

Well Details									
Name: University 8-4 9H		API #: 42-3-47585		Operator: Piedra Resources		Days From Spud: 0			
Lease: University Lands		Field: Spraberry (Trend Area)			Formation: Wolfcamp - Spraberry				
County: ANDREWS, TX		MD:		TVD:	NRI: -- / --	WI: -- / --			
Project Details									
Name: University 8-4 9H - Drilling				Contractor:		Type: Drilling			
Start: 01/18/2018		End: 03/01/2018		Total Days: 42		Remaining Days: 35			
Thursday, January 25, 2018									
Daily Cost:	\$43,255.00		Project Cost:	\$479,178.00		Budget:	\$7,781,450.00	Burned:	6.16%
Present Depth:		0	Daily Footage:	0.00	Hours Drilling:	00:00			
Present Ops		Evaluate Hole							
Summary		Continue TOH w/ BHA. LD DC & break bit. PU 2 7/8" tbg, PU whipstock. Service rig. Orient whipstock. TIH w/ whipstock assembly, space out. RU wireline & run gyro. Orient whipstock, set whipstock.to 346.73. TOH w/ gyro. RD wireline. Top whipstock @ 8950'.							
Time Log									
From	To	Dur	Prod	Time Code	Comments				
06:00	10:00	04:00	Y	Trips	Continue TOH.				
10:00	11:30	01:30	Y	Trips	LDDC & break bit.				
11:30	15:00	03:30	Y	Trips	PU tbg & whipstock & TIH.				
15:00	15:30	00:30	Y	Lubricate and Service Rig	Service rig				
15:30	16:00	00:30	Y	Trips	Orient whipstock				
16:00	01:00	09:00	Y	Trips	TIH & space out whipstock				
01:00	04:30	03:30	Y	Wire Line Logs	RU wireline & run gyro, Orient whipstock, RD wireline				
04:30	06:00	01:30		Other	Set whipstock @ 8939'				

Well Details				
Name: University 8-4 9H		API #: 42-3-47585	Operator: Piedra Resources	
Lease: University Lands		Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry
County: ANDREWS, TX		MD:	TVD:	NRI: -- / --
WI: -- / --				
Project Details				
Name: University 8-4 9H - Drilling			Contractor:	Type: Drilling
Start: 01/18/2018		End: 03/01/2018		Total Days: 42
				Remaining Days: 34

Friday, January 26, 2018							
Daily Cost:	\$173,235.00	Project Cost:	\$652,413.00	Budget:	\$7,781,450.00	Burned:	8.38%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		
Present Ops	Drill Production Hole						
Summary	RU cementers, pmp 15 bbl spacer & cmt whipstock w/ 230 sx 15# Neocmt & displace w/ 147 bbl FW. TOH w/ 9 stds DP. Circ btms up. TOH w/ BHA #2 & LD whipstock tools. PU BHA #3 & directional tools. Service rig. FIH w/ BHA #3, fill DP every 30 std, wash 30' to whipstock. Slide drl 8938-8990' (51' in 7.3 hrs). WOB 30, Diff 100, displace hole w/ OBM while drilling. Circ btms up, slug DP. TOH w/ BHA #3. Brk bit.						

Time Log					
From	To	Dur	Prod	Time Code	Comments
06:00	07:30	01:30	Y	Run Casing and Cement	Cmt whipstock w/ 230 sx
07:30	08:30	01:00	Y	Trips	TOH w/ 9 stds
08:30	09:00	00:30	Y	Condition Mud and Circulate	Circ
09:00	12:30	03:30	Y	Trips	TOH & LD whipstock tools
12:30	14:00	01:30	Y	Trips	PU BHA #3 & directional tools
14:00	14:30	00:30	Y	Lubricate and Service Rig	Service rig
14:30	18:00	03:30	Y	Trips	TIH w/ BHA #3, fill pipe every 30 stds, wash 30' to top of whipstock
18:00	01:00	07:00	Y	Drill Sliding	Slide drill 8938-8990', displace hole w/ OBM while drilling
01:00	02:00	01:00	Y	Condition Mud and Circulate	Circ btms up,slug DP
02:00	06:00	04:00	Y	Trips	TOH w/ BHA #3

