

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 117	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 34

Friday, May 18, 2018

Daily Cost:	\$100,367.00	Project Cost:	\$100,367.00	Budget:	\$604,627.00	Burned:	16.60%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	Well Maintenance
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Summary
 Install 10k tubing head, frac stack & flowback. Tested stack to 9500 psig. OK. RU water transfer & fill frac tanks. Treat tanks with biocide. RU Bosque acid crew & pum down trucks. Test csg to 5700 psig for 15 min, OK. Raise pressure to 8500 psig & toe sleeve did not open. Raise pressure to 9300 psig & toe sleeve opened. Pressure declined to 5800 psig. Pump water 18 BPM @ 8900 psig. Switch to acid, pump 2000 gals 15% NE_FE HCL. Flush w/ 440 bbls @ 20 BPM. RU United wireline & TIH w/ 8-2" guns with 5 SPF 120 degree phasing. PUm p down perf guns at 20 BPM @ 4600 psig @ 450' per minute. All guns fired, TOH & RD wireline. RD Bosque.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 123	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 28

Thursday, May 24, 2018

Daily Cost:	\$0.00	Project Cost:	\$100,367.00	Budget:	\$604,627.00	Burned:	16.60%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 122	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 29	

Wednesday, May 23, 2018

Daily Cost:	\$738,377.00	Project Cost:	\$838,744.00	Budget:	\$604,627.00	Burned:	138.72%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	Frac stage 1 w/ 12589 bbls + 351,403 # sand. AIR 81 BPM @ 7794 psig. Max rate 88 BPM, max press 9157 psig. ISIP 2109psig. Perf stage 2 18762-18917' (40 holes in 8 clusters). Frac stage 2 w/ 9479 bbls + 350,200 # sand. AIR 88 BPM @ 7906 psig. Max rate 91 BPM, max press 8546 psig. ISIP 2057 psig. Perf stage 3 18740-18589' (40 holes in 8 clusters). Frac stage 3 w/ 9534 bbls + 360,333 # sand. AIR 90 BPM @ 8075 psig. Max rate 92 BPM, max press 8514 psig. ISIP 2136 psig. Perf stage 4 18412-18562' (40 holes in 8 clusters).

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 123	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 28

Thursday, May 24, 2018

Daily Cost:	\$341,568.00	Project Cost:	\$1,180,312.00	Budget:	\$604,627.00	Burned:	195.21%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Frac stage 4 w/10115 bbls + 350353# sand. AIR 89 bpm @ 7857 psig. Max rate 89 BPM, max press 8252 psig. ISIP 2479 psig. Perf stage 5 18236-18392 (40 holes in 8 clusters). Frac stage 5 w/ 9496 bbls + 350567 # sand. AIR 87 BPM @ 8256 psig. Max rate 88 BPM, max press 8593 psig. ISIP 2380 psig. Perf stage 6 18062-18217 (40 holes in 8 clusters). Frac stage 6 w/9421 bbls + 350116 # sand. AIR 87 BPM @ 8383 psig. Max rate 91 BPM, max press 8813 psig. ISIP 2513 psig. Perf stage 7 17886-18042 (40 holes in 8 clusters). Frac stage 7 w/ 9527 bbls + 358370# sand. AIR 88 BPM @ 8519 psig. Max rate 91 BPM, max press 8851 psig. ISIP 2524 psig. 70161 BLWTR.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 125	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 26

Saturday, May 26, 2018

Daily Cost:	\$363,368.00	Project Cost:	\$1,543,680.00	Budget:	\$604,627.00	Burned:	255.31%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 124	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 27	

Friday, May 25, 2018

Daily Cost:	\$382,368.00	Project Cost:	\$1,562,680.00	Budget:	\$604,627.00	Burned:	258.45%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Perf stage 8 17711-17868 (40 holes in 8 clusters).. During frac twisted drive line on blender in two. Shut down w/ approximately 40000# sand in wellbore. Hook up flowback equipment and flow well to pit. After 25 minutes began getting sand back, flowed for 2 hours. Last sample showed trace of sand. Repaired blenders while flowing back. Return to pumping, began at 5 BPM slowly building to 60 BPM, surged well with rate to help clean up wellbore. Pumped 50 bbl slug 0.25 ppg 40-70, well took it OK. Same with 0.50 ppg slug. Begin frac with 40-70 sand. With 1.25 ppg going into formation well began resisting sand, appears to begin screen out. Cut sand and displaced OK. Frac w/ 11438 bbls + 276711 # sand (74% of design). AIR 86 BPM @ 8356 psig. Max rate 87 BPM, max press 8737 psig. ISIP 2719 psig. Perf stage 9 17536-17692 (40 holes in 8 clusters), Frac w/9813 bbls + 358933 # sand. AIR 90 BPM @ 8405 psig. Max rate 91 BPM, max press 8851 psig. ISIP 2752 psig. Perf stage 10 17362-17517 (40 holes in 8 clusters). Frac w/ 9414 bbls + 354096# sand. AIR 89 BPM @ 8450 psig. Max rate 93 BPM, max press 9031 psig. ISIP 2543 psig. Perf stage 11 17186-17342 (40 holes in 8 clusters). Frac w/ 9416 bbls + 355837# sand. AIR 89 BPM @ 8391 psig. Max rate 90 BPM, max press 8808 psig. ISIP 2535 psig. 40081 BLWTR for today.

