

**PT Petroleum, LLC
University Misty 5121C
"Wolfcamp C"
API 42-461-40608
530' FSL and 620' FEL
Section 12, Block 5, ULS
Upton County, Texas**

9-3-17 – Initial Completion

Met with Phoenix, Pro Petro, and MK water transfer. Marked location for 10 frac tanks, 2 acid tanks, 1, flowback tank, and 2 pump down tanks. Discussed water transfer route with MK. Permian Rentals delivered 1 trash trailer, 6 light plants, man lift, and 6 porta pots. Select Energy Services will start setting tanks today

9-4-17 – Initial Completion

Set the wellhead but did not get to test because they forgot to bring out the test unit. Got the two office trailers set, MK water transfer laying out there water line.

9-5-17 – Initial Completion

Test Frac stack to 9800 psi and held for 15 minutes. MK water transfer finish laying the transfer line and fill tanks. Wellfoam rigging up flowback manifold.

9-6-17 – Initial Completion

Waiting on PU to arrive tomorrow to RU & RIH with tubing to toe prep.

9-7-17 – Initial Completion

Nipple down goat head and top master valve to allow for the workover rig to rig up on top of the flowcross. Moved crane out of the way. Unload 500 JTs of 2-7/8" PH-6 P110 Tubing on racks. No activity wait on pulling unit. MI & spot pulling unit. Wait on daylight to RU and start toe prep operations

9-8-17 – Initial Completion

PU crew AOL. RU Majestic #05 pulling unit. Spot Versatile LD machine and racks. MI Versatile reverse units and reverse pit. NU BOP. Set tubing on pipe rack and tally. Prepare rig floor to RIH w/ tubing. Connect reverse unit to the csg. Test casing to 9800 psi and held for 20 mins. Tested good. MU and RIH w/ BHA and tubing as follows: 4-5/8" 5 Blade Junk Mill, 2-7/8" PDM Motor, 2-7/8" PBL Circ. Tool, 2-7/8" Dual flapper check valve, 2-7/8" Dual flapper check valve, XO (2-3/8" Pac Pin x 2-7/8" PH-6), 1 JT 2-7/8" PH-6 P110 Tbg, 2-7/8" R Nipple, 1 JT 2-7/8" PH-6 P110 Tbg, 2-7/8" RN Nipple, 98 JTs 2-7/8" PH-6 P110 Tbg. Fill up Tbg every 100 JTs. EOT @ 3,202' Continue RIH w/ BHA and 200 JTs 2-7/8" PH-6 P110 Tbg in the well. EOT @ 6,364' Load tubing. Test 2-7/8" tubing rams. Tighten bolts till BOP tested to 4500 psi. Tested good @ 4500 psi for 15 mins. Continue RIH w/ BHA and 264 JTs 2-7/8" PH-6 P110 Tbg in the well. EOT @ 8,357' Pulling Unit ran out of diesel. Prime lines to restart rig. Continue RIH w/ BHA and 335 JTs 2-7/8" PH-6 P110 Tbg in the well. EOT @ 10,629'

9-9-17 – Initial Completion

Continue RIH w/ BHA and 473 JTs 2-7/8" PH-6 P110 Tbg in the well. EOT @ 14,936'. PU and RU power swivel. Install stripping rubber. Install drilling line. Continue RIH w/ BHA and Tbg. Tag FC @ 15,087' with JT# 479. Drilled through the float collar. Tagged float shoe with JT# 480, drilled through it plus 5 feet. Total 15,137', dropped ball to open bypass around the motor and pumped a 10-10-10 sweep. Pumped until we got the sweeps back to surface. Lay down power swivel and POOH laying down tubing. Pulled out 86 JTs of 2-7/8" PH-6 P110 EOT 12,470'. Pumped 1000 gals of 15% HCl acid plus 65 bbls of fresh water to flush it out of the tubing. Rate 4 bpm, pressure 2780 psi. Continue to POOH laying down tubing to 5920'. Breakdown pressure: 4816 psi at 2.5 bpm before acid hit, then 4981 psi at 4.2 bpm, after acid reached formation, 4440 at 5 bpm.

9-10-17 – Initial Completion

POOH, lay down 2-7/8" PH-6 P110 and BHA. Hooked up S-3 and pump acid away. Breakdown 4816 psi @ 2.5 bpm; pumped 24 bbls of acid plus 40 bbls freshwater overflush. Pressure before the acid hit was 4981 @ 4.2 bpm and after the acid hit the pressure was 4440 @5 bpm. ISIP 3029 psi, 5 min 1953 psi, 10 min 1765 psi 15 min 1632 psi, 30 min 1510 psi, 45 min 1491 psi, 60 min 1431 psi. RDMO all services.

9-11-17 – Initial Completion

Frac start date has been pushed to Saturday, September 16th. All services on location ready for Saturday start.

9-12-17 – Initial Completion

No Activity.

9-13-17 – Initial Completion

No Activity.

9-14-17 – Initial Completion

No Activity.

9-15-17 – Initial Completion

ProPetro MI sand kings and begin to fill with sand. Anticipate remaining crew and equip to arrive this afternoon and start RU. Frac to begin at first light on 9/16/17.

9-16-17 – Initial Completion

Frac crew continue to rig up equipment.

9-17-17 – Initial Completion

Bucket test all LA pumps, performed loop test to ensure the suction pumps match, titrate the acid tanks. Noticed acid was not gelled, called for gelling agent. Prime up pumps and pressure test lines, set pop-off to 9780 psi. Held safety meeting with all personnel. Waited on gelling agent for acid for 7.5 hrs. **Stage 1 Frac:** SICP: 997 psi. Formation broke at psi. While pumping 15 bpm. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 224 bbls, Total Slickwater: 11,873 bbls. Load to recover for this stage: 12,145 bbls. Total load to recover:

12,145 bbls. Containing: Total 100 Mesh: 78,820 lbs, 40/70: 250,460 lbs. Total proppant pumped this stage: 329,280 lbs. ISIP: 2,406 psi with a Frac Gradient of .74 psi/ft. Qavg: 98 bpm, Pavg: 6,062 psi, Qmax: 99 bpm, Pmax: 9,131 psi. ***Notes*** All proppant pumped to design. **Stage 2 Perf:** RIH set stage 2 CBP at 15,122'. Perforated: 15,107'-15,109', 15,067'-15,069', 15,027'-15,029', 14,987'-14,989'. All shots fired. **Stage 2 Frac:** SICP: 1,650 psi. Formation broke at 4,659 psi while pumping 15 bpm. Pump down 528 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 217 bbls, Total Slickwater: 13,035 bbls. Load to recover for this stage: 13,299 bbls. Total load to recover: 25,972 bbls. Containing: Total 100 Mesh: 79,140 lbs, 40/70: 250,220 lbs. Proppant pumped this stage: 329,360 lbs. Total proppant pumped: 660,818 lbs. ISIP: 3,152 psi with a Frac Gradient of .83 psi/ft. Qavg: 97 bpm, Pavg: 6,658 psi, Qmax: 97 bpm, Pmax: 8,826 psi. ***Notes*** Ran a sweep after 1.5 ppg 40/70 due to increasing pressure. Ramped back up to 1.5 to finish stage. Stayed at 1.5 ppg 40/70 concentration to completion. All proppant design pumped. **Stage 3 Perf:** RIH set stage 3 CBP at 14,968'. Perforated: 14,955'-14,956', 14,917'-14,918', 14,877'-14,878', 14,837'-14,838'. All shots fired.

