

Zone: 1 Field: Block 5

API: 42-003-45642

AFE # 131242

Wolfberry completion(Russell Pullin)

Dec 4, 2013 Wednesday (Day 1)

NU csg valves above surface; Fill cellar w/ pea gravel; Clean & restore location. MI & set catwalk & racks. Unload & rack 389 jts 2 7/8" 8rd eue 6.5# L80 tbg. Set 4 PU anchors. MI RU PU; NU BOP; SIW SDFN

Daily Cost: \$90,920

Cum. Cost: \$90,920

Dec 5, 2013 Thursday (Day 2)

AOL @ 7:30 am. P/u 4 5/8" rock bit, bit sub & 68 jts 2 7/8" tbg. Ice building up on rig & tbg slips. SIW SDFN.

Daily Cost: \$2,950

Cum. Cost: \$93,870

Dec 6, 2013 Friday (Day 3)

SD; icy conditions.

Daily Cost: \$850

Cum. Cost: \$94,720

Dec 7, 2013 Saturday (Day 4)

SDFWE

Daily Cost: \$850

Cum. Cost: \$95,570

Dec 8, 2013 Sunday (Day 5)

SDFWE

Daily Cost: \$850

Cum. Cost: \$96,420

Dec 9, 2013 Monday (Day 6)

AOL @ 7:00 a.m. Finish TIH w/ tbg. Tag PBTD @ 12,555' w/ 383 jts. Tbg. SIW SDFN

Daily Cost: \$137,425

Cum. Cost: \$233,845

Dec 10, 2013 Tuesday (Day 7)

AOL 7:00 am. MI RU Shack Energy and One Source vac trks to pickle and spot. BOT @ 12548'. Pressure test 4800 psi. Held OK. Pumped 500 gal Xylene, 5 bbls fresh water, 500 gals 10% NEFE acid, 300 bbls 2% kcl water. LD 30 jts 2-7/8 tbg. Spot 1000 gals 10% Acetic acid @ 11619'. RD Shack Energy and One Source vac trks. Pulled 182 stands 2-7/8 tbg, bit sub, bit. CWI SD

Daily Cost: \$17,950

Cum. Cost: \$251,795

Dec 11, 2013 wednesday (Day 8)

AOL 7:00 am

MI RU HES wireline and One Source pump trk to log. Ran RCBL/GR/CCL from 12543' to 3400' w/1500 psi on casing. TOC @ 3642'. WLTD @ 12551'. Ran CSNG/GR/CCL from 12549' to 4900'. HES wireline stayed rigged up to perforate (per Armando).

Daily Cost: \$19,450

Cum. Cost: \$271,245

Dec 12, 2013 Thursday (Day 9)

Pulling unit and wireline trk waiting on orders on perforations. RD HES wireline. CWI SD

Daily Cost: \$5,300

Cum. Cost: \$277,795

Dec 13, 2013 Friday (Day 10)

AOL @ 7:00 a.m. RU HES wireline. TIH w/ perforating guns(3 1/8" slick guns w/ 19 gram charges); Perforate 11,610'-11,624' w/ 56 holes. POOH; RD release HES wireline. P/u 5 1/2" x 2 7/8" AS1X pkr. TIH w/ 351 jts tbg. RU Shack Energy Services acidizers; Reverse circulate 24 bbls 2% kcl fw to transfer acetic acid into tbg. Set pkr @ 11,528.50'. Pressure up on annulus to 560 psi and hold. Switch lines to tbg. BDF @ 5901 psi @ 1.1 bpm. Pumped 24 bbls 10% acetic acid + 40 bbls 2% kcl fw. ISIP - 5650 psi., 5 min SIP - 5575 psi, 10 min SIP - 5510 psi, 15 min SIP - 5480 psi. RD release Shack Energy Services. Left well SI overnight.

Daily Cost: \$16,550

Cum. Cost: \$294,345

Dec 14, 2013 Saturday (Day 11)

AOL @ 7:00 a.m. Opened well; 4950 psi. Well dead in 15 mins. RU swab; IFL @ surface; Made 12 runs; Recovered 131 bbls fluid. Last 2 runs had slight show of oil. EFL @ 11,520'. SIW SDFWE

Daily Cost: \$5,000
Cum. Cost: \$299,345

Dec 15, 2013 Sunday (Day 12)

SDFWE

Daily Cost: \$1,200
Cum. Cost: \$300,545

Dec 16, 2013 Monday (Day 13)

AOL 7:00 am. Made one run w/swab. Fluid level 9100' from surface 2% oil. RD swab. RU Shack Energy to acidize. Load tbg w/ 59 bbls. Released packer. Spot acid w/64 bbls 2% kcl water. Set packer. Pressure csg 500 psi. Pumping @ 1.1 bpm 5960 psi. 58 bbls acid and flush away. Pressure @ 6030 psi. ISIP 6000 psi. 5 min 5871 psi. 10 min 5836 psi. 15 min 5797 psi. Open well 2:30 pm. 5500 psi on tbg. Bled pressure off. RU swab. Made 10 swab runs. Left fluid level @ 7600' from surface. Swab back 111 bbls all water. Did not see acid or acid gas. Total 128 bbls load. CWI SD

Daily Cost: \$19,150
Cum. Cost: \$333,395

Dec 17, 2013 Tuesday (Day 14)

AOL 7:00 am.

