

Andrews University 31-4 # 2

Andrews Co., TX

Well ID: 04105-002

Zone: Wolfberry Field: Block 5

AFE # 131240:

API: 42-003-45112**Original Completion (Clayton Wade)**

Oct 26, 2013 Saturday (Day 1)

MI RU HES wireline and One Source pump trk to log. Ran logging tool. Tag @ 9714'. Worked tool up and down. Tagged at same place. Pulled tools out of hole. RD pump trk and HES wireline.

Daily Cost: \$209,000
Cum. Cost: \$209,000

Nov 5, 2013 Tuesday (Day 2)

MI One Source. RU tomorrow

Daily Cost: \$2,300
Cum. Cost: \$211,300

Nov 6, 2013 Wednesday (Day 3)

RU One Source. MI racks and CW, rack and tally TBG. NU BOP. RIH W/ 4 5/8" Cone bit, 5 drill collars, and 140 JTS 2 7/8" L80 EUE 8RD TBG. SIW and SD 6pm.

Daily Cost: \$8,300
Cum. Cost: \$219,600

Nov 7, 2013 Thursday (Day 4)

AOL, One Source RIH W/ 153 JTS 2 7/8" L80 for a total of 293 JTS and tag plug @ 9770'. Test casing to 2500lbs. DO plug and 252' cement. W/ 7 JTS TBG. SIW 7 SD 6PM.

Daily Cost: \$7,900
Cum. Cost: \$227,500

Nov 8, 2013 Friday (Day 5)

AOL, One Source RIH and drill out cement from 10022' to 10152' W/ 5 JTS. Hit something solid and got back metal shaving returns. Pressure test casing to 2500lbs, good test. POH and SB 305 JTS 2 7/8" L80 TBG, LD drill collars and bit. Prep to log. SIW and SD 5pm.

Daily Cost: \$6,300
Cum. Cost: \$233,800

Nov 9, 2013 Saturday (Day 6)

MI RU HES wireline to log. RU One Source to hold pressure on casing. Ran RCBL from 10189' to 2700' w/1500 psi on casing. TOC 2918'. Wireline TD 10198'. Ran CSNG from 10195' to 4800'. CNL/GR/CCL from 10185' to surface. RD HES wireline and One Source pump trk.

Daily Cost: \$8,200
Cum. Cost: \$242,000

Nov 10, 2013 Sunday (Day 7)

SDFWE

Daily Cost: \$1,000
Cum. Cost: \$243,000

Nov 11, 2013 Monday (Day 8)

AOL, One Source RIH W/ 312 JTS of open ended 2 7/8" L80 TBG. Tag @ 10199' (W/ TBG on a TBG tally), 1' off of wireline TD of 10198'. POH and SB 311 JTS. Prep for wireline. SIW and SD 4:30.

Daily Cost: \$5,500
Cum. Cost: \$248,500

Nov 12, 2013 Tuesday (Day 9)

MI RU Cornell Wireline. P/u CIBP & perforating guns. Kinked wireline when picking up lubricator. L/d lubricator & re-head wireline. TIH & set CIBP @ 10,196'. Test csg to 4000 psi. Perforate sqz holes @ 10,183'. Could not break down formation @ 4000 psi. POOH w/ WL. P/u dump bailer & load w/ 5 gals 15% HCL acid. TIH; Dump acid @ 10,182'. POOH; BDF @ 4350' @ .25 bpm. TIH w/ perforating guns. Shoot sqz holes @ 10,078'. POOH. P/u CICR; TIH & set @ 10,060'. POOH; RD release Cornell Wireline. SIW SDFN

Daily Cost: \$21,400
Cum. Cost: \$269,900

Nov 13, 2013 Wednesday (Day 10)

AOL @ 7:00 a.m. P/u CICR; TIH w/ tbg. MI RU HES cementers; Test lines to 7000 psi. Est. circulation; Sting into CICR; Pressure up on annulus to 500 psi. BDF @ .50 bpm @ 4350 psi. Est. injection rate of 3.0 bpm @ 5800 psi. Mix 100 sx Halcem H @ 15.6 lb/gal. Sting out of CICR; Spot cement 500' from EOT. Sting into CICR. Sqz'd formation w/ 18 bbls cmt @ 6000 psi. Sting out of CICR & reverse out cmt. RD release HES cementers. POOH & L/d 2 jts tbg. SIW SDFN

Daily Cost: \$21,300
Cum. Cost: \$291,200

Nov 14, 2013 Thursday (Day 11)

