

CONFIDENTIAL

PT Petroleum, LLC
University Red 4253B, API Number – 42-461-40342
“Wolfcamp B”
2250’ FEL and 330’ FNL
Section 25, Block 4, ULS
Upton County, Texas

1-4-17 – Initial Completion

Standby for Phoenix, Pro Petro, and New Wave reps to arrive on location. Discuss and mark off locations for pump down tanks, acid tanks, water tanks, and water transfer lines. Phoenix set one flowback tank, two pump down tanks, and started setting the frac tanks. Phoenix delivered and set up 3 trailer houses with communication packages from the previous location. Fitbox was delivered and set up from previous location. Nitro delivered 6 light plants, 6 porta pots, trash trailer, and man lift. Advance Hydrocarbon filled the two pump down tanks full of fresh water from the pit for the toe prep tomorrow morning. New Wave starting building the holding tank on the next pad. SDFN

1-5-17 – Initial Completion

Slingshot NU two master valves and the flow cross. MIRU Pro Petro acid crew. Attempt to pressure test frack stack, bottom master valve leaking. Attempted to cycle a few times, no success. Slingshot bringing another master valve out. Slingshot on location with new valve. NU new bottom master valve. Pressure test lines and frac stack to 9782 psi, good test. Open well and pressure test casing to 5203 psi, held for 5 minutes with 6 psi lost, good test. Walked pressure up to open toe sleeve. Toe sleeve opened @ 7775 psi. Pumped 1500 gals of 15% HCL acid followed by 383 bbls of freshwater to overflush the well @ 9 bpm, and with 3210 psi on the lines. ISIP: 2498 psi, 5 min: 1993 psi, 10 min: 1935 psi, 15 min: 1895 psi, 30 min: 1825 psi, 45 min: 1783 psi, and 60 min: 1752 psi. SICP: 1752 psi. There was 3128 psi on the well before acid hit, and 2975 with acid on formation at 9 bpm. RDMO Pro Petro acid crew. SDFN

1-6-17 – Initial Completion

MIRU Slingshot zipper manifold. SDFN

1-7-17 – Initial Completion

MIRU Oil States isolation tool, LSE crane, S3 pump down, and Rush wireline. Wadeco delivered ISR Biocide. Weatherford dropped off plugs. SDFN

1-8-17 – Initial Completion

Floteck offloading Rheoflo and Stimoil NEX. Prime up and pressure test pump down lines with 10# brine to 9800 psi, good test. S3 had residual water from their previous job inside the fluid end of the pump and was frozen. They obtained torches and was finally able to get fluid movement to prime up. Rush RU wireline BOPs and lubricator to well. **Stage 1 Perf:** RIH wireline, set plug @ 16,062'. Perforated: 16,046'-16,048', 16,006'-16,008', 15,966'-15,968', 15,926'-15,928'. All shots fired. POOH while logging lateral. Lay the lubricator down. S3 flushed the pumps, wellhead, and lines with 10# brine. SDFN

1-9-17 – Initial Completion

Sand being offloaded. Floteck offloading chems. MIRU Pro Petro frac. New Wave finished RU and filled tanks. Performed bucket tests. Pro Petro had to go get more 4" iron from the yard to complete RU. Finished rigging up all iron. Loop tested the blender perime up and pressure test lines.

1-10-17 – Initial Completion

Hold safety meeting with all personnel on location. Prime up and pressure test to 9800 psi. We had multiple leaks on the wireline night caps and also blew a 10k burst disc at 9500 psi. We were finally able to obtain a good test. Set inline pop offs to 9650 psi. Pressure control drop ball on top valve. **Stage 1**

Frac: SICP: 1,505 psi, Formation broke at 4,813 psi, while pumping 15 bpm. Pumpdown 367 bbls.

Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,010 bbls. Load to recover for this stage: 8,058 bbls. Total load to recover: 8,425 bbls. Containing: Total 100 Mesh: 91,740 lbs, Total 40/70 Ottawa: 140,470 lbs, Total 40/70 Garnet: 40,364 lbs. Proppant pumped this stage: 272,574 lbs. Total proppant pumped: 272,574 lbs. ISIP: 3,565 psi, with a Frac Gradient of 0.856 psi/ft. Qavg: 99.7 bpm, Pavg: 7,490 psi, Qmax: 102. bpm, Pmax: 8,381 psi. *****Notes***** Stage was cut short, by 15k 40/70 Garnet, while on 2.00 ppa 40/70 Garnet due to pressure response from formation. We did not get above 2.00 ppa. **Stage 2 Perf:** RIH set stage 2 CBP at 15,911'. Perforated: 15,896'-15,898', 15,856'-15,858', 15,816'-15,818', 15,776'-15,778'. All shots fired. Waiting on wireline to start RIH on the 4252B. **Stage**

2 Frac: SICP: 1,973 psi, Formation broke at 5,063 psi, while pumping 15 bpm. Pumpdown 354 bbls.

Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,751 bbls. Load to recover for this stage: 7,799 bbls. Total load to recover: 16,578 bbls. Containing: Total 100 Mesh: 91,998 lbs, Total 40/70 Ottawa: 143,865 lbs, Total 40/70 Garnet: 9,382 lbs. Proppant pumped this stage: 245,245 lbs. Total proppant pumped: 517,819 lbs. ISIP: 4,358 psi, with a Frac Gradient of 0.951 psi/ft. Qavg: 101.2 bpm, Pavg: 7,195 psi, Qmax: 102. bpm, Pmax: 8,860 psi. *****Notes***** Pad was extended to allow formation to open. Stage was cut short by 45k 40/70 Garnet due to pressure response with 2.00 ppa 40/70 Garnet on formation. Attempted to run a .50 ppa dirty sweep, but pressure kept climbing. Wireline re-heading.

Stage 3 Perf: RIH set stage 3 CBP at 15,759'. Perforated: 15,742'-15,744', 15,706'-15,708', 15,666'-15,668', 15,626'-15,628'. All shots fired. Waiting for wireline to get truck re-spotted and start in hole.

Stage 3 Frac: SICP: 1,969 psi, Formation broke at 5,135 psi, while pumping 16 bpm. Pumpdown 400 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,751 bbls. Load to recover for this stage: 7,799 bbls. Total load to recover: 24,777 bbls. Containing: Total 100 Mesh: 96,777 lbs, Total 40/70 Ottawa: 151,438 lbs, Total 40/70 Garnet: 21,587 lbs. Proppant pumped this stage: 269,802 lbs. Total proppant pumped: 787,621 lbs. ISIP: 3,464 psi, with a Frac Gradient of 0.844 psi/ft. Qavg: 101.4 bpm, Pavg: 7,219 psi, Qmax: 101.9 bpm, Pmax: 9,056 psi. *****Notes***** Pumped as designed. Waiting for wireline to change guns. **Stage 4 Perf:** RIH set stage 4 CBP at 15,611'. Perforated: 15,596'-15,598', 15,556'-15,558', 15,516'-15,518', 15,476'-15,478'. All shots fired. Waiting on wireline to change guns.

Pumping stage 4 at time of report.

1-11-17 – Initial Completion

Stage 4 Frac: SICP: 2,102 psi, Formation broke at 4,831 psi, while pumping 16 bpm. Pumpdown 388 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,404 bbls. Load to recover for this stage: 8,452 bbls. Total load to recover: 33,617 bbls. Containing: Total 100 Mesh: 94,900 lbs, Total 40/70 Ottawa: 143,792 lbs, Total 40/70 Garnet: 56,261 lbs. Proppant pumped this stage: 294,953 lbs. Total proppant pumped: 1,082,574 lbs. ISIP: 4,349 psi, with a Frac Gradient of 0.95 psi/ft. Qavg: 100.8 bpm, Pavg: 7,037 psi, Qmax: 101. bpm, Pmax: 8,724 psi.

*****Notes***** Pad was extended to allow formation to open. Stage pumped with all sand away. Ran the 40/70 white out at 1.50 ppa, and transitioned into the 40/70 Garnet at 1.50 ppa. We did not get above 1.75 ppa due to pressure response from formation. Wireline re-heading. **Stage 5 Perf:** RIH set stage 5 CBP at 15,473'. Perforated: 15,446'-15,448', 15,406'-15,408', 15,366'-15,368', 15,330'-15,332'. All shots fired. POOH. Waiting on 100 Mesh to arrive on location and off load. **Stage 5 Frac:** SICP: 2,262 psi, Formation broke at 5,764 psi, while pumping 15 bpm. Pumpdown 296 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,050 bbls. Load to recover for this stage: 8,098 bbls. Total load to recover: 42,011 bbls. Containing: Total 100 Mesh: 94,191 lbs, Total 40/70 Ottawa: 141,305 lbs, Total 40/70 Garnet: 53,454 lbs. Proppant pumped this stage: 288,950 lbs. Total proppant pumped: 1,371,524 lbs. ISIP: 4,330 psi, with a Frac Gradient of 0.948 psi/ft. Qavg: 99.1 bpm, Pavg: 7,138 psi, Qmax: 101.