9-18-17 – Initial Completion

Stage 3 Frac: SICP: 1,774 psi. Formation broke at 4,344 psi, while pumping 11 bpm. Pumpdown 367 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 12,156 bbls. Load to recover for this stage: 12,404 bbls. Total load to recover: 38,743 bbls. Containing: Total 100 Mesh: 79,060 lbs, 215,620 lbs. Proppant pumped this stage: 294,680 lbs. Total proppant pumped: 953,771 lbs. ISIP: 2,885 psi with a Frac Gradient of .80 psi/ft. Qavg: 98 bpm, Pavg: 6,976 psi, Qmax: 99 bpm, Pmax: 9,303 psi. ***Notes*** We had to cut this stage short by 38K due to rapid pressure increase. We pumped 88% of the sand volume in this stage. **Stage 4 Perf:** RIH set stage 4 CBP at 14,822'. Perforated: 14,807'-14,809', 14,767'-14,769', 14,727'-14,728', 14,682'-14,684'. All shots fired. SPressure test failed on new pump. Standby to fix leak. **Stage 4 Frac:** SICP: 1,779 psi. Formation broke at 3,896 psi. While pumping 15 bpm. Pumpdown 320 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 13,599 bbls. Load to recover for this stage: 13,847 bbls. Total load to recover: 52,909 bbls. Containing: Total 100 Mesh: 79,000 lbs, 250,820 lbs. Proppant pumped this stage: 329,820 lbs. Total proppant pumped: 1,281,577 lbs. ISIP: 3,061 psi with a Frac Gradient of .82 psi/ft. Qavg: 99 bpm, Pavg: 6,984 psi, Qmax: 102 bpm, Pmax: 8,917 psi. ***Notes*** We developed a leak while we were on pad and had to shut down to fix it. After slowing down for the gelled acid we extended the spacer to allow formation to open up. Ran a sweep after 1.25 ppg 40/70 due to pressure increase. Ramped back up to 1.75 ppg 40/70. All proppant pumped. **Stage 5 Perf:** RIH set stage 5 CBP at 14,672'. Perforated: 14,657'-14,659', 14,617'-14,619', 14,577'-14,579', 14,537'-14,539'. All shots fired. Grease frac valve. **Stage 5 Frac:** SICP: 1,903 psi. Formation broke at 3,953 psi. While pumping 10 bpm. Pumpdown 302 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,694 bbls. Load to recover for this stage: 11,942 bbls. Total load to recover: 65,153 bbls. Containing: Total 100 Mesh: 79,100 lbs, 250,400 lbs, 40/70. Proppant pumped this stage: 329,500 lbs. Total proppant pumped: 1,610,506 lbs. ISIP: 4,115 psi with a Frac Gradient of .95 psi/ft. Qavg: 99 bpm, Pavg: 6,991 psi, Qmax: 103 bpm, Pmax: 8,511 psi. ***Notes*** All proppant pumped. Max concentration 1.75. **Stage 6 Perf:** RIH set stage 6 CBP at 14,522'. Perforated: 14,507'-14,508', 14,467'-14,468', 14,432'-14,433', 14,390'-14,391'. All shots fired. **Stage 6 Frac:** SICP: 1,955 psi. Formation broke at 3,681 psi. While pumping 10 bpm. Pumpdown 290 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled

Acid: 200 bbls, Total Slickwater: 11,904 bbls. Load to recover for this stage: 12,151 bbls. Total load to recover: 77,595 bbls. Containing: Total 100 Mesh: 78,960 lbs, 251,000 lbs. Proppant pumped this stage: 329,960 lbs. Total proppant pumped: 1,939,798 lbs. ISIP: 3,877 psi with a Frac Gradient of .92 psi/ft. Qavg: 100 bpm, Pavg: 6,869 psi, Qmax: 103 bpm, Pmax: 8,692 psi. ***Notes*** All proppant pumped, 1.75 ppg max concentration. **Stage 7 Perf:** RIH set stage 7 CBP at 14,372'. Perforated: 14,357'-14,358', 14,317'-14,318', 14,277'-14,278', 14,237'-14,238'. All shots fired.

9-19-17 – Initial Completion

Stage 7 Frac: SICP: 2,036 psi. Formation broke at 3,495 psi while pumping 12 bpm. Pumpdown 266 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,933 bbls. Load to recover for this stage: 12,181 bbls. Total load to recover: 90,041 bbls. Containing: Total 100 Mesh: 78,920 lbs, Total 40/70: 286,060 lbs. Proppant pumped this stage: 364,980 lbs. Total proppant pumped: 2,297,357 lbs. ISIP: 3,614 psi with a Frac Gradient of .89 psi/ft. Qavg: 102 bpm, Pavg: 6,910 psi, Qmax: 103 bpm, Pmax: 8,998 psi. ***Notes*** Pumped to completion with no issues, we were able to pump an extra 34K to make up for stage 3 that was cut short. Max sand concentration 1.75 lb/gal. **Stage 8 Perf:** RIH set stage 8 CBP at 14,222'. Perforated: 14,203'-14,205', 14,170'-14,172', 14,127'-14,129', 14,087'-14,089'. All shots fired. **Stage 8 Frac:** SICP: 1,984 psi. Formation broke at 5,603 psi. While pumping 15 bpm. Pumpdown 266 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,513 bbls. Load to recover for this stage: 11,760 bbls. Total load to recover: 102,067 bbls. Containing: Total 100 Mesh: 78,840 lbs, Total 40/70 White 250,480 lbs. Proppant pumped this stage: 329,320 lbs. Total proppant pumped: 2,626,934 lbs. ISIP: 3,352 psi with a Frac Gradient of .85 psi/ft. Qavg: 100 bpm, Pavg: 6,552 psi, Qmax: 101 bpm, Pmax: 8,965 psi. ***Notes*** Pumped to completion with no issues. Max sand concentration 1.75 lb/gal. **Stage 9 Perf:** RIH set stage 9 CBP at 14,072'. Perforated: 14,057'-14,059', 14,017'-14,019', the last two guns did not fire due to bad switches. Re-wire guns and RBIH stage 9 Perforated: 13,977'-13,979', 13,937'-13,939'. All shots fired. **Stage 9 Frac:** SICP: 1,967 psi. Formation broke at 3,813 psi. While pumping 15 bpm. Pumpdown 562 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,540 bbls. Load to recover for this stage: 11,788 bbls. Total load to recover: 114,417 bbls. Containing: Total 100 Mesh: 77,100 lbs, Total 40/70 White: 250,720 lbs. Proppant pumped this stage: 327,820 lbs. Total proppant pumped: 2,957,605 lbs. ISIP: 4,557 psi with a Frac Gradient of 1.01 psi/ft. Qavg: 100 bpm, Pavg: 6,453 psi, Qmax: 100 bpm, Pmax: 8,867 psi. ***Notes*** All proppant pumped with no issues. Max concentration 1.75. **Stage 10 Perf:** RIH set stage 10 CBP at 13,922'. Perforated: 13,907'-13,908', 13,867'-13,868', 13,827'-13,828', 13,787'-13,788'. All shots fired. Grease wellhead. **Stage 10 Frac:** SICP: 2,096 psi. Formation broke at 4,938 psi. While pumping 10 bpm. Pumpdown 253 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 12,744 bbls. Load to recover for this stage: 12,991 bbls. Total load to recover: 127,662 bbls. Containing: Total 100 Mesh: 77,100 lbs, Total 40/70 White: 250,720 lbs. Proppant pumped this stage: 327,820 lbs. Total proppant pumped: 3,285,906 lbs. ISIP: 4,318 psi with a Frac Gradient of .98 psi/ft. Qavg: 100 bpm, Pavg: 7,408 psi, Qmax: 101 bpm, Pmax: 9,058 psi. ***Notes*** Raised FR and ran a sweep during 40/70 due to increases in pressure. Ramped back up after sweep to a max concentration of 1.5. All proppant pumped. **Stage 11 Perf:** RIH set stage 11 CBP at 13,775'.

Perforated: 13,757'-13,759', 13,717'-13,719', 13,677'-13,679', 13,642'-13,644'. All shots fired. Stage 11 in progress at time of report.

9-20-17 – Initial Completion

Stage 11 Frac: SICP: 2,211 psi. Formation broke at 3,317 psi while pumping 10 bpm. Pumpdown 256 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 12,436 bbls. Load to recover for this stage: 12,684 bbls. Total load to recover: 140,601 bbls. Containing: Total 100 Mesh: 78,700 lbs, Total 40/70 White: 249,780 lbs. Proppant pumped this stage: 328,480 lbs. Total proppant pumped: 3,614,707 lbs. ISIP: 4,199 psi with a Frac Gradient of .96 psi/ft. Qavg: 101 bpm, Pavg: 7,173 psi, Qmax: 102 bpm, Pmax: 8,758 psi. ***Notes*** Held the 1.5 ppg sand throughout stage due to pressure increase. **Stage 12 Perf:** RIH set stage 12 CBP at 13,622'. Perforated: 13,607'-13,609', 13,567'-13,569', 13,527'-13,529', 13,487'-13,489'. All shots fired. **Stage 12 Frac:** SICP: 2,363 psi. Formation broke at 3,727 psi while pumping 11 bpm. Pumpdown 247 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,404 bbls. Load to recover for this stage: 11,652 bbls. Total load to recover: 152,500 bbls. Containing: Total 100 Mesh: 80,020 lbs, Total 40/70 White: 250,200 lbs. Proppant pumped this stage: 330,220 lbs. Total proppant pumped: 3,946,165 lbs. ISIP: 4,409 psi with a Frac Gradient of .99 psi/ft. Qavg: 100 bpm, Pavg: 6,802 psi, Qmax: 101 bpm, Pmax: 9,225 psi. ***Notes*** Pumped stage as design. As we were on flush we lost a clean rate signal and shut the chemicals off early, we also had a couple of pumps kick out. We were able to flush the well. **Stage 13 Perf:** RIH set stage 13 CBP at 13,472'. Perforated: 13,457'-13,459', 13,414'-13,416', 13,380'-13,382', 13,337'-13,339'. All shots fired. Swapping out 1 frac pump. **Stage 13 Frac:** SICP: 2,182 psi. Formation broke at 3,493 psi while pumping 15 bpm. Pumpdown 231 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,298 bbls. Load to recover for this stage: 11,546 bbls. Total load to recover: 164,277 bbls. Containing: Total 100 Mesh: 78,720 lbs, Total 40/70 White: 250,240 lbs. Proppant pumped this stage: 328,960 lbs. Total proppant pumped: 4,275,642 lbs. ISIP: 3,951 psi with a Frac Gradient of .93 psi/ft. Qavg: 101 bpm, Pavg: 6,463 psi, Qmax: 102 bpm, Pmax: 8,996 psi. ***Notes*** Pumped stage as design. **Stage 14 Perf:** RIH set stage 14 CBP at 13,322'. Perforated: 13,307'-13,309', 13,267'-13,269', 13,227'-13,229', 13,187'-13,189'. All shots fired. **Stage 14 Frac:** SICP: 2,230 psi. Formation broke at 3,512 psi while pumping 14 bpm. Pumpdown 227 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 14,104 bbls. Load to recover for this stage: 14,352 bbls. Total load to recover: 178,856 bbls. Containing: Total 100 Mesh: 78,720 lbs, Total 40/70 White: 250,520 lbs. Proppant pumped this stage: 329,240 lbs. Total proppant pumped: 4,605,457 lbs. ISIP: 4,332 psi with a Frac Gradient of .98 psi/ft. Qavg: 101 bpm, Pavg: 6,190 psi, Qmax: 102 bpm, Pmax: 9,010 psi. ***Notes*** Pro Petro lost the hydraulic engine on blender during .5 ppa 100 mesh due to an oil leak. Flushed the well with 430 bbls at 20 bpm with pumpdown pumps. Repaired frac pump and ran a 700 bbl pad and ramped 100 mesh up to .75 ppa. Ran an additional sweep during 100 mesh due to pressure increase. Max concentration 1.75 for 40/70. All designed proppant volume pumped. **Stage 15 Perf:** RIH set stage 15 CBP at 13,172'. Perforated: 13,153'-13,155', 13,117'-13,119', 13,077'-13,079', 13,037'-13,039'. All shots fired. **Stage 15 Frac:** SICP: 2,373 psi. Formation broke at 4,957 psi while pumping 15 bpm. Pumpdown 213 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 13,131 bbls. Load to recover for this stage: 13,379 bbls. Total load to recover: 192,448 bbls. Containing:

Total 100 Mesh: 78,720 lbs, Total 40/70 White: 250,520 lbs. Proppant pumped this stage: 329,240 lbs. Total proppant pumped: 4,936,168 lbs. ISIP: 4,943 psi with a Frac Gradient of 1.05 psi/ft. Qavg: 100 bpm, Pavg: 7,112 psi, Qmax: 101 bpm, Pmax: 8,300 psi. ***Notes*** Ran a sweep during 1.5 ppa 40/70 due to increasing pressure. Ramped back up to a max concentration of 1.5 ppa 40/70. All designed proppant volume pumped. **Stage 16 Perf:** RIH set stage 16 CBP at 13,020'. Perforated: 13,007'-13,009', 12,967'-12,969', 12,927'-12,929', 12,887'-12,889'. All shots fired. Stage 16 in progress at report time.

9-21-17 – Initial Completion

Stage 16 Frac: SICP: 2,392 psi. Formation broke at 3,870 psi while pumping 15 bpm. Pumpdown 203 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 14,190 bbls. Load to recover for this stage: 14,438 bbls. Total load to recover: 207,089 bbls. Containing: Total 100 Mesh: 81,380 lbs, Total 40/70 White: 226,163 lbs. Proppant pumped this stage: 307,543 lbs. Total proppant pumped: 5,241,356 lbs. ISIP: 3,684 psi with a Frac Gradient of .9 psi/ft. Qavg: 101 bpm, Pavg: 7,026 psi, Qmax: 102 bpm, Pmax: 8,583 psi. ***Notes*** Pumped 93% of the sand volume on this stage due to pressure climbing. Ran 2 sweeps to try and help out with the pressure climb. Max sand concentration was 1 lb. **Stage 17 Perf:** RIH set stage 17 CBP at 12,872'. Perforated: 12,857'-12,859', 12,817'-12,819', 12,777'-12,779', 12,737'-12,739'. All shots fired. **Stage 17 Frac:** SICP: 2,492 psi. Formation broke at 3,322 psi while pumping 12 bpm. Pumpdown 169 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,530 bbls. Load to recover for this stage: 11,777 bbls. Total load to recover: 219,035 bbls. Containing: Total 100 Mesh: 78,920 lbs, Total 40/70 White: 277,280 lbs. Proppant pumped this stage: 356,200 lbs. Total proppant pumped: 5,597,161 lbs. ISIP: 3,899 psi with a Frac Gradient of .92 psi/ft. Qavg: 100 bpm, Pavg: 6,511 psi, Qmax: 101 bpm, Pmax: 8,791 psi. ***Notes*** Pumped to completion with no issues, ran an extra 27K lbs of 40/70 to make up for cutting the last stage short. **Stage 18 Perf:** RIH set stage 18 CBP at 12,724'. Perforated: 12,707'-12,709', only one gun fired, POOH check guns. Confirmed miss run on 3 guns due to faulty switches. Re-wire and RBIH to finish perf stage 18. Perforated: 12,667'-12,669', 12,623'-12,625', 12,597'-12,599'. All shots fired. **Stage 18 Frac:** SICP: 2,239 psi. Formation broke at 3,469 psi while pumping 11 bpm. Pumpdown 361 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,251 bbls. Load to recover for this stage: 11,499 bbls. Total load to recover: 230,895 bbls. Containing: Total 100 Mesh: 77,080 lbs, Total 40/70 White: 251,420 lbs. Proppant pumped this stage: 328,500 lbs. Total proppant pumped: 5,927,096 lbs. ISIP: 3,908 psi with a Frac Gradient of .92 psi/ft. Qavg: 100 bpm, Pavg: 6,157 psi, Qmax: 100 bpm, Pmax: 8,996 psi. ***Notes*** All proppant pumped to design. **Stage 19 Perf:** RIH set stage 19 CBP at 12,572'. Perforated: 12,557'-12,559', 12,517'-12,519', 12,477'-12,479', 12,437'-12,439'. All shots fired. **Stage 19 Frac:** SICP: 2,420 psi. Formation broke at 6,115 psi while pumping 15 bpm. Pumpdown 181 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,357 bbls. Load to recover for this stage: 11,605 bbls. Total load to recover: 242,680 bbls. Containing: Total 100 Mesh: 78,480 lbs, Total 40/70 White: 250,560 lbs. Proppant pumped this stage: 329,040 lbs. Total proppant pumped: 6,257,713 lbs. ISIP: 4,843 psi with a Frac Gradient of 1.04 psi/ft. Qavg: 100 bpm, Pavg: 6,436 psi, Qmax: 101 bpm, Pmax: 8,266 psi. ***Notes*** All proppant pumped to design. **Stage 20 Perf:** RIH set stage 20 CBP at 12,422'. Perforated: 12,407'-12,409', 12,373'-12,375', 12,330'-12,332', 12,287'-12,289'. All shots fired. **Stage 20 Frac:** SICP: 2,480 psi. Formation broke at 5,167 psi while pumping 15 bpm.

Pumpdown 195 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 12,448 bbls. Load to recover for this stage: 12,695 bbls. Total load to recover: 255,571 bbls. Containing: Total 100 Mesh: 78,920 lbs, Total 40/70 White: 250,280 lbs. Proppant pumped this stage: 329,200 lbs. Total proppant pumped: 6,586,933 lbs. ISIP: 3,903 psi with a Frac Gradient of .92 psi/ft. Qavg: 100 bpm, Pavg: 6,627 psi, Qmax: 100 bpm, Pmax: 8,456 psi. ***Notes*** Ran a sweep after 1.25 ppa 40/70 due to increasing pressure. Ramped up to 1.75. All proppant pumped. **Stage 21 Perf:** RIH set stage 21 CBP at 12,272'. Perforated: 12,254'-12,256', 12,212'-12,214', 12,180'-12,182', 12,137'-12,139'. All shots fired.

