



Well: University 8 4-2 API#42-003-41098

AFE:

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 8/31/2015

Day: 1	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Prep F/Frac
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' subs, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations	Hours: 0.0
MIRU Basic #1590, R/U floor & R/S. L/D 1-1"x2', 2-1"x6' & 1-1"x8' subs. POOH L/D 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B, BOT & 2.5" x 1.5" x 24' pump #MI7. Pump POOH W/fluid. N/U W/H, R/TAC & N/U BOP. POOH L/D 115-JTS 2 7/8" L-80 TBG & SION.	

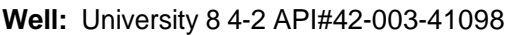
Daily WO/Comp Costs: **\$0.00**

Cum WO/Comp Costs: **\$0.00**

Cum Well Costs: **\$3,540.00**

Cost	Amount

Cost	Amount



AFE:

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/2/2015

Day: 3

Type:

Days Rig on Well:

PBTD:

Well Service Co.: **Halliburton WL**

Present Operations: Perf

KB:

Casing Size, Wt. Gr.: **5.5", 20#, P-110**

Casing Drift:

Csg. set @:

TOC:

Perforations:

Liner Size, Wt. Gr.:

Liner set @:

Liner Drift:

Top of Liner:

Amount of Overlap:

Tbg. Size, Wt. Gr.: **2 7/8", 6.5#, L-80**

Tubing set @:

No. Jets.:

Pkr. set @:

SN ID: **2.5" MSN**

SN set @:

Pump Desc.: **2.5x1.5x24' RHBM**

TAC set @:

Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' subs, 129-1", 129-7/8", 132-3/4" rods, 6-1.5"
W/B & BOT.

CIBG Type: **Cast Iron (permanent)**

CIBG Setting Depth:

Detail of Operations

Hours: 0.0

MIRU Halliburton wireline & crane. Ran gauge ring to 10900'. Set CIBP @ 10850'. Perf 8870-80, 9310-20, 9350-60, 9620-30, 9780-90, 9946-56, 10720-30 w/ @ SPF. Total 140 holes. RD Halliburton.

Daily WO/Comp Costs: \$0.00

Cum WO/Comp Costs: \$0.00

Cum Well Costs: \$12,831.00

[illegible][illegible]**Managed By:** Piedra Resources, LLC



Well: University 8 4-2 API#42-003-41098

AFE:

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/7/2015

Day: 4	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Halliburton	Present Operations: Frac
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' subs, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations	Hours: 0.0
<p>MIRU Halliburton frac crew and Guardian wellhead saver. Frac well in 12 stages continual pumping. Each stage consists of 60,000 gals 20# gel + 80,000 # 20/40 premium. Fluid contains nano surfactant from Flotec. Stg 1 AIR 71.3 BPM @ 1952 psig. Stg 2 AIR 60.7 BPM @ 2099 psig. Stg 3 AIR 71.3 BPM @ 3492 psig. Stg 4 AIR 70.3 BPM @ 3797 psig. Stg 5 AIR 71.5 BPM @ 4935 psig. Stg 6 AIR 71.5 BPM @ 3302 psig. Stg 7 AIR 63.7 BPM @ 3342 psig. Stg 8 AIR 54.9 BPM @ 2699 psig. Stg 9 AIR 63.5 BPM @ 3314 psig. Stg 10 60.0 BPM @ 2786 psig. Stg 11 AIR 66 BPM @ 3002 psig. Stg 12 AIR 47.8 BPM @ 2133 psig. 19816 BLWTR. Total sand pumped 965,631 #. RD Halliburton & Guardian.</p>	

Daily WO/Comp Costs: \$0.00		Cum WO/Comp Costs: \$0.00		Cum Well Costs: \$455,030.00	
Cost	Amount	Cost	Amount		



Well: University 8 4-2 API#42-003-41098

AFE:

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Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

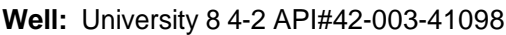
Contractor:

Date: 9/8/2015

Day: 5	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Halliburton	Present Operations: Flow back well
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' subs, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations	Hours: 0.0
<div>7:am SICP 600, build flow line to flow back pit. Flowing to pit @ 10:30 am W/48/64 choke @ 500 PSIG. Flowing 3.5 BPM. At 12:30 choke starts plugging off W/frac balls. Remove choke bean & continue flowing @ 280 PSIG & 5.0 BPM rate. 7:pm FCP 240 & rate 5.0 BPM. Total recovered as of 12:am 3270 BBLS.</div>	

Daily WO/Comp Costs: \$0.00		Cum WO/Comp Costs: \$0.00		Cum Well Costs: \$459,130.00	
Cost	Amount	Cost	Amount		



AFE:

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/9/2015

Day: 6

Type:

Days Rig on Well:

PBTD:

Well Service Co.: **Halliburton**

Present Operations: **Flow back well**

KB:

Casing Size, Wt. Gr.: **5.5", 20#, P-110**

Casing Drift:

Csg. set @:

TOC:

Perforations:

Liner Size, Wt. Gr.:

Liner set @:

Liner Drift:

Top of Liner:

Amount of Overlap:

Tbg. Size, Wt. Gr.: **2 7/8", 6.5#, L-80**

Tubing set @:

No. Jets.:

Pkr. set @:

SN ID: **2.5" MSN**

SN set @:

Pump Desc.: **2.5x1.5x24' RHBM**

TAC set @:

Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' subs, 129-1", 129-7/8", 132-3/4" rods, 6-1.5"
W/B & BOT.

CIBG Type: **Cast Iron (permanent)**

CIBG Setting Depth:

Detail of Operations

Hours: **0.0**

7:am FCP 40 with flow rate .5 BPM rate. Flow rate dropped off after 1:am to present rate. Total load recovered to date 4370 BBLS.

Daily WO/Comp Costs: \$0.00

Cum WO/Comp Costs: \$0.00

Cum Well Costs: **\$459,130.00**

[illegible][illegible]**Managed By: Piedra Resources, LLC**



Well: University 8 4-2 API#42-003-41098

AFE:

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/11/2015

Day: 7	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: MIRU & P/U TBG
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations

Hours: **0.0**

MIRU Basic #1628. N/D Frac valve & N/U BOP. P/U 5.5" CSG scraper W/4.625" bit & P/U 200-JTS 2 7/8" L-80 TBG. SION. Total fluid recovered to date 4622 BBLS.

Daily WO/Comp Costs: **\$0.00**

Cum WO/Comp Costs: **\$0.00**

Cum Well Costs: **\$462,580.00**

Cost	Amount

Cost	Amount



Well: University 8 4-2 API#42-003-41098

AFE:

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/12/2015

Day: 8	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: P/U TBG
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations

Hours: 0.0

Continue to P/U 104-JTS 2 7/8" L-80 TBG to tag up @ 9597'. POOH W/304-JTS & SION.

Daily WO/Comp Costs: \$0.00

Cum WO/Comp Costs: \$0.00

Cum Well Costs: \$463,980.00

Cost	Amount	Cost	Amount



Well: University 8 4-2 API#42-003-41098

AFE:

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/14/2015

Day: 9	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Bail Frac sand
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations	Hours: 0.0
<p>P/U 4.625 bit, B/sub, 2-F/V & TIH 60-JTS. P/U pump & TIH W/244 JTS to tag up @9597'. Work W/TBG tongs 1 HR to start making hole W/bailer. Clean out to 9850' & ROP stops. POOH 252-JTS to L/D pump & POOH W/ 60-JTS to DBL FV. Found 5-JTS of cavity W/frac sand. RIH W/N/C, DBL FV & 60-JTS to P/U pump. TIH W/20JTS & SION.</p>	

Daily WO/Comp Costs: \$0.00		Cum WO/Comp Costs: \$0.00		Cum Well Costs: \$470,320.00	
Cost	Amount	Cost	Amount		