bpm, Pmax: 8,105 psi. ***Notes*** Pad was extended to allow formation to open. Stage pumped with all sand away. Did not get above 1.75 ppa due to a gradual increase in pressure with 1.75 ppa on formation. **Stage 6 Perf:** RIH set stage 6 CBP at 15,311'. Perforated: 15,296'-15,298', 15,256'-15,258', 15,216'-15,218', 15,176'-15,178'. All shots fired. Waiting on 2 loads of 100 mesh to offload. **Stage 6 Frac:** SICP: 2,191 psi, Formation broke at 5,161 psi, while pumping 16 bpm. Pumpdown 378 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,913 bbls. Load to recover for this stage: 7,961 bbls. Total load to recover: 50,350 bbls. Containing: Total 100 Mesh: 92,579 lbs, Total 40/70 Ottawa: 139,777 lbs, Total 40/70 Garnet: 59,790 lbs. Proppant pumped this stage: 292,146 lbs. Total proppant pumped: 1,663,670 lbs. ISIP: 3,886 psi, with a Frac Gradient of 0.895 psi/ft. Qavg: 98.6 bpm, Pavg: 7,532 psi, Qmax: 100.1 bpm, Pmax: 8,754 psi. ***Notes*** Held max concentration at 1.75 pumped stage to completion due to pressure response. **Stage 7 Perf:** RIH set stage 7 CBP at 15,161'. Perforated: 15,146'-15,148', 15,104'-15,106', 15,070'-15,072', 15,028'-15,030'. All shots fired. Pump maintenance on one pump. **Stage 7 Frac:** SICP: 2,254 psi, Formation broke at 5,845 psi, while pumping 15 bpm. Pumpdown 332 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,124 bbls. Load to recover for this stage: 8,172 bbls. Total load to recover: 58,854 bbls. Containing: Total 100 Mesh: 95,256 lbs, Total 40/70 Ottawa: 139,840 lbs, Total 40/70 Garnet: 59,741 lbs. Proppant pumped this stage: 294,837 lbs. Total proppant pumped: 1,958,507 lbs. ISIP: 3,828 psi, with a Frac Gradient of 0.888 psi/ft. Qavg: 99.6 bpm, Pavg: 7,670 psi, Qmax: 100.2 bpm, Pmax: 9,045 psi. ***Notes*** All sand placed, stage was completed successfully. Wireline pinched there line and had to re-head. **Stage 8 Perf:** RIH set stage 8 CBP at 15,011'. Perforated: 14,996'-14,998', 14,956'-14,958', 14,916'-14,918', 14,876'-14,878'. All shots fired.

1-12-17 – Initial Completion

Waiting on 2 loads of 40/70 resin coated sand. **Stage 8 Frac:** SICP: 2,119 psi, Formation broke at 5,393 psi, while pumping 15 bpm. Pumpdown 311 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,047 bbls. Load to recover for this stage: 8,095 bbls. Total load to recover: 67,260 bbls. Containing: Total 100 Mesh: 94,380 lbs, Total 40/70 Ottawa: 141,134 lbs, Total 40/70 Garnet: 57,820 lbs. Proppant pumped this stage: 293,334 lbs. Total proppant pumped: 2,251,841 lbs. ISIP: 4,028 psi, with a Frac Gradient of 0.912 psi/ft. Qavg: 100.3 bpm, Pavg: 7,561 psi, Qmax: 102. bpm, Pmax: 8,546 psi. ***Notes*** All prop placed. Placed 40/70 Garnett at 1.75ppg. **Stage 9 Perf:** RIH set stage 9 CBP at 14,861'. Perforated: 14,846'-14,848', 14,802'-14,804', 14,768'-14,770', 14,726'-14,728'. All shots fired. **Stage 9 Frac:** SICP: 2,383 psi, Formation broke at 4,888 psi, while pumping 15 bpm. Pumpdown 441 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,831 bbls. Load to recover for this stage: 7,879 bbls. Total load to recover: 75,580 bbls. Containing: Total 100 Mesh: 91,813 lbs, Total 40/70 Ottawa: 142,237 lbs, Total 40/70 Garnet: 54,149 lbs. Proppant pumped this stage: 288,199 lbs. Total proppant pumped: 2,540,040 lbs. ISIP: 3,490 psi, with a Frac Gradient of 0.848 psi/ft. Qavg: 100.1 bpm, Pavg: 7,272 psi, Qmax: 100.5 bpm, Pmax: 8,299 psi. ***Notes*** All sand pumped away. Held 2 lb concentration on resin coated sand. Flush and grease zipper manifold. **Stage 10 Perf:** RIH set stage 10 CBP at 14,711'. Perforated: 14,696'-14,698', 14,656'-14,658', 14,616'-14,618', 14,576'-14,578'. All shots fired. Waiting for frac to finish. **Stage 10 Frac:** SICP: 2,268 psi, Formation broke at 5,849 psi, while pumping 15 bpm. Pumpdown 289 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,958 bbls. Load to recover for this stage: 8,006 bbls. Total load to recover: 83,875 bbls. Containing: Total 100 Mesh: 94,523 lbs, Total 40/70 Ottawa: 141,230 lbs, Total 40/70 Garnet: 57,558 lbs. Proppant pumped this stage: 293,311 lbs. Total proppant pumped: 2,833,351 lbs. ISIP: 4,134 psi, with a Frac Gradient of 0.924 psi/ft. Qavg: 100.5 bpm, Pavg: 7,356 psi, Qmax: 101.6 bpm, Pmax: 8,938 psi. ***Notes*** Pumped resin coated sand at 1.75 ppg max concentration due to pressure response. Pumped stage to completion, all sand put away. **Stage 11 Perf:** RIH set stage 11 CBP at 14,561'. Perforated: 14,542'-14,544', 14,506'-14,508', 14,466'-14,468', 14,426'-14,428'. All shots fired.

1-13-17 – Initial Completion

Stage 11 Frac: SICP: 2,125 psi, Formation broke at 5,056 psi, while pumping 15 bpm. Pumpdown 320 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,169 bbls. Load to recover for this stage: 8,217 bbls. Total load to recover: 92,412 bbls. Containing: Total 100 Mesh: 93,728 lbs, Total 40/70 Ottawa: 139,829 lbs, Total 40/70 Garnet: 59,405 lbs. Proppant pumped this stage: 292,962 lbs. Total proppant pumped: 3,126,313 lbs. ISIP: 3,654 psi, with a Frac Gradient of 0.867 psi/ft. Qavg: 100.7 bpm, Pavg: 7,522 psi, Qmax: 101. bpm, Pmax: 8,919 psi. ***Notes*** Pad was extended to allow formation to open. Stage pumped with all sand away. **Stage 12 Perf:** RIH set stage 12 CBP at 14,410'. Perforated: 14,396'-14,398', 14,356'-14,358', 14,316'-14,318', 14,276'-14,278'. All shots fired. **Stage 12 Frac:** SICP: 2,387 psi, Formation broke at 5,428 psi, while pumping 15 bpm. Pumpdown 416 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,009 bbls. Load to recover for this stage: 8,057 bbls. Total load to recover: 100,885 bbls. Containing: Total 100 Mesh: 93,068 lbs, Total 40/70 Ottawa: 140,591 lbs, Total 40/70 Garnet: 56,560 lbs. Proppant pumped this stage: 290,219 lbs. Total proppant pumped: 3,416,532 lbs. ISIP: 4,025 psi, with a Frac Gradient of 0.911 psi/ft. Qavg: 100.9 bpm, Pavg: 7,311 psi, Qmax: 102. bpm, Pmax: 8,553 psi. ***Notes*** Pad was extended to allow formation to open. Stage pumped with all sand away. **Stage 13 Perf:** RIH set stage 13 CBP at 14,261'. Perforated: 14,246'-14,248', 14,206'-14,208', 14,166'-14,168', 14,126'-14,128'. All shots fired. Standby for frac. Waiting for sand to blow off and for wireline to get on the well. **Stage 13 Frac:** SICP: 2,150 psi, Formation broke at 4,822 psi, while pumping 15 bpm. Pumpdown 417 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,808 bbls. Load to recover for this stage: 7,856 bbls. Total load to recover: 109,158 bbls. Containing: Total 100 Mesh: 94,795 lbs, Total 40/70 Ottawa: 140,829 lbs, Total 40/70 Garnet: 58,214 lbs, Total 40/70 Ottawa: 140,829 lbs. Proppant pumped this stage: 293,838 lbs. Total proppant pumped: 3,710,370 lbs. ISIP: 3,993 psi, with a Frac Gradient of 0.907 psi/ft. Qavg: 100.6 bpm, Pavg: 7,271 psi, Qmax: 100.9 bpm, Pmax: 8,823 psi. ***Notes*** We held the sand concentration at 2 lb due to pressure response, pumped to completion, all sand put away. **Stage 14 Perf :** RIH set stage 14 CBP at 14,114'. Perforated: 14,096'-14,098', 14,056'-14,058', 14,016'-14,018', 13,976'-13,978'. All shots fired. **Stage 14 Frac:** SICP: 2,390 psi, Formation broke at 5,577 psi, while pumping 15 bpm. Pumpdown 266 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,763 bbls. Load to recover for this stage: 7,811 bbls. Total load to recover: 117,235 bbls. Containing: Total 100 Mesh: 95,489 lbs, Total 40/70 Ottawa: 139,227 lbs, Total 40/70 Garnet: 57,575 lbs, Total 40/70 Ottawa: 139,227 lbs. Proppant pumped this stage: 292,291 lbs. Total proppant pumped: 4,002,661 lbs. ISIP: 4,169 psi, with a Frac Gradient of 0.928 psi/ft. Qavg: 100.4 bpm, Pavg: 7,626 psi, Qmax: 100.7 bpm, Pmax: 8,927 psi. ***Notes*** Held pad longer due to operator error on the hydration unit. Pumped Garnett at 2 lb due to pressure response. Pumped to completion. **Stage 15 Perf:** RIH set stage 15 CBP at 13,964'. Perforated: 13,946'-13,948', 13,906'-13,908', 13,866'-13,868', 13,824'-13,826'. All shots fired. Wireline re-heading

