



Activity - Chronology by Job

Well Name: NPR H15 22C-15-596

API/UWI 05045210890000	Related POD POD 2	State CO	County Garfield	Permit Number
Original Spud Date 9/5/2018 11:00	Total Depth (ftKB) 9,428.0	PBTD (All) (ftKB) Original Hole - 9,367.0	Original KB Elevation (ft) 6,453.00	Ground Elevation (ft) 6,429.00

Plug & Abandon

Job Category Abandonment	Primary Job Type Plug & Abandon	Secondary Job Type Permanent	Start Date 8/18/2022 00:00	End Date
AFE Number 04-22-2196	Total AFE Amount (Cost) 80,845	Total Field Estimate (Cost) 98,518	AFE - Field Est (Cost) -17,673	

Summary
This well was drilled in 2018 and never completed. Top of cement is 3100 ft. short of COA, so per COGCC well must either be remdiated or P&A'd. With no economic plans for completion or remediation, it is recommended to plug this well. Geology and reservoir have reviewed this well and there is no uphole potential or negative reserves impact.

Daily Operations

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary
1	9/23/2022	9/24/2022	3,174	3,174	<p>9/23/22 NPR H15 22C-15 596 AFE #04-22-2196 (P&A) Day #1 Daily Cost: \$1,651.00 -RigUp: \$1,651.00 -Elder \$1,500.00 Cumulative Cost: \$3,151.00</p> <p>Safety meeting, JSA Caerus (1), Duco (6), Elder (1) Discuss rig move from E06 to H15 pad. - Rig move & equipment move from E06 pad to H15 pad. - Check pressures 4 1/2 csg 110 psi,, Bleed off less than 30 seconds, BH 0 psi. Move K-rails, level ground, Spot base beam and rig, R/U Duco #7, Spot work string trailer & frac, rig tank & roll top tank. - M/U 10' slotted sub, TIH w/2-3/8 4.7# L80 work string. to jt 289 add 14' subs EOT= 9366'. Stab TIW and night cap. close and lock pipe rams, close BH. SDFN.</p>
2	9/24/2022	9/25/2022	1,674	4,848	<p>9/24/22 NPR H15 22C-15 596 AFE #04-22-2196 (P&A) Day #2 Daily Cost: \$1,651.00 -RigUp: \$1,651.00 Cumulative Cost: \$4,802.00</p> <p>Safety meeting, JSA Caerus (1), Duco (6), - Check pressures, tbq 25 psi, csg 78 psi, BH 0 psi.. Circulate gas out down tbq & up csg 120 bbl's FW. - Pressure test 4-1/2 production csg to 350 psi for 15 min. PASS solid test no leak off.. - Plug #1 Mix & pump 23 sks = 4.71 slurry = 303' plug, Class G cement , 1.15 yield, 15.8#, E-TOC 9063' Displace 35 bbl's FW. - L/D 14' sub's & 101 jt's 188 jt's in, EOT 6083' Stand back 94 stands in derrick. - MIRU RMWS. M/U CCL, Wt bar, 3-1/8 gun, .43 EH, 19 gram charge, 21" penetration, RIH to 6070' Correlate to SLB CBL Log, Shoot 4 hole. POOH R/D RMWS. - M/U 10' slotted sub, TIH 189 jt's 6116 add 4; sub EOT 6120' - M/U 10' slotted sub, TIH 189 jt's 6116 add 4; sub EOT 6120' - Fill csg w/ 7.25 bbl's Shut in csg pump 1 bbl and pressure out @ 1000 psi bleed off to 500 psi solid. 2 times with same results. - Call and leave messages to Carlos Torres and Cory De Paolo COGCC Wait for response. Carlos talked with COGCC state engineer and will pump 306' internal plug leaving 400 psi on it till tomorrow morning, Tag and perforate 40' above tag and get injection test. - Plug #2 Mix & pump 24 sks = 4.9 slurry = 316' internal plug in 4-1/2 csg w/Class G cement , 1.15 yield, 15.8# per gal, E-TOC 5804' Displace 22.46 bbl's FW.- L/D 4" sub & 11 jt's stand back 10 stands in derrick leaving 158 ITH EOT 5112' . Reverse out w/ 30 bbl's FW, SI tbq apply 410 psi on csg. SI csg, Night cap tbq , csg and BH. SDFN.</p>