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 126	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 25

Sunday, May 27, 2018

Daily Cost:	\$449,360.00	Project Cost:	\$2,375,408.00	Budget:	\$604,627.00	Burned:	392.87%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 125	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 26	

Saturday, May 26, 2018

Daily Cost:	\$363,368.00	Project Cost:	\$1,926,048.00	Budget:	\$604,627.00	Burned:	318.55%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Perf stage 12 17012-17167 (40 holes in 8 clusters). Frac w/ 9151 bbls + 344585# sand. AIR 87 BPM @ 8206 psig. Max rate 90 BPM, max press 8842 psig. ISIP 2775 psig. Perf stage 13 16836-16992 (40 holes in 8 clusters). Frac w/ 9636 bbls + 360047# sand. AIR 90 BPM @ 8227 psig. Max rate 92 BPM, max press 8716 psig. ISIP 2421 psig. Perf stage 14 16661-16819 (40 holes in 8 clusters). Frac w/ 10103 bbls + 347722# sand. AIR 90 BPM @ 8258 psig. Max rate 91 BPM, max press 982 psig. ISIP 2451 psig. Perf stage 15 16486-16642 (40 holes in 8 clusters). Frac w/ 9317 bbls + 345093# sand. AIR 89 BPM @ 8198 psig. Max rate 91 BPM, max press 8904 psig. ISIP 2553 psig. Perf stage 16 16311-16466 (40 holes in 8 clusters). Frac w/9308 bbls + 346663# sand. AIR 89 BPM @ 7997 psig. Max rate 90 BPM, max press 8659 psig. ISIP 2515 psig. 47515 BLWTR today.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 126	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 25

Sunday, May 27, 2018

Daily Cost:	\$449,360.00	Project Cost:	\$2,375,408.00	Budget:	\$604,627.00	Burned:	392.87%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 127	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 24	

Monday, May 28, 2018

Daily Cost:	\$0.00	Project Cost:	\$2,375,408.00	Budget:	\$604,627.00	Burned:	392.87%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Ran perf guns for stage 17. Set plug at 16302, perf first set at 16268. Stuck guns. Work guns, finally coming up hole slowly, working the guns up and down. Wireline parted, leaving guns & about 30' of wireline in hole. WO coil tubing unit. RU Cudd coil tubing unit. RIH w/ wireline spear. Work spear in to 18', POH & recover a large wad of wireline.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 127	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 24

Monday, May 28, 2018

Daily Cost:	\$78,000.00	Project Cost:	\$2,453,408.00	Budget:	\$604,627.00	Burned:	405.77%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	Ran wireline spear on coil tubing stack out on top of fish. TOH & recover part of plug (ring). TIH w/ OS & coil tubing, stack out on fish, work on fish to engage OS. POH w/ coil tubing, no recovery. Will modify OS & attempt to get over fish.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 128	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 23	

Tuesday, May 29, 2018

Daily Cost:	\$79,900.00	Project Cost:	\$2,533,308.00	Budget:	\$604,627.00	Burned:	418.99%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Ran overshot with cut rite, motor jars on coil tubing. Engage fish, rotate over fish, pump pressure increased. Pull up & work fish from sand, set back down 6' high. TOH w/ coil tubing, fishing assembly & fish. Dragging about 6 points above string weight. In vertical section drag increased to 6 points then fell off. Continue TOH @ 30-40' per minute. When out of hole toll joint above overshot had backed off leaving original fish & overshot in hole. Will run spear to catch fish.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details

Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 129
Lease: University Lands	Field: Spraberry (Trend Area)	Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / -- WI: -- / --

Project Details

Name: University 8-4 9H - Completion	Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34 Remaining Days: 22

Wednesday, May 30, 2018

Daily Cost:	\$544,800.00	Project Cost:	\$3,078,108.00	Budget:	\$604,627.00	Burned:	509.09%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 129	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 22

Wednesday, May 30, 2018

Daily Cost:	\$544,800.00	Project Cost:	\$3,078,108.00	Budget:	\$604,627.00	Burned:	509.09%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary TIH w/ spear & coil tubing. Tag @ 6100', wash to 6700'. Set down solid. TOH w/ coil tubing & spear, no recovery but all tools full of sand. TIH w/ ported sub, agitator, spear on coil tubing. Wash through sand bridges 6100-6700' pumping sweeps & rec lots of sand. Continue washing down pumping sweeps to 16267'. TOH & LD tools & recover overshot leaving perf guns in hole. Will resume fracing and fish guns after frac completed with tubing.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 130	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 21	

Thursday, May 31, 2018

Daily Cost:	\$242,400.00	Project Cost:	\$3,320,508.00	Budget:	\$604,627.00	Burned:	549.18%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary RD Cudd coil unit. RU Wireline truck. Resume operations. Test lines, OK. Pump into well 65 BPM @ 7800 psig. Perf revised stage 17 16136-16225 (35 holes in 7 clusters. Frac w/ 11396 bbls + 350062# sand. AIR 84 BPM @ 7273 psig. Max rate 86 BPM, max press 8074 psig. ISIP 2829 psig. Perf stage 18 15961-16116 (40 holes in 8 clusters). Frac w/ 9394 bbls + 349976# sand. AIR 84 BPM @ 7372 psig. Max rate 85 BPM, max press 7772 psig. ISIP 2823 psig. TIH w/ plug & perf guns for stage 19.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 131	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 20	