1-14-17 – Initial Completion

Wireline re-heading. **Stage 15 Frac:** SICP: 2,323 psi, Formation broke at 5,203 psi, while pumping 15 bpm. Pumpdown bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,760 bbls. Load to recover for this stage: 7,808 bbls. Total load to recover: 125,043 bbls. Containing: Total 100 Mesh: 94,332 lbs, Total 40/70 Ottawa: 139,276 lbs, Total 40/70 Garnet: 59,581 lbs. Proppant pumped this stage: 293,189 lbs. Total proppant pumped: 4,295,850 lbs. ISIP: 4,414 psi, with a Frac Gradient of 0.958 psi/ft. Qavg: 100.6 bpm, Pavg: 7,318 psi, Qmax: 101. bpm, Pmax: 8,340 psi. ***Notes*** Pad was extended to allow formation to open. Stage pumped with all sand away, with a max concentration of 2.25 ppa. **Stage 16 Perf:** RIH set stage 16 CBP at 13,811'. Perforated: 13,796'-13,798', 13,756'-13,758', 13,716'-13,718', 13,676'-13,678'. All shots fired. Waiting on sand to blow off. **Stage 16 Frac:** SICP: 2,319 psi, Formation broke at 4,715 psi, while pumping 15 bpm. Pumpdown 321 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,725 bbls. Load to recover for this stage: 7,773 bbls. Total load to recover: 133,137 bbls. Containing: Total 100 Mesh: 91,732 lbs, Total 40/70 Ottawa: 142,778 lbs, Total 40/70 Garnet: 51,963 lbs. Proppant pumped this stage: 286,473 lbs. Total proppant pumped: 4,582,323

lbs. ISIP: 4,531 psi, with a Frac Gradient of 0.971 psi/ft. Qavg: 100.4 bpm, Pavg: 7,513 psi, Qmax: 101. bpm, Pmax: 8,223 psi. ***Notes*** Pad was extended to allow formation to open. Stage was cut short by 3k 40/70 Garnet, and we did not get above 2.00 ppa due to pressure response with 2.00 ppa on formation. **Stage 17 Perf:** RIH set stage 17 CBP at 13,661'. Perforated: 13,646'-13,648', 13,606'-13,608', 13,562'-13,564', 13,526'-13,528'. Plug set and first gun fired. The remaining 3 guns misfired. RBIH to shoot last 3 guns, ok. POOH. Finish greasing zipper manifold and wait for sand to unload. **Stage 17 Frac:** SICP: 2,425 psi, Formation broke at 4,438 psi, while pumping 15 bpm. Pumpdown 581 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,654 bbls. Load to recover for this stage: 7,702 bbls. Total load to recover: 141,420 bbls. Containing: Total 100 Mesh: 94,646 lbs, Total 40/70 Ottawa: 141,333 lbs, Total 40/70 Garnet: 55,523 lbs. Proppant pumped this stage: 291,502 lbs. Total proppant pumped: 4,873,825 lbs. ISIP: 4,023 psi, with a Frac Gradient of 0.911 psi/ft. Qavg: 100.5 bpm, Pavg: 7,372 psi, Qmax: 100.7 bpm, Pmax: 8,957 psi. ***Notes*** Held Garnet at 2 ppg due to pressure increase. Pumped all sand away. Wireline dropped tools in the adjacent well, standby for coil tubing to fish out tools.

1-15-17 – Initial Completion

Standby for coil tubing ops on 4252B. Fish recovered, begin to RU Oil States, RTX, S3 and Pro Petro. Pressure test pump-down pumps to 9,300 psi, pressure test frac to 9,500 psi, all ok. Standing by waiting on thunderstorm to pass before continuing with frac ops.

1-16-17 – Initial Completion

Waiting on weather. RTX wireline RU to wellhead. The man lift would not respond due to panel board getting wet. Waiting on Nitro's mechanic to arrive on location to repair it. **Stage 18 Perf:** RIH set stage 18 CBP at 13,511'. Perforated: 13,496'-13,498', 13,456'-13,458', 13,416'-13,418', 13,376'-13,378'. All shots fired, POOH. Waiting on sand to offload. The belt chain snapped on Sand King. Pro Petro's mechanic had to bring new chain from Midland. Waited for sand to blow off to get started. **Stage 18 Frac:** SICP: 2,049 psi, Formation broke at 4,278 psi, while pumping 15 bpm. Pumpdown 336 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,749 bbls. Load to recover for this stage: 7,797 bbls. Total load to recover: 149,553 bbls. Containing: Total 100 Mesh: 95,881 lbs, Total 40/70 Ottawa: 140,959 lbs, Total 40/70 Garnet: 43,154 lbs. Proppant pumped this stage: 279,994 lbs. Total proppant pumped: 5,153,819 lbs. ISIP: 4,853 psi, with a Frac Gradient of 1.01 psi/ft. Qavg: 99.9 bpm, Pavg: 7,247 psi, Qmax: 104. bpm, Pmax: 8,089 psi. ***Notes*** Pumped garnet at 2.00 ppg due to pressure increase. **Stage 19 perf:** RIH set stage 19 CBP at 13,361'. Perforated: 13,346'-13,348', 13,306'-13,308', 13,266'-13,268', 13,226'-13,228'. All shots fired. Repair packing on 2 pumps. **Stage 19 Frac:** SICP: 2,597 psi, Formation broke at 4,692 psi, while pumping 15 bpm. Pumpdown 266 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,720 bbls. Load to recover for this stage: 7,768 bbls. Total load to recover: 157,587 bbls. Containing: Total 100 Mesh: 94,110 lbs, Total 40/70 Ottawa: 140,515 lbs, Total 40/70 Garnet: 56,902 lbs. Proppant pumped this stage: 291,527 lbs. Total proppant pumped: 5,445,346 lbs. ISIP: 4,470 psi, with a Frac Gradient of 0.964 psi/ft. Qavg: 100.1 bpm, Pavg: 7,689 psi, Qmax: 100.6 bpm, Pmax: 8,804 psi. ***Notes*** All sand put away. Wireline re-heading. **Stage 20 Perf:** RIH set stage 20 CBP at 13,211'. Perforated: 13,196'-13,198', 13,156'-13,158', 13,116'-13,118', 13,076'-13,078'. All shots fired. **Stage 20 Frac:** SICP: 2,624 psi, Formation broke at 4,149 psi, while pumping 15 bpm. Pumpdown 278 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,736 bbls. Load to recover for this stage: 7,784 bbls. Total load to recover: 165,649 bbls. Containing: Total 100 Mesh: 99,919 lbs, Total 40/70 Ottawa: 144,187 lbs, Total 40/70 Garnet: 55,020 lbs. Proppant pumped this stage: 299,126 lbs. Total proppant pumped: 5,744,472 lbs. ISIP: 3,968 psi, with a Frac Gradient of 0.904 psi/ft. Qavg: 98.7 bpm, Pavg: 7,415 psi, Qmax: 99.1 bpm, Pmax: 8,200 psi. ***Notes*** All sand put away we

pumped the Garnett at 2.25 lb. **Stage 21 Perf:** RIH set stage 21 CBP at 13,061'. Perforated: 13,046'-13,048', 13,006'-13,008', 12,966'-12,968', 12,926'-12,928'. All shots fired.