Well Details									
Name: University 8-4 9H		API #: 42-3-47585		Operator: Piedra Resources		Days From Spud: 1			
Lease: University Lands		Field: Spraberry (Trend Area)			Formation: Wolfcamp - Spraberry				
County: ANDREWS, TX		MD:		TVD:	NRI: -- / --	WI: -- / --			
Project Details									
Name: University 8-4 9H - Drilling				Contractor:		Type: Drilling			
Start: 01/18/2018		End: 03/01/2018		Total Days: 42		Remaining Days: 33			
Saturday, January 27, 2018									
Daily Cost:	\$58,277.00		Project Cost:	\$710,690.00		Budget:	\$7,781,450.00	Burned:	9.13%
Present Depth:		0	Daily Footage:	0.00	Hours Drilling:	00:00			
Present Ops		Drill Production Hole							
Summary		Mu bit #2 & TIH to 5431'. Cut & slip drl line. Service rig. Continue TIH to 8934'. Troubleshoot MWD. Orient tools & slide through whipstock. Rotate 8950-9010'. Slide 9010-9240'							
Time Log									
From	To	Dur	Prod	Time Code		Comments			
06:00	09:00	03:00	Y	Trips		TIH W/ BHA #4 to 5431'			
09:00	10:00	01:00	Y	Cut Off Drill line		Cut & slip drl line			
10:00	10:30	00:30	Y	Lubricate and Service Rig		Service rig			
10:30	12:00	01:30	Y	Trips		Continue TIH w/ BHA #4			
12:00	13:00	01:00		Other		Troubleshoot MWD			
13:00	13:30	00:30		Other		Orient tools & slide through whipstock			
13:30	14:00	00:30	Y	Drill Rotating		Drl 8990-9010'			
14:00	06:00	16:00	Y	Drill Sliding		Slide 9010-9240' (230' @ 14.3'/hr) WOB 15K, SPM 172, GPM 604. PP2722, Diff 200, TF 20L			

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources		Days From Spud: 2
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details				
Name: University 8-4 9H - Drilling	Contractor:		Type: Drilling	
Start: 01/18/2018	End: 03/01/2018	Total Days: 42	Remaining Days: 32	

#### Sunday, January 28, 2018

Daily Cost:	\$39,878.00	Project Cost:	\$750,568.00	Budget:	\$7,781,450.00	Burned:	9.65%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		
Present Ops	Drill Production Hole						
Summary	Slide 9240-9318'. Service rig. Slide 9318-9650'. Rotate 9650-9660'. Slide 9660-9675'.						

Time Log					
From	To	Dur	Prod	Time Code	Comments
06:00	11:00	05:00	Y	Drill Sliding	Drl 9240-9318'
11:00	11:30	00:30	Y	Lubricate and Service Rig	Service rig
11:30	04:30	17:00	Y	Drill Sliding	Drl 9318-9650'
04:30	05:00	00:30	Y	Drill Rotating	Drl 9650-9660'
05:00	06:00	01:00	Y	Drill Sliding	Drl 9660-9675'

Well Details									
Name: University 8-4 9H				API #: 42-3-47585		Operator: Piedra Resources			Days From Spud: 3
Lease: University Lands				Field: Spraberry (Trend Area)				Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX				MD:		TVD:		NRI: -- / --	WI: -- / --
Project Details									
Name: University 8-4 9H - Drilling					Contractor:			Type: Drilling	
Start: 01/18/2018			End: 03/01/2018			Total Days: 42		Remaining Days: 31	
Monday, January 29, 2018									
Daily Cost:	\$60,431.00			Project Cost:	\$810,999.00		Budget:	\$7,781,450.00	
							Burned:	10.42%	
Present Depth:		9,675		Daily Footage:	0.00		Hours Drilling:	00:00	
Present Ops		Drill Production Hole							
Summary		Slide/rotate 9675-10547'							
Time Log									
From	To	Dur	Prod	Time Code		Comments			
06:00	13:30	07:30	Y	Drill Sliding		Drl sliding/rotating 9675-9885			
13:30	14:00	00:30	Y	Lubricate and Service Rig		Service rig			
14:00	06:00	16:00	Y	Drill Sliding		Drl sliding/rotating 9885-10547			

Well Details					
Name: University 8-4 9H		API #: 42-3-47585	Operator: Piedra Resources		
Lease: University Lands		Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX		MD:	TVD:	NRI: -- / --	
				WI: -- / --	
Project Details					
Name: University 8-4 9H - Drilling			Contractor:		Type: Drilling
Start: 01/18/2018		End: 03/01/2018		Total Days: 42	Remaining Days: 30

**Tuesday, January 30, 2018**

Daily Cost:	\$33,645.00	Project Cost:	\$844,644.00	Budget:	\$7,781,450.00	Burned:	10.85%
Present Depth:	10,829	Daily Footage:	0.00	Hours Drilling:	00:00		
Present Ops	Drill Production Hole						
Summary	Drl sliding/rotating 10547-10829'. Motor failed. Circ & condition mud. TOH w/ BHA #4. LD bit, motor. PU bit #3, motor, velocity tool & TIH. Service rig.TIH, fill every 30 stds. Wash & ream 9000-9660'.						