50 psi on tbg. Fluid level 7500' from surface. Made 5 runs. Recovered some acid and acid gas. Swabbed total 25 bbls. Left fluid level @ 10000' from surface. Load tbg w/60 bbls fresh water. Released packer. Pulled 176 stands, one single and packer. RU Cased Hole Solutions. Set CIBP @ 11580'. Ran perforating gun. Perforate @ 11548-11554 6 SPF 36 holes. Dumped 10' cement on plug. RD Cased Hole Solutions. CWI SD

Daily Cost: \$13,350
Cum. Cost: \$346,745

Dec 18, 2013 Wednesday (Day 15)

AOL 7:00 am

Ran 2-7/8 x 5-1/2 full bore packer, SN, 352 jts 2-7/8 L80 tbg. BOT 11553'. MI RU Shack Energy. Spot 1000 gals 15% NEFE acid. Pumped acid and 67 bbls 2% KCL water to spot. LD 3 jts. Set packer @ 11454'. Pressure csg 500 psi. Pumped 6.3 bbls @ .2 bpm @ 6400 psi. Formation broke down. Pressure dropped to 1711 psi. Flush with 25 bbls. 93 bbls total load. ISIP 1465 psi. 5 min 923 psi. 10 min 859 psi. 15 min 838 psi. CWI. RD Shack Energy. RU swab equipment. Open well @ 3:00 pm. 800 psi on tbg. First hour flowed 65 bbls. Second hour 12/64 choke flowed 40 bbls 1500 psi all oil. Third hour 46 bbls 1300 psi all oil. SD. Flow back crew on location. Flow a total of 15hours recovered approximately 275 bbls of oil. This morning flowing on 12/64 choke with 800 psi. RU separator this morning.

Daily Cost: \$15,400
Cum. Cost: \$362,145

Dec 19, 2013 Thursday (Day 16)

Well flowed 275 bbls - 11 hrs. 800 psi on tbg. CWI 8:00 am. RD PU. MI RU Well Foam w/separator and flare to watch flowback. Had problems with separator operation that delayed opening well. Open well @ 4:00 pm 1200 psi on tbg. Flowing 14 hours ending at 6 am. Recovered 230 BO, 0 BW & 229 MCF on 19/64" choke, 700 PSI. Last rate 19 BO/HR and 20 MCF/HR. Continue to flow well.

Daily Cost: \$6,350
Cum. Cost: \$366,595

Dec 20, 2013 Friday (Day 17)

Flowing 14 hours ending at 6 am. Recovered 230 BO, 0 BW & 229 MCF on 19/64" choke, 700 PSI. Last rate 19 BO/HR and 20 MCF/HR. Continue to flow well.

Daily Cost: \$6,570
Cum. Cost: \$375,215

Dec 21, 2013 Saturday (Day 18)

Flowed 24 hrs., Recovered 484 BO, 0 BW, 499 mcf, 17 BOPH, 0 BWPH, 20 MCFPH, 400 psi, 25/64" choke

Daily Cost: \$5,600
Cum. Cost: \$380,815

Dec 22, 2013	Sunday	(Day 19)	Flow 24 hrs. Recovered, 454 BO, 0 BW, 483 MCFD, 6 BOPH, 0 BWPH, 8 MCFPH, 450 psi, 13/64" choke. Reduced choke size for lack of tank room. More test tanks will be set tomorrow.	Daily Cost:	\$5,600
				Cum. Cost:	\$386,415
Dec 23, 2013	Monday	(Day 20)	Flowing 24 hrs. 500 psi. 28/64" choke. Recovered 365 BO, 0 BW, 506 MCF; 18 BOPH, 0 BWPH, 35 MCFPH.	Daily Cost:	\$6,600
				Cum. Cost:	\$393,015
Dec 24, 2013	Tuesday	(Day 21)	Well flowing 24 hrs. 450 psi, 30/64" choke. Recovered 376 BO, 0 BW, 1078 MCF; 13 BOPH, 0 BOPH, 50 MCFPH; 6:00 am -8:00 am flow back 30 bbls. Flow back 30 bbls 99 mcf of gas. RD Well Foam. MI RU Fesco wireline. Ran bottom hole pressure bomb. Set bomb in seat nipple @ 11553'. RD Fesco.	Daily Cost:	\$8,400
				Cum. Cost:	\$401,415
Dec 25, 2013	Wednesday	(Day 22)	SI pressure build up.	Daily Cost:	\$1,100
				Cum. Cost:	\$402,515
Dec 26, 2013	Thursday	(Day 23)	SI pressure build up.	Daily Cost:	\$1,100
				Cum. Cost:	\$403,615
Dec 27, 2013	Friday	(Day 24)	SI for BHP build up.	Daily Cost:	\$500
				Cum. Cost:	\$404,115
Dec 28, 2013	Saturday	(Day 25)	SI for BHP build up.	Daily Cost:	\$500
				Cum. Cost:	\$404,615
Dec 29, 2013	Sunday	(Day 26)	SI for BHP build up.	Daily Cost:	\$500
				Cum. Cost:	\$405,115
Dec 30, 2013	Monday	(Day 27)	MI RU Fesco wireline to pull BHBP 1000 psi on tbg. RD Fesco. CWI.	Daily Cost:	\$9,600
				Cum. Cost:	\$414,715
Dec 31, 2013	Tuesday	(Day 28)	Waiting on orders	Daily Cost:	\$1,000
				Cum. Cost:	\$415,715
Jan 1, 2014	Wednesday	(Day 29)	Waiting on orders.	Daily Cost:	\$1,000
				Cum. Cost:	\$416,715
Jan 2, 2014	Thursday		Waiting on orders.		
Jan 2, 2014	Thursday		Waiting on orders.		
Jan 6, 2014			Waiting on orders.		