1-17-17 – Initial Completion

RIH set stage 21 CBP at 13,061'. Perforated: 13,046'-13,048', 13,006'-13,008', 12,966'-12,968', 12,926'-12,928'. All shots fired. Standby for frac. Pro Petro performing pump maintenance. **Stage 21 Frac:** SICP: 2,348 psi, Formation broke at 4,299 psi, while pumping 15 bpm. Pumpdown bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,742 bbls. Load to recover for this stage: 7,790 bbls. Total load to recover: 165,377 bbls. Containing: Total 100 Mesh: 92,701 lbs, Total 40/70 Ottawa: 145,036 lbs, Total 40/70 Garnet: 38,638 lbs. Proppant pumped this stage: 276,375 lbs. Total proppant pumped: 5,721,721 lbs. ISIP: 4,134 psi, with a Frac Gradient of 0.924 psi/ft. Qavg: 99.7 bpm, Pavg: 7,537 psi, Qmax: 100. bpm, Pmax: 8,681 psi. ***Notes*** Pad was extended to allow formation to open. Stage was cut short by 16k 40/70 Garnet, due to pressure response with 1.75 ppa on formation. We did not get above 1.75 ppa. Wireline re-heading. **Stage 22 Perf:** RIH set stage 22 CBP at 12,915'. Perforated: 12,896'-12,898', 12,856'-12,858', 12,816'-12,818', 12,776'-12,778'. All shots fired. Wireline transitioning from the 4253B to the 4252B. Slingshot greasing zipper manifold. **Stage 22 Frac:** SICP: 2,578 psi, Formation broke at 4,312 psi, while pumping 15 bpm. Pumpdown 229 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,001 bbls. Load to recover for this stage: 8,049 bbls. Total load to recover: 173,655 bbls. Containing: Total 100 Mesh: 94,235 lbs, Total 40/70 Ottawa: 142,954 lbs, Total 40/70 Garnet: 39,533 lbs. Proppant pumped this stage: 276,722 lbs. Total proppant pumped: 5,998,443 lbs. ISIP: 4,654 psi, with a Frac Gradient of 0.986 psi/ft. Qavg: 101.3 bpm, Pavg: 7,464 psi, Qmax: 102. bpm, Pmax: 8,527 psi. ***Notes*** Pad was extended to allow formation to open. Stage was cut short by 15k 40/70 Garnet, due to pressure response with 1.75 ppg on formation again. We did not get above 1.75 ppg. **Stage 23 Perf:** RIH set stage 23 CBP at 12,761'. Perforated: 12,746'-12,748', 12,706'-12,708', 12,667'-12,669', 12,626'-12,628'. All shots fired. Working on two pumps and welding a hole in the blender tub. Also waiting on sand to unload and prime up two pumps and re-pressure test lines. **Stage 23 Frac:** SICP: 2,448 psi, Formation broke at 4,300 psi, while pumping 15 bpm. Pumpdown 201 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,636 bbls. Load to recover for this stage: 7,684 bbls. Total load to recover: 181,540 bbls. Containing: Total 100 Mesh: 95,029 lbs, Total 40/70 Ottawa: 136,871 lbs, Total 40/70 Garnet: 57,891 lbs. Proppant pumped this stage: 289,791 lbs. Total proppant pumped: 6,288,234 lbs. ISIP: 3,764 psi, with a Frac Gradient of 0.88 psi/ft. Qavg: 101.4 bpm, Pavg: 7,158 psi, Qmax: 101.8 bpm, Pmax: 8,405 psi. ***Notes*** All sand put away, held 2 ppg on Garnett due to pressure. **Stage 24 Perf:** RIH set stage 24 CBP at 12,611'. Perforated: 12,596'-12,598', 12,556'-12,558', 12,517'-12,519', 12,476'-12,478'. All shots fired. Swap out one frac pump. **Stage 24 Frac:** SICP: 2,267 psi, Formation broke at 4,112 psi, while pumping 15 bpm. Pumpdown 168 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,632 bbls. Load to recover for this stage: 7,680 bbls. Total load to recover: 189,388 bbls. Containing: Total 100 Mesh: 94,268 lbs, Total 40/70 Ottawa: 141,893 lbs, Total 40/70 Garnet: 55,695 lbs. Proppant pumped this stage: 291,856 lbs. Total proppant pumped: 6,580,090 lbs. ISIP: 4,029 psi, with a Frac Gradient of 0.912 psi/ft. Qavg: 101.2 bpm, Pavg: 7,029 psi, Qmax: 101.5 bpm, Pmax: 8,266 psi. ***Notes*** Pumped the Garnett at 2.25 ppg all sand was placed. **Stage 25 Perf:** RIH set stage 25 CBP at 12,461'. Perforated: 12,446'-12,448', 12,406'-12,408', 12,366'-12,368', 12,326'-12,328'. All shots fired. Waiting for frac to finish the adjacent well. Pumping stage 25

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Stage 25 Frac: SICP: 2,372 psi, Formation broke at 4,643 psi, while pumping 15 bpm. Pumpdown 170 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 9,433 bbls. Load to recover for this stage: 9,481 bbls. Total load to recover: 199,039 bbls. Containing: Total 100 Mesh: 93,417 lbs, Total 40/70 Ottawa: 139,646 lbs, Total 40/70 Garnet: 55,466 lbs. Proppant pumped this stage: 288,529 lbs. Total proppant pumped: 6,868,619 lbs. ISIP: 4,097 psi, with a Frac Gradient of 0.92 psi/ft. Qavg: 99.4 bpm, Pavg: 7,282 psi, Qmax: 101. bpm, Pmax: 8,801 psi. ***Notes*** Pad extended to allow formation

to open. Ran a .25 ppa dirty sweep due to pressure response with 1.75 ppa 40/70 white on formation. Walked the sand concentrations back up in .25 ppa increments. Stage pumped with all sand away. Did not get above 1.75 ppa on 40/70 white, and not above 1.00 ppa on 40/70 garnet due to pressure. Wireline re-heading. **Stage 26 Perf:** RIH set stage 26 CBP at 12,311'. Perforated: 12,293'-12,295', 12,254'-12,256', 12,218'-12,220', 12,176'-12,178'. All shots fired. Wireline transitioning from the 4253B to the 4252B. Oil States greasing valves. Waiting on sand to blow off. Prime up and pressure tested to 9600 psi. **Stage 26 Frac:** SICP: 2,153 psi, Formation broke at 4,633 psi, while pumping 15 bpm. Pumpdown 198 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,913 bbls. Load to recover for this stage: 7,961 bbls. Total load to recover: 207,198 bbls. Containing: Total 100 Mesh: 93,324 lbs, Total 40/70 Ottawa: 142,210 lbs, Total 40/70 Garnet: 64,150 lbs. Proppant pumped this stage: 299,684 lbs. Total proppant pumped: 7,168,303 lbs. ISIP: 4,601 psi, with a Frac Gradient of 0.98 psi/ft. Qavg: 98.7 bpm, Pavg: 7,322 psi, Qmax: 100. bpm, Pmax: 7,949 psi. ***Notes*** Pad extended to allow formation to open. Stage pumped with all sand away, with a max concentration of 2.25 ppa. **Stage 27 Perf:** RIH set stage 27 CBP at 12,161'. Perforated: 12,146'-12,148', 12,106'-12,108', 12,066'-12,068', 12,026'-12,028'. All shots fired. **Stage 27 Frac:** SICP: 2,098 psi, Formation broke at 4,505 psi, while pumping 15 bpm. Pumpdown 178 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,639 bbls. Load to recover for this stage: 7,687 bbls. Total load to recover: 215,063 bbls. Containing: Total 100 Mesh: 93,310 lbs, Total 40/70 Ottawa: 142,590 lbs, Total 40/70 Garnet: 56,866 lbs. Proppant pumped this stage: 292,766 lbs. Total proppant pumped: 7,461,069 lbs. ISIP: 4,403 psi, with a Frac Gradient of 0.956 psi/ft. Qavg: 99.7 bpm, Pavg: 7,126 psi, Qmax: 100. bpm, Pmax: 9,138 psi. ***Notes*** Pumped stage as designed. **Stage 28 Perf:** RIH set stage 28 CBP at 12,011'. Perforated: 11,992'-11,994', 11,956'-11,958', 11,916'-11,918', 11,876'-11,878'. All shots fired. **Stage 28 Frac:** SICP: 2,355 psi, Formation broke at 4,386 psi, while pumping 15 bpm. Pumpdown 182 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,625 bbls. Load to recover for this stage: 7,673 bbls. Total load to recover: 222,918 bbls. Containing: Total 100 Mesh: 93,462 lbs, Total 40/70 Ottawa: 140,660 lbs, Total 40/70 Garnet: 56,472 lbs. Proppant pumped this stage: 290,594 lbs. Total proppant pumped: 7,751,663 lbs. ISIP: 3,858 psi, with a Frac Gradient of 0.891 psi/ft. Qavg: 101.6 bpm, Pavg: 7,283 psi, Qmax: 102.4 bpm, Pmax: 8,504 psi. ***Notes*** All sand put away Max concentration 2.25 lb. on Garnett. **Stage 29 Perf:** RIH set stage 29 CBP at 11,861'. Perforated: 11,846'-11,848', 11,806'-11,808', 11,766'-11,768', 11,726'-11,728'. All shots fired.