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Daily Operations

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3	9/25/2022	9/26/2022	1,674	6,522	<p>9/25/22 NPR H15 22C-15 596 AFE #04-22-2196 (P&A) Day #3 Daily Cost: \$1,651.00 -RigUp: \$1,651.00 Cumulative Cost: \$6,453.00</p> <p>Safety meeting, JSA Caerus (1), Duco (6), - Check pressures, tbq 250 psi, csg 300 psi, bleed both off <30 sec to rig tank, BH 0 psi.. TIH w/10' slotted sub and work string, tag plug on jt 181 18' in. TOC 5842' lost 38'. squeezed 0.59 bbl's in annulus= 10.78' plug & 278' plug in 4-1/2 csg.- L/D1 jt EOT 5824' stanback 91 stands in derrick. - MIRU RMWS. M/U CCL, Wt bar, 3-1/8 gun, .43 EH, 19 gram charge, 21" penetration, RIH tag TOC @ 5842' Correlate to SLB CBL Log, Shoot 4 hole @ 5802'. POOH R/D RMWS. - TIH w/10' slotted sub and work string to jt 180 EOT=5824' add 18' subs 5842' - Top off 4-1/2 csg w/1 bbl's SI csg bring pump on line for injection test. pump 0.8 bbl's pressure out @ 1000 psi leaks off to 750 in 10 min, pressure back to 1000 psi leak off 25 psi in 10 min. - Drive to phone service, Drive to phone service, Call Carlos Torres discuss next plan. going to pump 40 sks w/2% calcium= 527' internal plug in 4-1/2 add 400 psi while waiting cement to set up then tag TOC - Plug #3 Mix & pump 40 sks = 8.18 slurry = 527" internal plug in 4-1/2 csg w/Class G cement , 1.15 yield, 15.8# per gal, E-TOC 5315' Displace 20.50 bbl's FW.- L/D subs and 17 jt's, reverse out w/25 bbl's FW. Stand 10 stands in derrick EOT 4628' - Wait for cement to set up. apply 400 psi on csg till tomorrow morning., Close and lock pipe rams, Night cap tbq, csg & BH. SDFN - Well Shut In & Secure</p>
4	9/26/2022	9/27/2022	1,674	8,196	<p>9/26/22 NPR H15 22C-15 596 AFE #04-22-2196 (P&A) Day #4 Daily Cost: \$1,651.00 -RigUp: \$1,651.00 Cumulative Cost: \$8,104.00</p> <p>Safety meeting, JSA Caerus (1), Duco (6), - Check pressures, tbq 200 psi, csg 200 psi, bleed both off <20 sec to rig tank, BH 0 psi.. TIH w/10' slotted sub and work string, tag plug on jt 165 9' in. TOC 5315' 527' plug in 4-1/2 csg. - Check pressures, tbq 200 psi, csg 200 psi, bleed both off <20 sec to rig tank, BH 0 psi.. TIH w/10' slotted sub and work string, tag plug on jt 165 9' in. TOC 5315' 527' plug in 4-1/2 csg. - MIRU RMWS. M/U CCL, Wt bar, 3-1/8 gun, .43 EH, 19 gram charge, 21" penetration, Correlate to SLB CBL Log, Shoot 4 hole @ 4085'. POOH R/D RMWS.. - TIH w/10' slotted sub and work string to jt 127 EOT= 4116' add 20' subs P/U 1' = 4135' - Top off 4-1/2 csg w/4 bbl's SI csg bring pump on line for injection test. pump 2.0 bbl's pressure @ 1100 psi pump 30 bbl's total S/D pump leaks off to 625 in 10 min, leak off 600 psi in 10 min., Bleed off and get 5.6 bbls back. - Drive to phone service, Call Carlos Torres discuss next plan. going to pump 40 sks w/3% calcium= 524' internal plug in 4-1/2 then squeeze cement to 200' from 3611' to 3935' tag TOC in the morning. - Plug #4 Mix & pump 40 sks = 8.18 slurry w/3% Calcium = 524" internal plug in 4-1/2 csg w/Class G cement , 1.15 yield, 15.8# per gal, E-TOC 3611' Displace 13.92 bbl's FW.- L/D 20' of subs, Stand 20 stands in derrick EOT 2822' - Reverse out 16 bbl's SI csg, Squeeze cement from 3611' pumping slowly at 0 psi pumped 2+ bbl's pressure start climbing slowly to 1000 psi. S/D pump have light leak off to 900 psi. Bring pump on line locks up @ 1500 psi, bleed back to 1000 psi SI csg & tbq. Night cap tbq, csg and BH. SDFN - Well Shut In & secure.</p>



