

San Juan Resources

Apperson #1

Date Completed 3/4/2021

Plug #	Formation	Formation Top	Perfs	CICR/CIBP Depth	Cement Detail	Plug Depth	Plug Position
1	DK/Graneros	6490'	Top perf 6442'	6388'	21 sxs Class G (24.15 cf) below 9 sxs Class G (10.35 cf) retainer	6275'-6648'	Inside
2	Gallup	5572'	-	-	12 sxs Class G (13.8 cf)	5532'-5625'	Inside
3	Mancos	4650'	-	-	15 sxs Class G (17.25 cf)	4518'-4700'	Inside
4	Mesa Verde	3646'	-	-	15 sxs Class G (17.25 cf)	3515'-3701'	Inside
5	Chacra	2503'	-	-	15 sxs Class G (17.25 cf)	2553'-2742'	Inside
6	Pictured Cliffs	1955'	-	-	15 sxs Class G (17.25 cf)	1832'-2030'	Inside
7	Fruitland	1398'	1690'	1662'	40 sxs Class G (46.0 cf) 15 sxs Class G (17.25 cf)	1448'-1690'	Outside Inside
8	Ojo Alamo/Kirtland	1322'	709'	684'	60 sxs Class G (69.0 cf) 24 sxs Class G (27.6 cf)	392'-709'	Outside Inside
9	Surface Shoe Top Off	298'	348'		123 sxs Class G (141.45 cf) 12 sxs Class G (13.8 cf)	Surface-348'	Outside Surface

SICP/SITP=0psi upon arrival. ND wellhead and NU BOP. Unset pkr and backside began blowing hard. BD well to rig pit until down to vent. Picked up a 4-1/2" CICR and TIH on 210jts of original tbg (SN 2jts above CICR). Set CICR at 6387'KB (Top perf at 6442'). Load tbg 22bbls of water and tested tbg to 600psi, good test. Make final motion and sting out of retainer. Loaded csg with 65bbls of water, circulate clean. LD 2jts of 2-3/8" tbg. Drain up pump & lines. Shut in well and SDON.

SICP/SITP=0psi upon arrival. TOH with 210jts of 2-3/8" tbg, SN & Stinger assembly. RU The Wireline Group (Cutters) and RIH to 6388'KB(tagged CICR), logged F/ 6388' – T Surface(Computer malfunction half way-had to restart). Found TOC at 1800'+/-. Picked up stinger assembly, RIH to CICR at 6388'KB. Circulated down, engaged retainer and est injection rate at 1.5bpm @ 700psi.

ⓂMixed & Pumped Plug #1: DK/Graneros (6272'-T/6648', CICR at 6388'): 30sxs (34.5ft3, 6.16bbl slurry, 1.15yld, 15.8ppg), displaced w/ 22.5bbls of water, stung out of retainer & pump an additional 1bbl. Pumped 21sx below retainer, 9sx balanced on top of retainer. (balanced at 1500hrs) LD 6jts & TOH w/ 204jts of 2-3/8" tbg & stinger assembly. Picked up a 4' tbg sub (9 slots & orange peeled) and TIH on 184jts of 2-3/8" tbg. Shut in well and SDON.

SICP/SITP=0psi upon arrival. TIH and tagged TOC at 6275'(GOOD). LD 31jts, PU 6' sub. EOT at 5625'KB. Circulate hole w/ 3bbls of water.

ⓂMixed & Pumped Plug #2: Gallup (5532'-T/5625'): 12sxs (13.6ft3, 2.4bbl slurry, 1.15yld, 15.8ppg), displaced w/ 21bbls of water(balanced at 800hrs), PUH, reverse circ w/ 25bbls, WOC 3hrs (samples are hard). RIH and tagged at 5532'KB(40' above formation top, discussed w/ B. Powell(NMOCD), formation top straddled, good to go). Pull tbg to 4700'. Circulate hole w/ 2bbls of water.

ⓂMixed & Pumped Plug #3: Mancos (4518'-4700'): 15sx (17.25ft3, 3.08bbl slurry, 1.15yld, 15.8ppg), displaced w/ 17bbls of water. (balanced at 1300hrs), PUH, reverse circ w/ 21bbls. WOC 3hrs (samples are hard). RIH and tagged at 4518'(GOOD). Pull tbg to 3701'KB.

ⓂMixed & Pumped Plug #4: Mesaverde (3515'-3701'): 15sx (17.25ft3, 3.08bbl slurry, 1.15yld, 15.8ppg), displaced w/ 13bbls of water. (balanced at 1630hrs), PUH, reverse circulate w/ 20bbls, PUH an additional 5stds to clear wellhead of fluids. Shut in well and SD until 3/1/21(Monday). 102jts of tbg currently on float. 94jts in hole, 20jts in derrick.