9-22-17 – Initial Completion

Stage 21 Frac: SICP: 2,516 psi. Formation broke at 6,245 psi while pumping 15 bpm. Pumpdown 180 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 13,254 bbls. Load to recover for this stage: 13,502 bbls. Total load to recover: 269,253 bbls. Containing: Total 100 Mesh: 81,620 lbs, Total 40/70 White: 250,560 lbs. Proppant pumped this stage: 332,180 lbs. Total proppant pumped: 6,915,587 lbs. ISIP: 4,418 psi with a Frac Gradient of .99 psi/ft. Qavg: 98 bpm, Pavg: 6,547 psi, Qmax: 101 bpm, Pmax: 9,306 psi. ***Notes*** We had to extend pad to allow formation to open, then after gelled acid we had to shut down due to the hydration unit developing a leak on a hydraulic hose. We were able to flush the well before shutting down. All sand was placed max sand concentration was 2 lb. **Stage 22 Perf:** RIH set stage 22 CBP at 12,122'. Perforated: 12,107'-12,109', 12,067'-12,069', 12,027'-12,029', 11,987'-11,989'. All shots fired. **Stage 22 Frac:** SICP: 2,616 psi. Formation broke at 5,386 psi while pumping 11 bpm. Pumpdown 140 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,327 bbls. Load to recover for this stage: 11,575 bbls. Total load to recover: 280,967 bbls. Containing: Total 100 Mesh: 78,800 lbs, Total 40/70 White: 250,820 lbs. Proppant pumped this stage: 329,620 lbs. Total proppant pumped: 7,246,325 lbs. ISIP: 4,342 psi with a Frac Gradient of .98 psi/ft. Qavg: 100 bpm, Pavg: 5,998 psi, Qmax: 100 bpm, Pmax: 9,063 psi. ***Notes*** Pumped to completion with no issues. **Stage 23 Perf:** RIH set stage 23 CBP at 11,972'. Perforated: 11,959'-11,961', 11,917'-11,919', 11,877'-11,879', 11,837'-11,839'. All shots fired. **Stage 23 Frac:** SICP: 2,680 psi. Formation broke at 4,430 psi while pumping 10 bpm. Pumpdown 146 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,400 bbls. Load to recover for this stage: 11,648 bbls. Total load to recover: 292,761 bbls. Containing: Total 100 Mesh: 79,000 lbs, Total 40/70 White: 251,000 lbs. Proppant pumped this stage: 330,000 lbs. Total proppant pumped: 7,576,252 lbs. ISIP: 4,153 psi with a Frac Gradient of .96 psi/ft. Qavg: 100 bpm, Pavg: 6,182 psi, Qmax: 101 bpm, Pmax: 8,802 psi. ***Notes*** All proppant pumped to design. **Stage 24 Perf:** RIH set stage 24 CBP at 11,819'. Perforated: 11,807'-11,809', 11,767'-11,769', 11,727'-11,729', 11,687'-11,689'. All shots fired. **Stage 24 Frac:** SICP: 2,594 psi. Formation broke at 3,728 psi while pumping 15 bpm. Pumpdown 159 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,219 bbls. Load to recover for this stage: 11,467 bbls. Total load to recover: 304,387 bbls. Containing: Total 100 Mesh: 75,860 lbs, Total 40/70 White: 250,640 lbs. Proppant pumped this stage: 326,500 lbs. Total proppant pumped: 7,904,984 lbs. ISIP: 4,425 psi with a Frac Gradient of .99 psi/ft. Qavg: 100 bpm, Pavg: 6,011 psi, Qmax: 100 bpm, Pmax: 8,526 psi. ***Notes*** All proppant pumped to design. **Stage 25 Perf:** RIH set stage 25 CBP at 11,672'. Perforated: 11,657'-11,659', 11,617'-11,619', 11,577'-11,579', 11,537'-11,539'. All shots fired. Grease wellhead. **Stage 25 Frac:** SICP: 2,551 psi. Formation broke at 4,665 psi while pumping 15 bpm. Pumpdown 149 bbls.

Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,221 bbls. Load to recover for this stage: 11,469 bbls. Total load to recover: 316,005 bbls. Containing: Total 100 Mesh: 79,240 lbs, Total 40/70 White: 250,420 lbs. Proppant pumped this stage: 329,660 lbs. Total proppant pumped: 8,236,136 lbs. ISIP: 4,482 psi with a Frac Gradient of 1. psi/ft. Qavg: 100 bpm, Pavg: 6,107 psi, Qmax: 100 bpm, Pmax: 8,273 psi. ***Notes*** All proppant pumped to design. **Stage 26 Perf:** RIH set stage 26 CBP at 11,524'. Perforated: 11,507'-11,509', 11,467'-11,469', 11,427'-11,429', 11,392'-11,394'. All shots fired. Stage 26 in progress.

9-23-17 – Initial Completion

Stage 26 Frac: SICP: 2,670 psi. Formation broke at 3,858 psi while pumping 15 bpm. Pumpdown 147 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,214 bbls. Load to recover for this stage: 11,461 bbls. Total load to recover: 327,613 bbls. Containing: Total 100 Mesh: 77,970 lbs, Total 40/70 White: 254,440 lbs. Proppant pumped this stage: 332,410 lbs. Total proppant pumped: 8,569,797 lbs. ISIP: 4,678 psi with a Frac Gradient of 1.02 psi/ft. Qavg: 101 bpm, Pavg: 6,245 psi, Qmax: 102 bpm, Pmax: 8,478 psi. ***Notes*** Pumped to completion with no issues. **Stage 27 Perf:** RIH set stage 27 CBP at 11,372'. Perforated: 11,357'-11,359', 11,317'-11,319', 11,277'-11,279', 11,237'-11,239'. All shots fired. **Stage 27 Frac:** SICP: 2,570 psi. Formation broke at 4,821 psi while pumping 11 bpm. Pumpdown 114 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,031 bbls. Load to recover for this stage: 11,279 bbls. Total load to recover: 339,006 bbls. Containing: Total 100 Mesh: 78,320 lbs, Total 40/70 White: 235,700 lbs. Proppant pumped this stage: 314,020 lbs. Total proppant pumped: 8,881,870 lbs. ISIP: 4,439 psi with a Frac Gradient of .99 psi/ft. Qavg: 101 bpm, Pavg: 6,945 psi, Qmax: 103 bpm, Pmax: 9,108 psi. ***Notes*** We had to cut this stage short due to pressure response as 1.75lb/gal was hitting formation. We pumped 95% of the sand volume in this stage. **Stage 28 Perf:** RIH set stage 28 CBP at 11,222'. Perforated: 11,207'-11,209', 11,164'-11,166', 11,133'-11,135', 11,090'-11,092'. All shots fired. **Stage 28 Frac:** SICP: 2,709 psi. Formation broke at 4,101 psi. While pumping 10 bpm. Pumpdown 118 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,162 bbls. Load to recover for this stage: 11,410 bbls. Total load to recover: 350,534 bbls. Containing: Total 100 Mesh: 78,320 lbs, Total 40/70 White: 235,700 lbs. Proppant pumped this stage: 314,020 lbs. Total proppant pumped: 9,213,462 lbs. ISIP: 4,597 psi with a Frac Gradient of 1.01 psi/ft. Qavg: 101 bpm, Pavg: 6,662 psi, Qmax: 102 bpm, Pmax: 9,041 psi. ***Notes*** Pumped to completion with no issues. Max sand concentration was 2 lb/gal. **Stage 29 Perf:** RIH set stage 29 CBP at 11,072'. Perforated: 11,057'-11,059', 11,017'-11,019', 10,977'-10,979', 10,937'-10,939'. All shots fired. **Stage 29 Frac:** SICP: 2,699 psi. Formation broke at 3,786 psi. While pumping 10 bpm. Pumpdown 108 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,290 bbls. Load to recover for this stage: 11,538 bbls. Total load to recover: 362,179 bbls. Containing: Total 100 Mesh: 78,740 lbs, Total 40/70 White: 250,240 lbs. Proppant pumped this stage: 328,980 lbs. Total proppant pumped: 9,543,188 lbs. ISIP: 4,277 psi with a Frac Gradient of .97 psi/ft. Qavg: 101 bpm, Pavg: 6,299 psi, Qmax: 101 bpm, Pmax: 9,012 psi. ***Notes*** All proppant pumped to design. **Stage 30 Perf:** Grease wellhead. **Stage 30 Perf:** RIH set stage 30 CBP at 10,922'. Perforated: 10,907'-10,909', 10,865'-10,867', 10,827'-10,829', 10,787'-10,789'. All shots fired. WL had to re-head before going in hole.

