ft. IN 2 hrs. AT 30 fph AVERAGE ROP. ROTATE 94%, SLIDE 6%	INT	DIR	DRILL	DRILL W/ MUD	No					
					CONTINUE DRY DRILLING AT 400-500 GPM PUMPING 20 BBLS X 50 PPB LCM SWEEPS EACH STAND (NO RETURNS)										
20:15	21:45	1.50	4,240	4,240	PUMPED TANDEM HIGH VIS SWEEPS AND PUMPED THE EQUIVALENT OF SURFACE TO SURFACE WITH NO RETURNS.	INT	DIR	DRILL	COND MUD & CIRC	No					
21:45	22:30	0.75	4,240	4,240	PUMPED 80 bbls 10 ppg BRINE FOR SLUG. REMOVED ROTATING HEAD AND INSTALLED TRIP NIPPLE. TRIPPED OUT OF HOLE FROM 4240 ft TO 3815 ft. (HIT TIGHT SPOT).	INT	DIR	DRILL	TRIPS	No					
22:30	22:45	0.25	4,240	4,240	ATTEMPTED TO WORK THROUGH TIGHT SPOT AT 3815 ft BY PULLING 50K OVER STRING WEIGHT (COULD NOT WORK THROUGH TIGHT SPOT). SCREWED TOP DRIVE INTO DRILL PIPE AND BACK REAMED THROUGH TIGHT SPOT. WORKED PIPE UP AND DOWN THROUGH TIGHT SPOT WITHOUT PUMP.	INT	DIR	DRILL	REAMING	No					
22:45	02:00	3.25	4,240	4,240	TRIPPED OUT OF HOLE (SLM) FROM 3815 ft TO 135 ft. PUMPED CALCULATED DISPLACEMENT (3.6 bbls/ 5 STANDS) FROM TRIP TANK. HOLE DID NOT FILL UP.	INT	DIR	DRILL	TRIPS	No					
					*THE DERRICK STRAP WAS 2.38 FT LONGER THAN THE PIPE TALLY. NO CHANGES MADE TO TALLY.										
02:00	03:30	1.50	4,240	4,240	LAID DOWN BHA No. 2 FROM 135 ft TO SURFACE. GRADED BIT No 2 12 1/4 SMITH XS716S Ser No jm7276 1-2-BT-G-X-0-NO-TD.	INT	DIR	DRILL	P/U & L/D BHA	No					
03:30	04:30	1.00	4,240	4,240	PULLED WEAR BUSHING AND CLEARED OFF RIG FLOOR. RIGGED DOWN TONGS AND REMOVED DP ELEVATORS.	INT	DIR	DRILL	BOP/OTHER	No					
04:30	05:00	0.50	4,240	4,240	WAIT ON EXPRESS CASING CREW	INT	DIR	DRILL	3rd PARTY EQUIPMENT REPAIR	Yes					



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/18/2017
Report Number: 7
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 3
End MD (ftKB): 4,240
Depth Progress (ft): 0
Planned VS (ft): 11,107
Current VS (ft): 426
AFE Number: 1550466