AOL @ 7:00 a.m. MI RU Shack Energy Services acidizers. Pressure up on csg to 4900 psi. Pressure bled off 100 psi per min. POOH w/ tbg. P/u RBP & Aeroset 1 pkr. TIH; Set pkr @ 9881'. RU SES pump truck. Pressure up on annulus to 4581 psi for 5 mins. Switch lines to tbg. Pressure up on tbg to 4610 psi. Pressure bled down 900 psi in 3 mins. Suspect sqz holes @ 9950' are leaking. SIW SDFN

Daily Cost: \$14,100
Cum. Cost: \$309,100

Nov 15, 2013 Friday (Day 12)

AOL 7:00 am Ran 3 jts. Set packer @ 9997'. Pressure test 5080 psi. Lost 100 #s in 7 minutes. Bled pressure off well. Pulled 153 stands 2-7/8 L80 tbg, packer and plug. Ran SN, 153 stands. BOT @ 10024'. RU Shack Energy. Spot 1000 gals 10% acetic acid. RD Shack Energy. LD 135 jts 2-7/8 L80 tbg. CWI SD

Daily Cost: \$15,500
Cum. Cost: \$324,600

Nov 16, 2013 Saturday (Day 13)

AOL 7:00 am LD 171 jts 2-7/8 L80 tbg and SN. ND BOP. NU flange on wellhead. RD PU. NU frac head. Set one acid tank and 10 fresh water tanks for frac. SD. Moved tbg and racks off loc. Ready to perforate lower zone.

Daily Cost: \$12,500
Cum. Cost: \$337,100

Nov 17, 2013 Sunday (Day 14)

Ready to perf lower zone. Rig up 4 light towers.

Daily Cost: \$2,000
Cum. Cost: \$339,100

Nov 18, 2013 Monday (Day 15)

MI RU Cased Hole Solutions wireline to perforate @ 9966'-9971' (20 holes), 10035'-10040' (30 holes). Wireline is rigged up for frac. MI RU flow back manifold. MI Lenoir Water 10" line. Filled frac tanks with fresh water.

Daily Cost: \$4,000
Cum. Cost: \$343,100

Nov 19, 2013 Tuesday (Day 16)

Begin fracking @ 9:00 a.m. Fracked 4 stages.

Daily Cost: \$4,000
Cum. Cost: \$347,100

Nov 20, 2013 Wednesday (Day 17)

Finished fracking last 2 stages. RD release Frac Specialists & Casedhole Solutions wireline. Detailed report & cost when received.

Daily Cost: \$4,000
Cum. Cost: \$351,100

Nov 17, 2013 Sunday (Day 14)

Ready to perf lower zone. Rig up 4 light towers.

Daily Cost: \$2,000
Cum. Cost: \$339,100

Nov 18, 2013 Monday (Day 15)

MI RU Cased Hole Solutions wireline to perforate @ 9966'-9971' (20 holes), 10035'-10040' (30 holes). Wireline is rigged up for frac. MI RU flow back manifold. MI Lenoir Water 10" line. Filled frac tanks with fresh water.

Daily Cost: \$4,000
Cum. Cost: \$343,100

Nov 19, 2013 Tuesday (Day 16)

Stage 1 MIRU CasedHole Solutions wireline. Perforated Lower Wolfcamp @ 9,966'-10,040' (112 holes). FBDP 5815 PSI. Pumped 15,624 GALS treated water, 10,164 GALS of NeFe 15 % HCL acid, 22,932 GALS Water frac (GR-15) XL 20 LBS/1000 GALS crosslinked gelled fresh water, and 9,996 GALS Water Frac (GR-15) 20LB/1000 GAL, carrying 4,971 LBS of PEARL proppant. Total Load GALS 58,716. Max Pressure 5924 PSI, average pressure 5790 PSI. Max rate 23.9 BPM, average rate 17 BPM. ISIP 5,527 PSI. BLWTR 1,398. Could not achieve desired frac rate and pressure.

Re-acidized with 3,000 GALS. Reperfed-re-acidized. Not successful.

Stage 2 Ran in hole and set CP at 9,936'. Perforated BTA Wolfcamp @ 9,730'-9,926'- (68 holes). FBDP-2680 PSI. Pumped 4,410 GALS treated water, 2,016 GALS NeFe 15 % HCL acid, 45,402 GALS Water frac (GR-15) XL 20 LBS/1000 GALS crosslinked gelled fresh water, 124,540 GALS Water Frac (GR-15) 20LB/1000 GAL, carrying 200,613 LBS of PEARL proppant. Total Load GALS 176,358. Max Pressure 4928 PSI, average pressure 4450 PSI. Max rate 69.6 BPM, average rate 69 BPM. ISIP-3193 PSI. BLWTR 4199.