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Waiting on sand to blow off. Slingshot greasing zipper manifold. **Stage 29 Frac:** SICP: 2,180 psi, Formation broke at 5,473 psi, while pumping 15 bpm. Pumpdown 146 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,753 bbls. Load to recover for this stage: 7,801 bbls. Total load to recover: 230,865 bbls. Containing: Total 100 Mesh: 94,463 lbs, Total 40/70 Ottawa: 139,623 lbs, Total 40/70 Garnet: 60,908 lbs. Proppant pumped this stage: 294,994 lbs. Total proppant pumped: 8,046,657 lbs. ISIP: 4,408 psi, with a Frac Gradient of 0.957 psi/ft. Qavg: 100.6 bpm, Pavg: 7,392 psi, Qmax: 102. bpm, Pmax: 8,530 psi. ***Notes*** Pad was extended to allow formation to open. Stage pumped with all sand away, with a max concentration of 2.25 ppa. RIH set stage 30 CBP at 11,711'. Perforated: 11,696'-11,698', 11,656'-11,658', 11,616'-11,618', 11,576'-11,578'. All shots fired. Waiting on sand to blow off. **Stage 30 Frac:** SICP: 2,235 psi, Formation broke at 4,082 psi, while pumping 15 bpm. Pumpdown 133 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,648 bbls. Load to recover for this stage: 7,696 bbls. Total load to recover: 238,694 bbls. Containing: Total 100 Mesh: 93,211 lbs, Total 40/70 Ottawa: 140,656 lbs, Total 40/70 Garnet: 57,520 lbs. Proppant pumped this stage: 291,387 lbs. Total proppant pumped: 8,338,044 lbs. ISIP: 5,114 psi, with a Frac Gradient of 1.041 psi/ft. Qavg: 99.3 bpm, Pavg: 7,128 psi, Qmax: 100. bpm, Pmax: 8,285 psi. ***Notes*** Stage pumped with all sand away, with a max concentration of 2.00 ppa. **Stage 31 Perf:** RIH set stage 31 CBP at 11,563'. Perforated: 11,546'-11,548', 11,506'-11,508', 11,466'-11,468', 11,425'-11,427'. All shots fired. Waiting on frac to finish and for sand to unload. **Stage 31 Frac:** SICP: 2,458 psi, Formation broke at 4,200 psi, while pumping 15 bpm. Pumpdown 122 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,668

bbls. Load to recover for this stage: 7,716 bbls. Total load to recover: 246,532 bbls. Containing: Total 100 Mesh: 92,358 lbs, Total 40/70 Ottawa: 140,486 lbs, Total 40/70 Garnet: 58,608 lbs. Proppant pumped this stage: 291,452 lbs. Total proppant pumped: 8,629,496 lbs. ISIP: 4,460 psi, with a Frac Gradient of 0.963 psi/ft. Qavg: 102.1 bpm, Pavg: 7,258 psi, Qmax: 102.3 bpm, Pmax: 8,812 psi. ***Notes*** All sand put away Max concentration 2 lb on Garnett. Wireline re-heading. **Stage 32 Perf:** RIH set stage 32 CBP at 11,411'. Perforated: 11,396'-11,398', 11,356'-11,358', 11,316'-11,318', 11,276'-11,278'. All shots fired. **Stage 32 Frac:** SICP: 2,313 psi, Formation broke at 4,790 psi, while pumping 15 bpm. Pumpdown 139 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,853 bbls. Load to recover for this stage: 8,901 bbls. Total load to recover: 255,572 bbls. Containing: Total 100 Mesh: 93,412 lbs, Total 40/70 Ottawa: 141,888 lbs, Total 40/70 Garnet: 55,845 lbs. Proppant pumped this stage: 291,145 lbs. Total proppant pumped: 8,920,641 lbs. ISIP: 9,102 psi, with a Frac Gradient of 1.515 psi/ft. Qavg: 100.9 bpm, Pavg: 7,454 psi, Qmax: 102.2 bpm, Pmax: 9,942 psi. ***Notes*** Extended pad to allow the formation to open up. Stage screened out on flush. We held 2 lb on Garnett. Opened the well up to flow back at 2:57AM. Flowed well back for 30 minutes, fluid cleaned up, shut in all flowback equipment and flush the well again. Able to get to 60 bpm and pumped an extra 1185 bbls to ensure the well bore was clean. The first 700 bbls was at a rate of 15 bpm to 35 bpm. RIH set stage 33 CBP at 11,411'. Perforated: 11,396'-11,398', 11,356'-11,358', 11,316'-11,318', 11,276'-11,278'. All shots fired.

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Wireline POOH. Wireline transitioning from the 4253B to the 4252B. Waiting on sand. **Stage 33 Frac:** SICP: 2,226 psi, Formation broke at 4,133 psi, while pumping 15 bpm. Pumpdown 141 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 8,039 bbls. Load to recover for this stage: 8,087 bbls. Total load to recover: 263,800 bbls. Containing: Total 100 Mesh: 96,339 lbs, Total 40/70 Ottawa: 142,468 lbs, Total 40/70 Garnet: 60,272 lbs. Proppant pumped this stage: 299,079 lbs. Total proppant pumped: 9,219,720 lbs. ISIP: 4,222 psi, with a Frac Gradient of 0.935 psi/ft. Qavg: 99.6 bpm, Pavg: 6,900 psi, Qmax: 102. bpm, Pmax: 7,876 psi. ***Notes*** Pad extended to allow formation to open. Stage pumped with all sand away with a max concentration of 2.00 ppa. Wireline re-heading and Slingshot greasing zipper manifold. **Stage 34 Perf:** RIH set stage 34 CBP at 11,111'. Perforated: 11,096'-11,098', 11,056'-11,058', 11,016'-11,018'. Last gun did not fire. Wireline check guns and re-arm for last perf cluster. **Down due to high winds in the area.** RIH stage 34, second run: Perforated: 10,976'-10,978'. All shots fired. POOH. Pro Petro had 4 pumps that were completely out of oil. Down waiting on the lube trailer to get to location to refill them. **Stage 34 Frac:** SICP: 1,961 psi, Formation broke at 4,097 psi, while pumping 15 bpm. Pumpdown 259 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,691 bbls. Load to recover for this stage: 7,739 bbls. Total load to recover: 271,798 bbls. Containing: Total 100 Mesh: 92,428 lbs, Total 40/70 Ottawa: 138,609 lbs, Total 40/70 Garnet: 54,847 lbs. Proppant pumped this stage: 285,884 lbs. Total proppant pumped: 9,505,604 lbs. ISIP: 3,923 psi, with a Frac Gradient of 0.899 psi/ft. Qavg: 100.1 bpm, Pavg: 6,993 psi, Qmax: 102. bpm, Pmax: 8,072 psi. ***Notes*** We cut the Garnett short by 6000 lbs due to pressure response Max concentration 2 lb on Garnett. **Stage 35 Perf:** RIH set stage 35 CBP at 11,111'. Plug set but no guns fired. RIH stage 35, second run: Perforated: 10,942'-10,944', 10,906'-10,908', 10,866'-10,868', 10,826'-10,828'. All shots fired. **Stage 35 Frac:** SICP: 2,120 psi, Formation broke at 4,597 psi, while pumping 18 bpm. Pumpdown 215 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,767 bbls. Load to recover for this stage: 7,815 bbls. Total load to recover: 279,828 bbls. Containing: Total 100 Mesh: 148,873 lbs, Total 40/70 Ottawa: 85,932 lbs, Total 40/70 Garnet: 59,720 lbs. Proppant pumped this stage: 294,525 lbs. Total proppant pumped: 9,800,129 lbs. ISIP: 4,340 psi, with a Frac Gradient of 0.949 psi/ft. Qavg: 100.7 bpm, Pavg: 7,185 psi, Qmax: 101.5 bpm, Pmax: 8,339 psi. ***Notes*** All sand put away.

1-21-17 – Initial Completion

Stage 36 Perf: RIH set stage 36 CBP at 10,811'. Perforated: 10,796'-10,798', 10,756'-10,758', 10,716'-10,718', 10,676'-10,678'. All shots fired. Started stage 36, but had to shut down due to blender transmission failure. Continued pumping acid away with pump down pumps. Acid flushed away and wellbore secure. Pro Petro's blender lost the transmission. RD all pumps, manifold, and blender. Called for new blender. Blender arrive on location after being down 4.5 hrs. Still waiting on two pumps to get new fluid ends. Finish rigging back up, test blender LA pumps, had to repair a leak on blender and one of the new pumps. Prime up and test lines, ok. **Stage 36 Frac:** SICP: 2,192 psi, Formation broke at 4,130 psi, while pumping 15 bpm. Pumpdown 127 bbls. Pumped: Total 15% HCL Acid: 47 bbls. Total Slickwater: 9,130 bbls. Load to recover for this stage: 9,177 bbls. Total load to recover: 289,132 bbls. Containing: Total 100 Mesh: 95,299 lbs, Total 40/70 Ottawa: 138,928 lbs, Total 40/70 Garnet: 56,786 lbs. Proppant pumped this stage: 291,013 lbs. Total proppant pumped: 10,091,142 lbs. ISIP: 4,017 psi, with a Frac Gradient of 0.91 psi/ft. Qavg: 96.3 bpm, Pavg: 7,244 psi, Qmax: 100.9 bpm, Pmax: 9,162 psi. *****Notes***** We had to run a sweep after .5 ppg 100 mesh hit formation, we got rate back up and pumped all sand away. Max concentration 2 lb on Garnett. **Stage 37 Perf:** RIH set stage 37 CBP at 10,661'. Perforated: 10,646'-10,648', 10,606'-10,608', 10,566'-10,568', 10,526'-10,528'. All shots fired.