Friday, June 01, 2018

Daily Cost:	\$518,158.00	Project Cost:	\$3,838,666.00	Budget:	\$604,627.00	Burned:	634.88%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Perf stage 19 15786-15942 (40 holes in 8 clusters). Frac w/ 9469 bbls + 353143# sand, AIR 85 BPM @ 7567 psig. Max rate 91 BPM, max press 9167 psig. ISIP 2684 psig. Perf stage 20 15612-15768 (40 holes in 8 clusters). Frac w/ 9326 bbls + 354714# sand. AIR 85 BPM @ 7328 psig. Max rate 85 BPM, max press 8918 psig. ISIP 2499 psig. Perf stage 21 15436-15592 (40 holes in 8 clusters). Frac w/ 9253 bbls + 355066# sand. AIR 84 BPM @ 7111 psig. Max rate 90 BPM, max press 8442 psig. ISIP 2556 psig. Perf stage 22 15261-15417 (40 holes in 8 clusters). Frac w/ 10939 bbls + 349274# sand. AIR 85 BPM @ 7226 psig. Max rate 87 BPM, max press 7827 psig. ISIP 2653 psig. Perf stage 23 15086-15241 (40 holes in 8 clusters). Frac 9257 bbls + 349484# sand. AIR 84 BPM @ 7292 psig. Max rate 86 BPM, max press 8199 psig. ISIP 2635 psig.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 132	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 19

Saturday, June 02, 2018

Daily Cost:	\$364,368.00	Project Cost:	\$4,203,034.00	Budget:	\$604,627.00	Burned:	695.14%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Perf stage 24 14912-15068 (40 holes in 8 clusters). Frac w/ 9204 bbls + 352367# sand. AIR 89 BPM @ 7323 psig. Max rate 91 BPM, max press 8067 psig. ISIP 2252 psig. Perf stage 25 14734-14892 (40 holes in 8 clusters). Frac w/ 8133 bbls + 259619# sand. AIR 89 BPM @ 7120 psig. Max rate 91 BPM, max press 8261 psig. ISIP 2358 psig. When 1.25 ppg 40-70 hit formation pressure increase 1300 psig. Cut sand to avoid screen out& displaced sand OK. Concern over casing integrity, ran gauge ring & junk basket, OK. Perf stage 26 14561-14716 (40 holes in 8 clusters). Frac w/ 9589 bbls + 350200# sand. AIR 85 BPM @ 7041 psig. Max rate 87 BPM, max press 8275 psig. ISIP 2478 psig. Perf stge 27 14386-14541 (40 holes in 8 clusters). Frac w/ 9239 bbls + 350268# sand. AIR 85 BPM @ 7000 psig. Max rate 86 BPM, max press 7726 psig. ISIP 2571 psig.

Time Log					
From	To	Dur	Prod	Time Code	Comments



Daily Summary - 6/3/2018

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 133	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 18	

Sunday, June 03, 2018

Daily Cost:	\$445,360.00	Project Cost:	\$4,648,394.00	Budget:	\$604,627.00	Burned:	768.80%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Perf stage 2814211-14367 (40 holes in 8 clusters). Frac w/ 9231 bbls + 352112# sand. AIR 85 BPM @ 6994 psig. Max rate 87 BPM, max press 8296 psig. ISIP 2455 psig. Perf stage 29 14036-14191 (40 holes in 8 clusters). Frac w/ 9195 bbls + 350794# sand. AIR 85 BPM @ 7136 psig. Max rate 86 BPM, max press 8386 psig. ISIP 3502 psig. Perf stage 30 13861-14016 (40 holes in 8 clusters). Frac w/ 9175 bbls + 350534# sand. AIR 85 BPM @ 7121 psig. Max rate 86 BPM, max press 8310 psig. ISIP 2647 psig. Perf stage 31 13686-13842 (40 holes in 8 clusters). Frac w/ 9182 bbls + 349748# sand. AIR 86 BPM @ 6738 psig. Max rate 87 BPM, max press 8130 psig. ISIP 2962 psig. Perf stage 32 13511-13667 (40 holes in 8 clusters). Frac w/ 9107 bbls + 350538# sand. AIR 85 BPM @ 6787 psig. Max rate 87 BPM, max press 9127 psig. ISIP 2849 psig.

Time Log

From	To	Dur	Prod	Time Code	Comments



Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 134	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 17	

Monday, June 04, 2018

Daily Cost:	\$445,360.00	Project Cost:	\$5,093,754.00	Budget:	\$604,627.00	Burned:	842.46%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Perf stage 33 13336-13491 (40 holes in 8 clusters). Frac w/ 9089 bbls + 352305# sand. AIR 85 BPM @ 6762 psig. Max rate 85 BPM, max press 905 psig. ISIP 2555 psig. Pef stage 34 13161-13316 (40 holes iin 8 clusters). Frac w/ 9115 bbls + 350583# sand. AIR 87 BPM @ 6745 psig. Max rate 87 BPM, max press 8307 psig. ISIP 2480 psig. TIH to perf stage 35, unable to perf, TOH. Found short in cable from truck to drum. Down 4 hours. Perf stage 35 12986-13141 (40 holes in 8 clusters). Frac w/ 9121 bbls + 350015# sand. AIR 85 BPM @ 6874 psig. Max rate 87 BPM, max press 8138 psig. ISIP 2840 psig. Perf stage 36 12812-12968 (40 holes in 8 clusters). Frac w/ 9085 bbls + 349221# sand. AIR 85 BPM @ 6880 psig. Max rate 86 BPM, max press 8111 psig. ISIP 2743 psig. Perf stage 37 12637-12792 (40 holes in 8 clusters). Frac w/ 9091 bbls + 350317# sand. AIR 85 BPM @ 6766 psig. Max rate 86 BPM, max press 8484 psig. ISIP 2561 psig.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 135	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 16	