Daily Cost: \$4,000

Cum. Cost: \$347,100

Nov 20, 2013 Wednesday (Day 17)

Stage 3 Ran in hole and set CP at 9,690'. Perforated Lower Wolfcamp Lime @ 9,264'-9,622'- (64 holes). FBDP-4715 PSI. Pumped 6,384 GALS treated water, 2,058 GALS NeFe 15 % HCL acid, 20,118 GALS Water frac (GR-15) XL 20 LBS/1000 GALS crosslinked gelled fresh water, 103,422 GALS Water Frac (GR-15) 20LB/1000 GAL, carrying 11,454 LBS of PEARL proppant. Total Load GALS 131,982. Max Pressure 5883 PSI, average pressure 5116 PSI. Max rate 68.9 BPM, average rate 42.8 BPM. ISIP-4715 PSI. BLWTR 3142.

Stage 4 Ran in hole and set CP at 9,210'. Perforated Lower Sprayberry @ 9,000'-9,174'- (70 holes). FBDP-2352 PSI. Pumped 6,216 GALS treated water, 2,016 GALS NeFe 15 % HCL acid, 47,292 GALS Water frac (GR-15) XL 20 LBS/1000 GALS crosslinked gelled fresh water, 142,926 GALS Water Frac (GR-15) 20LB/1000 GAL, carrying 110,000 LBS of PEARL proppant and 140,000 LBS of GARNETT 20/40 LBS proppant. Total Load GALS 198,450. Max Pressure 4525 PSI, average pressure 3306 PSI. Max rate 70.1 BPM, average rate 60 BPM. ISIP-1021 PSI. BLWTR 4725.

Stage 5 Ran in hole and set CP at 8,950'. Perforated Middle Sprayberry @ 8,620'-8,930'- (66 holes). FBDP-0 PSI. Pumped 5,586 GALS treated water, 1,974 GALS NeFe 15 % HCL acid, 50,736 GALS Water frac (GR-15) XL 20 LBS/1000 GALS crosslinked gelled fresh water, and 152,586 GALS Water Frac (GR-15) 20LB/1000 GAL, carrying 150,000 LBS of GARNETT 20/40 LBS and 131,000 LBS of OTTOWA 20/40 LBS sand. Total Load GALS 210,882. Total LBS proppant 281,000. Max Pressure 3417 PSI, average pressure 2790 PSI. Max rate 69.8 BPM, average rate 66 BPM. ISIP-1301 PSI. BLWTR 5021.

Stage 6 Ran in hole and set CP at 8,540'. Perforated Upper Sprayberry @ 8,257'-8,503'- (62 holes). FBDP-0 PSI. Pumped 7,308 GALS treated water, 1,974 GALS NeFe 15 % HCL acid, 47,670 GALS Water frac (GR-15) XL 20 LBS/1000 GALS crosslinked gelled fresh water and 139,482 GALS Water Frac (GR-15) 20LB/1000 GAL, carrying 150,000 LBS of GARNETT 20/40 LBS sand and 120,000 LBS of OTTOWA 20/40 LBS sand. Total Load GALS 196,434. Total LBS proppant 270,000. Max Pressure 5624 PSI, average pressure 4133 PSI. Max rate 70.9 BPM, average rate 60 BPM. ISIP-2360 PSI. BLWTR 4677. Spearheaded 2000 gals NeFe 15 % HCL acid. Achieved desired rate and pressure.

Daily Cost: \$579,897

Cum. Cost: \$926,997

Nov 21, 2013 Thursday (Day 18)

Set 3 flowback tanks. NU WH to tanks. Opened well @ 3:00 p.m. 600 psi on 16/64" choke.