[illegible]

2/1/2014	Samson Univ 7	6	18	566	0	100			30/64	
2/2/2014	Samson Univ 7	6	9	446	0	100			20/64	
2/3/2014	Samson Univ 7	6	0	155	0	70			20/64	
2/4/2014	Samson Univ 7	6	0	110	0	70			20/64	
2/5/2014	Samson Univ 7	6	0	102	0	60			20/64	
2/6/2014	Samson Univ 7	6	0	82	0	60			20/64	
2/7/2014	Samson Univ 7	6	0	65	0	60			20/64	
2/8/2014	Samson Univ 7	6	0	71	0	50			20/64	
2/9/2014	Samson Univ 7	6	0	67	0	40			20/64	
2/10/2014	Samson Univ 7	6	0	66	0	40			20/64	
2/11/2014	Samson Univ 7	6	0	0	0	40			20/64	
2/12/2014	Samson Univ 7	6	0	0	0	40			20/64	
2/13/2014	Samson Univ 7	6	0	0	0	40			20/64	
2/14/2014	Samson Univ 7	6	0	0	0					No Report
2/15/2014	Samson Univ 7	6								No Report
2/16/2014	Samson Univ 7	6								No Report
2/17/2014	Samson Univ 7	6								No Test
2/18/2014	Samson Univ 7	6								No Test
2/19/2014	Samson Univ 7	6	0	0	0	40			20/64	
2/20/2014	Samson Univ 7	6								No Test
2/21/2014	Samson Univ 7	6	0	0	0	40			20/64	
2/22/2014	Samson Univ 7	6	0	0	0	40			20/64	
2/23/2014	Samson Univ 7	6								No test
2/23/2014	Samson Univ 7	6	0	0	0	40			20/64	
2/25/2014	Samson Univ 7	6								No test
2/28/2014	Samson Univ 7	6								Pulling Unit
3/1/2014	Samson Univ 7	6								Pulling Unit
3/2/2014	Samson Univ 7	6								No test
3/3/2014	Samson Univ 7	6								No test

Samson University 7 # 6

Andrews Co., TX

Well ID: 76969-006

Zone: 1 Field: Block 5

AFE # 131242

Wolfberry completion - Test 2nd zone.

Feb 26, 2014 Wednesday (Day 30)

AOL 7:30 am. MI set rig mat. RU PU. Bled pressure off well. Worked to release packer approx one hour. Released packer. MI RU hot oiler. Pumped 75 bbls 2% KCL fresh water w/15 gals of 3505 chemical. RD hot oiler. Pulled 351 jts 2-7/8 L80 tbg, SN and full bore packer. CWI SD

Daily Cost: \$7,100

Cum. Cost: \$423,815

Feb 27, 2014 Thursday (Day 31)

AOL 8:30 am. MI RU Cased Hole Solutions. Set CIBP @ 11540'. Load casing with 238 bbls 2% KCL fresh water. Pressure test 3000 psi. Held OK. Perforate @ 11502-11522 6 JSPF 120 holes. Dumped 10' cement on CIBP. RD Cased Hole Wireline. CWI Rig down for repairs.

Daily Cost: \$13,900
Cum. Cost: \$437,715

Feb 28, 2014 Friday (Day 32)

AOL 7:30 am. Ran one jt, packer, SN, 175 stands 2-7/8 tbg. Set packer @ 11454'. RU swab equipment. First run fluid level 9100' from surface. Made four runs. Fluid level still @ 9100'. Swabbed back 16 bbls. Last run 40% oil. CWI SD.

Daily Cost: \$7,600
Cum. Cost: \$445,315

Mar 1, 2014 Saturday (Day 33)
SDFWE

Daily Cost: \$1,000
Cum. Cost: \$446,315

Mar 2, 2014 Sunday (Day 34)
SDFWE

Daily Cost: \$1,000
Cum. Cost: \$447,315

Mar 3, 2014 Monday (Day 35)

AOL @ 7:30 a.m. Release pkr. POOH w/ tbg. Planned to wireline set CIBP. Plans were changed; Order BHA equipment. P/u BHA & TIH w/ tbg. Set Mechanical S.N. @ 11,422.90'kb' Set TAC @ 11,471.44'kb w/ 20 k tension. SIW SDFN

Daily Cost: \$11,160
Cum. Cost: \$458,475

Mar 4, 2014 Tuesday (Day 36)

AOL 7:30 am. ND BOP. Land tbg. RU to run rods. Ran 2-1/2" x 1-1/2" x 30' RXBM pump, 26 k shear tool, 8- 1.5 kbars, 98- 7/8 kd rods w/FHTC, 111- 1" kd rods w/SHTC, 157- 1.25 fg w/SHTC, 1- 18', 1- 9' subs, 1-1/2 x 26' polish rod. Spaced well. Hung well on. 40 bbls to load 500 psi. Test 500 psi with pump. SD.

Daily Cost: \$79,850
Cum. Cost: \$538,325

Mar 5, 2014 Wednesday (Day 37)

AOL @ 7:30 a.m. RD MO PU; NU WH to separator. Release to production; Final report.

Daily Cost: \$1,900
Cum. Cost: \$540,225

Date	Lease	WELL #	BOPD	MCFD	BWPD	Tbg PSI	Csg PSI	Inj Rate	Choke Size	Remarks
3/4/2014	Samson Univ 7	6								No test
3/5/2014	Samson Univ 7	6								
	3-5-14 onto frac tanks- gas to bttv sales									
3/6/2014	Samson Univ 7	6	24	15	67	300	60		20/64	
	3-5-14 onto frac tanks- gas to bttv sales									
3/7/2014	Samson Univ 7	6	61	58	47	300	40		20/64	
3/8/2014	Samson Univ 7	6	39	99	3	300	40		20/64	
3/9/2014	Samson Univ 7	6	31	106	9	300	40		20/64	
3/10/2014	Samson Univ 7	6	30	79	5	300	40		20/64	
3/10/2014	Samson Univ 7	6	14	99	0	300	40		20/64	
3/12/2014	Samson Univ 7	6	22	100	4	300	40		20/64	
3/13/2014	Samson Univ 7	6	18	85	5	300	40		20/64	
3/14/2014	Samson Univ 7	6	0	80	39					