9-24-17 – Initial Completion

Stage 30 Frac: SICP: 2,022 psi. Formation broke at 4,349 psi while pumping 11 bpm. Pumpdown 108 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,254 bbls. Load to recover for this stage: 11,501 bbls. Total load to recover: 373,789 bbls. Containing: Total 100 Mesh: 78,000 lbs, Total 40/70 White: 262,700 lbs. Proppant pumped this stage: 340,700 lbs. Total proppant pumped: 9,882,790 lbs. ISIP: 4,144 psi with a Frac Gradient of .95 psi/ft. Qavg: 101 bpm, Pavg: 6,283 psi, Qmax: 101 bpm, Pmax: 9,046 psi. ***Notes*** Pumped to completion with no issues. We were able to pump the extra 12K lbs 40/70 that was left over from stage #27. Max sand concentration 2 lb/gal. **Stage 31 Perf:** RIH set stage 31 CBP at 10,772'. Perforated: 10,757'-10,759', 10,717'-10,719', 10,677'-10,679', 10,637'-10,639'. All shots fired. **Stage 31 Frac:** SICP: 2,542 psi. Formation broke at 4,692 psi while pumping 10 bpm. Pumpdown 96 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,028 bbls. Load to recover for this stage: 11,276 bbls. Total load to recover: 385,161 bbls. Containing: Total 100 Mesh: 78,980 lbs, Total 40/70 White: 250,820 lbs. Proppant pumped this stage: 329,800 lbs. Total proppant pumped: 10,212,321 lbs. ISIP: 4,301 psi with a Frac Gradient of .97 psi/ft. Qavg: 101 bpm, Pavg: 5,773 psi, Qmax: 102 bpm, Pmax: 9,065 psi. ***Notes*** Pumped stage as design. **Stage 32 Perf:** RIH set stage 32 CBP at 10,622'. Perforated: 10,605'-10,607', 10,567'-10,569', 10,527'-10,529', 10,487'-10,489'. All shots fired. **Stage 32 Frac:** SICP: 2,480 psi. Formation broke at 4,234 psi while pumping 10 bpm. Pumpdown 85 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,209 bbls. Load to recover for this stage: 11,457 bbls. Total load to recover: 396,703 bbls. Containing: Total 100 Mesh: 72,400 lbs, Total 40/70 White: 250,400 lbs. Proppant pumped this stage: 322,800 lbs. Total proppant pumped: 10,542,341 lbs. ISIP: 3,848 psi with a Frac Gradient of .92 psi/ft. Qavg: 101 bpm, Pavg: 5,808 psi, Qmax: 101 bpm, Pmax: 8,454 psi. ***Notes*** All proppant pumped to design. **Stage 33 Perf:** RIH set stage 33 CBP at 10,472'. Perforated: 10,457'-10,459', 10,417'-10,419', 10,377'-10,379', 10,337'-10,339'. All shots fired. **Stage 33 Frac:** SICP: 2,480 psi. Formation broke at 4,410 psi while pumping 15 bpm. Pumpdown 92 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,162 bbls. Load to recover for this stage: 11,410 bbls. Total load to recover: 408,205 bbls. Containing: Total 100 Mesh: 79,080 lbs, Total 40/70 White: 250,620 lbs. Proppant pumped this stage: 329,700 lbs. Total proppant pumped: 10,873,165 lbs. ISIP: 4,129 psi with a Frac Gradient of .95 psi/ft. Qavg: 101 bpm, Pavg: 5,462 psi, Qmax: 101 bpm, Pmax: 8,164 psi. ***Notes*** All proppant pumped to design. **Stage 34 Perf:** RIH set stage 34 CBP at 10,322'. Perforated: 10,307'-10,309', 10,267'-10,269', 10,227'-10,229', 10,187'-10,189'. All shots fired. **Stage 34 Frac:** SICP: 2,608 psi. Formation broke at 14 psi while pumping 5674 bpm. Pumpdown 90 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,162 bbls. Load to recover for this stage: 11,409 bbls. Total load to recover: 419,704 bbls. Containing: Total 100 Mesh: 82,400 lbs, Total 40/70 White: 250,000 lbs. Proppant pumped this stage: 332,400 lbs. Total proppant pumped: 11,203,439 lbs. ISIP: 4,478 psi with a Frac Gradient of 1.0 psi/ft. Qavg: 101 bpm, Pavg: 6,287 psi, Qmax: 101 bpm, Pmax: 8,635 psi. ***Notes*** All proppant pumped to design. **Stage 35 Perf:** RIH set stage 35 CBP at 10,166'. Perforated: 10,154'-10,156', 10,117'-10,119', 10,077'-10,079', 10,037'-10,039'. All shots fired. Stage 35 in progress at report time.

9-25-17 – Initial Completion

Stage 35 Frac: SICP: 2,809 psi. Formation broke at 6,228 psi while pumping 15 bpm. Pumpdown 90 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 10,830 bbls. Load to recover for this stage: 11,077 bbls. Total load to recover: 430,871 bbls. Containing: Total 100 Mesh: 79,320 lbs, Total 40/70 White: 227,600 lbs. Proppant pumped this stage: 306,920 lbs. Total proppant pumped: 11,505,245 lbs. ISIP: 4,759 psi with a Frac Gradient of 1.03 psi/ft. Qavg: 101 bpm, Pavg: 6,840 psi, Qmax: 102 bpm, Pmax: 9,160 psi. ***Notes*** We had to cut this stage short due to pressure response as 1.5 lb/gal 40/70 hit formation, we were able to pump 92% of the sand volume in this stage. **Stage 36 Perf:** RIH set stage 36 CBP at 10,022'. Perforated: 10,007'-10,009', 9,967'-9,969', 9,927'-9,929', 9,887'-9,889'. All shots fired. Grease wellhead. Waiting on sand to arrive and unload. **Stage 36 Frac:** SICP: 2,365 psi. Formation broke at 4,082 psi while pumping 10 bpm. Pumpdown 40 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,619 bbls. Load to recover for this stage: 11,867 bbls. Total load to recover: 442,778 bbls. Containing: Total 100 Mesh: 79,580 lbs, Total 40/70 White: 164,620 lbs. Proppant pumped this stage: 244,200 lbs. Total proppant pumped: 11,735,785 lbs. ISIP: 4,415 psi with a Frac Gradient of .99 psi/ft. Qavg: 100 bpm, Pavg: 6,882 psi, Qmax: 102 bpm, Pmax: 8,883 psi. ***Notes*** As we were pumping the ball down, water transfer informed us that they were having trouble with one of their pumps. We seated the ball and broke formation down and pushed acid away then shut down so they could swap out their pump. Again, after the gelled acid stage we had to shut down because water transfer could not keep up. We had to cut this stage short by 100K lbs sand, because after 1.25 ppg 40/70 hit formation we pumped a sweep and did witness pressure reduction. As we came back online with .25 ppg sand the pressure lined out but rapidly increased after .50 ppg hit, had to call flush to prevent screen out. **Stage 37 Perf:** RIH set stage 37 CBP at 9,878'. Perforated: 9,857'-9,859', 9,817'-9,819', 9,777'-9,779', 9,737'-9,739'. All shots fired. **Stage 37 Frac:** SICP: 2,418 psi. Formation broke at 3,977 psi while pumping 15 bpm. Pumpdown 70 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 12,981 bbls. Load to recover for this stage: 13,229 bbls. Total load to recover: 456,077 bbls. Containing: Total 100 Mesh: 78,720 lbs, Total 40/70 White: 275,900 lbs. Proppant pumped this stage: 354,620 lbs. Total proppant pumped: 12,088,815 lbs. ISIP: 3,791 psi with a Frac Gradient of .91 psi/ft. Qavg: 100 bpm, Pavg: 6,619 psi, Qmax: 100 bpm, Pmax: 8,655 psi. ***Notes*** Ran a sweep during 1.5 ppa 40/70 due to increasing pressure. Ramped back up to 1.75 ppg max concentration. Ran 25k lbs extra 40/70 from previous stages. **Stage 38 Perf:** RIH set stage 38 CBP at 9,722'. Perforated: 9,707'-9,709', 9,667'-9,669', 9,627'-9,629', 9,587'-9,589'. All shots fired. **Stage 38 Frac:** SICP: 2,546 psi. Formation broke at 4,418 psi while pumping 15 bpm. Pumpdown 69 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,534 bbls. Load to recover for this stage: 11,781 bbls. Total load to recover: 467,927 bbls. Containing: Total 100 Mesh: 78,720 lbs, Total 40/70 White: 281,240 lbs. Proppant pumped this stage: 359,960 lbs. Total proppant pumped: 12,454,196 lbs. ISIP: 4,463 psi with a Frac Gradient of .99 psi/ft. Qavg: 100 bpm, Pavg: 6,317 psi, Qmax: 101 bpm, Pmax: 8,407 psi. ***Notes*** All proppant pumped to design. We pumped an extra 30k lbs that was cut from previous stages. **Stage 39 Perf:** RIH set stage 39 CBP at 9,574'. Perforated: 9,557'-9,559', 9,517'-9,519', 9,477'-9,479', 9,440'-9,442'. All shots fired. **Stage 39 Frac:** SICP: 2,670 psi. Formation broke at 5,026 psi while pumping 15 bpm. Pumpdown 60 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,541 bbls. Load to recover for this stage: 11,789 bbls. Total load

to recover: 479,776 bbls. Containing: Total 100 Mesh: 78,200 lbs, Total 40/70 White: 277,500 lbs. Proppant pumped this stage: 355,700 lbs. Total proppant pumped: 12,817,775 lbs. ISIP: 4,797 psi with a Frac Gradient of 1.04 psi/ft. Qavg: 100 bpm, Pavg: 6,062 psi, Qmax: 101 bpm, Pmax: 8,712 psi. ***Notes*** All proppant pumped to design. Pumped 27k extra 40/70 that was cut from previous stages. RIH for stage 40.