Tuesday, June 05, 2018

Daily Cost:	\$1,056,704.00	Project Cost:	\$6,150,458.00	Budget:	\$604,627.00	Burned:	1,017.23%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Perf stage 38 12461-12615 (40 holes in 8 clusters). Frac w/ 9130 bbls + 350547# sand. AIR 85 BPM @ 6692 psig. Max rate 86 BPM, max press 8046 psig. ISIP 2420 psig. Perf stage 39 12286-12442 (40 holes in 8 clusters). Frac w/ 9085 bbls + 353646# sand. AIR 85 BPM @ 6597 psig. Max rate 87 BPM, max press 9306 psig. ISIP 2461 psig. Perf stage 40 12111-12267 (40 holes in 8 clusters). Frac w/ 9040 bbls + 350881# sand. AIR 85 BPM @ 6597 psig. Max rate 88 BPM, max press 8160 psig. ISIP 2326 psig. Perf stage 41 11936-12091 (40 holes in 8 clusters). Frac w/ 9081 bbls + 351088# sand. AIR 86 BPM @ 6465 psig. Max rate 88 BPM, max press 8427 psig. ISIP 2572 psig. Perf stage 42 11761-11917 (40 holes in 8 clusters). Frac w/ 9114 bbls + 350776# sand. AIR 85 BPM @ 6518 psig. Max rate 86 BPM, max press 8517 psig. ISIP 2520 psig. Perf stage 43 11586-11742 (40 holes in 8 clusters). Frac w/ 8984 bbls + 350958# sand. AIR 85 BPM @ 6402 psig. Max rate 87 BPM, max press 8436 psig. ISIP 2812 psig.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 136	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 15	

Wednesday, June 06, 2018

Daily Cost:	\$528,352.00	Project Cost:	\$6,678,810.00	Budget:	\$604,627.00	Burned:	1,104.62%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Perf stage 44 11411-11567 (40 holes in 8 clusters). Frac w/ 9081 bbls + 353163# sand. AIR 84 BPM @ 6257 psig. Max rate 86 BPM, max press 7261 psig. ISIP 2657 psig. Perf stage 45 11236-11391 (40 holes in 8 clusters). Frac w/ 9032 bbls + 350516# sand. AIR 85 BPM @ 6170 psig. Max rate 87 BPM, max press 7833 psig. ISIP 2548 psig. Perf stage 46 11061-11217 (40 holes in 8 clusters). Frac w/ 8993 bbls + 351647# sand. AIR 85 BPM @ 6237 psig. Max rate 87 BPM, max press 8544 psig. ISIP 2608 psig. Perf stage 47 10886-11041 (40 holes in 8 clusters). Frac w/ 8983 bbls + 350633# sand. AIR 87 BPM @ 6298 psig. Max rate 89 BPM, max press 8161 psig. ISIP 3013 psig. Perf stage 48 10711-10867 (40 holes in 8 clusters). Frac w/ 9002 bbls + 350487# sand. AIR 85 BPM @ 5959 psig. Max rate 86 BPM, max press 7940 psig. ISIP 2976 psig. Perf stage 49 10536-10691 (40 holes in 8 clusters). Frac w/ 9006 bbls + 350400# sand. AIR 85 BPM @ 5950 psig. Max rate 88 BPM, max press 8693 psig. ISIP 3173 psig.

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 137	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 14

Thursday, June 07, 2018

Daily Cost:	\$290,476.00	Project Cost:	\$6,969,286.00	Budget:	\$604,627.00	Burned:	1,152.66%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	Perf stage 50 10361-10517 (40 holes in 8 clusters). Frac w/ 8957 bbls+ 350133# sand. AIR 85 BPM @ 5806 psig. Max rate 87 BPM, max press 7686 psig. ISIP 2772 psig. Perf stage 51 10186-10342 (40 holes in 8 clusters). Frac w/ 8981 bbls + 350133# sand. AIR 84 BPM @ 5901 psig. Max rate 86 BPM, max press 8217 psig. ISIP 2804 psig. Perf stage 52 10011-10167 (40 holes in 8 clusters). Frac w/ 9077 bbls + 350133# sand. AIR 83 BPM @ 5900 psig. Max rate 86 BPM, max press 8160 psig. ISIP 2887 psig. Set capping plugs. ND frac stack, NU wellhead. RDMO United Wireline and ProPetro frac equipment.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 138	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 13

Friday, June 08, 2018

Daily Cost:	\$3,500.00	Project Cost:	\$6,972,786.00	Budget:	\$604,627.00	Burned:	1,153.24%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Cleaned and leveled location. RDMO sand silos.