API 42383398290000		Surface Legal Location SURVEY, A-U246, BLOCK 11		Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS	
Report Summary										
Well Spud Date 3/28/2017		Total Depth Date		Rig Release Date		Target Formation WFMPB0_228_SH		Proposed TD (ftKB) 17,827		
Status at Report Time DISPLACING HOLE WITH OBM										
Operations Summary WAIT ON CASING CREW. RIG UP AND RAN 9 5/8" 40# HCK-55 LTC CASING, TAGGED AT 4190'. WASHED TO BOTTOM WITH NO RETURNS. PICKED UP 9 5/8" HANGER AND LANDED AT 4228'. RIGGED UP CEMENTING HEAD AND PUMPED 600 bbls BRINE WITH NO RETURNS. SWITCHED TO CEMENTERS AND CEMENTED CASING WITH NO RETURNS. LAID DOWN LANDING JOINT AND INSTALLED PACK OFF. PICKED UP DIRECTIONAL BHA AND TRIPPED IN THE HOLE TO 4110 ft. CUT MW IN PITS TO 9.3 PPG. DISPLACED HOLE WITH OBM. LAST SURVEY: DEPTH- 4202, INC- 10.20° , AZ- 215.30 , TVD- 4160.04 , VS- 420.35 , BEHIND 2', LEFT 5', TEMP 100° MW- 9.0- VIS- 27 DISTANCE FROM THE UNIVERSITY 11RE 931HS- 84 ft BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)					Planned Operations WAIT ON CEMENT TO HARDEN. DRILL FLOAT EQUIPMENT AND CEMENT. DRILL 8 3/4 HOLE TO KOP.					
Start MD (ftKB) 4,240		End MD (ftKB) 4,240		Depth Progress (ft) 0		Drilling Time (hr)		Avg ROP (ft/hr)		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	05:30	0.50	4,240	4,240	WAIT ON CASING CREW	INT	DIR	CSG/CEMENT	RUN CASING	Yes
05:30	06:30	1.00	4,240	4,240	RIG UP EXPRESS CASING EQUIPMENT.	INT	DIR	CSG/CEMENT	RUN CASING	No
06:30	07:00	0.50	4,240	4,240	HELD SAFETY MEETING WITH UNIT CREWS - EXPRESS CASING CREW - COMPANY MAN AND TOOLPUSER.	INT	DIR	CSG/CEMENT	SAFETY MEETING	No
07:00	14:30	7.50	4,240	4,240	MADE UP SHOE TRACK, AND RAN 107 JTS 9 5/8" HCK-55 40# LTC TO 4196'. PICKED UP 1 JT. + 6' OF 2ND TAG JOINT AND TAGGED BOTTOM AT 4240 ft BY CASING TALLY DROPPED BALL TO ACTIVATE FLOATS). LAID DOWN TAG JOINTS. MADE UP LANDING JOINT, AND SET HANGER IN WELL HEAD AS PER SWECO FIELD TECH. LANDED AT 4228' NOTE: HAD TO WASH DOWN FROM 4190 TO 4240 AT 300 GPM WITH NO RETURNS. CENTRALIZER PLACEMENT: HALF WAY UP ON FIRST JOINT, ON SECOND AND THIRD JOINT, AND EVERY THIRD JOINT TO SURFACE. AUTO FILL FLOAT SHOE AT 4228 ft AUTO FILL FLOAT COLLAR AT 4149 ft ** HOLE SHOWED SOME RETURNS/DISPLACEMENT WHILE RUNNING CASING.	INT	DIR	CSG/CEMENT	RUN CASING	No