	No test, had to treat frac tank & pull bottoms to get ready to sell									
3/15/2014	Samson Univ 7	6	4	80	35					Frac tank
3/16/2014	Samson Univ 7	6	9	30	5					
3/17/2014	Samson Univ 7	6	9	0	4					Frac tank
3/18/2014	Samson Univ 7	6	8	27	5	300	40		20	Frac tank
3/19/2014	Samson Univ 7	6	5	25	5	300	40		20/64	frac tank, gas bttb sales
3/20/2014	Samson Univ 7	6	9	19	9					
3/21/2014	Samson Univ 7	6	4	23	4					
3/22/2014	Samson Univ 7	6	4	37	5					
3/23/2014	Samson Univ 7	6	5	37	4					
3/24/2014	Samson Univ 7	6	5	62	5					
3/25/2014	Samson Univ 7	6	5	39	4					
3/26/2014	Samson Univ 7	6	5	44	4					
3/27/2014	Samson Univ 7	6								No test
3/28/2014	Samson Univ 7	6	100	85	0					
3/29/2014	Samson Univ 7	6	5	30	0					
3/30/2014	Samson Univ 7	6	5	35	0					
3/31/2014	Samson Univ 7	6	2	35	18					
4/1/2014	Samson Univ 7	6	24	0	72					
4/2/2014	Samson Univ 7	6	1	0	4					
4/3/2014	Samson Univ 7	6	5	0	0					
4/4/2014	Samson Univ 7	6	5	0	0					
4/5/2014	Samson Univ 7	6	5	0	0					
4/6/2014	Samson Univ 7	6	3	0	3					
4/7/2014	Samson Univ 7	6	9	0	11					Frac tanks

Samson University 7 # 6

Andrews Co., TX

Well ID: 76966-001

Zone: 1 Field: Block 5

Add 6 stages

Aug 4, 2014 Monday (Day 1)

MI set rig mat. MI RU Lucky Services rig #47. Tbg flowed for 1 1/2 hrs. Unhang rods, L/d PR, unseat pump. POOH L/d rods & pump. SIW SDFN

Daily Cost: \$7,700
Cum. Cost: \$7,700

Aug 5, 2014 Tuesday (Day 2)

AOL @ 7:00 a.m. Bled off pressure. ND WH; NU BOP; Release TAC. MI & set catwalk & racks. POOH w/ tbg. L/d 6 jts tbg. SIW SDFN

Daily Cost: \$7,100
Cum. Cost: \$13,300

Aug 6, 2014 Wednesday (Day 3)

AoL @ 7:00 a.m. Blew well down. MI RU Casedhole Solutions WL. TIH & set CIBP @ 11,350'. POOH; Mix 2 sx cmt. TIH & dump cmt on CIBP. POOH; RD release Casedhole solutions WL. TIH w/ 342 jts tbg. EOT @ 11,210'. SIW SDFN Ready to spot acetic acid.

Daily Cost: \$11,900
Cum. Cost: \$25,200

Aug 7, 2014 Thursday	(Day 4)		
AOL @ 7:00 a.m. Blew well down. MI RU Shack Energy Services & 3 vacuum trucks. Pumped 150 bbls 2% kcl fw, 24 bbls 10% acetic acid, & 58 bbls 2% kcl fw. Acid spot @ 11,210'. Test csg to 4852 psi. Bled off pressure. RD release Shack Energy Services. POOH, L/d tbg. ND BOP. FU WH; RD MO PU, Ready to perforate stage #1.		Daily Cost:	\$12,400
		Cum. Cost:	\$37,600
Aug 8, 2014 Friday	(Day 5)		
Ready to perforate stage #1.		Daily Cost:	\$800
		Cum. Cost:	\$38,400
Aug 9, 2014 Saturday	(Day 6)		
Ready to perforate stage #1.		Daily Cost:	\$800
		Cum. Cost:	\$39,200
Aug 10, 2014 Sunday	(Day 7)		
Ready to perforate stage #1.		Daily Cost:	\$800
		Cum. Cost:	\$40,000
Aug 10, 2014 Sunday	(Day 7)		
Ready to perforate stage #1.		Daily Cost:	\$800
		Cum. Cost:	\$40,000
Aug 12, 2014			
Waiting on report			
Aug 13, 2014 Wednesday	(Day 10)		
MI & set 10 frac tanks + 1 acid tank. Ready to perforate stage #1.		Daily Cost:	\$3,500
		Cum. Cost:	\$45,100
Aug 14, 2014 Thursday	(Day 11)		
Ready to perforate stage #1.		Daily Cost:	\$1,400
		Cum. Cost:	\$46,500
Aug 15, 2014 Friday	(Day 12)		
Ready to perforate stage #1.		Daily Cost:	\$1,100
		Cum. Cost:	\$47,600
Aug 16, 2014 Saturday	(Day 13)		
Ready to perforate stage #1.		Daily Cost:	\$1,100
		Cum. Cost:	\$48,700
Aug 17, 2014 Sunday	(Day 14)		
Ready to perforate stage #1.		Daily Cost:	\$1,100
		Cum. Cost:	\$49,800
Aug 18, 2014 Monday	(Day 15)		
ND 7 1/16" x 5k production head; NU 7 1/16" x 10k frac stack. NU flowback manifold. Ready to perforate stage #1.		Daily Cost:	\$5,360
		Cum. Cost:	\$55,160
Aug 19, 2014 Tuesday	(Day 16)		
Ready to perforate stage #1 on 8-20-14		Daily Cost:	\$1,550
		Cum. Cost:	\$56,710
Aug 20, 2014 Wednesday	(Day 17)		
Add pay above Mississippian			
Frac with Frac Specialists pumping services. Fracture treated 6 stages for a total of 6 stages. Pumped 40,992 GALS treated water, 14,411 GALS NeFe 15% HCL acid, 281,232 GALS PAD-Water Frac XL G-R (15) and 723,030 GALS FRAC-Water Frac (GR-15) 15 LBS/1000 GAL carrying 340,960 LBS of Versaprop 18/40 mesh proppant, 595,420 LBS of RCS Pearl 20/40 mesh proppant, 40,400 LBS of Garnett 20/40 mesh proppant, and			