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 142	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 9

Tuesday, June 12, 2018

Daily Cost:	\$41,585.00	Project Cost:	\$7,014,371.00	Budget:	\$604,627.00	Burned:	1,160.12%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	MIRU Basic 24 hr completion unit. Rack & tally 635 jts 2 7/8" PH-6 rental tubing. NU BOP. TIH w/ bit, dc & tubing. Drill out 1st capping plug, circ hole clean.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 143	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 8	

Wednesday, June 13, 2018

Daily Cost:	\$36,656.00	Project Cost:	\$7,051,027.00	Budget:	\$604,627.00	Burned:	1,166.18%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Drl out 2nd cap plug @ 9300'. Pump 5 bbl sweep, circ to surface. Tag plug # 1 @ 10175', drl out plug, circ. Wash down to plug #2 @ 10350, drl out plug, circ sweep to surface. Wash down to plug #3 @ 10525, drl out plug, circ sweep to surface. Wash down to plug #4 @ 10705, drl out plug, circ sweep to surf. Wash down to plug #5 @ 10875, drl plug, cir sweep to surf. Wash down to plug #6 @ 11050, drl plug & circ sweep to surf. Wash down to plug #7 @ 11225, drl plug & cir sweep to surf. Drag and friction too high. Having trouble with plug catcher, make short trip into vertical section while repair plug catcher. Will add friction reducer, beads & lub to mud system to lower friction.

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 143	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 8	

Wednesday, June 13, 2018

Daily Cost:	\$36,656.00	Project Cost:	\$7,051,027.00	Budget:	\$604,627.00	Burned:	1,166.18%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary
 Drl out 2nd cap plug @ 9300'. Pump 5 bbl sweep, circ to surface. Tag plug # 1 @ 10175', drl out plug, circ. Wash down to plug #2 @ 10350, drl out plug, circ sweep to surface. Wash down to plug #3 @ 10525, drl out plug, circ sweep to surface. Wash down to plug #4 @ 10705, drl out plug, circ sweep to surf. Wash down to plug #5 @ 10875, drl plug, cir sweep to surf. Wash down to plug #6 @ 11050, drl plug & circ sweep to surf. Wash down to plug #7 @ 11225, drl plug & cir sweep to surf. Drag and friction too high. Having trouble with plug catcher, make short trip into vertical section while repair plug catcher. Will add friction reducer, beads & lub to mud system to lower friction.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 146	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 5	

Saturday, June 16, 2018

Daily Cost:	\$39,702.00	Project Cost:	\$7,148,447.00	Budget:	\$604,627.00	Burned:	1,182.29%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Tag 11646, wash sand down to plug #10. Drl plug, circ to surf. Drl plugs # 11, 12, 13, 14, 15, 16, 17, 18, 19, 20. Circ & wash sand between plugs. WH pressure 400 psig. Oil cut from trace to 5%.

Time Log

From	To	Dur	Prod	Time Code	Comments



Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 147	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 4

Sunday, June 17, 2018

Daily Cost:	\$53,280.00	Project Cost:	\$7,201,727.00	Budget:	\$604,627.00	Burned:	1,191.10%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Drl out plugs #21, 22, 23, 24, 25, 26, 27, 28, 29, 30, & tag plug #31. Sand is less than before. Rig air compressor broke down, WO mechanic to replace. Had to rig up compressor off welding truck to TOH w/ 270 jts. WO replacement compressor.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 148	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 3

Monday, June 18, 2018

Daily Cost:	\$44,472.00	Project Cost:	\$7,246,199.00	Budget:	\$604,627.00	Burned:	1,198.46%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	Replace air compressor. TIH w/ tubing. Wash down to plug #31. Drl out plug #31, 32, 33, 34, 35, & 36. Wash down to top of fish @ 16268'. Tag fish, circ to surface.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 149	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 2	

Tuesday, June 19, 2018

Daily Cost:	\$53,260.00	Project Cost:	\$7,299,459.00	Budget:	\$604,627.00	Burned:	1,207.27%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary TOH w/ tbg, motor & bit. Repair rig. TIH w/ 4 1/2" OD shoe, extension w/ grapple, bumper sub, jars & tbg. Started taking weight at 14740, continue in hole pushing weight to 15340. Unable to go deeper. RU swivel, break circulation & start washing down.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 150	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 1

Wednesday, June 20, 2018

Daily Cost:	\$46,300.00	Project Cost:	\$7,345,759.00	Budget:	\$604,627.00	Burned:	1,214.92%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	Wash down 14740-16268. Pump sweep & work down to 16276 & stopped making hole. Circ to surface and had mild sand in returns. TOH to 9050 & kill well with brine. Continue TOH to fishing tools. No recovery. Inside of tools shiny, apparently had some plug pieces inside overshot.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 151	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/21/2018	Total Days: 34	Remaining Days: 0

Thursday, June 21, 2018

Daily Cost:	\$87,900.00	Project Cost:	\$7,433,659.00	Budget:	\$604,627.00	Burned:	1,229.46%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	PU & TIH w/ shoe with friction buttons on inside, extension, cross over & tubing. Started taking weight at 13200', rotate using tongs down to 14695'. RU power swivel & continue in hole. This AM washing down at 16000'.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 152	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/30/2018	Total Days: 43	Remaining Days: 8	

Friday, June 22, 2018

Daily Cost:	\$50,010.00	Project Cost:	\$7,483,669.00	Budget:	\$604,627.00	Burned:	1,237.73%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Circ & wash down to 16270, circ to surface. Wash down over fish to 16300, set down 25K on fish & stacked out. PU 5', & attempt to go down but will stack out. Do this 5 times with same results. Pump sweep to surface. TOH & set down every 10 stands, string taking weight. FOH & LD fishing assembly. No recovery. Bottom cut rite worn, friction buttons on inside of shoe extension indicates something was inside shoe 14". Prep to trip in hole w/ new shoe.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 153	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/30/2018	Total Days: 43	Remaining Days: 7