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/15/2015

Day: 10	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Bail Frac sand
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations	Hours: 0.0
<div>Continue to TIH W/ 231-JTS to tag high @ 9821'. Lost 29' from yesterdays COTD @ 9850'. Work bailer & can't make any hole. P/U swivel & attempt to bail with swivel. Made 2' in over an hour with swivel stalling out @ 18-K with 2-K on bit & with TBG sticking & dragging. POOH W/230-JTS & hydraulic hose broke on rig. WOR for 3 hours. Continue to POOH 21-JTS to L/D pump & POOH 60-JTS to DBL FV. Found 2-JTS of cavity W/frac sand. RIH N/C, DBL FV, 40-JTS 2 7/8" for cavity & P/U Venturi tool. TIH W/250-JTS 2 7/8" L-80 TBG & SION.</div>	

Daily WO/Comp Costs: **\$5,460.00**

Cum WO/Comp Costs: **\$475,780.00**

Cum Well Costs: **\$475,780.00**

Cost	Amount	Cost	Amount
ICC COMPLETION RIG	\$2,600.00		
ICC FISHING TOOLS & SERVICES	\$2,500.00		
ICC PERMITS & SURVEYS	\$360.00		



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/16/2015

Day: 11	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Bail Frac sand
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations

Hours: 0.0

TIH to tag up @ 9809'. Lost 14' from yesterdays COTD of 9823'. P/U swivel & R/U pump truck. Load TBG W/15 BBLS & pump 3.5 BPM @1700 PSIG. Work Ventri tool & can't make any hole. At 180 BBLS pumped well started to barely circ F/CSG. Made 1' in over an hour with swivel stalling out @ 18-K with 2-K on bit & with TBG sticking & dragging. Started to be able to increase WOB with out stalling, but still no ROP. L/D swivel to POOH W/TBG & TBG was stuck. Made swivel back up & work TBG. All efforts failed to free TBG. WO W/L & MIRU Renegade W/L. RIH & locate collar 1-JT above tools @ 8484'. Back off TBG & POOH W/269-JTS 2 7/8" L-80 TBG. Found collar backed off. SION.

Daily WO/Comp Costs: \$8,200.00

Cum WO/Comp Costs: \$483,980.00

Cum Well Costs: \$483,980.00

Cost	Amount	Cost	Amount
ICC COMPLETION RIG	\$3,200.00		
ICC FISHING TOOLS & SERVICES	\$2,800.00		
ICC WATER	\$2,200.00		



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/17/2015

Day: 12	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Fishing TBG
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations

Hours: **0.0**

P/U hill side sub W/TBG collar & TIH W/269-JTS 2 7/8" L-80 TBG. Tag fish@ 8484' & screw back into TBG. RIH W/string shot to 9600' & back off TBG. POOH W/269-JTS, hill side sub, 1-JT, 6'-sub, X-O & Ventri wash tool. Backed off @X-O sub below tool - TOF @8533'. P/U screw in sub & TIH W/270-JTS to screw back in fish. RIH W/free point tool to 9796' & found TBG free just above DBL FV. POOH W/ FPT & P/U chemical cutter. RIH & cut off TBG @ 9785' by WLM. Left 1.5-JTS, DBL FV & N/C. POOH RDMO W/L. POOH W/60-JTS & SION.

Daily WO/Comp Costs: \$22,300.00		Cum WO/Comp Costs: \$506,280.00		Cum Well Costs: \$506,280.00	
Cost	Amount	Cost	Amount		
ICC ELECTRIC / WIRELINE LOGS	\$16,600.00				
ICC COMPLETION RIG	\$3,200.00				
ICC FISHING TOOLS & SERVICES	\$2,500.00				



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/18/2015

Day: 13	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Fishing TBG
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations	Hours: 0.0
<div>Continue to POOH W/210-JTS 2 7/8" L-80 TBG to L/D screw in sub & X-O sub. POOH 38-JTS & L/D CO JT. P/U 4.625" O/S W/2 7/8" grapple, B/S, Jars, 4-3.5" DC, intensifier & X-O sub. TIH W/304-JTS to tag up on fish. Attempt to latch on & pulled 30-K over & appears to either slip off or pull free. Worked TBG & could only get string WT of 64-K. POOH 304-JTS & BHA to find no fish. O/S was full of frac sand & grapple packed W/sand. Cleaned up O/S, grapple & control. RIH W/ same BHA & TIH W/248-JTS to 7976' & SION.</div>	

