

July 24, 2019. 1 P.M. T&M charges on this project do to discovering the 4.5" CSG has a leak. @ 1 P.M rig & wireline all became Time & material do to none of this was covered in the bid sent into the state for the project. Mike Hickey (Sate of Colrado COGCC Rep on location to approve all T&M changes to the scope of work). Spent extra time pressure testing CSG. Extra water was used. Extra wireline time.

Wireline set 1 CIBP, 1 CICR & shot a 4' perf gun.

July 25, 2019.

Safety meeting & JSA. TIH with 74 JTS plus 20' of subs. To sting into CICR @ 2400' (set last night). Bring on pump to get a better injection rate then yesterday. 2 BPM @ 200 PSI. Then we mix & pump 32 SKS Class G cement, mixed 5 gallon per SK for 15.8 LB cement, Yield 1.15. Displace with 7.88, sting out & let last 7 SKS fall on top CICR. Note: We pumped 25 SKS threw new squeeze holes shot yesterday below the CICR. & left 7 SKS on top CICR. Note: we caught returns up the CSG 4 BBLS into the cement job. Est. TOC @ 2308'. TOH laying down 31 JTS pulling EOT up to 1386.88' (that's 43 JTS in well). Reverse out with 10 BBLS fresh water. Then we mix & pump 10 SKS class G cement, mixed 5 gallon per SK for 15.8 LB cement. Yield 1.15. Displace with 4.85 BBLS fresh water. TOH laying down 3 JTS. & standing 40 JTS in derrick. = 1289'. W.O.C 4 hours. TIH with 43 JTS 7 no tag. Talk to Mike Hickey he wants to pull EOT to 1308' (41 JTS in well) & pump cement. Reverse out @ 1386.88'. with 7 BBLS no sign of cement. Note: Hole around DV tool took cement. TOH laying 2 JTS down putting EOT @ 1308'. Bring on cement pump with 5 BBL lead, then mix & pump 5 SKS (65' balanced plug) Class G cement, Mixed 5 gallon per SK for 15.8 LB cement. Yield 1.15. Est. TOC @ 1243'. Displace with 4.8 BBLS fresh water. TOH standing 20 stands in derrick & laying down 1 jt. SWIFN. Will tag cement in A.M Shut down 3:30 P.M. Travel to rooms.

July 26, 2019.

Safety meeting & JSA. SICP: 0 PSI. SIBH: 0 PSI. Bring on pump to fill hole with 4 BBLS fresh water. Pressure test CSG to 300 PSI. small leak off. Lost 200 PSI in 20 minutes. RUWL, WL RIH with CBL. Run 2nd CBL. CBL show's pulling CSG is possible. Lay down CBL & notice gas migration bubbles in the production CSG. Talk with Mike Hickey & he wants to set CIBP @ 1300' & dump bail 2 SKS cement on top. RU 4.5" CIBP. WL, RIH & sets @ 1300'. POH, RIH & dump bail 2 SKS cement Class G on top CIBP @ 1300'. POH, Pressure test CSG to 300 PSI. Held solid 15 minutes. WL, RIH to 1086' & does a dyno blast CSG collar splitter @ 1086'. Part CSG. POH, RDWL. Back on Bid.