Daily Cost: \$20,586

Cum. Cost: \$947,583

Nov 22, 2013 Friday (Day 19)

500 psi; 1010 BLW; 1010 total BLWR

Daily Cost: \$3,608

Cum. Cost: \$934,305

Nov 23, 2013 Saturday (Day 20)

260 psi; 420 BLW; 1430 total BLWR

Daily Cost: \$2,737

Cum. Cost: \$937,042

Nov 24, 2013 Sunday (Day 21)

180 psi; 310 BLW; 1740 total BLWR

Daily Cost: \$2,200

Cum. Cost: \$939,242

Nov 25, 2013 Monday	(Day 22)		Daily Cost:	\$2,300
0 psi; 290 BLW; 2030 BLWR			Cum. Cost:	\$941,542
Nov 26, 2013 Tuesday	(Day 23)		Daily Cost:	\$980
0 psi; 100 BLW; 2130 total BLWR			Cum. Cost:	\$957,608
Nov 27, 2013 Wednesday	(Day 24)		Daily Cost:	\$900
0 psi; Well dead; No fluid recovered			Cum. Cost:	\$959,758
Nov 28, 2013 Thursday	(Day 25)		Daily Cost:	\$900
0 psi; Well dead; No fluid recovered			Cum. Cost:	\$960,658
Nov 29, 2013 Friday	(Day 26)		Daily Cost:	\$900
0 psi; Well dead; No fluid recovered			Cum. Cost:	\$961,558
Nov 30, 2013 Saturday	(Day 27)		Daily Cost:	\$900
0 psi; No fluid recovered			Cum. Cost:	\$962,458
Dec 1, 2013 Sunday	(Day 28)		Daily Cost:	\$900
0 psi; Well dead; No fluid recovered			Cum. Cost:	\$963,358
Dec 2, 2013 Monday	(Day 29)		Daily Cost:	\$900
0 psi; Well dead; No fluid recovered; Ready to DO plugs on 12-3-13			Cum. Cost:	\$964,258
Dec 3, 2013 Tuesday	(Day 30)		Daily Cost:	\$11,900
0 psi; No fluid recovered. MI RU One Source pump trk. Pumped 100 bbls 10# brine down csg. Set rig mat. RU Key Energy pulling unit. Set racks and catwalk. Moved 350 jts 2-7/8 L80 tbg to racks. ND frac head. NU well head. NU BOP. Ran 4-5/8 hurricane bit, pump open sub, 80 jts 2-7/8 tbg. Left well open to frac tanks. SD			Cum. Cost:	\$976,158
Dec 4, 2013 Wednesday	(Day 31)		Daily Cost:	\$9,750
AOL 7:00 am. Ran 170 jts 2-7/8 L80 tbg. RU reverse unit. Broke circulation. Tag @ 8320' c/o 220' sand. DP #1 @ 8540'. Tried to run tbg, could not due to wind. Pulled 8 stands. CWI SD			Cum. Cost:	\$985,908
Dec 5, 2013 Thursday	(Day 32)		Daily Cost:	\$4,150
AOL 7:00 am Cannot work due to rain and sleet. SD			Cum. Cost:	\$990,058
Dec 6, 2013 Friday	(Day 33)		Daily Cost:	\$1,050
Down due to weather			Cum. Cost:	\$991,108
Dec 7, 2013 Saturday	(Day 34)		Daily Cost:	\$1,050
SDFWE			Cum. Cost:	\$992,158

Dec 8, 2013 Sunday (Day 35)
SDFWE

Daily Cost: \$1,050
Cum. Cost: \$993,208

Dec 9, 2013 Monday (Day 36)

AOL 7:00 am

Open well to frac tanks 100 ppm H₂S. CWI. Set 3 frac tanks on SW corner of loc. Lay flowline to tanks. Flowline froze up. Lay 2nd flowline. Open well. RT. Tag @ 8815' c/o 135' sand. DP @ 8950'. RT. Tag and DP @ 9210'. Circulate clean. Pulled 16 stands. CWI SD

Daily Cost: \$11,850
Cum. Cost: \$1,005,058

Dec 10, 2013 Tuesday (Day 37)

AOL 7:00 am. Ran 16 stands 2-7/8 tbg. Lines froze up. Thawed lines. Ran tbg. Tag and Drill plug @ 9690'. RT. Tag and drill plug @ 9943'. RT. Tag @ 10015'. Clean out to TD 10050' kb. Circulate clean. Pumped 30 bbls 10# brine. LD 25 jts 2-7/8 tbg. Pumped 75 bbls 10# brine. LD 100 jts total. BOT @ 8184'. NU well to frac tanks. Well flowing on 32/64 choke. Hauled 1960 bbls from frac tanks. SD

Daily Cost: \$14,527
Cum. Cost: \$1,019,585

Dec 11, 2013 Wednesday (Day 38)

AOL 7:00 am.