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Stage 37 Frac: SICP: 2,250 psi, Formation broke at 4,113 psi, while pumping 15 bpm. Pumpdown 109 bbls. Pumped: Total 15% HCL Acid: 47 bbls. Total Slickwater: 9,266 bbls. Load to recover for this stage: 9,313 bbls. Total load to recover: 298,554 bbls. Containing: Total 100 Mesh: 92,830 lbs, Total 40/70 Ottawa: 142,393 lbs, Total 40/70 Garnet: 55,273 lbs. Proppant pumped this stage: 290,496 lbs. Total proppant pumped: 10,381,638 lbs. ISIP: 3,672 psi, with a Frac Gradient of 0.869 psi/ft. Qavg: 100.1 bpm, Pavg: 7,235 psi, Qmax: 101. bpm, Pmax: 9,086 psi. *****Notes***** Pad was extended to allow formation to open. Stage pumped with all sand away, with a max concentration of 1.75 ppa. Ran a .25 ppa 40/70 Garnet dirty sweep, due to pressure response with 1.75 ppa 40/70 white on formation. Walked concentration back up by .25 ppa increments, and did not get back above 1.75 ppa on 40/70 Garnet. Wireline transitioning from the 4252B to the 4253B. **Stage 38 Perf:** RIH set stage 38 CBP at 10,514'. Perforated: 10,496'-10,498', 10,456'-10,458', 10,416'-10,418', 10,376'-10,378'. All shots fired. Pro Petro swapping out one pump. Prime up and pressure test to 9800 psi. **Stage 38 Frac:** SICP: 2,314 psi, Formation broke at 4,047 psi, while pumping 15 bpm. Pumpdown 95 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,569 bbls. Load to recover for this stage: 7,617 bbls. Total load to recover: 306,266 bbls. Containing: Total 100 Mesh: 95,366 lbs, Total 40/70 Ottawa: 140,710 lbs, Total 40/70 Garnet: 54,145 lbs. Proppant pumped this stage: 290,221 lbs. Total proppant pumped: 10,671,859 lbs. ISIP: 3,813 psi, with a Frac Gradient of 0.886 psi/ft. Qavg: 100.9 bpm, Pavg: 6,890 psi, Qmax: 101. bpm, Pmax: 7,760 psi. *****Notes***** Stage pumped with all sand away. **Stage 39 Perf:** RIH set stage 39 CBP at 10,361'. Perforated: 10,346'-10,348', 10,306'-10,308', 10,266'-10,268', 10,226'-10,228'. All shots fired. Crane and wireline shut down due to 46 mph winds. Will resume ops once winds dies down. **Stage 39 Frac:** SICP: 2,293 psi, Formation broke at 4,426 psi, while pumping 15 bpm. Pumpdown 81 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,536 bbls. Load to recover for this stage: 7,584 bbls. Total load to recover: 313,931 bbls. Containing: Total 100 Mesh: 94,808 lbs, Total 40/70 Ottawa: 148,115 lbs, Total 40/70 Garnet: 34,434 lbs. Proppant pumped this stage: 277,357 lbs. Total proppant pumped: 10,949,216 lbs. ISIP: 4,030 psi, with a Frac Gradient of 0.912 psi/ft. Qavg: 100.4 bpm, Pavg: 6,973 psi, Qmax: 101. bpm, Pmax: 9,428 psi. *****Notes***** Stage was cut short by 20k 40/70 Garnet due to pressure response with 2.25 ppa on formation. Stage threatened to screen out, but was successfully flushed. Waiting on wireline operations on the 4252B. **Stage 40 Perf:** RIH set stage 40 CBP at 10,211'. Perforated: 10,196'-10,198', 10,156'-10,158', 10,115'-10,117', 10,076'-10,078'. All shots fired. Waiting on frac operations on the 4252B. **Stage 40 Frac:** SICP: 2,271 psi, Formation broke at 3,935 psi, while pumping 15 bpm. Pumpdown 87 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,696 bbls. Load to recover for this stage: 7,744 bbls. Total load to recover: 321,762 bbls. Containing: Total 100 Mesh: 95,440 lbs, Total 40/70 Ottawa: 146,240 lbs, Total 40/70 Garnet: 45,566 lbs. Proppant

pumped this stage: 287,246 lbs. Total proppant pumped: 11,236,462 lbs. ISIP: 3,847 psi, with a Frac Gradient of 0.89 psi/ft. Qavg: 99.6 bpm, Pavg: 6,913 psi, Qmax: 100.3 bpm, Pmax: 8,256 psi. ***Notes*** Cut this stage short 8k lbs due to pressure response. Max concentration 1.75 ppg on Garnett. Down due to high winds. Will resume ops once winds subside .

1-23-17 – Initial Completion

Down due to high winds in the area. Resume frac ops at 11:30 AM. **Stage 41 Perf:** RIH set stage 41 CBP at 10,061'. Perforated: 10,046'-10,048', 10,006'-10,008', 9,966'-9,968', 9,926'-9,928'. All shots fired. **Stage 41 Frac:** SICP: 2,051 psi, Formation broke at 4,113 psi, while pumping 15 bpm. Pumpdown 64 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,826 bbls. Load to recover for this stage: 7,874 bbls. Total load to recover: 329,700 bbls. Containing: Total 100 Mesh: 93,328 lbs, Total 40/70 Ottawa: 143,025 lbs, Total 40/70 Garnet: 55,942 lbs. Proppant pumped this stage: 292,295 lbs. Total proppant pumped: 11,528,757 lbs. ISIP: 4,187 psi, with a Frac Gradient of 0.931 psi/ft. Qavg: 100. bpm, Pavg: 6,829 psi, Qmax: 100. bpm, Pmax: 8,270 psi. ***Notes*** Pad extended to allow formation to open. Stage pumped with all sand away. **Stage 42 Perf:** RIH set stage 42 CBP at 9,911'. Perforated: 9,896'-9,898', 9,859'-9,861', 9,816'-9,818', 9,776'-9,778'. All shots fired. Repairing hydraulic hose on hydration unit. **Stage 42 Frac:** SICP: 2,146 psi, Formation broke at 4,840 psi, while pumping 15 bpm. Pumpdown 62 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,760 bbls. Load to recover for this stage: 7,808 bbls. Total load to recover: 337,570 bbls. Containing: Total 100 Mesh: 93,470 lbs, Total 40/70 Ottawa: 140,778 lbs, Total 40/70 Garnet: 59,819 lbs. Proppant pumped this stage: 294,067 lbs. Total proppant pumped: 11,822,824 lbs. ISIP: 4,115 psi, with a Frac Gradient of 0.922 psi/ft. Qavg: 99.8 bpm, Pavg: 6,977 psi, Qmax: 100.2 bpm, Pmax: 8,630 psi. ***Notes*** All sand put away. **Stage 43 Perf:** RIH set stage 43 CBP at 9,761'. Perforated: 9,746'-9,748', 9,706'-9,708', 9,665'-9,667', 9,626'-9,628'. All shots fired. **Stage 43 Frac:** SICP: 2,356 psi, Formation broke at 4,551 psi, while pumping 15 bpm. Pumpdown 57 bbls. Pumped: Total 15% HCL Acid: 47 bbls. Total Slickwater: 7,647 bbls. Load to recover for this stage: 7,694 bbls. Total load to recover: 345,321 bbls. Containing: Total 100 Mesh: 95,378 lbs, Total 40/70 Ottawa: 141,552 lbs, Total 40/70 Garnet: 54,034 lbs. Proppant pumped this stage: 290,964 lbs. Total proppant pumped: 12,113,788 lbs. ISIP: 4,033 psi, with a Frac Gradient of 0.912 psi/ft. Qavg: 100. bpm, Pavg: 6,782 psi, Qmax: 100.4 bpm, Pmax: 8,550 psi. ***Notes*** All sand put away. **Stage 44 Perf:** RIH set stage 44 CBP at 9,611'. Perforated: 9,596'-9,598', 9,556'-9,558', 9,516'-9,518', 9,476'-9,478'. All shots fired. **Stage 44 Frac:** SICP: 2,500 psi, Formation broke at 4,550 psi, while pumping 15 bpm. Pumpdown 44 bbls. Pumped: Total 15% HCL Acid: 47 bbls. Total Slickwater: 7,543 bbls. Load to recover for this stage: 7,590 bbls. Total load to recover: 352,955 bbls. Containing: Total 100 Mesh: 94,361 lbs, Total 40/70 Ottawa: 141,094 lbs, Total 40/70 Garnet: 57,188 lbs. Proppant pumped this stage: 292,643 lbs. Total proppant pumped: 12,406,431 lbs. ISIP: 4,094 psi, with a Frac Gradient of 0.919 psi/ft. Qavg: 99.9 bpm, Pavg: 6,691 psi, Qmax: 100.4 bpm, Pmax: 8,376 psi. ***Notes*** All sand put away Max concentration 2.25 lb. on Garnet.