14:30	15:00	0.50	4,240	4,240	RIG DOWN EXPRESS CASING CREW EQUIPMENT.	INT	DIR	CSG/CEMENT	RUN CASING	No
15:00	16:00	1.00	4,240	4,240	RIG UP CEMENT HEAD. DISPLACED CASING AND PUMPED TOTAL OF 600 BBLs OF 9.1 PPG BRINE WATER WITH NO RETURNS.	INT	DIR	CSG/CEMENT	COND MUD & CIRC	No
16:00	16:30	0.50	4,240	4,240	HELD SAFETY MEETING WITH UNIT CREWS - CREST CEMENTING CREW - COMPANY MAN AND TOOL PUSHER	INT	DIR	CSG/CEMENT	SAFETY MEETING	No
16:30	20:00	3.50	4,240	4,240	CEMENTED 9.625 in CASING AS FOLLOWS: TESTED CEMENT LINES TO 3000 PSI. SPACER: WEIGHTED SPACER 50 bbls, 9.5 ppg LEAD CEMENT: 50/50 POZ C, 1200 SKS, 560bbls, YLD 2.62, 11.5 ppg. TAIL CEMENT: C+ CEMENT, 200 SKS, 57 bbls, YLD 1.61, 13.2 ppg. DISPLACEMENT: 315 bbls OF 8.33 ppg FRESH WATER, PLUG BUMPED WITH 1200 PSI (700 psi OVER FCP OF 500 psi). BLEED BACK 1.5 bbls. FLOATS HELD. NO RETURNS/ NO CEMENT BACK TO SURFACE ESTIMATED TOP OF LEAD - 2079 ft. ESTIMATED TOP OF TAIL 3307 ft. TEST CASING TO 1500 PSI FOR 30 MIN	INT	DIR	CSG/CEMENT	RUN CASING	No
20:00	20:30	0.50	4,240	4,240	RIGGED DOWN CEMENTERS	INT	DIR	CSG/CEMENT	RIG UP/RIG DOWN	No
20:30	22:00	1.50	4,240	4,240	BACKED OUT AND LAID DOWN LANDING JOINT. MADE UP PACK OFF ON A JT OF HWDP. SET PACK OFF IN WELLHEAD. TESTED PACK OFF TO 3000 psi FOR 15 MINUTES. LAID DOWN JT OF HWDP.	INT	DIR	CSG/CEMENT	RUN CASING	No
22:00	22:30	0.50	4,240	4,240	INSTALLED WEAR BUSHING.	INT	DIR	CSG/CEMENT	BOP/OTHER	No
22:30	00:00	1.50	4,240	4,240	PICKED UP BHA #3, 6 3/4 5.0 STAGE 6/7 LOBE 2.12° FIXED MUD MOTOR, UBHO SUB, 1 SLICK NMDC, 1 FLEX MONEL, AND MADE UP BIT #2 8 3/4 HALLIBURTON MM65DM Ser. No. 12895786.	INT	DIR	CSG/CEMENT	P/U & L/D BHA	No
00:00	00:45	0.75	4,240	4,240	* TRANSFERRED OBM FROM FRAC TANKS TO MUD TANKS. STRIPPED ROTATING HEAD OFF OF STAND. REPLACED RUBBER ON ROTATING HEAD. PUT ROTATING HEAD BACK ON STAND. INSTALLED ROTATING HEAD.	INT	DIR	CSG/CEMENT	BOP/OTHER	No
00:45	03:15	2.50	4,240	4,240	TRIPPED IN HOLE FROM 92 ft TO 4110 ft.	INT	DIR	CSG/CEMENT	TRIPS	No
03:15	04:00	0.75	4,240	4,240	CONTINUED CUTTING MW TO 9.3 ppg WITH CENTRIFUGES, DIESEL, AND WATER.	INT	DIR	CSG/CEMENT	COND MUD & CIRC	No
04:00	05:00	1.00	4,240	4,240	DISPLACE HOLE WITH 9.3 ppg OBM.	INT	DIR	CSG/CEMENT	COND MUD & CIRC	No



