

9/6/2016

MIRU. POOH w/ 89 3/4" rods, 6- 1.5" sinker bars, and pump

Press test BOPE on stump. Blind-250# Low 5min/2100#High 10min- Good. Pipes-250# Low 5min/2100#High 10mins- Good. Hydril-250# Low 5min/1200# High 10mins- Good.

Install BPV 4-3/4" turns in tbg hanger and ND WH flange. NU 5k BOPE, function test. Press test flange to 250psi low/ 2100psi high- Test good.

Remove BPV 4-3/4 turns to remove, pull hanger. TOH std back 74 jts 2 7/8" L80. No corrosion or scale observed on pipe. SWFN

9/7/2016

MIRU Cutter wire line. RU Lub, press test to 500psi for 5 mins- Test good. Open BOP, RIH w/ 6" Gauge ring junk basket to 800'. POOH PU 7" CBP & RIH, set @ 750'

Load csg w 29bbls of FW. Tried to press test csg to 500psi- 100psi press drop in 1min. Tried, could not get a test. Press up well, disconnect & cap all connections- Loaded surface csg w 5bbls, dumped 14' of sand on RBP. Could not get good test. Called for packer and plug.

RIH w/ packer and test CBP- 100psi loss in 1 min

POOH and pick up RBP- RIH and set RBP @ 728'

TOH and PU packer RIH and test from 662' to RBP- Test good Tried to test up but test failed. Pulled up hole and tested in various locations- each time our leak profile became less unit we everything started testing good. Released packer and tested well from RBP to surface- Test good

TOH, test WH again w 1jt in- Test good. LD packer . TIH and retrieve RBP @ 728' . Tested csg again, press loss of 100psi/min. TOH LD RBP Dumped 30' more sand on top of plug- 45' total sand above plug- top of sand 705'. SWFN

9/8/2016

Press test csg to 500psi- 200psi- bleed off in 3 mins. RIH w packer and tag top of sand @ 728' Set packer @ 723' and test up csg test good, test down 100psi leak off in 1 min. Wash sand off plug and test from 745' up- Test good. Plug leaking. Talked w engineer decision was made to set RBP and dump sand on top. (No 7" CBP available in the Basin) RIH w/ RBP and set @ 725' dump 14' of sand on top- Top of sand 711'. Tested csg and got good test.

RU Wireline, RIH. Shot 4 shots @ 650'. Tried to get injection or circ. Couldn't circulate, bleed off rate of 200psi in 1 min.

Talked to Mark Weems w COGCC about plan forward. He did not have a CBL for the well and until we had a good CBL he was not willing to shot anymore holes. Talked w production engineering to find CBL. After review CBL w Mark he was comfortable perf csg @ 520' and trying to get cmt to surface.

PU TIH w/ 2 7/8" L80 work string to 687'

Spot 5bbls of 15.8ppg cmt w/ dispersant, water loss, and 2% CaCL from 687' to 555'. Pull out of hole to 570' and reverse out cmt. POOH out of hole start squeezing cmt. Squeezed .9bbls behind csg until locked. Left well w 400ps on it. SWFN

9/9/2016

RU Cutter WL. RIH and correlate off log. Shot holes @ 520' 4 shots/ft .42 dia 90 phasing. POOH RD WL

Est circ @ 2.5bpm @ 200psi. Increased rate to 4bpm @ 400psi to clean hole. Pumped 50bbls until returns clean.

press tested to 500psi for 5mins- Min leak off

Circ cmt as follows:

5bbls FW ahead. Lead 15bbls- 15.8ppg blended slurry (Type G w/ HALAD 567 & CFR3). Tail 10bbls Neat G w/ 2%CC. Displace w 16.5bbls.

Full circ throughout job and 5bbls of good cmt to surface. TOC- +-420'

Closed surface csg vlv and squeezed cmt @ 500psi. Only got .2bbls to move until lock up. Shut in well w 500psi. SWFN

9/14/2016

Well press: SICP 40psi, surface 0psi. Bled off initial press, opened up well. P/U & RIH w/ four 4-3/4" collars and 6-1/4" bit. Tag TOC @387'.

R/U power swivel, break circ w/ fresh water-drill out top cement plug from 387' to 540'. Top 50ft was soft cement.

Press test csg to 500psi for 30min - no visible leak off.

Continue RIH, tag TOC @585'. Drilled out to 710'. Washed out sand & tag RBP @725'. Circulated clean.

press tested to 500psi - slight leak off by gauge measurement, suspect air in system from circulating.

R/D power swivel, pull tbg to 695'. SWIFN.

9/15/2016

Check well press: SITP 0psi, SICP 0psi, Surface 0psi. Opened up well. R/U chart recorder, pressd 7" csg to 500psi - chart showed slight leak off. Found small drip on hammer union at surface. Re-tested and recorded chart, showed 10psi leak off in 30min. Sent image to Mark Weems COGCC - authorized the press test. R/D chart recorder.

POOH w/ bit. P/U & RIH w/ retrieving tool. Engage RBP and release plug. POOH and lay down plug.

RIH w/ 6-1/4" bit and four 4-3/4' collars. Tag CBP @750'.

Break circ w/ air foam unit using 1gal/20gal water corrosion inhibitor and oxygen scavenger, 3gal/20 foamer. Drilled out CBP and chased remnants to PBSD @ 2469'. Circulated clean, shut down air unit.

POOH laying down 2-7/8' workstring, collars. SWIFN.

9/16/2016

RIH w/ 74jts 2-7/8" production tubing (re-run J55). Install new hanger w/ BPV & land tubing. EOT 2431', PSN @2411'.

R/D floor, N/D BOP's, N/U WH. press test to 1500psi for 15min - good. Remove BPV as per SOP.

RIH w/ new rod pump 2-1/2"x2"x18' RWAC-Z 4' SM PA on existing 3/4" rod string. Seat pump, space out, load and test tubing to 500psi - good. Function test pump - pressd up to 400psi and held.

RDMO.