

MGM OIL & GAS

UNIVERSITY 1B 32-1

SEC 32, BLK 1, ULS

8/10/2015 Noticed high tubing PSI, shut down unit. Pulled apart flowline and noticed excessive scale build up. Leave unit off for remainder of day.

8/11/2015 Arrive w/ 4 jts 2 3/8" tubing. Begin pulling old flowline apart and setting on tubing trailer. Make up new flowline to treater and start unit to check for leaks. Test line to 500psi, Good test. Left unit on hand.

8/26/15 Had a faulty water leg, which dumping water in oil tank, discovered problem with heater treater, changed leg out and drained treater & cleaned treater, dljg

9/11/205 Check dump valves on separator after finding oil in water tank. Found dump valves had been tampered with. Readjust dump valves and monitor remainder of the day.

9/29/2015 shot fluid level, reported to Dustin Gragg fluid level. Change Baird valve and psi gauge on WH. Adjust dump valve on separator, monitor separator levels. Replace sight glasses on separator.

11/11/2015 RIH w/ 4.5" overshot and 2" grapple, made connection first try, pulled 40k over and parted, POOH 2 3/8 tubing and inspect fish. 18" fish, repair grapple with 2 3/8 and RIH. Tag part and latch first try, pull 40k, TAC not releasing. RIH with 3/4" rod grapple through overshot. Try to latch for 1.5 hrs. w/ no success. POOH with rods, no fish. Pull 60k on tubing w/ over shot and 2 3/8 grapple SDFD

11/12/2015 Arrive on location and find tubing had shifted, lost weight according to weigh indicator. POOH w/ string weight only. Over shot on surface, split down the side and no grapple in overshot. Call fishing hand in Odessa for dispatch. MU 3 3/4" overshot, 2-3 3/4" x 36" overshot extensions, 3 1/8<sup>th</sup>" bumper sub, 3 1/8<sup>th</sup>" jars, & 3 1/8<sup>th</sup>" accelerator. Cont. RIH w/ 2 3/8<sup>th</sup>" tubing, latch on to fish, work jars for 2hrs. SDFD

11/13/2015 cont. jarring on fish for 3hrs attempt to release overshot, took 2hrs. POOH and LD BHA. Trans-Tex reverse unit and power swivel on LOC. PU 3 7/8<sup>th</sup>" flat bottom mill and run on (4) 3 1/8<sup>th</sup>" DC, RIH w/ mill and tag fish @ 5242'. Pull 2 stands, SDFWE

11/14/2015 SDFWE

11/15/2015 SDFWE

11/16/2015 Run jt, pick up power swivel & break circ. Tag fish @ 5242. Milled 14" off tbg top (1hr), circ clean. Laydown swivel & POOH w/ tbg and DC to derrick. p/u 3 3/4" lead block and 2 stands tbg, run on sand line to tag fish. POOH tbg and lead block. Block showed good circle. p/u 3 3/4" o/shot w/ 2 3/8<sup>th</sup>" grapple and RIH. Shut down for wind 1:30pm

11/17/2015 cont. in hole w/ o/shot, latch on fish @ 5243. p/u 3/4" x 5/8" baby red & RIH to fish. Could not latch onto rod. POOH w/ o/shot and rig up power swivel. Attempt to hold torque and release TAC, no good. RD swivel and RU Rotary WL Company. RIH w/ 1 7/16<sup>th</sup>" ccl + (1) 8' weight bar & tag @ 5243'.

Would not pass, POOH. Pick up 1 7/16<sup>th</sup> chisel & 2 weight bars and RIH, tag tbg top, sticky action, POOH. Attempt manual back off, pick up tbg to 50k. Torque tbg 18 rounds left multiple times, lost 60 rounds left. Work tbg to 60k, no back off. Pull 60k. SI. SDFD

11/18/2015 Torque string back to the right, try to release o/shot pulled 30k over with no success. Pulled 35k over, no good. Called Rotary WL (Hobbs). Continue to work o/shot until Rotary arrives on LOC. Consult w/ Rotary operator, worked pipe for additional 1.5hrs. Sat all sting weight on o/shot and torque right, o/shot released. POOH. SDFD

11/19/2015 RIH with tubing and rods. LD rods in singles. LD most tubing on seals. SDFD

11/20/2015 LD remaining tubing on seals. Left one joint hanging to make up WH. RDMO Reliable Well Service rig.