294,008 LBS of Ottawa 20/40 mesh proppant. Total Load 1,059,665 GALS. Total proppant 1,270,788 LBS. BLWTR 25,230 BBLs.

STAGE 1: MIRU Frac Specialists, Cased Hole Solutions, and Performance Chemicals. Held safety meeting. PBTD. Perforate @ 11,200' – 11,204', 11,117' – 11,121', 11,076' – 11,084', 11,026' – 11,034', 10,988' – 10,994'. Frac Penn @ 10,988' – 11,204' - 60 holes. FMBD at 5260 PSI. Sand fracture treated with a 15LB/1000 GAL cross-linked gel as follows: 7,560 GALS treated water, 4,168 GALS NeFe 15 % HCL acid, 40,950 GALS PAD-WATER Frac, 92,988 GALS FRAC-WATER Frac, and 148,631 LBS of Versaprop 18/40 mesh proppant. Total Load 145,666 GALS. Maximum pressure 6250 PSI, average treating pressure 6048 PSI, maximum pump rate 70 BPM, average rate 64 BPM. ISIP-4900 PSI. Frac gradient-0.882 PSI/FT. BLWTR-3468. Zone went on a 25 BPM vacuum on breakdown.

STAGE 2: Set plug @ 10,960'. Perforate @ 10,946' – 10,949', 10,909' – 10,913', 10,872' – 10,875', 10,822' – 10,826', 10,778' – 10,781', 10,704' – 10,707', 10,676' – 10,680'. Frac Strawn @ 10,676' – 10,949' - 49 holes. FMBD at 3444 PSI. Sand fracture treated with a 15LB/1000 GAL cross-linked gel as follows: 7,182 GALS treated water and 2,083 GALS NeFe 15 % HCL acid, 42,672 GALS PAD-WATER Frac, 111,678 GALS FRAC-WATER Frac, and 192,329 LBS of Versaprop 20/40 mesh proppant. Total load 163,615 GALS. Maximum pressure 6310 PSI, average treating pressure 6184 PSI, maximum pump rate 70.8 BPM, average rate 60 BPM. ISIP-4995 PSI. Frac gradient-0.902 PSI/FT. BLWTR-3896.

STAGE 3: CCL shorted out, came back out of hole, changed shorted CCL out with new CCL, rehead, went back downhole to set plug & perforate. Set plug @ 10,640'. Perforate @ 10,610' – 10,612', 10,550' – 10,554', 10,385' – 10,387', 10,350' – 10,353', 10,317' – 10,321', 10,299' – 10,301', 10,268' – 10,271'. Frac Lower WC @ 10,268' – 10,612' - 49 holes. FMBD at 3733 PSI. Sand fracture treated with a 15LB/1000 GAL cross-linked gel as follows: 6,846 GALS treated water, 2,078 GALS NeFe 15 % HCL acid, 34,062 GALS PAD-WATER Frac, 75,432 GALS FRAC-WATER Frac, and 146,138 LBS of RCS Pearl 20/40 mesh proppant. Total load 118,418 GALS. Maximum pressure 6390 PSI, average treating pressure 6167 PSI, maximum pump rate 71.9 BPM, average rate 60 BPM. ISIP-4357 PSI. Frac gradient-0.857 PSI/FT. BLWTR- 2819.

8/21/2014

STAGE 4: Set plug @ 10,240'. Perforate @ 10,210' – 10,211', 10,160' – 10,164', 10,126' – 10,127', 10,108' – 10,111', 10,039' – 10,041', 9,992' – 9,993', 9,938' – 9,944'. Frac BTA WC @ 9,938' – 10,211' – 52 holes. FMBD 4162. Sand fracture treated with a 15LB/1000 GAL cross-linked gel as follows: SD 15 minutes b/c could not establish cross link before starting on PAD, cross link established and started PAD, 6,342 GALS treated water, 2,061 GALS NeFe 15 % HCL acid, 52,416 GALS PAD-WATER Frac, 140,112 GALS FRAC-WATER Frac, and 229,568 LBS of RCS Pearl 20/40 mesh proppant. Total load 200,931 GALS. Maximum pressure 6269 PSI, average treating pressure 5069 PSI, maximum pump rate 62.7 BPM, average rate 60 BPM. ISIP-4562 PSI. Frac gradient-0.893 PSI/FT. BLWTR- 4784.

STAGE 5: Set plug @ 9,870'. Perforate @ 9,857' – 9,860', 9,809' – 9,812', 9,746' – 9,754', 9,574' – 9,575', 9,529' – 9,532', 9,500' – 9,502'. Frac WC Lime @ 9,500' – 9,860' - 49 holes. FMBD at 3460 PSI. Sand fracture treated with a 15LB/1000 GAL cross-linked gel as follows: 5,502 GALS treated water, 2,016 GALS NeFe 15 % HCL acid, 50,820 GALS PAD-WATER Frac, 133,770 GALS FRAC-WATER Frac, and 219,714 LBS of RCS Pearl 20/40 mesh proppant. Total load 192,108 GALS. Maximum pressure 6008 PSI, average treating pressure 5069 PSI, maximum pump rate 69.2 BPM, average rate 64 BPM. ISIP-2713 PSI. Frac gradient-0.720 PSI/FT. BLWTR- 4574. Blender and In-Line densimeters malfunctioned on flush so treater was unable to determine proper acid spot. Ran out of acid while spotting 2nd acid. Ordered an acid transport for stage 6 spear head.

