



## Activity - Chronology by Job

**Well Name: NPR H15 24A-15-596**

API/UWI 05045238570000	Related POD POD 2	State CO	County Garfield	Permit Number
Original Spud Date 10/16/2018 13:00	Total Depth (ftKB) 9,339.0	PBTD (All) (ftKB) Original Hole - 9,271.0	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 8/21/2022 00:00	End Date
AFE Number 04-22-2197	Total AFE Amount (Cost) 86,875	Total Field Estimate (Cost) 105,175	AFE - Field Est (Cost) -18,300	

**Summary**  
This well was drilled in 2018 and never completed. TOC is 3466 ft. short of COA and has continuous BH gas flow. Per the COGCC, this well needs to be remediated or P&A'd. With no economic plans to remediate or complete, 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	9/29/2022	9/30/2022	1,674	1,674	<p>9/29/22 NPR H15 24A-15 596 AFE #04-22-2197 (P&amp;A) Day #1 Daily Cost: \$1,651.00 -RigUp: \$1,651.00  Cumulative Cost: \$1,651.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3) Discuss moving over to H15-24A-15 from H15 22C-15 pad. - Wait to finish on NPR H15 22C-15 - Rig move from H15 22C-15 , Spot base beam, Duco #7, pipe trailer, R/U Duco #7.- Check pressures 4 1/2 csg 0 psi, BH 36 psi. Bleed off to 0 psi in 5 min to tank. N/D production tree, Install BOP's. - M/U 10' slotted sub, TIH w/2-3/8 4.7# L80 work string (Tally going in). Tag on jt 285 8' out= 9224' L/D tag jt add 20' subs EOT=9220' - Pressure test 4-1/2 csg to 350 psi for 15 min. Pass no leak off, Solid test. - Plug #1 Mix &amp; pump 19 sks = 3.89 slurry = 250' plug, Class G cement , 1.15 yield, 15.8# per gal, E-TOC 8971' Displace 34.7 bbl's FW.- S/B 60 stands. in derrick (120 jt's) EOT=5322' Close and lock pipe rams, secure tbg,csg &amp; BH SDFN</p>
2	9/30/2022	10/1/2022	1,674	3,348	<p>9/30/22 NPR H15 24A-15 596 AFE #04-22-2197 (P&amp;A) Day #2 Daily Cost: \$1,651.00 -RigUp: \$1,651.00  Cumulative Cost: \$3,302.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3) Discuss pinch points, Pressure. - Check pressures tbg 0 psi, 4-1/2 csg 40, BH 0 psi (slight blow to mall to measure). Continue standing 94 stands in derrick, L/D 96 jt's and 10' slotted sub. - 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 @ 6064' (Collar @ 6066') POOH R/D RMWS.. - M/U 10' slotted pup, TIH 188 jt's = 6091' add 24' of subs = EOT 6115' - Break circulation w/10 bbl's SI 4-1/2 csg, Close csg, Bring pump online 1 bbl away pressure climbing to 1500 psi, pump a total of 10 bbl's, S/D pump shut in tbg, 1350 psi, leaks off to 900 psi 5 min, 700 psi 10 min. - Call and talk with Carlos Torres 316' internal plug leaving 400 psi on it till tomorrow morning, Tag and perforate 40' above tag and get injection test.. - Plug #2 Mix &amp; pump 24 sks = 4.91 slurry = 316' internal plug in 4-1/2 csg w/Class G cement , 1.15 yield, 15.8# per gal, E-TOC 5799' Displace 22.6 bbl's FW.- L/D 24" sub &amp; 12 jt's (stand back 2 stands S/D 30 min due to lightning) stand back 20 stands total in derrick leaving 138 ITH, EOT 4486' . Reverse out w/ 20 bbl's FW, SI tbg apply 400 psi on csg. SI csg, Night cap tbg , csg and BH. SDFN - Well Shut In &amp; Secure</p>