1/4/2016 Rig arrives on LOC and rig up. SDFD

1/5/2016 PU Baker Hughes wash over shoe, 4jnt wash pipe, intensifier, and jars. RIH with 157jnt 2 3/8 tubing. Tag @ 5,269' wash down to 5,274' with more progress. POOH SDFD

1/6/2016 Continue POOH with BHA. Stand all pipe to derrick. Change out wash over shoe. Drop rabbit down first stand of wash pipe. Rabbit does not pass. Lay out stand of wash pipe and find pieces of grapple and control ring stuck in wash pipe. Use old tubing to hammer out parts from WP. Run magnet with one stand of 2 3/8" tubing to top of fish on sand line (35 min round trip) nothing on magnet. Pick up WP and run assembly back in to top of fish. Begin circulation. One bottoms up, no solids. Begin RIH until top of fish bottoms out in all wash pipe. POOH till dark. SDFD

1/7/2016 Continue to POOH w/ tubing and inspect. Lay down wash pipe and wash over shoe. P/U outside cutter, wash pipe, & 2 3/8 tubing. RIH to engage Cutter. 1350 lbs. torque. Cut fish and pull to surface slowly. Recover 110.54' of tubing lay out damaged tubing, wash pipe and cutter. P/U over shot and mouse trap for 3/4" rods. RIH on tubing engage rods and begin to work. Pump stuck. Pull 55k and SDFD

1/8/2016 work rods, pump unseats but dragging for 350'. Clear obstruction and POOH with rods and pump. Rods on surface, clear floor and prep to POOH with rods. POOH w/ rods and pump to surface SDFD

1/11/2016 RIH with 2 3/8" guide and grapple. Engage grapple and work pipe. Still stuck. Work for two hours, TAC seems to be dragging. Called for Renegade (Snyder). Cont. to work tubing, tubing parts at slips and falls 22'. Baker calls for second overshot (Midland). Renegade rigs up and overshot arrives. P/U overshot and engage fish at 22' pull to surface and set tubing in slips. Disengage overshot on surface. RIH w/ 1 7/8" WL chisel. Find obstruction in tubing. SDFD

1/12/2016 Cont. several trips in tubing to clear obstruction. Order 1" tools from Andrews Yard (renegade). Rig up "string shot" on 1" rope socket. RIH and clear obstruction RIH to 8662', misfire, WL truck Spool breaks at 45' in well. POOH tools by hand, Renegade will fix truck overnight. SDFD

1/13/2016 Renegade RIH with string shot to 8662', shots fired. WL POOH and rig up CCL to confirm back off. Back off confirmed at 8662' (collar) WL POOH and rig down/ released. Rig POOH with fish to surface

laying out in singles. Recover 103 jts. Housekeeping and prep to receive rental tubing (N-80 10,120')  
SDFD

1/14/2016 Receive 2 3/8 tubing, rack, and tally. P/U wash over assembly. RIH to fish @ 8662'. Mill to top of TAC @ 8683'. Lost returns POOH, SDFD

1/15/2016 Cont. POOH with tubing and wash over assembly and L/D to racks. P/U 2 3/8" Screw in assembly and jars. RIH to top of fish, screw in and pull test connection, good. Jar with one hit, fish pulled free. POOH with several hang ups, jar when needed. SDFD

1/18/2016 Cont. POOH with assembly, jars and fish. All tubing recovered. P/U bailer assembly. RIH clean out from 9900' to 9984' POOH 14 stands. SDFD

1/19/2016 cont. POOH w/ Bailer assembly, 3 joints of solids recovered. P/U Service packer and RIH to 8800'. Set packer. Load annulus, 65 bbl. Inject into casing leak 1.9 BPM @ 500psig. Continue RIH to 9648'. Meet w/ rod salesman to discuss rod design and replacement. SDFD

1/20/2016 Acidize Strawn from 9828' – 9834' w/ 750 gal NeFe 15% HCL and Cisco from 8860' – 8855' w/ 750 gal NeFe 15% HCL. POOH L/D tubing. Set packer @ 6377' inject at 1.3 BPM at 450 psig. POOH to 6185' cannot set packer. POOH to 4684' test injection. 500 psi and no injection. RIH to 5200' cannot set packer. Close BOP to wash trash off packer, pump 55 bbl. Still cannot set packer. POOH, L/D tubing to racks. Release rental string of 2 3/8 N80 tubing. SDFD

1/21/2016 Move rental string from racks and receive production string. Tally on racks  
P/U and RIH w/:

- 271 jts 2 3/8" tbg
- 1 – TAC
- 36 jts 2 3/8" tbg
- 1 – 2"x 1.10 SN
- 1 – 4' – 2 3/8" PS
- 1 – 2 3/8" MA W/ 2 3/8" BP
- SN @ 9870'
- TAC @ 8769'
- EOT @ 9905'

1/22/2016 P/U Pump and RIH as follows

- 112 – 7/8" rods
- 273 – 3/4" rods
- 10 – 7/8" rods
- 1 – 2"x1 1/4"x16' BHP w/ 6' gas anchor

Seat pump w/ "light tag". Load and test pump to 500psig, good. Stroke pumping unit up to 500psig, 9 strokes. Rig down 3<sup>rd</sup> party equipment and release. Left unit on "Hand" and called pumper to inform.