SICP/SITP=0psi upon arrival. TIH and tagged TOC at 3515'(GOOD). LD 25jts, PU 6' sub. EOT at 2742'KB. Circulate hole w/ 3bbls of water. Attempt to test csg to 500psi, fell to 0psi in ~30secs. Reaction at BH.

ⓂMixed & Pumped Plug #5: Chacra (2553'-2742'): 15sxs (17.25ft3, 3.08bbl slurry, 1.15yld, 15.8ppg), displaced w/ 9.5bbls of water(balanced at 845hrs), PUH, reverse circ w/ 15bbls, WOC 3.5hrs (samples are hard). RIH and tagged at 2553'KB(GOOD). PUH, EOT at 2030'.

ⓂMixed & Pumped Plug #6: Pictured Cliffs (1832'-2030'): 15sx (17.25ft3, 3.08bbl slurry, 1.15yld, 15.8ppg), displaced w/ 7bbls of water. (balanced at 1245hrs), PUH, reverse circ w/ 15bbls. WOC 3hrs (samples are hard). RIH and tagged at 1832'(GOOD).

LD to 1722' and stand back remaining tbg (1630'). Plan to attempt csg test, RIH and perforate for Fruitland plug in AM. Shut in well & SDON. 162jts of tbg currently on float, 54jts in derrick.

SICP/BH=slight vacuum upon arrival. Attempted to test csg to 520#, fell to 40# in 12 secs.

ⓂRU TWG(Cutters), RIH and shoot 4spf at 1690'KB. Picked up CICR and RIH on 54jts of 2-3/8" tbg. Set CICR at 1662'KB. Est inj rate of 1.5bpm @ 300#, Both BH & csg circulated, shut in csg.

ⓂMixed & Pumped Plug #7(Inside/Outside): Fruitland (1448'-1690'): 55sxs (63.25ft3, 11.29bbl slurry, 1.15yld, 15.8ppg), displaced w/ 3.5bbls of water, sting out of retainer, balanced w/ 2bbls of water(balanced at 900hrs)(40sx outside, 15sx inside), PUH, reverse circ at 868' w/ 10bbls, BH circulating during reverse, shut in BH. TOH w/ stinger, PU orange peeled/slotted sub, RIH. WOC 3.5hrs (samples are hard). Tagged TOC at 1448'(GOOD). LD 6jts & TOH with 22jts of tbg.

ⓂRU TWG. TIH & shoot 4spf at 709'KB. PU CICR and RIH on 22jts of 2-3/8" tbg. Set CICR at 684'KB. Est inj rate of 1.5bpm @ 150# with BH circulating, csg is not circulating.

ⓂMixed & Pumped Plug #8 (Inside/Outside): Ojo Alamo/Kirtland (410'-709'): 84sx (96.6ft3, 17.25bbl slurry, 1.15yld, 15.8ppg), stung out w/ 2bbl slurry remaining, balanced w/ 1.5bbls of water. (balanced at 1430hrs)(60sx outside, 24sx inside, CICR at 684'). PUH, reverse circ w/ 10bbls at 378', BH showing some reaction to reverse circulating. WOC 3hrs (samples are hard). RIH and tagged at 492'. HAD TO RESPOT PLUG #8. Pump 8sx (9.2ft3, 1.6bbl slurry, 1.15yld, 15.8ppg). PUH to 378', reverse circulate. Std back 6stds of tbg. Shut in well & SDON. 204jts of tbg currently on float, 12jts in derrick.

SICP=0psi, BH=1.5psi upon arrival.

ⓂTIH to 392' and tagged TOC(Ojo Alamo/Kirtland plug) F/392'- T/709'(CICR at 684'). LD remaining tbg.

ⓂRU and pressure test csg to 540#, held 35 minutes (as per OCD). Fell to ~490#. Bled off pressure, trapped air released.

ⓂRU TWG(Cutters), RIH and shoot 4spf at 348'KB(50' below surface csg).

ⓂShut blind rams & Est circulation with 5bbls of water via BH valve. RD tongs, floor and ND BOP. NU B-1 Adapter onto wellhead.

ⓂMixed & Pumped Plug #9(Surface plug/Inside/Outside): Surface (0'-348'): 123sxs (141.45ft3, 25.25bbl slurry, 1.15yld, 15.8ppg), circulated good cement to surface. WOC 4hrs (as per OCD). Cut-off wellhead, TOC in 4-1/2" down to 16'GL, annulus full. Weld on P&A marker. Mixed & pumped 12sx(minimum that cement pump can mix) of cement to top off well and filled cellar around wellhead. RD AWS #812.

NMOCD inspector Jonathan Kelly (4 Days) & Monica Kuehling (last Day) on location to witness & approved all cement plugs. CICR sets & perforations.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 123422

CONDITIONS

Operator: SAN JUAN RESOURCES, INC. 1499 Blake St, #10C Denver, CO 80202	OGRID: 20208
	Action Number: 123422
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	7/7/2022