9-26-17 – Initial Completion

Stage 40 Perf: RIH set stage 40 CBP at 9,422'. Perforated: 9,407'-9,409', 9,367'-9,369', 9,327'-9,329', 9,287'-9,289'. All shots fired. **Stage 40 Frac:** SICP: 2,804 psi. Formation broke at 4,954 psi while pumping 10 bpm. Pumpdown 58 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,653 bbls. Load to recover for this stage: 11,901 bbls. Total load to recover: 491,735 bbls. Containing: Total 100 Mesh: 78,880 lbs, Total 40/70 White: 279,420 lbs. Proppant pumped this stage: 358,300 lbs. Total proppant pumped: 13,184,525 lbs. ISIP: 4,749 psi with a Frac Gradient of 1.03 psi/ft. Qavg: 101 bpm, Pavg: 6,667 psi, Qmax: 102 bpm, Pmax: 8,912 psi. ***Notes*** Pumped stage as design plus an extra 28K from the earlier stage that was cut short. Grease wellhead. **Stage 41 Perf:** RIH set stage 41 CBP at 9,272'. Perforated: 9,257'-9,259', 9,217'-9,219', 9,176'-9,178', 9,137'-9,139'. All shots fired. **Stage 41 Frac:** SICP: 2,813 psi. Formation broke at 5,169 psi while pumping 10 bpm. Pumpdown 39 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,084 bbls. Load to recover for this stage: 11,331 bbls. Total load to recover: 503,105 bbls. Containing: Total 100 Mesh: 75,940 lbs, Total 40/70 White: 251,100 lbs. Proppant pumped this stage: 327,040 lbs. Total proppant pumped: 13,514,272 lbs. ISIP: 4,563 psi with a Frac Gradient of 1.01 psi/ft. Qavg: 100 bpm, Pavg: 6,435 psi, Qmax: 102 bpm, Pmax: 8,879 psi. ***Notes*** Pumped stage as design. **Stage 42 Perf:** RIH set stage 42 CBP at 9,122'. Perforated: 9,107'-9,109', 9,067'-9,069', 9,027'-9,029', 8,987'-8,989'. All shots fired. Waiting on sand delivery. **Stage 42 Frac:** SICP: 2,670 psi. Formation broke at 3,509 psi while pumping 10 bpm. Pumpdown 34 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,034 bbls. Load to recover for this stage: 11,281 bbls. Total load to recover: 514,420 bbls. Containing: Total 100 Mesh: 78,900 lbs, Total 40/70 White: 250,820 lbs. Proppant pumped this stage: 329,720 lbs. Total proppant pumped: 13,845,477 lbs. ISIP: 4,621 psi with a Frac Gradient of 1.01 psi/ft. Qavg: 100 bpm, Pavg: 6,333 psi, Qmax: 100 bpm, Pmax: 8,717 psi. ***Notes*** All proppant pumped to design. **Stage 43 Perf:** RIH set stage 43 CBP at 8,972'. Perforated: 8,957'-8,959', 8,917'-8,919', 8,877'-8,879', 8,837'-8,839'. All shots fired. **Stage 43 Frac:** SICP: 2,832 psi. Formation broke at 6,509 psi while pumping 15 bpm. Pumpdown 45 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,018 bbls. Load to recover for this stage: 11,266 bbls. Total load to recover: 525,732 bbls. Containing: Total 100 Mesh: 78,980 lbs, Total 40/70 White: 244,600 lbs. Proppant pumped this stage: 323,580 lbs. Total proppant pumped: 14,169,298 lbs. ISIP: 4,234 psi with a Frac Gradient of .97 psi/ft. Qavg: 100 bpm, Pavg: 6,266 psi, Qmax: 101 bpm, Pmax: 8,645 psi. ***Notes*** All proppant pumped to design. **Stage 44 Perf:** RIH set stage 44 CBP at 8,822'. Perforated: 8,807'-8,809', 8,767'-8,769', 8,727'-8,729', 8,687'-8,689'. All shots fired. **Stage 44 Frac:** SICP: 2,630 psi. Formation broke at 4,626 psi while pumping 14 bpm. Pumpdown 46 bbls. Pumped: Total 10% HCL Acid: 48 bbls, Total 10% HCL Gelled Acid: 200 bbls, Total Slickwater: 11,009 bbls. Load to recover for this stage: 11,256 bbls. **Total load to recover:** 537,034 bbls. Containing: Total 100 Mesh: 77,700 lbs, Total 40/70 White: 243,280 lbs.

Proppant pumped this stage: 320,980 lbs. **Total proppant pumped:** 14,490,745 lbs. ISIP: 4,497 psi with a Frac Gradient of 1.0 psi/ft. Qavg: 100 bpm, Pavg: 6,291 psi, Qmax: 101 bpm, Pmax: 8,488 psi. ***Notes*** All proppant pumped to design. RIH set bridge plug at 7,650'. Test plug to 4200 psi then bled pressure off to 0 psi. POOH. RD down frac equipment and move over to the University Orange 6091D. Prepping location for PU and tubing to arrive for plug drill out.

9-27-17 – Initial Completion

Majestic pulling unit arrive, set rig mat and RU unit. ND goat head and one master valve, Versatile deliver 5k hydraulic BOP. NU BOP and JU stripper. Midland Pipe deliver 223 jts 2-3/8" and 276 jts 2-7/8" PH 6 tbg. Rack tbg and set up laydown trailer. NU flowback manifold. Set up reverse pit and pumps. Black Fox Oil Tools arrive with motor and bit. Assemble BHA. Casing still dead (cap plug set @ 7650'), open BOP and begin TIH tbg by singles. Ran 99 jts in hole and had to SD and standby for heavy rain to stop. Down one hour, resume TIH. Reached tbg depth of 7527'. Shut down, will resume ops in daylight for cap plug drill out.

9-28-17 – Initial Completion

Finish RIH, tag kill plug @ 7650'. Test BOP, repair leak. Start drillout kill plug, CP 3000#, WHP 1700#, 4 BPM in / 4.5 BPM out, drill in 16 min, pmp 5 bbl 75 visc sweep. RIH w/ 31 jts to 8650', TBG line came off spool, SD rig, circ 2 btms up to clean wellbore. Wait on mechanic, stand by for rig repairs. Break circ, 4 bbls in, 4.5 out. Cont RIH to next plug. SD and repair leak on swivel (~20 min). Drill plug #1 @ 8822' in 11mins. 4 bbls in, 4 bbls out, 3000# Circ Psi, 1050# Wellhead Psi. Pmp 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #2 @ 8972' in 10 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1300#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #3 @ 9122' in 6 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1300#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #4 @ 9271' in 11 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1200#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #5 @ 9422' in 7 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1300#. Sent 10 bbl 80 visc sweep. Good returns w/ sweep to surface. Circ well while tally tubing. Cont RIH to next plug. Drill plug #6 @ 9574' in 13 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1300#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #7 @ 9722' in 10 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1300#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #8 @ 9878' in 7 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1300#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #9 @ 10,022' in 8 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1350#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #10 @ 10,166' in 8 mins. 4 bbls in, 4 bbls out, 3500# Circ Psi, 1400# Wellhead Psi. Pmp 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #11 @ 10,322' in 7 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1400#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Did not see plug 12. Drill plug #13 @ 10,622' in 5 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1400#. Sent 5 bbl 80 visc sweep. Cont RIH to next plug. Did not see plug 14. Drill plug #15 @ 10,922' in 4 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1400#. Sent 5 bbl 80 visc sweep. Pump 10/10/10 sweep, circ bottoms up. Drill plug #16 @ 11,072' in 5 mins. 4 bbls in, 4 bbls out, CP 3500#, WP1400#. Pump 10/10/10 sweep @ 11,075', circ bottoms up.

9-29-17 – Initial Completion

Drill plug #17 @ jnt 358 3 mins. 4 bbls in, 4 bbls out, 3800# Circ Psi, 1500# Wellhead Psi. Pmp 5 bbl 80 visc sweep. Cont RIH to next plug. Pump bottoms up. Drill plug #18 @ jnt 362 in 3 mins. 4 bbls in, 4 bbls out, 3800# Circ Psi, 1500# Wellhead Psi. Pmp 5 bbl 80 visc sweep. Cont

RIH to next plug. Getting back a lot of sand. Did not see plug #19. Drill plug #20 @ jnt 372 in 3 mins. 4 bbls in, 4 bbls out, 3500# Circ Psi, 1500# Wellhead Psi. Pmp 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #21 @ jnt 376 in 4 mins. 4 bbls in, 4 bbls out, 3500# Circ Psi, 1500# Wellhead Psi. Pmp 5 bbl 80 visc sweep. Cont RIH to next plug. Still getting back lots of sand. Drill plug #22 @ jnt 381 in 3 mins. 4 bbls in, 4 bbls out, 3500# Circ Psi, 1500# Wellhead Psi. Pmp 5 bbl 80 visc sweep. Cont RIH to next plug. Drill plug #23 @ jnt 386 in 11mins. 4 bbls in, 4 bbls out, 3500# Circ Psi, 1500# Wellhead Psi. Pmp 5 bbl 80 visc sweep. Cont RIH to next plug. Swivel started torqueing up and sticking. Tried pulling up and started pulling heavy and could not go down. Pulled up to 155k lbs. Pumped two sweeps very heavy dyed gell, never got sweeps back. Circ psi stayed @ 3800 psi and WH stayed @ 1500 psi. Well never stopped flowing. Continued to circulate and work tbg and wait on N2 transport to arrive. Rig up N2. Both fluid pumps went down. Wait on new pumps, tie in pumps and N2 lines. Start pumping fluid at 3 bpm and 1000 scf N2, work stuck tubing. Lost N2 due to valve/pump issues, circ and work tbg until repairs made. Initially able to rotate pipe, started to torque up and lost rotation. Resume N2 at 800scf, 3 bpm in and 4 bpm out. Continue to work tubing. No movement in tubing, working up to 120k lbs. Appears to be bridged off with lower zone taking fluid and upper flowing. Open casing full choke, flowing 8 bpm @ 700#, pumping 900scf/3 bpm trying to create psi diff while working tubing. Sent sweeps to divert fluid from lower zone to break bridge. Surged casing from 1000# to 600# all while working stuck pipe. Unable to break bridge. Cut water rate to 1 BPM w/ 800scfm, pump foam slugs trying to overcharge/divert lower zone. Casing still flowing 8 bpm @ 700# at report time.