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Daily Operations

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5	9/27/2022	9/28/2022	1,674	9,870	<p>9/27/22 NPR H15 22C-15 596 AFE #04-22-2196 (P&A) Day #5 Daily Cost: \$1,651.00 -RigUp: \$1,651.00 Cumulative Cost: \$9,755.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3) - Check pressures, tbg 410 psi, csg 410 psi, bleed both off <30 sec to rig tank, BH 0 psi.. TIH w/10' slotted sub and work string, tag plug on jt 115 7' out. TOC 3734' 401' 6.26 bbl plug in 4-1/2 csg and 35' plug in annulus 1.92 bbl's. - L/D 16 jt's EOT= 3629' Stand back 56 stands.in derrick. - MIRU RMWS. M/U CCL, Wt bar, 3-1/8 gun, .43 EH, 19 gram charge, 21" penetration, Correlate to SLB CBL Log, Shoot 4 hole @ 3582' (Collar @ 3579'). POOH R/D RMWS. - TIH w/10' slotted sub and work string to jt 112 EOT= 3629' - Top off 4-1/2 csg w/05 bbl's SI csg bring pump on line for injection test,. pump 2 bbl's pressure @ 1150 psi @ 1bpm pump 10 bbl's total S/D pump leaks off to 900 in 5 min, leak off 850 psi in 10 min., 700 in 1 hr. Bleed off to 0 psi. - Drive to phone service, Call Carlos Torres discuss next plan. going to pump 60 sks w/3% calcium= 786' internal plug in 4-1/2 then squeeze cement to 250' from 3629' to 3379' tag TOC in the morning. - Plug #5 Mix & pump 60 sks = 12.28 slurry w/3% Calcium = 786" internal plug in 4-1/2 csg w/Class G cement , 1.15 yield, 15.8# per gal, E-TOC 2842' Displace 11 bbl's FW. - Stand 32 stans in derrick add 10' sub close pipe rams & lock.EOT 1580' 48 jt's ITH - Reverse out 16 bbl's SI csg, Squeeze cement from 2842' pumping slowly at 0 psi pumped 0.5 bbl's pressure start climbing slowly to 1000 psi. S/D pump have light leak off to 900 psi, Bring pump on line locks up @ 1600 psi, bleed back to 1000 psi (pumped 2 bbl's total) SI csg & tbg. Night cap tbg, csg and BH. SDFN , Well Shut In & secure.</p>
6	9/28/2022	9/29/2022	1,674	11,544	<p>9/28/22 NPR H15 22C-15 596 AFE #04-22-2196 (P&A) Day #6 Daily Cost: \$1,651.00 -RigUp: \$1,651.00 Cumulative Cost: \$11,406.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3), discuss days tasks and hazards.- Check pressures, tbg 500 psi, csg 500 psi, bleed both off <25 sec to rig tank, BH 0 psi, Spot cement pod, un-lock and open pipe rams. - L/D 10' sub,TIH w/10' slotted sub and work string, tag plug on jt 88 14' out. TOC 2841' 786' 12.28 bbl plug in 4-1/2 csg. - L/D 36 jt's EOT= 2473' Stand back 38 stands. (76 jt's) in derrick. - MIRU RMWS. M/U CCL, Wt bar, 3-1/8 gun, .43 EH, 19 gram charge, 21" penetration, Correlate to SLB CBL Log, Shoot 4 hole @ 2424' POOH R/D RMWS. -TIH w/10' slotted sub and work string to jt 76 EOT= 2473' - Top off 4-1/2 csg w/2 bbl's pump 10 bbl's total SI csg bring pump on line for injection test,. pump 10 bbl's pressure @ 700 psi @ 2 bpm pump 10 bbl's total S/D pump leaks off to 200 in 5 min, leak off 150 psi in 10 min., Bring pump on line pump 20 bbl's @ 950 psi @ 3 bpm, pressure drops to 800 psi during 20 bb's pumped, S/D pump, leaked off 250 psi in 5 min, 225 psi in 10 min. going to pump surface job. - Plug #6 Mix & pump 59 sks = 12.08 slurry w/3% Calcium = 773" internal plug in 4-1/2 csg w/Class G cement , 1.15 yield, 15.8# per gal, E-TOC 1699' Displace 6.57 bbl's FW. - Stand 20 stans in derrick add 10' sub close pipe rams EOT 1186' 36 jt's ITH - Reverse out 9 bbl's SI csg, Squeeze cement from 1699' pumping slowly at 0 psi pumped 1 bbl's pressure start climbing slowly to 500 psi. @ 2 bpm pumped additional 7.95 bbl's for 9.95 displacement. E-TOC 2274' Wait for cement to set up. SIP 500 psi, Leak off 300 psi 30 min, 300 psi 60 min 300 psi 120 min, 300 psi. - L/D 10' sub,TIH w/10' slotted sub and work string, tag plug on jt 71 3' in. TOC 2280' placing 194' plug in 4-1/2 15 sks=3.3 slurry and 154' plug in anulus 44 sks=8.8 slurry. - Pressure test csg & plug to 300 psi for 15 min, Pass no leak off solid. -</p>