5/24/2016 MIRU Reliable Well Services. Blow down well to pit while prepping floor. POOH rods to break on #216. P/U "baby red" rod fishing tool and RIH to top of fish, latch fish and pull 15k over to unseat

pump. POOH pump to surface and inspect. Lots of iron on outside of pump and plugged gas anchor. Send pump into B-P Pump and Supply for R&R overnight.

5/25/2016 P/U pump w/ new gas anchor and RIH as per previous rod design. Replaced part w/ 5 new rods. Two above part, parted rod, and two below part. Hang on pumping unit. Load and test to 500 psi with unit, good test. Left unit on hand, hand over to production.

6/1/2016 MIRU Reliable Well Services PU. ND well head. POOH rods to #96 of  $\frac{3}{4}$ ", body break. MU "baby red fishing tool, RIH and catch fish. Unseat pump and POOH to fishing tool. Replace parted rod, RIH seat pump with light tag. Load and test to 500#, good test. NU WH. RDMO Pulling unit. Left well on hand. Electricity down due to storms previous evening.

Report continues next page

7/29/2016 Found pumping unit running w/o fluid to surface. Shot fluid level w/ Model H Echometer found fluid @ 4937'. Call Reliable Well Services. Waiting for service rig

8/10/2016 MIRU Reliable Well Services PU. ND well head. POOH 7/8" &  $\frac{3}{4}$ " rods to derrick and Body break on #127  $\frac{3}{4}$ " rod. RIH w/ "baby red" fishing tool latched on to fish, unseat pump. Secure well SDFD

8/11/2016 POOH w/ pump. Wait for replacement pump and Kbars. PU pump and kbars, RIH and seat pump, space out. Secure well SDFD

8/12/2016 Hang well on pumping unit, Load and test to 500#, good test. RDMO Reliable

#### New Rod Design

- o 1 – 4' pony rod
- o 121– 7/8" rods
- o 265 –  $\frac{3}{4}$ " rods
- o 8 – 1.5" Sinker Bars
- o 1 – 2"x1  $\frac{1}{4}$ "x16' BHP w/ 6' gas anchor

8/16/2016 Found well down due to electricity called K B Electrical. Found Oncur "Step Down" station shut down for upgrades

9/9/16 Found well down due to electricity. Pole hit by lightning on MGM "aerial" line through pasture.

9/13/16 Storm/wind damage to electric line on location. Called K B Electric

9/21/16 Found well down due to electricity. Unknown where issue is. Called K B Electric. K B arrived early afternoon and traced problem to Oncor. Multiple leases down in the area.

9/22/16 Found electricity restored. Unit on hand umping as usual.

11/2/2016 Meet Mckinney services pump truck and test tubing for suspected tubing leak. Pressure up to 500# immediate fall off. Contact Reliable Well services to reserve Pulling Unit

11/9/2016 MIRU Reliable Well Services PU. ND WH. Secure well. SDFD

11/10/2016 Unseat pump and POOH all rods and pump. Send pump to BP (Andrews) or R&R. Unseat TAC, RU BOP, POOH inspecting tubing for holes. No holes found. SDFD

11/12/2016 RU tubing testers. Test tubing in hole, 3 failures and one hole found, cont. RIH testing. Set TAC, RD BOP. RIH pump and rods per previous design. Hang on unit. SDFD

11/13/2016 load and test to 500#. Good test unit built 500# in 8 stokes. Clean up around WH. RDMO Reliable unit, Hand well over to production SDFD

11/23/16 Removed Fencing around well head & rigged up rig, took head off, took stuffy box & polish rod off, Rigged up floor & tongs. TOOH to Fish. TIH w/baby red tool & Rods/latched on to fish, unseated pump carefully. TOOH to fish layed it down. Waited on new rod to show up & Waited & Waite. Once new rod arrived TIH W/ rods get on bottom hay well. Waited on Truck Loaded & tested well. Lay stroked well to 500 #s, all good. Rigged down. DRCO—7 hrs.