Saturday, June 23, 2018

Daily Cost:	\$48,707.00	Project Cost:	\$7,532,376.00	Budget:	\$604,627.00	Burned:	1,245.79%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	TIH w/ shoe, wash pipe, jars & tubing. Tag at 15990 & wash down to 16331. Night crew did not show up. Circ & rotate working pipe up and down throughout night. WO daylight crew to arrive to resume operations.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details

Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 154
Lease: University Lands	Field: Spraberry (Trend Area)	Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / -- WI: -- / --

Project Details

Name: University 8-4 9H - Completion	Contractor:	Type: Completion
Start: 05/18/2018	End: 06/30/2018	Total Days: 43 Remaining Days: 6

Sunday, June 24, 2018

Daily Cost:	\$53,181.00	Project Cost:	\$7,585,557.00	Budget:	\$604,627.00	Burned:	1,254.58%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Circ, rotate & work pipe. Wash 16300-16331. String torquing up & jumping like we are on something (wireline, gun). Milled to 16335. No progress for 2 hours. TOH w/tubing leaving mill at 9050. Kill well w/ brine. SDON, no night crew.

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 155	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/30/2018	Total Days: 43	Remaining Days: 5

Monday, June 25, 2018

Daily Cost:	\$43,115.00	Project Cost:	\$7,628,672.00	Budget:	\$604,627.00	Burned:	1,261.72%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	TOH w/ remainder of tubing & fishing tools. Shoe worn thin, all wires gone, top bushing indicates rubbing on top of fish. TIH w/ shoe,, overshot w/ 3 1/8" grapple & pack off, bumper sub, jars & tubing. Shoe at 9000. SDON, no night crew.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 156	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/30/2018	Total Days: 43	Remaining Days: 4	

Tuesday, June 26, 2018

Daily Cost:	\$60,385.00	Project Cost:	\$7,689,057.00	Budget:	\$604,627.00	Burned:	1,271.70%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Continue in hole w/ tubing.Tag fish @ 16098. Set down 25 pts & rotate. Loaded tbg & pressured up, worked tbg & pressure remained 600 psig. TOH w/ tbg & fishing tools. No recovery. MU new shoe w/ overshot & grapple. Bumper sub, jars. TIH w/ fishing tools & tbg. At 9800 at report time. Will continue in hole to fish.

Time Log

From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 157	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/30/2018	Total Days: 43	Remaining Days: 3	

Wednesday, June 27, 2018

Daily Cost:	\$53,360.00	Project Cost:	\$7,742,417.00	Budget:	\$604,627.00	Burned:	1,280.53%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary FIH, tag fish & wash down to 16295. Wash & rotate to 16303 w/ little torque. Continue to wash & rotate w/ high torque to 16308. Continue & make no progress in 2 hours. TOH w/ tbg & fishing tools. No recovery, break down tools. Indications we were over fish & possibly some wire from markings inside tools. Will run another shoe & overshot with grapples closer to shoe.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 158	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/30/2018	Total Days: 43	Remaining Days: 2	

Thursday, June 28, 2018

Daily Cost:	\$60,660.00	Project Cost:	\$7,803,077.00	Budget:	\$604,627.00	Burned:	1,290.56%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary TIH w/ fishing tools & tubing. Set down at 16297, wash & rotate to 16308. Tubing packed off, pressure increased to 2900 psig. PU & set jars off w/ 15 pts over string weight and string came free. TOH w/ tubing & fishing tools. Lay down fish. All of fish recovered including, perforating guns, setting tool & plug.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 159	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 06/30/2018	Total Days: 43	Remaining Days: 1	

Friday, June 29, 2018

Daily Cost:	\$56,109.00	Project Cost:	\$7,859,186.00	Budget:	\$604,627.00	Burned:	1,299.84%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary LD fishing tools. PU new BHA. TIH w/ mill, motor & tbg. Wash down to plug #37, drl plug & circ to surface. Wash to plug #38 @ 16650. Drl plug & circ to surface. Wash to plug #39 @ 16825. Drl plug & circ to surface. Wash to plug #40 @ 17000. Drl plug & circ to surface. Wash to plug # 41 @ 17175. Drl plug & circ to surface. Wash to plug #42 @ 17350. Drl plug & circ to surface. Wash to 17510 @ report time.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 160	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 06/30/2018	Total Days: 43	Remaining Days: 0

Saturday, June 30, 2018

Daily Cost:	\$56,109.00	Project Cost:	\$7,915,295.00	Budget:	\$604,627.00	Burned:	1,309.12%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops

Summary Wash to plug #43 @ 17525. Drl plug & circ to surface. Wash to plug #44 @ 17698. Drl plug & circ to surface. Wash to plug #45 @ 17877. Drl plug & circ to surface. Wash to plug #46 @ 18050. Drl plug & circ to surface. Wash to plug #47 @ 18224. Drl plug & circ to surface. Wash to plug #48 @ 18394. Drl plug & circ to surface. Wash to plug # 49 @ 18575. Drl plug & circ to surface. Recover heavy amount of sand. Oil cut is 3-25%. Wash to plug #50 @ 18750. Drl plug & circ to surface. Wash to plug #51. Drl plug & circ to surface. Wash to 19100 & circ to surface. RD swivel, RU tbg tongs & elevator. POH & LD 2 7/8" work string.