1-24-17 – Initial Completion

Wireline transitioning from the 4252B to the 4253B and re-heading. Slingshot greasing zipper manifold. **Stage 45 Perf:** RIH set stage 45 CBP at 9,460'. Perforated: 9,444'-9,446', 9,406'-9,408', 9,366'-9,368', 9,326'-9,328'. All shots fired. **Stage 45 Frac:** SICP: 2,415 psi, Formation broke at 5,629 psi, while pumping 15 bpm. Pumpdown 38 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,571 bbls. Load to recover for this stage: 7,619 bbls. Total load to recover: 360,612 bbls. Containing: Total 100 Mesh: 93,221 lbs, Total 40/70 Ottawa: 139,896 lbs, Total 40/70 Garnet: 57,513 lbs. Proppant pumped this stage: 290,630 lbs. Total proppant pumped: 12,697,061 lbs. ISIP: 4,400 psi, with a Frac Gradient of 0.956 psi/ft. Qavg: 100.6 bpm, Pavg: 6,788 psi, Qmax: 101. bpm, Pmax: 7,893 psi. ***Notes*** Stage pumped with all sand away, with a max concentration of 2.00 ppa. **Stage 46 Perf:** RIH set stage 46 CBP at 9,311'. Perforated: 9,296'-9,298', 9,256'-9,258', 9,216'-9,218', 9,176'-9,178'. All shots fired. Waiting on sand to blow off. **Stage 46 Frac:** SICP: 2,365 psi, Formation broke at 5,124 psi, while pumping 15 bpm. Pumpdown 38 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,564 bbls. Load to

recover for this stage: 7,612 bbls. Total load to recover: 368,262 bbls. Containing: Total 100 Mesh: 93,321 lbs, Total 40/70 Ottawa: 142,454 lbs, Total 40/70 Garnet: 54,406 lbs. Proppant pumped this stage: 290,181 lbs. Total proppant pumped: 12,987,242 lbs. ISIP: 4,619 psi, with a Frac Gradient of 0.982 psi/ft. Qavg: 100.2 bpm, Pavg: 6,812 psi, Qmax: 101. bpm, Pmax: 8,332 psi. ***Notes*** Stage pumped with all sand away, with a max concentration of 2.00 ppa. **Stage 47 Perf:** RIH set stage 47 CBP at 9,162'. Perforated: 9,146'-9,148', 9,106'-9,108', 9,066'-9,068', 9,028'-9,030'. All shots fired. **Stage 47 Frac:** SICP: 2,589 psi, Formation broke at 5,994 psi, while pumping 15 bpm. Pumpdown 30 bbls. Pumped: Total 15% HCL Acid: 48 bbls. Total Slickwater: 7,537 bbls. Load to recover for this stage: 7,585 bbls. Total load to recover: 375,877 bbls. Containing: Total 100 Mesh: 92,043 lbs, Total 40/70 Ottawa: 141,943 lbs, Total 40/70 Garnet: 52,132 lbs. Proppant pumped this stage: 286,118 lbs. Total proppant pumped: 13,273,360 lbs. ISIP: 4,122 psi, with a Frac Gradient of 0.923 psi/ft. Qavg: 100.2 bpm, Pavg: 7,092 psi, Qmax: 101. bpm, Pmax: 9,419 psi. ***Notes*** Stage was cut short by 3k 40/70 Garnet due to rising pressure with 2.00 ppa on formation. Stage was screening out on flush as sand was clearing perfs. Burst disc blew at 9419 psi. Shut down, shut-in the pop off, and over flushed the well to make sure wireline could get down. Flushed successfully. **Stage 48 Perf:** RIH set stage 48 CBP at 9,011'. Perforated: 8,996'-8,998', 8,956'-8,958', 8,916'-8,918', 8,876'-8,878'. All shots fired. **Stage 48 Frac:** SICP: 2,500 psi, Formation broke at 5,625 psi, while pumping 15 bpm. Pumpdown 31 bbls. Pumped: Total 15% HCL Acid: 47 bbls. Total Slickwater: 8,586 bbls. Load to recover for this stage: 8,633 bbls. Total load to recover: 384,541 bbls. Containing: Total 100 Mesh: 93,259 lbs, Total 40/70 Ottawa: 141,205 lbs, Total 40/70 Garnet: 34,960 lbs. Proppant pumped this stage: 269,424 lbs. Total proppant pumped: 13,542,784 lbs. ISIP: 4,015 psi, with a Frac Gradient of 0.91 psi/ft. Qavg: 99.4 bpm, Pavg: 7,108 psi, Qmax: 100.4 bpm, Pmax: 8,720 psi. ***Notes*** Cut this stage short due to pressure increase. Max concentration 1.75 ppg. RDMO all frac service equipment. Standby for coil tubing rig up.

1-25-17 – Initial Completion

Pro Petro still moving equipment off of location. Slingshot ND top master valves. Standby for CT drill out on University Red 4252B.

1-26-17 – Initial Completion

Standby for CT drill out.

1-27-17 – Initial Completion

Standby for CT drill out.

1-28-17 – Initial Completion

MIRU Red Zone 2 5/8" CT unit and Cobra tools. Pull tested coil connector to 35k. Cobra MU clean out BHA as follows: Weld on coil connector, 2.875" Dual flapper valve, 2.875" Bowen drilling jars, 2.875" hydraulic disconnect, 2.875" dual circulating sub, 2.875" NOV high pulse agitator, 2.875" PDM Cobra motor, 3.75" bit sub with kut-rite, 4.625". Function tested motor on surface at 3 bpm, with 2900 psi on circ pressure. Pressure tested lubricator to 7500 psi, good test. Open well: 1400 psi. RIH at 120 ft/min, pumping 1 bpm wh: 1400 psi. Stopped @ 7500', performed weight check, weight: 28k. Brought rate up to 3 bpm, wh: 1400 psi, and continued to RIH. Tagged plug #1 @ 9,023', wh: 900 psi, pumping 3 bpm in 3.5 bpm out, through plug in 7 minutes, wh: 900 psi. Sent 10 bbl sweep. RIH for plug #2. Tagged plug #2 @ 9,159', wh: 900 psi, pumping 3 bpm in 3.5 bpm out, through plug in 8 minutes, wh: 900 psi. Sent 10 bbl sweep. RIH for plug #3. Tagged plug #3 @ 9,321', wh: 900 psi, pumping 3 bpm in 3.5 bpm out, through plug in 9 minutes, wh: 900 psi. Sent 10 bbl sweep. RIH for plug #4. Tagged plug #4 @ 9,469', wh: 870 psi, pumping 3 bpm in 3.5 bpm out, through plug in 10 minutes, wh: 900 psi. Sent 10 bbl sweep. RIH for plug #5. Tagged plug #5 @ 9,622', wh: 912 psi, pumping 3 bpm in 3.5 bpm out, through plug in 14 minutes, wh: 900 psi. Sent 10 bbl sweep. RIH for plug #6. Tagged plug #6 @ 9,772', wh: 960 psi, pumping 3 bpm in 3.5 bpm out, through plug in 14 minutes, wh: 940 psi. Sent 10 bbl sweep. RIH for plug #7. Tagged plug #7 @ 9,922', wh: 903 psi, pumping 3 bpm in 3.5 bpm out, through plug in 18 minutes,

wh: 900 psi. Sent 10 bbl sweep. RIH for plug #8. Tagged plug #8 @ 10,073', wh: 926 psi, pumping 3 bpm in 3.5 bpm out, through plug in 10 minutes, wh: 990 psi. Sent 10 bbl sweep. RIH for plug #9. Tagged plug #9 @ 10,223', wh: 1140 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 11 minutes, wh: 1100 psi. Sent 10 bbl sweep. RIH for plug #10. Tagged plug #10 @ 10,375', wh: 1190 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 6 minutes, wh: 1200 psi. Sent 10 bbl sweep. RIH for plug #11. Tagged plug #11 @ 10,528', wh: 1200 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 6 minutes, wh: 1200 psi. Sent 10 bbl sweep. RIH for plug #12. Tagged plug #12 @ 10,674', wh: 1200 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 11 minutes, wh: 1160 psi. Sent 10 bbl sweep. RIH for plug #13. Tagged plug #13 @ 10,824', wh: 1100 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 6 minutes, wh: 1100 psi. Sent 10 bbl sweep. RIH for plug #14. Tagged plug #14 @ 10,974', wh: 1100 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 5 minutes, wh: 1100 psi. Sent 10 bbl sweep. RIH for plug #15. Tagged plug #15 @ 11,127', wh: 1125 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 8 minutes, wh: 1180 psi. Sent 10 bbl sweep. RIH for plug #16. Tagged plug #16 @ 11,275', wh: 1100 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 8 minutes, wh: 1100 psi. Sent 10 bbl sweep. RIH for plug #17. Tagged plug #17 @ 11,423', wh: 1200 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 7 minutes, wh: 1180 psi. Sent 10 bbl sweep. RIH for plug #18. Tagged plug #18 @ 10,580', wh: 1190 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 6 minutes, wh: 1160 psi. Sent 10 bbl sweep. RIH for plug #19. Tagged plug #19 @ 11,727 sent 10-10-10 sweep and pulled up to 7,500' for a short trip. RIH tag plug 19. Tagged plug #19 @ 11,723', wh: 1260 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 4 minutes, wh: 1200 psi. Sent 10 bbl sweep. RIH for plug #20. Tagged plug #20 @ 11,872', wh: 1200 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 6 minutes, wh: 1250 psi. Sent 10 bbl sweep. RIH for plug #21. Tagged plug #21 @ 12,025', wh: 1200 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 6 minutes, wh: 1200 psi. Sent 10 bbl sweep. RIH for plug #22. Tagged plug #22 @ 12,174', wh: 1100 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 6 minutes, wh: 1180 psi. Sent 10 bbl sweep. RIH for plug #23. Tagged plug #23 @ 12,174', wh: 1200 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 5 minutes, wh: 1150 psi. Sent 10 bbl sweep. RIH for plug #24. Tagged plug #24 @ 12,477', wh: 1140 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 5 minutes, wh: 1140 psi. Sent 10 bbl sweep. RIH for plug #25. Tagged plug #25 @ 12,628', wh: 1100 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 8 minutes, wh: 1140 psi. Sent 10 bbl sweep. RIH for plug #26 at time of report.