Time Log					
From	To	Dur	Prod	Time Code	Comments
06:00	10:30	04:30	Y	Drill Sliding	Drl sliding/rotating 10547-10829'.
10:30	12:30	02:00	Y	Condition Mud and Circulate	Circ & condition mud
12:30	18:00	05:30	Y	Trips	TOH w/ BHA #4
18:00	19:00	01:00	Y	Trips	LD bit & motor, velocity tool.
19:00	20:30	01:30	Y	Trips	PU bit #3, BHA #5 & TIH
20:30	21:30	01:00	Y	Trips	TIH
21:30	22:00	00:30	Y	Lubricate and Service Rig	Service rig
22:00	03:30	05:30	Y	Trips	TIH
03:30	04:00	00:30	Y	Trips	Wake up MWD tool
04:00	06:00	02:00	Y	Trips	Wash & ream 9000-9660'

Well Details								
Name: University 8-4 9H			API #: 42-3-47585		Operator: Piedra Resources		Days From Spud: 5	
Lease: University Lands			Field: Spraberry (Trend Area)			Formation: Wolfcamp - Spraberry		
County: ANDREWS, TX			MD:		TVD:	NRI: -- / --	WI: -- / --	
Project Details								
Name: University 8-4 9H - Drilling				Contractor:		Type: Drilling		
Start: 01/18/2018		End: 03/01/2018			Total Days: 42		Remaining Days: 29	
Wednesday, January 31, 2018								
Daily Cost:	\$96,944.00		Project Cost:	\$941,588.00	Budget:	\$7,781,450.00	Burned:	12.10%
Present Depth:		13,019	Daily Footage:	2,190.00	Hours Drilling:	21:00		
Present Ops		Drill Production Hole						
Summary		Wash & ream to 10829. Drl rotating/sliding 10829-13019' in 21 hrs.						
Time Log								
From	To	Dur	Prod	Time Code		Comments		
06:00	09:00	03:00	Y	Drill Rotating		Wash & ream to bottom, 10829'		
09:00	06:00	21:00	Y	Drill Sliding		Drl sliding/rotating 10829-13019'		

Well Details								
Name: University 8-4 9H		API #: 42-3-47585		Operator: Piedra Resources		Days From Spud: 6		
Lease: University Lands		Field: Spraberry (Trend Area)			Formation: Wolfcamp - Spraberry			
County: ANDREWS, TX		MD:		TVD:	NRI: -- / --	WI: -- / --		
Project Details								
Name: University 8-4 9H - Drilling				Contractor:		Type: Drilling		
Start: 01/18/2018		End: 03/01/2018		Total Days: 42		Remaining Days: 28		
Thursday, February 01, 2018								
Daily Cost:	\$149,749.00		Project Cost:	\$1,091,337.00		Budget:	\$7,781,450.00	
						Burned:	14.02%	
Present Depth:		15,565	Daily Footage:	2,546.00	Hours Drilling:	00:00		
Present Ops		Drill Production Hole						
Summary		Drl sliding/rotating 13019-15565'						
Time Log								
From	To	Dur	Prod	Time Code		Comments		
06:00	06:00	24:00	Y	Drill Sliding		Drl sliding/rotating 13019-15565'		



Well Details				
Name: University 8-4 9H		API #: 42-3-47585	Operator: Piedra Resources	
Lease: University Lands		Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Drilling		Contractor:		Type: Drilling
Start: 01/18/2018	End: 03/01/2018		Total Days: 42	Remaining Days: 27

## Friday, February 02, 2018

Daily Cost:	\$109,927.00		Project Cost:	\$1,201,264.00	Budget:	\$7,781,450.00	Burned:	15.44%
Present Depth:	16,933		Daily Footage:	1,368.00	Hours Drilling:	16:00		
Present Ops	Drill Production Hole							
Summary	Drl sliding/rotating 15565-15948'. Circ & condition mud to clean hole. Drl sliding/rotating 1549-16933'. Circ hole. TOH for new bit.							