200 ppm H₂S. Flowlines to frac tanks frozen. Thawed flowline. Pumped 260 bbls 10# brine down tbg to kill well. RD reverse unit. Pulled one stand. Tbg started flowing. Pumped 80 bbls 10# brine down tbg. Tbg still flowing. CWI SD

Daily Cost: \$15,250
Cum. Cost: \$1,034,835

Dec 12, 2013 Thursday (Day 39)

AOL 7:00 am. Tbg flowing. RU One Source pump trk. Pumped 60 bbls 10# brine down tbg. Pulled 125 stands 2-7/8 L80 tbg, pump open sub, bit. Ran BP, 1- MA jt, 8' sand screen, 2-7/8 x 5-1/2 TAC, SN, packer, gas separator, 2-7/8 x 2' sub, mech SN w/18" strainer nipple, 249 jts 2-7/8 L80 tbg. SN @ 8163'. ND BOP. Set TAC 20 pts. Land tbg. NU wellhead. Ran 2-1/2 x 1-1/2 x 30' RXBM pump, 26k shear tool, 8- 1-1/2 c kbars, 14- 1" kd rods. CWI SD.

Daily Cost: \$66,600
Cum. Cost: \$1,101,208

Dec 13, 2013 Friday (Day 40)

AOL 7:00 am

Ran 104 1" kd rods w/slim hole couplings, 131- 1.25" fg rods. Spaced well out. Hung well on. Load tbg w/one bbl. 3 strokes w/pump 500 psi. Could not rig down due to wind.

Daily Cost: \$9,600
Cum. Cost: \$1,110,808

Dec 14, 2013 Saturday (Day 41)

SDFWE

Daily Cost:
Cum. Cost: \$1,110,808

Dec 15, 2013 Sunday (Day 42)

SDFWE

Daily Cost:
Cum. Cost: \$1,110,808

Dec 16, 2013 Monday (Day 43)

AOL 7:00 am.

RD PU. Set back pressure valve 250 psi. Set choke on csg to 32/64. Left well SD. Final report. Released to production.

Daily Cost: \$1,000
Cum. Cost: \$1,123,258

Date	Lease	WELL #	BOPD	MCFD	BWPD	Tbg PSI	Csg PSI	Inj Rate	Choke Size	Remarks
12/17/2013	Andrews Univ 31-4	2								
	just released to prod. Well is currently in test									
12/18/2013	Andrews Univ 31-4	2								
	Has to go to battery bc of 200 PPM H2S finishing building battery									
12/19/2013	Andrews Univ 31-4	2								
	Has to go to battery bc of 200 PPM H2S finishing building battery									
12/20/2013	Andrews Univ 31-4	2								
	on to bttv today									
12/21/2013	Andrews Univ 31-4	2	8	16	300					
	down on power									
12/22/2013	Andrews Univ 31-4	2	0	4	50					
12/23/2013	Andrews Univ 31-4	2	0	0	309					
12/24/2013	Andrews Univ 31-4	2	0	20	299					
12/25/2013	Andrews Univ 31-4	2	0	43	391					
12/26/2013	Andrews Univ 31-4	2	0	69	291					
12/27/2013	Andrews Univ 31-4	2	19	59	132					
12/28/2013	Andrews Univ 31-4	2	3	70	256					
12/29/2013	Andrews Univ 31-4	2	0	0	262					
	Comp. down, discharge frozen									
12/30/2013	Andrews Univ 31-4	2	22	0	383					
12/31/2013	Andrews Univ 31-4	2	11	1	336					
	Comp. down, high discharge.									
1/1/2014	Andrews Univ 31-4	2	22	35	360					
1/2/2014	Andrews Univ 31-4	2	33	80	407					
1/3/2014	Andrews Univ 31-4	2	52	109	372					
1/4/2014	Andrews Univ 31-4	2	47	127	330					
1/5/2014	Andrews Univ 31-4	2	50	164	292					
1/6/2014	Andrews Univ 31-4	2	71	121	198					
1/7/2014	Andrews Univ 31-4	2	61	9	220					
1/8/2014	Andrews Univ 31-4	2	72	51	168					
1/9/2014	Andrews Univ 31-4	2	121	181	165					
1/10/2014	Andrews Univ 31-4	2	83	106	203					
1/11/2014	Andrews Univ 31-4	2	86	190	202					
1/12/2014	Andrews Univ 31-4	2	105	212	228					
1/13/2014	Andrews Univ 31-4	2	111	218	127					
1/14/2014	Andrews Univ 31-4	2	98	218	188					
1/15/2014	Andrews Univ 31-4	2	99	241	237					
1/16/2014	Andrews Univ 31-4	2	99	239	161					
1/17/2014	Andrews Univ 31-4	2	118	240	107					
1/18/2014	Andrews Univ 31-4	2	105	222	186					
1/19/2014	Andrews Univ 31-4	2	99	229	185					