1/18/2017 RU , Bled tubing down, unhung well, Rigged up Floor & Tongs. TOOH W/Rods till Break. TIHO W/ rods & Fishing tool. Latched on to Fish, Pulled & Unseated pump. TOOH W/all Rod & Pump. Changed over to tubing tools. Unplugged well. After bleeding casing, tried to release TAC. Nipple up BOP. Rigged up Floors & tongs. Tried to release TAC W/ Tongs. Shut down rig--8 hrs.

1/19/17 Open up well. TOOH w/tubing. Tally pipe on the way out. Got to bad pipe in string. String down to bad pipe 81 total bad joints. Out of hole on standby waiting for work string pipe. Once pipe arrived, TIH/ w / tubing & Scraper, Took protaton off, Scraper SDFD—14 hrs.

1/20/17 Opened up well, continued picking up pipe, 225 total joints in hole. TOOH w/tubing started TIH w/ tubing RBP & Packer. Shut down due to high winds. SDFD—9 hrs.

1/21/17 Open up well. Finished TIH W/RBP & Packer. Set RBP @ 7010'. Came out of hole looking for leak top of leak @ 4882', Started back Down looking for Bottom of hole. Shut down due to wind. SDFD—8 hrs.

1/23/17 Continued looking for the hole, once located, Got Injection Rate, .7 BBls @ 700 #s went back down & dropped sad down tubing w/water trickling. TOOH W/ Tubing & Packer. TIH W/ tubing & Cement Retainer. Circulated 20 BBls. Set Retainer, Rigged Cement Crew, Cement crew pumped cement, pulled up on tubing. TOOH W/ 15 Joints on ground. Rigged down cement crew & equipment. SHFD—13 hrs.

1/24/17 Open up well, Layed down 20 more joints, Stored back the rest. Got out of the Hole TIH W/ Drill collars, Bit & Tubing. Tagged Retainer, picked up Swivel and Stripper, drilled put Retainer & Circulated Chem. SDFD—13 hrs.

1/25/17 Continued drilling cement, all day. Replaced rubber Stripper twice. SDFD—13 hrs.

1/26/17 Continued Drilling through cement, layed down Swivel. TIH/ from derrick tagged. Layed down 1 jt, pulled up swivel & washed over RBP. TIH Cleaned pulled up & shut well in, SDFD—12 hrs.

1/27/17 Waited on Brine Water to show up. Once here circulated the hole clean. TOOH/W rental string layed down pipe. TIH W/tubing. Got on Top of RBP, washed on top, couldn't latch on. Once latched on worked it till we got it loose. Pulled 1 stand out weather got worse. Shut well in, SDFD—11 hrs.

1/30/17 Opened up well, started TOOH w/ tubing & RBP. Tubing full of water, rigged up, Swab & Swabbed tubing dry, finished TOOH. TIH w/production string from Derrick & picked up 82 jts from ground. Rigged down floor & BOP, Set TAC, filled well head, rig up floor & tongs. Picked up pump, load & tested. TIHW/O pump & rods. Hay well. SDFD—14 hrs.

1/31/17 Pump truck had mechanical problems. Once fixed loaded & tested well, all good. Rigged down by cleaned location. SDFD—5 hrs.

3/7/17 Road Rig, Rigged up services unit, spot rig—4 hrs.

3/8/17 Bleed well pressure. Remove horse head then prepare tools for pulling rods. Pulled rods and prepared Swabbing bar. Swabbed the rest of the day. Shut down rig, fluid level was 1500' from surface—12 hrs.

3/9/17 Bleed down well, prepared for Swabbing the rest of the day. Shut in well, Fluid level at the beginning of day was 1000' feet from surface and shut down with fluid level 1500' from surface—4 hrs.

3/10/17 Bleed down well, prepare tool for swabbing. Did 11 runs and changed rubbers. Swabbing rest of the day. Shut in Well. Fluid level at 1000' from surface—10 hrs.

3/13/17 Bleed down well, swabbed 2 runs, prepare tools for rods, Laydown rods, layed down, 386 rigged down floor. Took off flange, nipple up B.O.P., on set T.A.C. prepared board racks for tubing. Tied back. Layed down tubing 60 joints. Got ready for tomorrow and untied back. Shut in well. Road time—14.5 hrs.

3/14/17 Release pressure, lay down 300 joints, remove floor, me pull down B.O.P., Place on flinch, rig down, Rig move to the yard—9 hrs.