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### Daily Operations

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary
3	10/1/2022	10/2/2022	1,937	5,285	<p>10/01/22 NPR H15 24A-15 596 AFE #04-22-2197 (P&amp;A) Day #3 Daily Cost: \$1,651.00 -RigUp: \$1,651.00  Cumulative Cost: \$4,953.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3) Discuss weather, muddy location and roads, slips, trips &amp; falls.- TIH Tag TOC on jt 183 3' out = 5929' - Pressure test 4-1/2 csg 400 psi 45 min Pass No leak off solid. - Call and talk with Carlos Torres, We are going to perforate @ 5803 (Top of the Ohio Creek formation) place EOT @ 5900' (29' above TOC @ 5929') Pump 48.92 sks= 10.02 slurry= 647' internal plug, E-TOC 5253' leave 500 psi on 4-1/2, Tag in the morning. - Stand back 40 stands in derrick. S/D for lighting. - S/D 30 min for Lighting &amp; Heavy rain. - Continue Standing tbg in derrick 88 stands total (176 jt's) - 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 @ 5803' POOH R/D RMWS. - M/U 10' slotted pup, TIH 182 jt's = 5900' 29' above TOC @ 5929' - Break circulation w/10 bbl's SI 4-1/2 csg, Close csg, Bring pump online 1 bbl away pressure climbing to 1500 psi @ 0.50 bpm, pump a total of 10 bbl's, S/D pump shut in tbg, 1200 psi, leaks off to 850 psi 5 min, 700 psi 10 min. Bleed off. - Plug #3 Mix &amp; pump 49 sks = 10.03 slurry = 647' internal plug in 4-1/2 csg w/Class G cement, 1.15 yield, 15.8# per gal, E-TOC 5253' Displace 20.48 bbl's FW. - Stand back 40 jt's in derrick. (20 stands) EOT 4645 143 jt's in. - Close &amp; lock pipe, Reverse out 23 bbl's FW. Apply 400 psi on 4-1/4 csg, SWI. Secure BH, csg &amp; tbg. SDFN.</p>
4	10/2/2022	10/3/2022	1,674	6,959	<p>10/02/22 NPR H15 24A-15 596 AFE #04-22-2197 (P&amp;A) Day #4 Daily Cost: \$63,951.00 -RigUp: \$1,651.00 -Duco \$62,300.00 Bid Estimate Cumulative Cost: \$68,909.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3) Discuss weather, muddy location and roads, slips, trips &amp; falls. - Check pressures, Tbg 300 psi, Csg 300 psi, BH &lt;10 psi, Bleed pressures off. TIH Tag TOC on jt 162 4' out = 5253' - Stand back 128 jt's in derrick, (63 stands) L/D 34 jt's &amp; 10' slotted sub. - 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 @ 4065' POOH R/D RMWS. - M/U 10' slotted pup, TIH 126 jt's = 4102' add 12' subs= 4114' - Top off 4-1/2 csg w/5 bbl's SI csg bring pump on line for injection test. pump 2.0 bbl's pressure @ 1400 psi pump 15 bbl's total S/D pump 800 psi, leaks off to 525 in 5 min, 475 psi in 10 min, 475 15 min., Bleed off and get 9 bbl's back. - Drive to phone service, Call Carlos Torres discuss next plan. going to pump 40 sks= 528' internal plug in 4-1/2 then apply 500 psi. tag TOC after day's off. - Plug #4 Mix &amp; pump 40 sks = 8.18 slurry= 528" internal plug in 4-1/2 csg w/Class G cement, 1.15 yield, 15.8# per gal, E-TOC 3587' Displace 13.98 bbl's FW.No pressure on BH during cement job. - Stand back 40 jt's in derrick (20 stands) EOT=2018' - Reverse out 15 bbl's FW. SI csg apply 500 psi. SWI night cap tbg, csg, BH..Shut down for days' off. Return 10/10/22 - Well Shut In &amp; Secure</p>