Time Log					
From	To	Dur	Prod	Time Code	Comments



Daily Summary - 7/1/2018

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 161	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 23

Sunday, July 01, 2018

Daily Cost:	\$81,490.00	Project Cost:	\$7,996,785.00	Budget:	\$604,627.00	Burned:	1,322.60%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	Continue to TOH & LD rental string. LD BHA. TIH w/ 1 jt 2 7/8" L-80 tbg, sn, & 200 jts 2 7/8" L-80 tbg. Will run remainder of tbg today.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 162	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 22

Monday, July 02, 2018

Daily Cost:	\$92,219.00	Project Cost:	\$8,089,004.00	Budget:	\$604,627.00	Burned:	1,337.85%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	
Summary	Continue TIH w/ total 273 jts 2 7/8" L-80 tbg. ND BOP, NU WH. Open well on 25/64" ck w/ FTP 400 psig. Flowed at a rate of 2 BPM for 2 hrs. Well died. SI to build pressure. RDMO pulling unit and all rental equipment.

Time Log					
From	To	Dur	Prod	Time Code	Comments

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 169	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 15	

Monday, July 09, 2018

Daily Cost:	\$2,500.00	Project Cost:	\$8,091,504.00	Budget:	\$604,627.00	Burned:	1,338.26%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops Well Maintenance

Summary MIRU BASIC #1724, found SITP 130 PSIG & flowed off to BTY. TBG flowed only gas & bled off completely. R/U to swab & RIH on first run to find FL @ 400'. Made 6 runs to 1500' & TBG started flowing. Flowed 120 BBLS to tank without choke in flowline. SI TBG & had 820 SITP. Installed 12/64 choke & started flowing TBG to BTY @ 11:00. 12:00 FTP 820, SICP 500 & FLP 60, 1:00 FTP 780, SICP 500 & FLP 70. 2:00 FTP 650, SICP 500 & FLP 75. 3:00 FTP 600, SICP 500 & FLP 70. 4:00 FTP 560, SICP 550 & FLP 45. 5:00 FTP 460, SICP 550 & FLP 45. 6:00 FTP 380, SICP 550 & FLP 48. 7:00 FTP 380 SICP 550 & FLP 48. Turned well over to night watch to monitor prod @ BTY & pressures overnight. Recovered 14 BBLS of oil from 120 BBLS flowed earlier today. Total production to BTY difficult to measure as fluid is filling vessels in BTY. Estimate flow to BTY @ 25 +/- per hour.

Time Log

From	To	Dur	Prod	Time Code	Comments
06:00	16:00	10:00	Y	Misc Workover	MIRU BASIC #1724, found SITP 130 PSIG & flowed off to BTY. TBG flowed only gas & bled off completely. R/U to swab & RIH on first run to find FL @ 400'. Made 6 runs to 1500' & TBG started flowing. Flowed 120 BBLS to tank without choke in flowline. SI TBG & had 820 SITP. Installed 12/64 choke & started flowing TBG to BTY @ 11:00. 12:00 FTP 820, SICP 500 & FLP 60, 1:00 FTP 780, SICP 500 & FLP 70. 2:00 ftp 650, SICP 500 & FLP 75. 3:00 FTP 600, SICP 500 & FLP 70. 4:00 FTP 560, SICP 550 & FLP 45. 5:00 FTP 460, SICP 550 & FLP 45. 6:00 FTP 380, SICP 550 & FLP 48. 7:00 FTP 380 SICP 550 & FLP 48. Turned well over to night watch to monitor prod @ BTY & pressures overnight. Recovered 14 BBLS of oil from 120 BBLS flowed earlier today. Total production to BTY difficult to measure as fluid is filling vessels in BTY. Estimate flow to BTY @ 25 +/- per hour.

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 170	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 14

Tuesday, July 10, 2018

Daily Cost:	\$750.00	Project Cost:	\$8,092,254.00	Budget:	\$604,627.00	Burned:	1,338.39%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops Well Maintenance

Summary Arrive at location to find well still flowing W/420 FTP, 700 SICP & 50 FLP. RDMO Basic rig 1724.

Time Log

From	To	Dur	Prod	Time Code	Comments
06:00	09:00	03:00	Y	Rig Up and Tear Down	Arrive at location to find well still flowing W/420 FTP, 700 SICP & 50 FLP. RDMO Basic rig 1724.

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 171	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 13

Wednesday, July 11, 2018

Daily Cost:	\$750.00	Project Cost:	\$8,093,004.00	Budget:	\$604,627.00	Burned:	1,338.51%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	Well Maintenance
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Summary	MIRU Basic rig 1724. Prep floor & tools to pull TBG in the AM.
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Time Log

From	To	Dur	Prod	Time Code	Comments
12:00	15:00	03:00	Y	Rig Up and Tear Down	MIRU Basic rig 1724. Prep floor & tools to pull TBG in the AM.