9-30-17 – Initial Completion

Continued to pump N2 at 800 scfm. Decision made to RU to start to pump down Hydro shock balls. Dropped 6k hydro shock ball @ 1.5 bpm with no progress. Drop 7k Hydro shock ball also with no progress. Wait on 10k swivel to allow 10k hydroshock balls to be dropped, as advised by Black Fox / Hydra Shock tool hands. MIRU 10k power swivel. SITP 2000#, SICP 1100#. Drop 7k ball, 1.5 bpm, pump > 100 bbls, never saw ball seat. Break lines loose to assure ball not stuck in tee. Contact Hydra Shock for next step. Hydrashock advised continue to drop balls. Drop second 7k ball, 2 bpm rate, 25 bbls into pump down caught pressure, broke over at 8200#. Saw some action in tubing but did not lose torque in swivel, continue pumping to see if that was first ball finally seating or second. Pump 100+ bbls. Did not see second ball seat. Contact Hydra Shock w/ results.

10-1-17 – Initial Completion

Continued to drop hyrda shock balls. Next ball dropped, 8k ball. Ball hit and sheared @ 10,600 psi. Wait on PUP jnts to install so power swivel can be closer to the floor. Having issues getting balls to flow down tbg when dropped from launcher. Worked tbg while waiting. Changed RU on ball launcher and launched 7k ball to test. Ball hit and sheared @ 8,000 psi. Continue to drop balls. Dropped three 7k balls with a 15 bbl space in between all balls hit and sheared @ 7,800 psi. Worked tbg to check if any progress was made. No progress being made. Continue to drop balls. Dropped three more 7k balls with 15 bbl spacer in between, all hit and sheared @ 7,800 psi. Worked tbg to see if any progersss was made. Was able to pull 3' from last attempt. Continue to drop balls. Dropped a 7k & 8k ball with 15 bbl spacer. 7k hit and sheared @ 7,800 psi. 8k hit and sheared @ 10,900 psi. Worked tbg. No progress being made. Continue to drop balls. Dropped two 6k balls and one 7k ball. 6k balls hit and sheared @ 7,500 psi and the 7k ball hit

and sheared @ 8,400 psi. Continued to drop balls. Dropped three 7k balls with a 15 bbl space in between all balls hit and sheared @ 8,200 psi. Worked tbg to check if any progress was made. No progress being made. Waiting on more 7k balls. 8k balls are nearing the safe operating limits of our equipment. We are using 10k equipment. Work tbg until more 7k balls arrive on location. 7k balls on location, break jt under swivel and LD, PU 10' sub under swivel. Pull 120k, torq swivel to 4k, pumped 3 - 7k balls w/ 15 bbl spacers, balls sheared ~8,200#. Lost 10k w/ all balls gone. Work pipe, was able to get a couple turns into tubing and gained 15" more, moved 53" since ops began. Balls 20-23, set tubing in neutral, drop 2- 7k balls w/ 15 bbl spacer, pump down and set off tool 2x ~8,300#. Increase rate to 4 bpm, work pipe, lost 17", back to pulling 36" over initial position. Balls 24-25, pull 120k, dropped 2- 7k balls w/ 15 bbl spacer, pump down and set off tool 2x ~8400#. Increased rate to 4 bpm, work tbg, gained 6" back, pulling 42" at 120k. Balls 26-27 - Pull 120k, drop 2- 7k balls w/ 15 bbl spacer, pump down and set off tool 2x ~8,300#. Increased rate to 4 bpm, work tbg, no movement, pulling 42" at 120k. Balls 28-29, Pull 130k, drop 2- 7k balls w/ 15 bbl spacer, pump down and set off tool 2x ~8200#. Increased rate to 4 bpm, work tbg, no movement, pulling 42" at 120k. Balls 30-31, pull 120k, drop 1- 7k and 1- 8k ball w/ 15 bbl spacer, pump down and set off tool 1 ~8,300#, shot 2 ~10,500#. Kept rate at 4 bpm, work tbg, made 11", pulling 53" at 120k. Balls 32-33, pull 120k, drop -2 7k balls w/ 15 bbl spacer, pump down and set off tool 2x ~8400#. Kept rate at 4 bpm, work tbg, pulling 56" at 120k. All 35 balls have been dropped, unable to free pipe. LD power swivel, secure well, SDFN. Stand by for wireline and pipe recovery ops.

10-2-17 – Initial Completion

Stand by for wireline and pipe recovery ops. Wait on wireline to show up. Wireline showed up and truck broke down upon arrival. Wait on replacement wireline truck to show up. MIRU new wireline truck. RIH w/ 1.42" mechanical freepoint tool, set down at 8,500', PU and begin pump down @ 1.5 bpm, unable to pump past 8,700', not enough drag on tools. Set tool and check tbg @ 8,685', pipe free at this depth. POOH, PU spring freepoint tool. RIH, unable to get through R nipple @ 5,275' with spring freepoint tool. POOH to put smaller OD springs on tool. RIH again. Still unable to get through R nipple. POOH. Stand by for 1" tools to be brought from Odessa. RIH w 1" spring tools, got through R nipple, start pump down, only got to about 8,450'. POOH to inspect tools. While LD tools the line was kinked, and had to re-head wireline. RIH w/ 1.42" mechanical freepoint tool added 1.5" grooved tool to bottom. Unable to pump down mechanical freepoint tools, wireline jerking and acting erratically, twisted upper spool, surface issues with spooler. Gaining weight while PUH under pressure, release pressure and evened out. Something wrong with pac-off. Decision made to POOH wireline to inspect tools.
POOH wireline at time of report.

10-3-17 – Initial Completion

RDMO Dialog Wireline. Replacing Dialog WL with Yellow Jacket WL Services. Wait on Yellow Jacket wireline to arrive. MIRU wireline. RIH with wireline to run free point. Free fall to KOP. Generator that runs grease head not operating. Repair generator. Start pump down operation. Unable to pump down due to high pressure. 4500 psi @ 2 bpm. Only have 5k lub for WL. POOH w/ WL. Once WL OOH start pumping to establish pump rate. 3.5 bpm @ 6600 psi - 4 bpm @ 8200 psi held steady at that rate. Pumping against motor with bit locked up in sand. Cannot establish low enough rate and pressure to pump WL tool downhole. Decision was made to get 1.25" CTU to RIH & perf tbg to try and establish circulation at low pump rate and

pressure. Wait on CTU. MIRU CTU. PU perf tool, load tubing, start RIH. *Note: Plan is to sand perf through 2 ports on jet cut tool with 100 mesh sand. Will RIH to tag R nipple at 12,095' (current bit depth is 12,151'). Then PU 2-3' and perf 2 holes, try to break circ, record rate and pressure. If no success at this depth, PU every 100' to perf 2 holes to establish circ. Once circ is established, POOH with CT and RD. RU WL and run freepoint to determine stuck depth.*

10-4-17 – Initial Completion

Continue RIH with CTU. POOH with CTU to change perf nozzle. Wrong nozzle was installed by CTU on night crew. RIH with CTU down to 9,963' then started gaining weight. Picked up then ran back thru tight spot. Started gaining weight again and stacked out 10,465'. POOH with CTU to pull more tension on tbg. Out of hole with coil tubing. LD 10' pup jt and PU 6' pup joint. Pull 80k tension on tbg. RIH with CTU back down to depth. Tag up at 12,072' (R nipple above motor assembly at 12,095'), PU to 12,067'. Pump 15 bbl sand slug to perf tubing. SICP 1000 psi, Pump 1.5 bpm @ 7800psi, returns 1.5 bpm @ 0#. Saw no change w/ sand out of tbg. Coil tubing pump went down, stand by for replacement pump. RU replacement pump. Pump 25 bbl slug .5lb/gal sand to assure holes were blasted first time. Pump pressure dropped ~1000 psi, indicating injection into lower zone, no change in csg psi. PUH to 11,967', pump 25 bbl slug, perf tbg, did not lose any pump pressure, no change in csg pressure. PUH to 11,867', pump 25 bbl sand slug, lost ~1000psi pressure, perfs cut, no difference in csg pressure. SD pumps, tubing annulus continue to flow, indicating we perf'd holes in tubing but no communication w/ casing. PUH to 11,767', pump 25 bbl slug, pump pressure went from 8200 psi to 7000 psi, returns increased to surface ~ 1 bpm. Csg psi 1000 psi but seems to indicate communication w/ tubing. PUH 20' to 11,747', pump another 25 bbl slug, cut 2 more holes, pump pressure dropped to 6700 psi, still good returns to surf. PUH another 20' to 11,727', pump 25 bbl sand slug, cut 2 more holes (6 holes between 11,727-767')., pressure dropped to 6300 psi. positive indication that we are above sand bridge and will be able to pump freepoint tools down tbg. POOH w/ CT and sand perf tools.