Daily WO/Comp Costs: \$5,700.00	Cum WO/Comp Costs: \$511,980.00	Cum Well Costs: \$511,980.00
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Cost	Amount	Cost	Amount
ICC COMPLETION RIG	\$3,200.00		
ICC FISHING TOOLS & SERVICES	\$2,500.00		



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/19/2015

Day: 14	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Fishing TBG
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations

Hours: **0.0**

Continue to TIH W/56-JTS. R/U pump truck & wash off fish top @ 9742'. Latch on & jarred on fish 1 hour. Fish had moved 14" when jars failed to go off. Work jars to try to get them to continue operating - no go. POOH 304-JTS TBG & BHA. Found jars & B/S with frac sand on them. Change out O/S grapple & jars. TIH W/304-JTS & tag up 49' high @ 9693'. N/U TBG stripper & started pumping to backside @ 4 BPM. Pumped 26 BBLS & CSG pressure came up to 300 PSIG. Attempt to wash sand to latch on fish While pumping 4 BPM. There is no ROP & TBG is trying to stick & drag. POOH 180-JTS & SION.

Daily WO/Comp Costs: **\$10,700.00**

Cum WO/Comp Costs: **\$522,680.00**

Cum Well Costs: **\$522,680.00**

Cost	Amount
ICC COMPLETION RIG	\$3,200.00
ICC FISHING TOOLS & SERVICES	\$6,500.00
ICC WATER	\$1,000.00

Cost	Amount



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/21/2015

Day: 15	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Fishing TBG
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations

Hours: **0.0**

Continue to POOH W/124-JTS 2 7/8" TBG & BHA to L/D O/S. P/U saw tooth mill, Thompson catcher, 2-JTS 4.5" x 3.8125" washover pipe & jars. TIH W/4-3.5" DC & 232-JTS to 7510'. N/U TBG stripper & break circ W/foam unit. Took 45 minutes to begin to circ. TIH W/68-JTS to tag up @ 9660'. 33' high from previous tag on Saturday. P/U swivel, break circ & wash over fish to 9851'. Circ hole clean F/90 min. Pumped 50 BBBLS F/W to kill TBG, L/D swivel & POOH 246-JTS. SION.

Daily WO/Comp Costs: **\$13,480.00**

Cum WO/Comp Costs: **\$536,160.00**

Cum Well Costs: **\$536,160.00**

Cost	Amount
ICC OTHER EQUIP RENTAL	\$6,500.00
ICC COMPLETION RIG	\$3,200.00
ICC FISHING TOOLS & SERVICES	\$2,500.00
ICC WATER	\$1,280.00

Cost	Amount



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/22/2015

Day: 16	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: Fish TBG/CO Well
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations	Hours: 0.0
<div>Continue to POOH W/60-JTS 2 7/8" TBG, X-O, 4-3.5" DC, jars & 2-JTS 4.5" washover pipe. L/D 1.5" JTS 2 7/8" TBG, DBL FV & N/C. P/U 4.625" R/R bit. B/S, TIH W/4-3.5" DC, X-O & TIH W/227-JTS. Break circ W/foam unit, took 1 hour. TIH W/ 80-JTS to tag up @ 9826'. P/U swivel & started washing out frac sand. At 9857' bit torques up & drags when raised or lowered. Kept moving TBG until it frees up. Continue CO to 10125' bit torques up again. Worked it until it frees up once more. Continue CO to 10143' & circ hole clean 90 minutes. Pumped 50 BBLS FW to kill TBG & POOH 64-JTS to leave bit @ 8124'. SION.</div>	