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 172	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 12

Thursday, July 12, 2018

Daily Cost:	\$1,250.00	Project Cost:	\$8,094,254.00	Budget:	\$604,627.00	Burned:	1,338.72%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	Well Maintenance
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Summary	Arrive at location to find well still flowing W/FTP 420, FCP 420 & FLP 68. Change TBG choke to 20/64 & CSG choke to 14/64. Monitor well for 2 hrs & have no indication well pressure is dropping W/FTP 400, FCP 400 & FLP 70. RDMO Basic #1724.
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Time Log

From	To	Dur	Prod	Time Code	Comments
06:00	11:00	05:00	Y	Rig Up and Tear Down	Arrive at location to find well still flowing W/FTP 420, FCP 420 & FLP 68. Change TBG choke to 20/64 & CSG choke to 14/64. Monitor well for 2 hrs & have no indication well pressure is dropping W/FTP 400, FCP 400 & FLP 70. RDMO Basic #1724.

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 180	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 4

Friday, July 20, 2018

Daily Cost:	\$1,500.00	Project Cost:	\$8,095,754.00	Budget:	\$604,627.00	Burned:	1,338.97%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops Move In/Rig Up

Summary MIRU Basic rig 1724. Prep floor & tools to pull TBG Monday AM.

Time Log

From	To	Dur	Prod	Time Code	Comments
06:00	12:00	06:00	Y	Rig Up and Tear Down	MIRU Basic rig 1724. Prep floor & tools to pull TBG Monday AM.

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 183	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --

Project Details			
Name: University 8-4 9H - Completion		Contractor:	Type: Completion
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 1

Monday, July 23, 2018

Daily Cost:	\$3,200.00	Project Cost:	\$8,098,954.00	Budget:	\$604,627.00	Burned:	1,339.50%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	Well Maintenance
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Summary	MIRU kill truck & pump 60 BBLS BW to TBG. Move to CSG & pump 90 BBLS BW to kill CSG. N/D tree & N/U BOP W/annular BOP. POOH L/D 47-JTS 2 7/8" L-80 TBG. Continue to POOH W/60-JTS 2 7/8" L-80 TBG & SION.
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Time Log

From	To	Dur	Prod	Time Code	Comments
06:00	12:00	06:00	Y	Pull Tubing	MIRU kill truck & pump 60 BBLS BW to TBG. Move to CSG & pump 90 BBLS BW to kill CSG. N/D tree & N/U BOP W/annular BOP. POOH L/D 47-JTS 2 7/8" L-80 TBG. Continue to POOH W/60-JTS 2 7/8" L-80 TBG & SION.

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 184	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 07/24/2018	Total Days: 67	Remaining Days: 0	

Tuesday, July 24, 2018

Daily Cost:	\$11,640.00	Project Cost:	\$8,110,594.00	Budget:	\$604,627.00	Burned:	1,341.42%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops	Well Maintenance
Summary	Pumped 30 BBLS BW to TBG & 30 BBLS BW to CSG. Continue to POOH W/166-JTS 2 7/8" L-80 TBG, 2.5" SN & 1-JT 2 7/8" L-80 W/collar. Total JTS 2 7/8" L-80 POOH 274. P/U 6-JT 2 7/8" L-80 BPMA, desander, & Borets ESP. P/U 2.5" SN, 4' L-80 TBG sub & TIH W/228-JTS 2 7/8" L-80 TBG torqueing each break. N/D BOP & N/U Reda W/H. SION. SN @ 7403', pump @ 7520' & EOT @ 7716'.

Time Log					
From	To	Dur	Prod	Time Code	Comments
06:00	22:00	16:00	Y	Install Pump	Pumped 30 BBLS BW to TBG & 30 BBLS BW to CSG. Continue to POOH W/166-JTS 2 7/8" L-80 TBG, 2.5" SN & 1-JT 2 7/8" L-80 W/collar. Total JTS 2 7/8" L-80 POOH 274. P/U 6-JT 2 7/8" L-80 BPMA, desander, & Borets ESP. P/U 2.5" SN, 4' L-80 TBG sub & TIH W/228-JTS 2 7/8" L-80 TBG torqueing each break. N/D BOP & N/U Reda W/H. SION. SN @ 7403', pump @ 7520' & EOT @ 7716'.

Well Details				
Name: University 8-4 9H	API #: 42-3-47585	Operator: Piedra Resources	Days From Spud: 185	
Lease: University Lands	Field: Spraberry (Trend Area)		Formation: Wolfcamp - Spraberry	
County: ANDREWS, TX	MD:	TVD:	NRI: -- / --	WI: -- / --
Project Details				
Name: University 8-4 9H - Completion		Contractor:	Type: Completion	
Start: 05/18/2018	End: 07/25/2018	Total Days: 68	Remaining Days: 0	

Wednesday, July 25, 2018

Daily Cost:	\$1,000.00	Project Cost:	\$8,116,894.00	Budget:	\$604,627.00	Burned:	1,342.46%
Present Depth:	0	Daily Footage:	0.00	Hours Drilling:	00:00		

Present Ops Well Maintenance

Summary RDMO Basic #1724, made flow line connections to TBG & ESP producing to BTY @ 9:20 AM. Took 1 min 40 sec for fluid to reach surface. PTP 400, CSG 0 & FLP 70. FOP 7739', 50 HTZ & 26 AMPS.

Time Log

From	To	Dur	Prod	Time Code	Comments
06:00	09:00	03:00	Y	Rig Up and Tear Down	RDMO Basic #1724, made flow line connections to TBG & ESP producing to BTY @ 9:20 AM. Took 1 min 40 sec for fluid to reach surface. PTP 400, CSG 0 & FLP 70. FOP 7739', 50 HTZ & 26 AMPS.