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### Daily Operations

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5	10/10/2022	10/11/2022	1,651	8,610	<p>10/10/22 NPR H15 24A-15 596 AFE #04-22-2197 (P&amp;A) Day #5 Daily Cost: \$1,651.00 -RigUp: \$1,651.00  Cumulative Cost: \$70,555.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3) Discuss colder weather, slips, trips &amp; falls - Check pressures, Tbg 40 psi, Csg 40 psi, BH &lt;20 psi, Bleed pressures off. TIH Tag TOC on jt 122 all the way in = 3973' 58' deep procedure E-TOC 3915' (squeezed 386' = 5.98 bbl's in annulus = 109.31' - Pressure test plug &amp; csg to 460 psi for 15 min. Pass no leak off, solid.- Drive to phone service, Call Carlos Torres discuss if being 58' short of being @ 3915' E-TOC. Carlos called COGCC engineer and got a verbal to proceed to next step #13 perforate @ 3454' and get injection rate test. - Stand back 106 jt's in derrick, (53 stands) EOT 3462' L/D 20 jt's &amp; 10' slotted sub. - 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 @ 3454' POOH R/D RMWS. - M/U 10' slotted pup, TIH 107 jt's = 3495' add 10' sub=3405' - Top off 4-1/2 csg w/6 bbl's SI csg bring pump on line for injection test. pump 1.0 bbl's pressure 820 psi @ .5 bpm, 900 psi @ 0.25 bpm pump 10 bbl's total S/D pump 550 psi, leaks off to 300 in 5 min, 275 psi in 10 min, 250 15 min., Bleed off - Plug #5 Mix &amp; pump 73 sks = 14.95 slurry w/3% Calcium = 964" internal plug in 4-1/2 csg w/Class G cement, 1.15 yield, 15.8# per gal, E-TOC 2541' Displace 9.86 bbl's FW.No pressure on BH during cement job. - Stand back 40 jt's in derrick (20 stands) EOT=2194' - Top off 4-1/2 csg w/6 bbl's FW Reverse out 10 bbl's FW. SI tbg, squeeze 8 bbl's in annulus -- and lock up @ 1500 psi, bleed back to 500 psi. SWI - Wait 3.5 hrs for cement to setup. pressure after 3.5 hrs 450 psi, bleed off to tank.- TIH tag TOC on jt 96 6' in = 3115', placing 6.06 bbl's in 4-1/2 csg = 309.96' plug, &amp; 8.89 bbl's in annulus = 162.50' plug.- Stand back 38 stands in derrick (76 jt's 2491') L/D 20 jt's &amp; 10' slotted sub.</p>
6	10/11/2022	10/12/2022	94,165	102,775	<p>10/11/22 NPR H15 24A-15 596 AFE #04-22-2197 (P&amp;A) Day #6 Daily Cost: \$8365.00 -RigUp: \$1,651.00 -RMWS \$6,714.00 Cumulative Cost: \$78,920.00</p> <p>Safety meeting, JSA Caerus (1), Duco (9), RMWS (3) Discuss slips, trips &amp; falls, wireline work, pinch points. - Check pressures, Tbg N/A psi, Csg 0 psi, BH &lt;10 psi, Bleed pressures off. 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 @ 2441' POOH R/D RMWS. - M/U 10' slotted pup, TIH 76 jt's = 2491' - Break circulation up 4-1/2 csg w/17 bbl's and have very good blow on surface csg, pump additional 56 bbl's and break circulation up 9-5/8 surface csg, pump additional 57 bbl's cleaning up 9-5/8 surface csg. getting 9# mud in returns. pumped 133 bbl's of FW up 9-5/8, (130 bbl's total job. - Plug #6 Mix &amp; pump 59 sks = 12.08 slurry w/3% Calcium = 200" plug in 4 -1/2 csg (3.1 bbl's) &amp; 150' plug in 9-5/8 surface csg (8.98 bbl's) w/Class G cement, 1.15 yield, 15.8# per gal, E-TOC 2291' Displace 8.93 bbl's FW.Had good returns on 9-5/8 &amp; 4-1/2 during cement job. - Stand back 76 jt's in derrick (38 stands) =2491' - Wait 3.5 hrs for cement to set up - TIH tag TOC on jt 68 15 in 2209' 82' high from E-TOC @ 2291' 282' plug in 4-1/2 &amp; 136' plug in annulus. (86' plug above surface shoe) - L/D all tbg 76 jt's - Pressure test plug &amp; csg 475 psi for 15 min. Pass no leak off, bleed off. - MIRU RMWS. M/U CCL, Wt bar, 3-1/8 gun, .73 EH, 12 gram charge, 6" penetration, Shoot 4 hole @ 75' POOH, R/D RMWS.- Close blind rams, break circulation down 4-1/2 &amp; up 9-5/8 surface csg. pump 8 bbls. - R/D handling equipment &amp; rig floor.- N/D BOP's install wellhead. - R/D Duco #7 &amp; move - Plug #7 Mix &amp; pump 36 sks = 7.37 slurry down 4-1/2 csg &amp; up 9-5/8 surface csg w/Class G cement, 1.15 yield, 15.8# per gal, good cement surface to surface. S/D pump close in well, clean up pump.Move tbg &amp; BOP trailers, move base beam, load beam. clean location, spot k-rails.</p>



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### Daily Operations

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary
7	11/8/2022	11/9/2022	2,400	105,175	<p>Well: NPR 24A-15 596 (H15 Pad) AFE #04-22-2197 (P&amp;A) Daily Cost: \$2,400.00 Cumulative Cost: \$103,402.00</p> <p>Safety Meeting &amp; 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 9 5/8" / Top off 4.5" Csg with 2 Sacks Cmt).</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>