Time Log					
From	To	Dur	Prod	Time Code	Comments
06:00	12:00	06:00	Y	Drill Sliding	Drl sliding/rotating 15565-15948'.
12:00	15:00	03:00	Y	Condition Mud and Circulate	Circ & condition mud, clean up hole.
15:00	01:00	10:00	Y	Drill Sliding	Drl sliding/rotating 15948-16933'.
01:00	05:00	04:00	Y	Condition Mud and Circulate	Circ & condition mud for trip for new bit.
05:00	06:00	01:00	Y	Trips	TOH.

Well Details					
Name: University 8-4 9H		API #: 42-3-47585	Operator: Piedra Resources		
Lease: University Lands		Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX		MD:	TVD:	NRI: -- / --	
		WI: -- / --			
Project Details					
Name: University 8-4 9H - Drilling			Contractor:		Type: Drilling
Start: 01/18/2018		End: 03/01/2018		Total Days: 42	Remaining Days: 26

## Saturday, February 03, 2018

Daily Cost:	\$82,646.00	Project Cost:	\$1,283,910.00	Budget:	\$7,781,450.00	Burned:	16.50%
Present Depth:	17,185	Daily Footage:	252.00	Hours Drilling:	04:00		
Present Ops	Drill Production Hole						
Summary	Tripped for new bit & motor. Sliip & cut drl line. Slide/ rotate 16933-17185'.						

Time Log					
From	To	Dur	Prod	Time Code	Comments
06:00	14:30	08:30	Y	Trips	TOH, LD bit #5, motor & velocity tool
14:30	16:00	01:30	Y	Trips	PU bit #6, motor & velocity tool
16:00	19:30	03:30	Y	Trips	TIH w/ 21 stds, PU agitator, test
19:30	21:00	01:30	Y	Cut Off Drill line	Slip & cut drl line
21:00	01:30	04:30	Y	Trips	TIH to 16800', fill every 30 stds
01:30	02:00	00:30	Y	Reaming	Wash & ream to 16933'
02:00	06:00	04:00	Y	Drill Sliding	Drl sliding/rotating 16933-17185

Well Details				
Name: University 8-4 9H		API #: 42-3-47585	Operator: Piedra Resources	
Lease: University Lands		Field: Spraberry (Trend Area)		Days From Spud: 9
County: ANDREWS, TX		Formation: Wolfcamp - Spraberry		
MD:		TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Drilling		Contractor:		Type: Drilling
Start: 01/18/2018	End: 03/01/2018		Total Days: 42	Remaining Days: 25

Sunday, February 04, 2018							
Daily Cost:	\$75,772.00		Project Cost:	\$1,359,682.00	Budget:	\$7,781,450.00	Burned: 17.47%
Present Depth:		18,277	Daily Footage:	1,092.00	Hours Drilling:	16:30	
Present Ops		Drill Production Hole					
Summary		Slide/rotate 17183-18039'. Blew hole in kelly hose, replace same. Slide/rotate 18039-18277'.					
Time Log							
From	To	Dur	Prod	Time Code	Comments		
06:00	20:30	14:30	Y	Drill Sliding	Drl sliding/rotating 17183-18039'		
20:30	04:00	07:30		Repair Rig	Blew hole in kelly hose, replace same.		
04:00	06:00	02:00	Y	Drill Sliding	Drl sliding/rotating 18039-18277'		

Well Details							
Name: University 8-4 9H		API #: 42-3-47585		Operator: Piedra Resources		Days From Spud: 10	
Lease: University Lands		Field: Spraberry (Trend Area)			Formation: Wolfcamp - Spraberry		
County: ANDREWS, TX		MD:		TVD:	NRI: -- / --	WI: -- / --	
Project Details							
Name: University 8-4 9H - Drilling				Contractor:		Type: Drilling	
Start: 01/18/2018		End: 03/01/2018		Total Days: 42		Remaining Days: 24	
Monday, February 05, 2018							
Daily Cost:	\$180,571.00		Project Cost:	\$1,540,253.00	Budget:	\$7,781,450.00	Burned: 19.79%
Present Depth:	19,183	Daily Footage:	906.00	Hours Drilling:	12:00		
Present Ops	Drill Production Hole						
Summary	Slide/rotate 18277-19183'. Circ & condition mud to clean up hole						
Time Log							
From	To	Dur	Prod	Time Code	Comments		
06:00	18:00	12:00	Y	Drill Sliding	Slide/rotate 18277-19183'		
18:00	06:00	12:00	Y	Condition Mud and Circulate	Circulate and condition mud to clean hole		