1-29-17 – Initial Completion

Tagged plug #26 @ 12,774', wh: 1100 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 11 minutes, wh: 1100 psi. Sent 10 bbl sweep. RIH for plug #27. Tagged plug #27 @ 12,774', wh: 1100 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 11 minutes, wh: 1100 psi. Sent 10 bbl sweep. RIH for plug #28. Tagged plug #28 @ 13,078', wh: 1000 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 8 minutes, wh: 1000 psi. Sent 10 bbl sweep. RIH for plug #29. Tagged plug #29 @ 13,225', wh: 1100 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 8 minutes, wh: 1100 psi. Sent 10 bbl sweep. RIH for plug #30. Tagged plug #30 @ 13,385', wh: 1000 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 7 minutes, wh: 1000 psi. Sent 10 bbl sweep. RIH for plug #32. Tagged plug #31 @ 13,533', wh: 1040 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 8 minutes, wh: 1040 psi. Sent 10 bbl sweep. RIH for plug #32. Tagged plug #32 @ 13,664', wh: 1040 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 8 minutes, wh: 1040 psi. Sent 10 bbl sweep. RIH for plug #33. Tagged plug #33 @ 13,816', wh: 1050 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 9 minutes, wh: 1040 psi. Sent 20-10-20 bbl sweeps. RIH for plug #34. Tagged plug #34 @ 13,968', wh: 1080 psi, pumping 3.5 bpm in 3.5 bpm out. Picked up to 13,955', waited for the 20-10-20 bbl sweeps to get above us, and then started short trip. Short trip to 7500', sent another 20-10-20 bbl sweeps to clean the curve. RIH for plug #34. Tagged plug #34 @ 13,959', wh: 1070 psi, pumping 3.5 bpm in 3.5 bpm out, through plug in 9 minutes, wh: 1070 psi. Sent 10 bbl sweep. RIH for plug #35. We got to 13,971', and could not make any more hole. Observed a slow increase in differential pressure on the motor, but it would not stall. Picked up 100', ran back down and tagged the stump, but still could not stall the motor. Bit appears to be worn. Will make a bit trip and run back in. POOH to swap out bit. OOH with coil and noticed part of the motor, bit sub, rotor and bit were not on

the coil. Appears that the motor broke off at the threads and left in hole. Waiting on grapple and overshot to arrive on location. Pull tested coil connector to 35k pressure tested to 5000 psi. RIH with fishing tools, consisting of overshot with extension, grapple, index tool, circ sub, agitator, and jars. Tagged fish at 13,995' put 15 points down on it three consecutive times, and observed a circulation pressure increase of about 250 psi. Circulating pressure stayed 250-300 psi above normal, indicating a good fish catch. POOH. At report time, fish on surface. Full recovery. RIH with new motor and mill assembly and continue drill out operations.

1-30-17 – Initial Completion

CT bumped and fish on surface. Cobra RD fish and fishing tool. MU drilling BHA as follows: 2.875" Dual flapper valve, 2.875" Bowen drilling jars, 2.875" hydraulic disconnect, 2.875" dual circulating sub, 2.875" NOV high pulse agitator, 2.875" PDM Cobra motor, 3.75" bit sub with Kutrite, 4.625" JZ bit.. Function tested motor on surface at 3 bpm, with 2200 psi on circ pressure. Pressure tested lubricator to 7500 psi, good test. RIH @ 120 ft/min, pumping 1 bpm, wh: 1000 psi. Tagged plug #34 @ 13,985', wh: 990 psi, pumping 3.0 bpm in 3.25 bpm out, through plug in 7 minutes, wh: 970 psi. Sent 10 bbl sweeps. RIH for plug #35. Tagged plug #35 @ 14,120', wh: 1014 psi, pumping 3.5 bpm in 4 bpm out, through plug in 11 minutes, wh: 1014 psi. Sent 10 bbl sweeps. RIH for plug #36. Tagged plug #36 @ 14,274', wh: 1000 psi, pumping 3.5 bpm in 4 bpm out, through plug in 6 minutes, wh: 1014 psi. Sent 10 bbl sweeps. RIH for plug #37. Tagged plug #37 @ 14,419', wh: 1016 psi, pumping 3.5 bpm in 4 bpm out, through plug in 9 minutes, wh: 992 psi. Sent 10 bbl sweeps. RIH for plug #38. Tagged plug #38 @ 14,569', wh: 992 psi, pumping 3.5 bpm in 4 bpm out, through plug in 7 minutes, wh: 976 psi. Sent 10 bbl sweeps. RIH for plug #39. Tagged plug #39 @ 14,716', wh: 980 psi, pumping 3.5 bpm in 4 bpm out, through plug in 7 minutes, wh: 980 psi. Sent 10 bbl sweeps. RIH for plug #40. Tagged plug #40 @ 14,868', wh: 968 psi, pumping 3.5 bpm in 4 bpm out, through plug in 6 minutes, wh: 960 psi. Sent 10 bbl sweeps. RIH for plug #41. Tagged plug #41 @ 15,013', wh: 975 psi, pumping 3.5 bpm in 4 bpm out, through plug in 8 minutes, wh: 965 psi. Sent 10 bbl sweeps. RIH for plug #42. Tagged plug #42 @ 15,168', wh: 926 psi, pumping 3.5 bpm in 4 bpm out, through plug in 6 minutes, wh: 890 psi. Sent 10 bbl sweeps. RIH for plug #43. Tagged plug #43 @ 15,310', wh: 1014 psi, pumping 3.5 bpm in 4 bpm out, through plug in 7 minutes, wh: 967 psi. Sent 10 bbl sweeps. RIH for plug #44. Tagged plug #44 @ 15,473', wh: 923 psi, pumping 3.5 bpm in 4 bpm out, through plug in 5 minutes, wh: 928 psi. Sent 10 bbl sweeps. RIH for plug #45. Tagged plug #45 @ 15,615', wh: 911 psi, pumping 3.5 bpm in 4 bpm out, through plug in 10 minutes, wh: 890 psi. Sent 10 bbl sweeps. RIH for plug #46. Tagged plug #46 @ 15,755', wh: 932 psi, pumping 3.5 bpm in 4 bpm out, through plug in 8 minutes, wh: 937 psi. Sent 10 bbl sweeps. RIH for plug #47. Tagged plug #47 @ 15,899', wh: 920 psi, pumping 3.5 bpm in 4 bpm out, through plug in 5 minutes, wh: 893 psi. Sent 10 bbl sweeps. RIH for plug #48. Tagged plug #48 @ 16,054', wh: 937 psi, pumping 3.5 bpm in 4 bpm out, through plug in 6 minutes, wh: 930 psi. Sent 20-10-20 bbl sweeps. RIH to tag PBTD. Tagged PBTD @ 16,067' Wait on 20-10-20 sweep to exit coil. POOH 30ft/min sending multiple sweeps on the way out. Rig up to flowcross, pumped 200 bbls of 12.2 lb kill fluid at 6.7 bpm @ 1500 psi. Well dead. RDMO all equipment, all rentals have been released. Prep to MIRU pulling unit and tubing for ESP install.

1-31-17 – Initial Completion

Big Lake Services pulling unit, Dover ESP, Midland Pipe, Slingshot Services, Fisher Lease Services, Basic kill truck and Versatile arrive on location. MIRU Big Lake Services pulling unit. Set pipe racks, set laydown trailer machine. Unload and rack 7300' 2-7/8" L-80 new tbg. Dover set ESP transformer and drive unit. Star Electric begin power pole connection. Casing has 30# on it. Load 60 bbls 12.2# calcium carbonate kill fluid. NU to casing and pump 20 bbls to kill. Casing dead, ND master frac valve, NU 5k hydraulic BOP. Secure wellhead and SDFN. Ready for ESP install next day

2-1-17 – Initial Completion

Held safety meeting. Well was dead. RU Dover cable spooler. Open BOP and Dover began assembling ESP. Begin picking up tbg by singles while banding cable. Got 104 jts in hole, rig broke down. Air line ruptured at 4:00 PM. While on standby for mechanic, casing and tbg began flowing. Kill truck was loaded with 80 bbls 12.2# calcium carbonate water. NU to casing, pumped 30 bbls kill fluid on csg, 15 bbls on tbg, well was dead, open BOP and well began flowing again. Pumped casing and tbg once more, well would not idle. SD and standby. Discovered calcium carbonate water in frac tank was settling out. Will test and remix again. Shut down all ops, close BOP and secure wellhead. Called Permian Fluids to resolve kill fluid issues by next AM. SDFN

2-2-17 – Initial Completion

12 Hrs: 0 BO, 1652 BW, 0 MCF/d

Casing dead, tbg had 50 psi. Permian Fluids arrive with 80 bbls calcium carbonate kill fluid. NU kill truck on tbg and pump 25 bbls kill fluid, NU on casing and pump 30 bbls kill fluid. Tbg and casing on slight vacuum. Monitor well for 20 mins. Well is dead. Open BOP and resume picking up tbg in singles while cable banding, all tbg in. ND BOP, NU wellhead. Hang off tbg, Dover connect power cable, Fisher build wellhead and connect flowline. Open tbg and start ESP on 45hz at 3:30 pm . ESP start is good. First 300 +/- bbls was 12# calcium carbonate water to pit, then water production was sent to battery. ESP increased to 48hz. RD pull unit and release all rental equipment

2-3-17 – Initial Completion

24 Hrs: 0 BO, 3320 BW, 8 MCF/d