PERMIAN RESOURCES, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA
PRES WELL NO. 156

Report End Date: 4/19/2017
Report Number: 8
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 4
End MD (ftKB): 5,840
Depth Progress (ft): 1,600
Planned VS (ft): 11,107
Current VS (ft): 603
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH			Proposed TD (ftKB) 17,827				
Status at Report Time DRILLING AT 5,840 ft										
Operations Summary WOC, TAGGED AT 4134 ft, DRILL CEMENT AND FLOAT EQUIPMENT FROM 4134 ft TO 4240 ft. ROTATE/SLIDE DRILL FROM 4240 ft TO 5,840 ft , 1,600 ft AT 100 fph LAST SURVEY: DEPTH- 5,695, INC- 4.90°, AZ- 212.90 , TVD- 5636.99 , VS: 602.50 , BEHIND 11', LEFT 12', TEMP 115° MW- 9.3- VIS- 53 BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)				Planned Operations DRILL 8 3/4 HOLE TO KOP, BUILD CURVE.						
Start MD (ftKB) 4,240		End MD (ftKB) 5,840		Depth Progress (ft) 1,600		Drilling Time (hr) 16.00		Avg ROP (ft/hr) 100.0		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	09:00	4.00	4,240	4,240	WAIT ON CEMENT	INT	DIR	CSG/CEMENT	WAIT ON CEMENT	No
09:00	12:30	3.50	4,240	4,240	TAGGED CEMENT AT 4134 ft, DRILL CEMENT AND FLOAT EQUIPMENT FROM 4134 ft TO 4240 ft, DRILLED FLOAT COLLAR AT 4148 ft, DRILLED SHOE AT	INT	DIR	CSG/CEMENT	DRILL W/ MUD	No
12:30	16:45	4.25	4,240	4,704	ROTATE/SLIDE DRILL FROM 4,240 ft TO 4,704, AT 464 fph ROTATE DRILL: 451 ft IN 4.00 hrs. AT 112.8 fph AVERAGE ROP. SLIDE DRILL: 13 ft. IN .25 hrs. AT 52 fph AVERAGE ROP. ROTATE 94.12%, SLIDE 5.88% (FULL RETURNS)	PROD	DIR	DRILL	DRILL W/ MUD	No
16:45	17:15	0.50	4,704	4,704	SERVICE RIG	PROD	DIR	DRILL	LUBRICATE RIG	No
17:15	05:00	11.75	4,704	5,840	ROTATE/SLIDE DRILL FROM 4,704 ft TO 5,840, AT 96.6 fph ROTATE DRILL: 1030 ft IN 9.00 hrs. AT 114.4 fph AVERAGE ROP. SLIDE DRILL: 106 ft. IN 2.75 hrs. AT 38.5 fph AVERAGE ROP. ROTATE 90 %, SLIDE 10 % (FULL RETURNS)	PROD	DIR	DRILL	DRILL W/ MUD	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/20/2017
Report Number: 9
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 5
End MD (ftKB): 7,133
Depth Progress (ft): 1,293
Planned VS (ft): 11,107
Current VS (ft): 637
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary

Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH	Proposed TD (ftKB) 17,827
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Status at Report Time
BUILDING CURVE AT 7,133 ft

Operations Summary

ROTATE/SLIDE DRILL FROM 5,840 ft TO 7,007 ft , 1,167 ft AT 81.9 fph (KOP) , ROTATE/SLIDE DRILL
BUILD CURVE FROM 7,007 ft TO 7,133 ft , 126 ft AT 17.3 fph
1 HOUR RIG SERVICE , 1.50 NPT C/O 2 in BLEED OFF VALVE

LAST SURVEY: DEPTH- 7,052, INC- 7.60°, AZ- 179.70 , TVD- 6993.06, VS: 637.07 , AHEAD 12', RIGHT
1', TEMP 122°

MW- 9.2- VIS- 53

NEW TARGET CHANGE AT 18:42 TL # 2 ; 7637' KBTVD @ 0' VS w/ 92.00 INC

BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017

NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)

Planned Operations

BUILD CURVE.

Start MD (ftKB) 5,840	End MD (ftKB) 7,133	Depth Progress (ft) 1,293	Drilling Time (hr) 21.50	Avg ROP (ft/hr) 60.1
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Time Log

Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	07:45	2.75	5,840	6,029	ROTATE/SLIDE DRILL FROM 5,840 ft TO 6,029, AT 68.7 fph ROTATE DRILL: 169 ft IN 1.75 hrs. AT 96.6 fph AVERAGE ROP. SLIDE DRILL: 20 ft. IN 1 hrs. AT 20 fph AVERAGE ROP. ROTATE 89.4%, SLIDE 10.6% (FULL RETURNS)	PROD	DIR	DRILL	DRILL W/ MUD	No
07:45	08:45	1.00	6,029	6,029	SERVICE RIG	PROD	DIR	DRILL	LUBRICATE RIG	No
08:45	17:00	8.25	6,029	6,699	ROTATE/SLIDE DRILL FROM 6,029 ft TO 6,699, AT 81.2 fph ROTATE DRILL: 630 ft IN 7.00 hrs. AT 90.0 fph AVERAGE ROP. SLIDE DRILL: 40 ft. IN 1.25 hrs. AT 32.0 fph AVERAGE ROP. ROTATE 94%, SLIDE 6% (FULL RETURNS)	PROD	DIR	DRILL	DRILL W/ MUD	No
17:00	18:30	1.50	6,699	6,699	LOST 200 lbs psi , SURFACE TEST FOUND 2 in BLEED OFF WAS WASHED , C/O 2 in BLEED OFF VALVE	PROD	DIR	DRILL	REPAIR RIG	Yes
18:30	21:45	3.25	6,699	7,007	ROTATE/SLIDE DRILL FROM 6,699 ft TO 7,007, AT 94.7 fph ROTATE DRILL: 308 ft IN 3.25 hrs. AT 94.7 fph AVERAGE ROP. SLIDE DRILL: 0 ft. IN 0 hrs. AT 0 fph AVERAGE ROP. ROTATE 100 %, SLIDE 0 % (FULL RETURNS) (KOP)	PROD	DIR	DRILL	DRILL W/ MUD	No
21:45	05:00	7.25	7,007	7,133	ROTATE/SLIDE DRILL BUILD CURVE FROM 7,007 ft TO 7,133, AT 17.3 fph ROTATE DRILL: 0 ft IN 0 hrs. AT 0 fph AVERAGE ROP. SLIDE DRILL: 126 ft. IN 7.25 hrs. AT 17.3fph AVERAGE ROP. ROTATE 0 %, SLIDE 17.3 % (FULL RETURNS)	PROD	CURVE	DRILL	DRILL W/ MUD	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/21/2017
Report Number: 10
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 6
End MD (ftKB): 7,625
Depth Progress (ft): 492
Planned VS (ft): 11,107
Current VS (ft): 862
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH			Proposed TD (ftKB) 17,827				
Status at Report Time BUILDING CURVE AT 7,625 ft										
Operations Summary ROTATE/SLIDE DRILL BUILD CURVE FROM 7,133 ft TO 7,625 ft , 492 ft AT 25.9 fph 1/2 HOUR RIG SERVICE TARGET CHANGE AT 16:37 , TL # 3 ; 7697" KBTVD @ 0' VS w/ 94.00 INC LAST SURVEY: DEPTH- 7,523, INC- 50.50°, AZ- 179.3 , TVD- 7392.89, VS: 862.04, AHEAD 3.6', LEFT 2', TEMP 129° MW- 9.4- VIS- 53 BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017 NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)				Planned Operations BUILD CURVE						
Start MD (ftKB) 7,133		End MD (ftKB) 7,625		Depth Progress (ft) 492		Drilling Time (hr) 23.50		Avg ROP (ft/hr) 20.9		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	14:30	9.50	7,133	7,353	ROTATE/SLIDE DRILL BUILD CURVE FROM 7,133 ft TO 7,353, AT 23.1 fph ROTATE DRILL: 0 ft IN 0 hrs. AT 0 fph AVERAGE ROP. SLIDE DRILL: 220 ft. IN 9.5 hrs. AT 23.1 fph AVERAGE ROP. ROTATE 0 %, SLIDE 100 % (FULL RETURNS)	PROD	CURVE	DRILL	DRILL W/ MUD	No
14:30	15:00	0.50	7,353	7,353	SERVICE RIG	PROD	CURVE	DRILL	LUBRICATE RIG	No
15:00	05:00	14.00	7,353	7,625	ROTATE/SLIDE DRILL BUILD CURVE FROM 7,353 ft TO 7,625, AT 19.2 fph ROTATE DRILL: 12 ft IN .50 hrs. AT 24 fph AVERAGE ROP. SLIDE DRILL: 260 ft. IN 13.50 hrs. AT 19.2 fph AVERAGE ROP. ROTATE 4 %, SLIDE 96 % (FULL RETURNS)	PROD	CURVE	DRILL	DRILL W/ MUD	No