STAGE 6: Did not set plug due to possible improper acid spot. Perforate @ 9,443' – 9,446', 9,390' – 9,397', 9,300' – 9,303', 9,220' – 9,223', 9,129' – 9,132', 9,036' – 9,038'. Brokedown, and then SD to take ISIP (ISIP 2093, FG 0.666); Based on the frag gradient, decided to run back in hole with wireline to set plug; could not set plug b/c plug could not move past perms, decided to combine stage 6 with stage 5 for differential frac. Frac Upper Spraberry @ 9,036' – 9,446' – 50 holes. FMBD 1763. Sand fracture treated with a 15LB/1000 GAL

cross-linked gel as follows: 7,560 GALS treated water, 2,005 GALS NeFe 15 % HCL acid, 60,312 GALS PAD-WATER Frac, 169,050 GALS FRAC-WATER Frac, 40,400 LBS of RCS Garnett 20/40 mesh proppant, and 294,008 LBS of Ottawa 20/40 mesh proppant. Total load 238,927 GALS. Maximum pressure 3815 PSI, average treating pressure 3506 PSI, maximum pump rate 70.9 BPM, average rate 70 BPM. ISIP-1264 PSI. Frac gradient-0.577 PSI/FT. BLWTR- 5689.

Daily Cost: \$721,546
Cum. Cost: \$782,306

Aug 22, 2014 Friday (Day 19)
MI & set 3 flowback tanks. NU WH to tanks. Opened well @ 4:00 p.m. on 20/64" choke; 900 psi.

Daily Cost: \$3,960
Cum. Cost: \$786,266

Aug 23, 2014 Saturday (Day 20)
14 hrs flowing
850 psi
0 BO
320 BLWR
20/64" choke

Daily Cost: \$1,760
Cum. Cost: \$788,026

Aug 24, 2014 Sunday (Day 21)
24 hrs flowing
0 BO
1320 BLWR
20/64" choke

Daily Cost: \$3,930
Cum. Cost: \$791,956

Aug 25, 2014 Monday (Day 22)
24 hrs flowing
0 BO
1285 BLWR
680 psi
20/64" choke

Daily Cost: \$3,930
Cum. Cost: \$795,886

Aug 26, 2014 Tuesday (Day 23)
24 hrs flowing
400 psi
0 BO
990 BLWR
22/64" choke

Daily Cost: \$3,197
Cum. Cost: \$799,083

Aug 27, 2014 Wednesday (Day 24)
24 hrs flowing
300 psi
0 BO
930 BLWR
22/64 choke

Daily Cost: \$3,442
Cum. Cost: \$802,525

Aug 28, 2014 Thursday (Day 25)
24 hrs flowing
100 psi
0 BO
990 BLWR
30/64" choke

Clayton Williams - Midland
DAILY OPERATIONS REPORT - (Selected Days)