Daily WO/Comp Costs: **\$13,800.00**

Cum WO/Comp Costs: **\$549,960.00**

Cum Well Costs: **\$549,960.00**

Cost	Amount
ICC PERMITS & SURVEYS	\$3,200.00
ICC OTHER EQUIP RENTAL	\$6,500.00
ICC FISHING TOOLS & SERVICES	\$2,500.00
ICC WATER	\$1,600.00

Cost	Amount



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/23/2015

Day: 17	Type:	Days Rig on Well:
PBTD:	Well Service Co.: Basic Energy Ser	Present Operations: CO Well
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @:	No. Jets:	Pkr. set @:
SN ID: 2.5" MSN	SN set @:	Pump Desc.: 2.5x1.5x24' RHBM
TAC set @:	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & BOT.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations

Hours: 0.0

Break circ W/foam unit, took 2 hours. TIH 64-JTS 2 7/8" TBG to tag @10143'. P/U swivel, break circ again & CO frac sand to COTD 10845'. Circ 2 hours to clean hole, pump 50 BBLS FW to kill TBG & L/D swivel. POOH 114-JTS to leave bit @7254' & SION.

Daily WO/Comp Costs: \$13,560.00

Cum WO/Comp Costs: \$563,520.00

Cum Well Costs: \$563,520.00

Cost	Amount	Cost	Amount
ICC COMPLETION RIG	\$3,200.00		
ICC OTHER EQUIP RENTAL	\$6,500.00		
ICC FISHING TOOLS & SERVICES	\$2,800.00		
ICC WATER	\$1,060.00		



Well: University 8 4-2 API#42-003-41098

AFE: 2-310

Operator: Piedra Operating, LLC

Completion / Workover Report

Field: Spraberry (Trend Area)

County/Parish/State: Andrews/TX

Contractor:

Date: 9/24/2015

Day: 18	Type:	Days Rig on Well:
PBTD: 10850'	Well Service Co.: Basic Energy Ser	Present Operations: TBG & P/U Pump
KB:	Casing Size, Wt. Gr.: 5.5", 20#, P-110	Casing Drift:
Csg. set @:	TOC:	Perforations:
Liner Size, Wt. Gr.:	Liner set @:	Liner Drift:
Top of Liner:	Amount of Overlap:	Tbg. Size, Wt. Gr.: 2 7/8", 6.5#, L-80
Tubing set @: 10114'	No. Jets.:	Pkr. set @:
SN ID: 2.5" MSN	SN set @: 10094'	Pump Desc.: 2.5"x1.75"x20' RHBM
TAC set @: 8010'	Rod Desc.: 1-1"x2', 2-1"x6, 1-1"x8' sub, 129-1", 129-7/8", 132-3/4" rods, 6-1.5" W/B & S/T.	
CIBG Type: Cast Iron (permanent)	CIBG Setting Depth:	

Detail of Operations	Hours: 0.0
<div>L/D TBG stripper & POOH W/226-JTS 2 7/8" L-80 TBG. L/D X-O, 4-3.5" DC, B/S & 4.625" bit. P/U 4-JT 2 7/8" BPMA, CDS, MSN, TIH 62-JTS 2 7/8" L-80, 5.5" TAC & TIH W/254-JTS 2 7/8" L-80 TBG. Replaced 4-JTS W/new JTS. TAC @8010', SN @10094' & EOT @10114'. N/D BOP, set TAC W/20-K & N/U WH. R/U pump truck & pump 75 BBLS FW W/5gal corr inhib to TBG. P/U 2.5"x1.75"x20' RHBM R/R pump #AP-263 W/33-K S/T. P/U 6-1.5" W/B, 132-3/4", 129-7/8" & 19-1" rods. Replaced 1-7/8" rod W/bad threads. SION.</div>	

Daily WO/Comp Costs: \$8,310.00	Cum WO/Comp Costs: \$571,830.00	Cum Well Costs: \$571,830.00
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Cost	Amount	Cost	Amount
ICC COMPLETION RIG	\$3,000.00		
TCC OTHER SUBSURFACE EQUIPMENT	\$1,050.00		
TCC SUCKER RODS & PUMP	\$3,500.00		
ICC WATER	\$760.00		