Well Details							
Name: University 8-4 9H		API #: 42-3-47585		Operator: Piedra Resources		Days From Spud: 11	
Lease: University Lands		Field: Spraberry (Trend Area)			Formation: Wolfcamp - Spraberry		
County: ANDREWS, TX		MD:		TVD:	NRI: -- / --	WI: -- / --	
Project Details							
Name: University 8-4 9H - Drilling				Contractor:		Type: Drilling	
Start: 01/18/2018		End: 03/01/2018		Total Days: 42		Remaining Days: 23	
Tuesday, February 06, 2018							
Daily Cost:	\$49,563.00		Project Cost:	\$1,589,816.00	Budget:	\$7,781,450.00	Burned: 20.43%
Present Depth:	19,183	Daily Footage:	0.00	Hours Drilling:	00:00		
Present Ops		Set & Cement Production Casing					
Summary		Continue circulate too clean wellbore. TOH & LDDP & BHA.					
Time Log							
From	To	Dur	Prod	Time Code	Comments		
06:00	02:30	20:30	Y	Trips	TOH & LDDP		
02:30	03:00	00:30	Y	Trips	LD directional tools		
03:00	05:00	02:00		Other	RU CRT, torque turn & casing crew.		
05:00	06:00	01:00	Y	Run Casing and Cement	Make up shoe track & pump through it.		

Well Details				
Name: University 8-4 9H		API #: 42-3-47585	Operator: Piedra Resources	
Lease: University Lands		Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry
County: ANDREWS, TX		MD:	TVD:	NRI: -- / --
WI: -- / --				
Project Details				
Name: University 8-4 9H - Drilling			Contractor:	Type: Drilling
Start: 01/18/2018		End: 03/01/2018		Total Days: 42
				Remaining Days: 22

## Wednesday, February 07, 2018

Daily Cost:	\$457,468.00	Project Cost:	\$2,047,284.00	Budget:	\$7,781,450.00	Burned:	26.31%
Present Depth:	19,183	Daily Footage:	0.00	Hours Drilling:	00:00		
Present Ops	Set & Cement Production Casing						
Summary	Run 5 1/2", 20# HCP-110, TCBC-HT to 19183'. RD crt tool.csg crew, LD machine, RU Halliburton cmt head. Rupture disk on flotation collar w/ 1600 psi, pmp 1/2 casing capacity, drop indicator plug, pmp 1 1/2 csg capacity. Test lines to 5000 psi, cmt as follows: 20 bbl spacer, mud clean 111, 640 sx, 9.0 ppg, 3.499 yield lead, 100 sx, 14.5 ppg, 2.159 yield cmt tail, drop plug, clean lines. Displace w/ 20 bbl sugar water & 190 bbls FW.						

Time Log					
From	To	Dur	Prod	Time Code	Comments
06:00	22:30	16:30	Y	Run Casing and Cement	Run 5 1/2" 20# HCP-110.
22:30	23:30	01:00	Y	Run Casing and Cement	RD csg crew, RU Halliburton cmt head
23:30	02:00	02:30		Other	Circ 2 times csg volume
02:00	06:00	04:00	Y	Run Casing and Cement	Cmt w/ 640 sx lead, 9.0 ppg, yield 3.499, tail 100 sx 14.5 ppg, yield 2.159. Drop plug. Begin flush w/ 20 bbl sugar water, 190 bbls FW.

Well Details							
Name: University 8-4 9H		API #: 42-3-47585		Operator: Piedra Resources		Days From Spud: 13	
Lease: University Lands		Field: Spraberry (Trend Area)			Formation: Wolfcamp - Spraberry		
County: ANDREWS, TX		MD:		TVD:		NRI: -- / -- WI: -- / --	
Project Details							
Name: University 8-4 9H - Drilling				Contractor:		Type: Drilling	
Start: 01/18/2018		End: 03/01/2018		Total Days: 42		Remaining Days: 21	
Thursday, February 08, 2018							
Daily Cost:	\$209,555.00	Project Cost:	\$2,256,839.00	Budget:	\$7,781,450.00	Burned:	29.00%
Present Depth:	19,183	Daily Footage:	0.00	Hours Drilling:	00:00		
Present Ops	Demobilize Rig						
Summary	Finish cne displacement, bump plug w/ 423 bbls, 10 1300 psi, Press up[ to 1820 psi, float held OK. Circ 192 sx cmt. Set slips.Cut 5 1/2" rough cut, RD BOP Made final cut on 5 1/2" csg. Install 11" x 7 1/16" 5m tbg head.						
Time Log							
From	To	Dur	Prod	Time Code	Comments		