1/2/2014 thru 10/8/2014

Printed Oct 8, 2014 Page 6

Samson University 7 # 6

Andrews Co., TX

Well ID: 76969-006

Zone: Wolfberry Field: Block 5

Daily Cost: \$3,197
Cum. Cost: \$805,722

Aug 29, 2014 Friday (Day 26)
24 hrs flowing
100 psi
0 BO
1210 BLWR
30/64" choke

Daily Cost: \$3,686
Cum. Cost: \$809,408

Aug 30, 2014 Saturday (Day 27)
24 hrs flowing
100 psi
0 BO
610 BLWR
30/64" choke

Daily Cost: \$2,290
Cum. Cost: \$811,698

Aug 31, 2014 Sunday (Day 28)
24 hrs flowing
100 psi
0 BO
430 BLWR
30/64" choke

Daily Cost: \$1,910
Cum. Cost: \$813,608

Sep 1, 2014 Monday (Day 29)
24 hrs flowing
50 psi
0 BO
230 BLWR
30/64" choke

Daily Cost: \$1,460
Cum. Cost: \$815,068

Sep 2, 2014 Tuesday (Day 30)
24 hrs flowing
50 psi
0 BO
98 BLWR
30/64" choke

Daily Cost: \$1,000
Cum. Cost: \$816,068

Sep 3, 2014 Wednesday (Day 31)
24 hrs flowing
0 psi
0 BO
40 BLWR
30/64" choke

Daily Cost: \$1,000
Cum. Cost: \$817,068

Sep 4, 2014	Thursday	(Day 32)		
24 hrs flowing				
0 psi				
0 BO				
0 BLWR				
30/64" choke				
			Daily Cost:	\$950
			Cum. Cost:	\$817,815
Sep 5, 2014	Friday	(Day 33)		
24 hrs flowing				
0 psi				
0 BO				
0 BLWR				
24/64" choke				
			Daily Cost:	\$950
			Cum. Cost:	\$818,765
Sep 6, 2014	Saturday	(Day 34)		
24 hrs flowing				
0 psi				
0 BO				
100 BLWR				
24/64" choke				
			Daily Cost:	\$1,170
			Cum. Cost:	\$819,935
Sep 7, 2014	Sunday	(Day 35)		
24 hrs flowing				
0 psi				
0 BO				
0 BLWR				
24/64" choke				
			Daily Cost:	\$950
			Cum. Cost:	\$820,885
Sep 8, 2014	Monday	(Day 36)		
24 hrs flowing 0 psi 0 BO 50 BLWR 24/64" choke MI RU PU; MI & set catwalk & racks; move tbq to racks. ND frac stack; NU production head. NU flow back spool & BOP. SIW SDFN				
			Daily Cost:	\$7,650
			Cum. Cost:	\$828,535
Sep 9, 2014	Tuesday	(Day 37)		
AOL @ 7:00 a.m. P/u 4 5/8" Hurricane bit, bit sub, float sub, & 270 jts tbq. MI RU reverse unit. Load tbq w/ 5 bbls 2% KCl fw. Pressured up to 1500 psi w/ no leak off. Should have been able to circulate. Bled off pressure. POOH w/ tbq. Found check valve in float sub installed upside down. SIW SDFN				
			Daily Cost:	\$11,950
			Cum. Cost:	\$840,485
Sep 10, 2014	Wednesday	(Day 38)		
AOL @ 7:00 a.m. P/u 4 5/8" Hurricane bit & sliding sleeve sub. TIH w/ tbq. CBPs #1, #2, & #3 not there. Encountered H2S gas. RU H2S trailer & safety men. H2S concentration @ flow back tanks over 200ppm. TIH DO CBPs #4, #5, & #6. Circulate well clean. SIW SDFN				
			Daily Cost:	\$12,860
			Cum. Cost:	\$853,345
Sep 11, 2014	Thursday	(Day 39)		
AOL, One Source PU RIH W/ 80 JTS 2 7/8" L80 TBG & tag/ DO CP 7 @ 10957'. RIH and wash 150' sand down to 11360'. Circulate 360 BBLs H2O/ 2% KCL. Pump 50 BBLs 10lb brine. ND Lucky swivel. POH LD 100 JTS & SB 156 JTS. SIW and SD 6:30pm.				
			Daily Cost:	\$11,900
			Cum. Cost:	\$865,245
Sep 12, 2014	Friday	(Day 40)		
Shut down due to weather.				
			Daily Cost:	\$4,250
			Cum. Cost:	\$869,495

Sep 14, 2014 Sunday
SDFWE

(Day 42)

Daily Cost: \$1,750
Cum. Cost: \$872,995

Sep 15, 2014 Monday (Day 43)

AOL, One Source PU POH & SB 90 JTS 2 7/8" L80 TBG. ND 4 5/8" hurricane mill & 2' sliding sleeve. NU production assembly and RIH W/ 247 JTS, SN @ 8109', PKR @ 8154', TAC @ 8157', MJ @ 8199'. Set TAC & PKR. ND BOP. NU wellhead and set TAC on 18 PTS. Switch over to run rods. RIH W/ 30' Don-Nan pump, 8 X 1.5" C rod sinker bars, 91 X 1" KD rods, & 100 X 1.25" FG rods. Complete rods in the morning. SIW & SD 6pm.

Daily Cost: \$13,200
Cum. Cost: \$886,195

Sep 16, 2014 Tuesday (Day 44)

AOL, One Source PU RIH W/ 48 X 1.25" FG rods for a total of 148. One 9' X 1.25" FG rod sub. Hang well one. Good pumping action. Space out rods. Roustabout to complete wellhead and NU flow line to battery and flow back tanks. Notify and turn over to production. RDMO PU.

Daily Cost: \$5,550
Cum. Cost: \$891,745

Samson University 7 # 6

Andrews Co., TX

Well ID: 76969-006

Zone: Wolfberry Field: Block 5

AFE # 142241

P.R. PARTED (TONY MERCADO)

Oct 16, 2014 Thursday (Day 1)

MI RIG MATT AND FLOW BACK TANK, MIRU LFR #3 AND KEY PUMP TRUCK, BLOW PSI OFF WELL TO FLOW BACK TANK, LD HORSES HEAD AND P.R., PARTED ON P.R. PIN, RIH W/2" SLIP TYPE FISHING TOOL COULDN'T CATCH FISH, RIH W/2" GRAPPLE W/LONG SLEEVE CATCH FISHING TOOL, CATCH FISH PICKED UP NEW 1 1/2 X 26' P.R. SPACE OUT WELL, HANG WELL ON LOAD TBG W/3-BBLS OF WATER W/2% KCL TEST TBG TO 550 PSI W/PUMPING UNIT AND HELD, RD LFR #3 AND KEY PUMP TRUCK, LEFT UNIT ON AUTO. MO.

Daily Cost: \$6,260
Cum. Cost: \$6,260

Oct 30, 2014 Thursday (Day 1)

MI RIG MATT AND FLOW BACK TANK, MIRU MASON RIG AND KEY PUMP TRUCK, BLOW PSI OFF WELL TO TANK, LOAD TBG W/5-BBLS OF WATER W/2% KCL TEST TO 500 AND HELD, LD HORSES HEAD AND P.R. UNSEAT PUMP, PUMP 40-BBLS OF WATER RESEAT PUMP, LOAD TBG W/23-BBLS OF WATER TEST TBG TO 500 PSI W/PUMPING UNIT AND HELD, LEFT UNIT ON AUTO SDFN. RD AM.