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Daily Operations

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7	9/29/2022	9/30/2022	82,914	94,458	<p>9/29/22 NPR H15 22C-15 596 AFE #04-22-2196 (P&A) Day #7 Daily Cost: \$82,460.00 -Duco \$53,720.00 Bid Job -Duco \$28,740.00 Cumulative Cost: \$93,866.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3), discuss rigging down, moving over 24A-15 and hazards. - Check pressures, Csg 0 psi, BH 0 psi, MIRU RMWS. M/U CCL, Wt bar, 3-1/8 gun, .73 EH, 12 gram charge, 6" penetration, Correlate to SLB CBL Log, Shoot 4 hole @ 75' 4-1/2 on vacuum and have blow on 9-5/8 surface csg, POOH, R/D RMWS.. - Close blind rams, Break circulation down 4-1/2 and up 9-5/8 surface csg w/15 bbl's pump 1 extra bbl for 16 bbl's total FW - R/D Handling tools floor, rig down Duco #7, move pipe trailer & base beam. - N/D BOP's, Install production tree. - N/D BOP's, Install production tree. - Plug #7 Mix & pump 36 sks = 7.37 slurry = 75" plug in 4-1/2 csg & 75' in 9-5/8 surface csg, w/Class G cement, 1.15 yield, 15.8# per gal, pumped surface to surface. SIW and clean up. - P&A Complete, Ready to Cut & Cap after 5 days'</p>
8	11/8/2022	11/9/2022	4,060	98,518	<p>Well: NPR 22C-15 596 (H15 Pad) AFE #04-22-2196 (P&A) Daily Cost: \$4,060.00 Cumulative Cost: \$98,518.00</p> <p>Safety Meeting & JSA, Ground Disturbance and Hot Work Permit (Caerus 1, WCO 4) Check Pressures on well (SICP: 0psi / SIBHP: 0psi). Both Csg's had 0% LEL's.</p> <p>-Dig 6' down around Wellhead (Remove Cellar Ring). Remove 2" BH riser. Check Casing(s) and Surrounding area with 4-gas monitor = 0% LEL</p> <p>-Cut window in Surface Csg (9 5/8" / Cmt inside). Fully cut Production Casing (4 1/2" / Cmt inside) and Surface casing off at 5ft below Ground Level. Remove Wellhead (Cmt @Surface inside 4.5" & 9 5/8" / No need to top off).</p> <p>-Fully Weld Cap onto surface Casing Stub (w/ 1/4" weep hole) and install + weld on Abandonment Marker Plate with all correct Well Legal information. Install fencing around excavation, Secure Location. SDFN.</p>