10-5-17 – Initial Completion

Finish POOH and RDMO CTU. RU to pump down tbg and csg with 11.6 ppg CaCl to kill well. Pump 300 bbls down tbg & 150 bbls down csg. Take off TIW and install 10' pup jnt and TIW. RU 20' bells. MIRU wireline, RIH and run free point. Able to pump down to 11,420' and stacked out, stuck tool @ 11,405'. Pulled tbg to neutral and pump down tbg, freed tool. PUH to 11,389', freepoint tbg, 100% free at 11,389'. Attempt 3 more times to pump tool down in neutral and pulling 15k over, unable to get past 11,420', 4 bpm, 3700 psi. POOH w/ wireline. MIRU CTU. LD 10' sub, set 6' sub in slips w/ 88k on tbg. PU sand cutting tools. RIH w/ cutting tools, got to 11,300' and quit making progress, start FR and trying to work CTU down at report time. Appears to be mostly friction, PUH 500' and circ pipe on pipe around to try and get a better run at it. Worked coil down to 11,770', pumped abrasive and cut tbg at 11,770'. POOH with coil tubing at report time.

10-6-17 – Initial Completion

Continue RIH and cut tbg @ 11,770'. POOH with CTU. RDMO CTU, latch onto tbg and pull up 20' with no restrictions. Pump 10/10/10 sweep with 150 bbls to try and get bottoms up with 10#. Decision was made to stop pumping, open tbg and try and blow tbg down 0 psi, while waiting on 11.6#. Pump 55 bbls 11.6# dwn tubing, csg still dead. POOH w/ tubing. Stuck w/ EOT @

9500'. Work pipe up to 120k, no progress, suspect sand in heel. PU pwr swivel, pump 55 bbls FW dwn csg and work up through tight spot. LD 4 jts w/ swivel, LD swivel. Cont POOH w/ tubing, Stand back 160 jts 2 7/8", change rig tools for 2 3/8" tbg, LD 196 jts 2 3/8" tubing. TOF 11,295', fish left in hole: 25 jts 2 3/8" P110, R nipple, 1 jt, BHA. Change rig tools, PU RIH w/ overshot w/ 2-3/8" grapple, bumper sub, jars, 2 BPV, XO, 10' sub, RN nipple, 1 jt, R nipple, RIH on 2 7/8" workstring.

10-7-17 – Initial Completion

Continue RIH with fishing BHA and 276 jts of 2-7/8" PH6 @ 8,681'. Pick up swivel, continue PU singles & RIH with tbg while rotating and reciprocating tbg. Pumping down back side @ 1.5 bpm to ensure wellbore is clean to top of fish. Wait for reverse operator until 1:30. Continue PU & RIH. Tag solid and started getting torque on swivel @ 9668'. Picked up 20' and started pushing debris down hole to 9718'. Then stacked out solid and torqued up on swivel. Shut down and made conference call. Tie frac pump to casing side, put rev unit on tbg, work tubing in hole pumping 2.5 bpm 1500# on csg, 2.5 bpm 2200# on tubing. RIH to TOF, SD pump on csg w/ ~15 jts to go, open csg to pit. Not seeing anything other than friction. Start pipe on pipe .25 ppg. Tag TOF@ 11,340', (estimated TOF from CT cut was 11,295' after tallying cut pipe OOH. CT counter was off severely) PUH 3', pump 10/10/10 and circ to surface to assure clean casing and TOF. Sweeps back to surface; pulled screen on plug catcher and recovered handful of plug parts and quite a bit of sand. Slack off and latch fish, gained ~600# circ psi, begin bumping down on fish to move through bridge. Moved fish down 10-12'. PU and set off jars. Moved fish, LD jt to get more room to work. Bumped fish down 3 times, getting movement both ways. LD swivel, jar fish ~150' up hole at report time, dragging 25-40pts but moving.

10-8-17 – Initial Completion

Open Csg to 16 choke then continue setting off jars and working tubing up and down. Made 5' moving up hole then stopped. Started working tbg down made 12' then started jarring to come back up hole made 31'. Stopped making footage up or down. Put tbg in neutral weight and pumped 10/10/10 sweep w/ heavy dye followed by pipe on pipe. Got bottoms up on sweep and dye (some plug parts and heavy sand for 20 minutes) started flowing back clean fluid. Picked up swivel and started working tbg while trying to rotate. Started getting rotation and some movement up on tbg. Pumped 10/10/10 sweep while rotating tbg, 2.5 in & 2.5 out @ 2,000 psi on Csg & 2,500 on tbg. Halfway thru sweep gained 600 psi on backside. Started POOH & LD tbg while pumping and rotating swivel. Sweep came back on time. Continue to POOH and LD TBG. POOH & LD 10 jnts. LD swivel and start POOH standing tbg back in the derrick. 12 stands in derrick at tower change. Cont TOH standing back. Stop with end of fish @ 8986'. RU hoses, pump 10/20/10 120 visc sweeps, circ to surface plus another btms up. Saw quite a bit of sand to surf, pull screen, large piece of plug band but otherwise clean. POOH stand back 236 jts 2 7/8" tbg, 111 jts, tools and fish left to pull. RD stripper head and floor, RU snubbing unit. Prep rig and LD machine for snub floor height. POOH, LD workstring at crew change.

10-9-17 – Initial Completion

Finish POOH with snubbing unit and laying down tbg and overshot. Did not have fish when we got to surface. Lay down fishing tools and pull grapple out of overshot. Grapple had wear marks, edges were worn smooth. Top bowl assembly had fish top mark on inside where the cut

2-3/8" tbg had been latched. Positive indication of latched fish was verified by tool hand as well as consultant and PT reps. Decision made to PU a redressed fishing tool assembly and RIH to latch fish. Csg psi @ 1200 psi. Start pumping 11.6# down csg to kill well. RDMO Snubbing unit. Pumped at total of 310 bbls 11.6 kill fluid, well dead. RU pulling unit floor, tongs, slips and elevators, move operators floor back down. P/U Fishing BHA: 4-3/8" Hollow Mill Guide, 4-3/8" Overshot Bowl w/ 2-3/8" Grapple, 2 - 4 3/8" Upper extension, 4-3/8" OS Top Sub, 3-3/4" Bumper Sub, 3-3/4" Hyd Fishing Jar, x-over sub, 10'- 2 7/8" PH6 tbg Sub, Float sub, 1- stand 2 7/8" PH6 Tubing & 2nd Float Sub, cont. RIH w/ 2-7/8" PH6 tubing out of derrick and tally tubing while RIH to 3250'. Installed Stripper Head, load tubing w/ 16 bbls 11.6ppg kill fluid. Cont. RIH & Tally tubing, Clutch Control valve went out on the rig's control panel. Change out clutch valve on control panel. TIH with fishing BHA and tbg.

10-10-17 – Initial Completion

Continue to RIH and tag fish @ 9,600' on jnt 304. Started pumping down tbg to try and get returns. Started getting back returns 4 bpm @ 700 psi. Continue RIH with singles pushing fish while circulating. Tagging @ 11,340' Cont. washing down to 11420' pumping 4.5 bpm w/ 2800 psi. Latched fish, working fish up & down, fish is stuck. Working fish up & down, getting back lots of sand. Cont. working fish up and down, pumping sweeps every 30 min, increased pump rate to 6.5 bpm at 2600 psi. Lots of sand in returns. L/D 5 joints. Cont. working tubing up and down. Pumping 6.5 bpm, 2800 psi, lots of sand in returns. At report time, call in office for orders.

10-11-17 – Initial Completion

Cont. working fish up & down. Start circulating to try and clean up wellbore to POOH and LD tbg, per orders. Change out stripper head rubber, crew change, 5 min safety meeting. As well cleans up while circulating, lay down tbg in singles with swivel. Cont. circ & L/D tubing to pipe L/D. Pump 330 bbls 11.6ppg kill fluid down casing @ 4.3bpm w/ 1100 psi down to 0 psi, R/U pump truck on tubing, and pump 45 bbls 11.6 ppg kill fluid down the tubing, 0 psi on tubing, R/D Pump Truck. Cont. POH & L/D Tubing to pipe racks.