1/20/2014	Andrews Univ 31-4	2	131	236	175					
1/21/2014	Andrews Univ 31-4	2	110	244	41					
1/22/2014	Andrews Univ 31-4	2	132	240	87					

Andrews University 31-4 # 2

Andrews Co., TX

Well ID: 04105-002

Zone: Wolfberry Field: Block 5

AFE # 131240:

LOWERING JOB

Jul 16, 2014 Wednesday (Day 1)

Day 1, MI & RU Lucky well serv rig # 121, flow back tank, pump truck, blow gas off tbg to flow back tank, pump 40 bbls 2% KCL wtr down csg, lay down horses head and polished rod, unseat pump and POH w/ rods and pump, pump 40 bbls 2% KCL wtr down csg, ND well head, NU BOP, release TAC & POH and tally 120 jts of tubing, SDFN, left well open to flow line

Daily Cost: \$11,060

Cum. Cost: \$11,060

Jul 17, 2014 Thursday (Day 2)

Day 2, blow gas press off well through flow back tank, recovered no fluid, pump 40 bbls 2% KCL wtr down csg, POH w/ remainder of tubing and BHA, pump 40 bbls 2% KCL wtr down csg, PU & RIH w/ pin collar on bottom of 2 1/2" X 3 1/2" X 28' mud anchor, 2 7/8" X 6' perf L-80 tbg sub, 2 1/2" mechanical S/N w/ 1 1/2" X 20 dip tube screwed in bottom, 54 jts 2 7/8" L-80 EUE 8rd tbg, 2 7/8" X 5.5" TAC w/ double drag springs and 35,000# shear pins, 251 jts 2 7/8" L-80 EUE 8rd tbg, tag fill @ 10,036', lay down one joint, Set TAC @ 8215.33' w/ 20,000# tension, pump 40 bbls 2% KCL wtr down csg, ND BOP, NU well head, SDFN, left well open to flow line.

Daily Cost: \$8,560

Cum. Cost: \$19,620

Jul 18, 2014 Friday (Day 3)

Day 3, blow gas press off well through flow back tank, recovered no fluid, MI & RU Tech Mgmt, pump down tbg w/ 55 gal 32% HCL acid, 330 gal SCW-629 Scale Inhibitor mixed w/ 20 bbls fresh wtr, followed by 55 gal WAW-509 biocide surfactant, mixed w/ 85 bbls 2% KCL wtr for flush, PU & RIH w/ 2 1/2" X 1 1/4" X 30' RHBM w/ HVR, BDV, S/N CW-558 w/ 298" stroke, 21K shear tool, eight 1.5" K-bars, 75-7/8" KD rods, 119-1" KD rods, 129-1.2 FG rods, two 1.2" X 6' FG pony rods, one 1.2" X 3' FG pony rod, one 1 1/2" X 26' polished rod, NU well head, seated pump and space out rods, load tbg w/ 31 bbls 2% KCL wtr and press tbg to 500# w/pump truck-OK, release press and re-press tbg to 500# w/ downhole pump-OK, hang well on, RD & MO Lucky well serv rig # 121, left well shut off and open to flow line. Snelson Pumping Unit Service will balance, re-stroke and lower speed to 7.5 SPM in AM

Daily Cost: \$19,560

Cum. Cost: \$39,180

Jul 21, 2014 Monday (Day 1)

Day 1, MIRU Lucky well service rig # 121, blow gas press off well, lay down horses head and polished rod, found rods mis-spaced and had unseated pump. Respaced rods added one 1.25" X 18' FG pony rod, laid down one 1.25" X 3' FG pony rod, seated pump, loaded tbg w/ 26 bbls 2% KCL wtr, press tbg to 500# w/ pump truck-OK, release press and re-press tbg to 500# w/ downhole pump-OK, space out rods and hang well on, turn unit on and observe good card in SAM's box, RDMO Lucky well serv rig # 121, left well on auto.

Daily Cost: \$3,150

Cum. Cost: \$3,150

Date	Lease	WELL #	BOPD	MCFD	BWPD	Tbg PSI	Csg PSI	Inj Rate	Choke Size	Remarks
7/22/14	Andrews Univ 31-4	2	55	2	161					
7/23/14	Andrews Univ 31-4	2	0	7	185					
7/24/14	Andrews Univ 31-4	2	2	13	128					