Daily Cost: \$4,760
Cum. Cost: \$4,760

Oct 31, 2014 Friday (Day 2)

AOL CHECK WELL HAD WEAK PUMP ACTION, MIRU KEY PUMP TRUCK PUMP 35-BBLS OF WATER W/2% KCL DOWN THE CSG, LD HORSES HEAD AND P.R., UNSEAT PUMP POOH W/RODS AND PUMP, SECURE WELL SDFW. (RR PUMP W/ DON NAN FOR MONDAY)

Daily Cost: \$5,060
Cum. Cost: \$9,820

Nov 1, 2014 Saturday (Day 3)

NO ACTIVITY

Daily Cost: \$310
Cum. Cost: \$10,130

Nov 2, 2014 Sunday (Day 4)

NO ACTIVITY

Daily Cost: \$310
Cum. Cost: \$10,440

Nov 3, 2014 Monday (Day 5)

BLOW PSI OFF WELL TO TANK, MIRU KEY PUMP TRUCK PUMP 35-BBLS OF WATER W/2% KCL DOWN THE CSG., RIH 2 1/2 X 1 1/2 X 30' PUMP RXBM, 26-SHEAR TOOL, 8-1 1/2 K-BARS, 91-1" KD RODS, 148-1.25 FG RODS SPACE OUT WELL W/1.25 X 9' FG PONY SUB., 1 1/2 X 26' P.R., HANG WELL ON, LOAD TBG W/ 20-BBLS OF WATER W/2% KCL TEST TBG TO 550 PSI W/PUMPING UNIT AND HELD., LEFT UNIT ON HAND FOR 30-MINS AND QUIT PUMPING LD HORSES HEAD AND P.R., PULL ON RODS TO UNSEAT, DIDN'T FEEL UNSEAT POOH W/RODS AND SHEAR TOOL W/1"X1' SUB, LEFT PUMP AND PULL ROD IN THE HOLE, (CAME UNSCREW) SECURE WELL SDFN.

Daily Cost: \$11,160
Cum. Cost: \$21,600

Nov 4, 2014 Tuesday (Day 6)
NO ACTIVITY DUE TO HEAVY RAIN AND HIGH WINDS.

Daily Cost: \$3,775

Cum. Cost: \$25,375

Nov 5, 2014 Wednesday (Day 7)

BLOW PSI OFF WELL TO TANK, MIRU KEY PUMP TRUCK PUMPED 40-BBLS OF WATER W/2% KCL DOWN THE CSG., RIH W/ 1 5/8 GRAPPLE SHORT CATCH FISHING TOOL W/RODS, CATCH FISH POOH W/RODS AND FISHING TOOL, (LEFT GRAPPLE IN HOLE), UNFLANGE WELL HEAD NU B-O-P UNSET TAC, POOH W/90- JTS (SWABB TBG AND USED MUD BUCKET), SECURE WELL SDFN.

Daily Cost: \$10,260

Cum. Cost: \$35,635

Nov 6, 2014 Thursday (Day 8)

BLOW PSI OFF WELL TO TANK, MIRU KEY PUMP 40-BBLS OF WATER W/2% KCL DOWN THE CSG. CONTINUE POOH W/TBG TAC AND BHA, LAY-DOWN PUMP JT W/PUMP AND FISHING TOOL, MI PIPE RACKS AND CAT WALK W/93-JTS ON IT, RIH W/2 7/8 PIN COLLAR, 2 7/8 X 31/2 M.A. JT., 2 7/8 X 6' PF. SUB., NEW 2 7/8 MECHANICAL S.N. W/1 1/2 X 20' DIP TUBE, 76-2 7/8 L-80 JTS., EXCHANGE 2 7/8 X 5 1/2 TAC, 274- 2 7/8 L-80 JTS., SECURE WELL SDFN.

Daily Cost: \$10,835

Cum. Cost: \$46,470

Nov 7, 2014 Friday (Day 9)

BLOW PSI OFF WELL TO TANK, MIRU KEY PUMP TRUCK PUMPED 35-BBLS DOWN THE CSG., MIRU TECH MANAGEMENT ON TBG PUMP 55-GALS OF 32% HCL 330-GALS OF SCW-629 SCALE INH. MIXED W/20-BBLS OF WATER FOLLOWED BY 55-GALS OF WAW-509 BIOCIDES SURFACTANT MIXED W/85-BBLS OF WATER W/2% KCL FOR FLUSH, RIH W/2 1/2 X 1 1/4 X 30' RHEM 26-K SHEAR TOOL 1''X 1' LIFT SUB 8-1 1/2 K-BAR, 99-7/8 KD RODS, 120-1'' KD RODS, 148-1.25 FG RODS, SPACE OUT WELL 1/1.25 X 18' X 6' FG PONY SUBS, HANG WELL ON, LOAD TBG W/13-BBLS OF WATER W/2% KCL TEST TBG TO 540 PSI W/PUMPING UNIT AND HELD, LEFT UNIT DOWN OVER NIGHT, START UNIT AM, RD MASON RIG AND KEY PUMP TRUCK MONDAY AM.

Daily Cost: \$310

Cum. Cost: \$46,780

Nov 8, 2014 Saturday (Day 10)

TURN UNIT ON. NO ACTIVITY

Daily Cost: \$310

Cum. Cost: \$47,090

Nov 9, 2014 Sunday (Day 11)

NO ACTIVITY

Daily Cost: \$310

Cum. Cost: \$47,400

Date	Lease	WELL #	BOPD	MCFD	BWPD	Tbg PSI	Csg PSI	Inj Rate	Choke Size	Remarks
11/10/2014	Samson University 7	6	17	23	319					
11/11/2014	Samson University 7	6	36	33	290					
11/12/2014	Samson University 7	6	41	45	294					
11/13/2014	Samson University 7	6	52	25	258					
11/14/2014	Samson University 7	6	52	23	175					
11/15/2014	Samson University 7	6	135	38	155					
11/16/2014	Samson University 7	6	58	40	188					
11/17/2014	Samson University 7	6	58	43	97					
11/18/2014	Samson University 7	6	66	55	134					
11/19/2014	Samson University 7	6	25	11	25					
12/20/2014	Samson University 7	6	44	88	136					
12/21/2014	Samson University 7	6	74	126	110					
12/22/2014	Samson University 7	6	74	129	124					