PERMIAN RESOURCES, LLC UL Daily Drilling Partner Summary

UNIVERSITY 11 RE 932HA PRES WELL NO. 156

Report End Date: 4/22/2017
Report Number: 11
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 7
End MD (ftKB): 8,676
Depth Progress (ft): 1,051
Planned VS (ft): 11,107
Current VS (ft): 1,826
AFE Number: 1550466

API 42383398290000	Surface Legal Location SURVEY, A-U246, BLOCK 11	Latitude 31.2138700000	Longitude -101.5045900000	Orig KB El... 2,687.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary

Well Spud Date 3/28/2017	Total Depth Date	Rig Release Date	Target Formation WFMPB0_228_SH	Proposed TD (ftKB) 17,827
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Status at Report Time
DRILLING 8 3/4 LATERAL AT 8,676 ft

Operations Summary

ROTATE/SLIDE DRILL BUILD CURVE FROM 7,625 ft TO 8,236 ft , 611 ft AT 33.9 fph (EOC) , DRILL 8 3/4 in. PRODUCTION LATERAL FROM 8,236 ft. TO 8,676 ft.440 ft. AT 80.0 fph , SERVICE RIG

LAST SURVEY: DEPTH- 8,530, INC- 93.3°, AZ- 181.8 , TVD- 7567.51, VS: 1826.49, AHEAD 2.5',RIGHT 0.5', TEMP 136°

MW- 9.5- VIS- 50

BIG RIG SPUD DATE: 08:30 hrs ON 04-15-2017
NEXT WELL: UNIVERSITY 11 RE 931HS (WALK)

Planned Operations

DRILL PRODUCTION LATERAL TO +/- 17,827

Start MD (ftKB) 7,625	End MD (ftKB) 8,676	Depth Progress (ft) 1,051	Drilling Time (hr) 23.50	Avg ROP (ft/hr) 44.7
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Time Log

Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	17:00	12.00	7,625	8,015	ROTATE/SLIDE DRILL BUILD CURVE FROM 7,625 ft TO 8,015 AT 32.5 fph ROTATE DRILL: 190 ft IN 3.5 hrs. AT 54.2 fph AVERAGE ROP. SLIDE DRILL: 200 ft. IN 8.5 hrs. AT 23.5 fph AVERAGE ROP. ROTATE 48%, SLIDE 52% (FULL RETURNS)	PROD	CURVE	DRILL	DRILL W/ MUD	No
17:00	17:30	0.50	8,015	8,015	SERVICE RIG	PROD	CURVE	DRILL	LUBRICATE RIG	No
17:30	23:30	6.00	8,015	8,236	ROTATE/SLIDE DRILL BUILD CURVE FROM 8,015 ft TO 8,236 AT 36.8 fph ROTATE DRILL: 132 ft IN 2.25 hrs. AT 58.6 fph AVERAGE ROP. SLIDE DRILL: 89 ft. IN 3.75 hrs AT 23.7 fph AVERAGE ROP .ROTATE 59%, SLIDE 41% (FULL RETURNS) (EOC)	PROD	CURVE	DRILL	DRILL W/ MUD	No
23:30	05:00	5.50	8,236	8,676	ROTATE/SLIDE DRILL PRODUCTION LATERAL FROM 8,236 ft TO 8,676 AT 90.0 fph ROTATE DRILL: 414 ft IN 4.50 hrs. AT 92.0 fph AVERAGE ROP. SLIDE DRILL: 26 ft. IN 1.00 hrs AT 26.0 fph AVERAGE ROP .ROTATE 94%, SLIDE 6 % (FULL RETURNS) (EOC)	PROD	LAT	DRILL	DRILL W/ MUD	No