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District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Rd., Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.	30-025-49974
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name INDEPENDENCE AGI	
8. Well Number	2
9. OGRID Number	330718
10. Pool name or Wildcat AGI: Devonian/Fusselman	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,102' (GR)	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ ACID GAS INJECTION

2. Name of Operator
Piñon Midstream, LLC

3. Address of Operator
465 W NM Highway 128; Jal, NM 88252

4. Well Location
Unit Letter C : 1,110 feet from the NORTH line and 1,443 feet from the WEST line
Section 20 Township 25S Range 36E NMPM County LEA

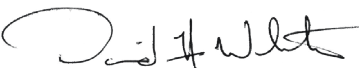
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: Submittal of Daily Reports ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Pursuant to the requirements of Condition No. 5 of NMOCC Order 21455-A, and NMOCD Recommended General Conditions of Approval, we are providing, as an attachment to this submittal, all daily drilling reports for the Pinon Midstream, LLC (OGRID #330718), Independence AGI #2 (API: 30-025-49974).

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Consultant to Piñon DATE 01/03/2022

Type or print name David A. White, P.G. E-mail address: dwhite@geolex.com PHONE: 505-842-8000

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

ATTACHMENT A

CUMULATIVE DAILY REPORT SUMMARY
PINON MIDSTREAM, LLC – INDEPENDENCE AGI #2

Cumulative Morning Report**Piñon Midstream LLC****Independence AGI #2****Sec. 20, Twp. 26S, Rge. 36E****API #30-025-49974**

07/03/2022 424' (274'). Operation: Drlg. Formation: Red bed. Dev @ 300'/0.7°, Azm 252°. MW 8.8, Vis 28, pH 7. Bit #1, Size 26", Mfg HTC, Type TD609KS, SN 5276011, Jets 12/11's, In @ 152'. Made 274' in 11 ¾ hrs, (PU BHA 1, Drlg 11 ¾, RR 2 ¾ hrs). **Remarks:** Day 1. PU BHA. Spudded well w/Frontier Drilling #32 @ 3:30 PM CST 07/02/2022. (Notified NMOCD Hobbs). Drlg w/surveys f/ 152' to 316'. Rig Repair-C/O grabber dies on top drive. Drlg w/surveys f/ 316' to 424'. No fluid lost or gained.

07/04/2022 1172' (748'). Operation: Drlg. Formation: 60% Sand-20% Shale-20% Silt. Dev @ 1084'/0.5°, Azm 283°. MW 9.3, Vis 30, PV 4, YP 2, Gels 10/11/11, WL 3, Solids 8%, pH 7, Cl 3000. Bit #1, Size 26", Mfg HTC, Type TD609KS, SN 5276011, Jets 12/11's, In @ 152'. Made 1020' in 35 ¾ hrs. (Drlg 24 hrs). **Remarks:** Day 2. Drlg w/surveys f/ 424' to 1172'. No fluid lost or gained.

07/05/2022 1241' (69'). Operation: Run Csg. Formation: 60% Anhy-20% Shale-10% Dolo-10% Sand. Dev @ 1180'/0.3°, Azm 283°. MW 9.3, Vis 30, PV 4, YP 2, Gels 10/11/11, WL 3, Solids 8%, pH 7, Cl 3000. Bit #1, Size 26", Mfg HTC, Type TD609KS, SN 5276011, Jets 12/11's, In @ 152'. Out @ 1241'. Made 1089' in 39 ¾ hrs, (Drlg 3 ½, Trip 7, Circ 2 ½, Csg 4 ½, RU 5 ½, Other 1 hrs). **Remarks:** Day 3. Drlg w/surveys f/ 1172' to 1241'. Pump sweep and circ btms up. Wiper trip. Hold PJSM. RU casing crew and run 24" casing. No fluid lost or gained.

07/06/2022 1241' (0'). Operation: WOC. Formation: 60% Anhy-20% Shale-10% Dolo-10% Sand. Dev @ 1180'/0.3°, Azm 283°. MW 9.3, Vis 30, PV 4, YP 2, Gels 10/11/11, WL 3, Solids 8%, pH 7, Cl 3000. (Trip 2, Circ ½, Csg 5 ½, RD 3 ½, Cmt 1, WOC 11 ½ hrs). **Remarks:** Day 4. Run 24" casing as follows:

1	Forum Welded FS	4.00
31	24" 186.4# X56 XLF Csg	1230.85
	Total Length	1234.85
	Less above KB	3.85
	Casing set @	1231.00

RD casing crew. TIH w/ 5" DP inner string and stinger. Sting into shoe and circ. Hold PJSM. RU Halliburton cementers. Cmt Lead w/295 sks ExtendaCem C w/4% Gel, 5% Salt (yld 1.81 cuft/sk @ 13.5 PPG). Tail w/330 sks HalCem C "Neat" (yld 1.33 cuft/sk @ 14.8 PPG). Displaced inner string w/22 bbl FW. Plug down @ 6:30 PM CST 07/15/22. Circ 120 sks to pits. Did not bump plug. Test floats, held OK. Notified Gilbert Cordero, NMOCD but did not witness. RD cementers. TOH w/ 5" DP inner string and stinger. WOC time 18 hrs. No fluid lost or gained.

- 07/07/2022 1241' (0'). Operation: MU BHA w/22" bit. Formation: 60% Anhy-20% Shale-10% Dolo-10% Sand. Dev @ 1180'/0.3°, Azm 283°. MW 9.8, Vis 28, PV 1, YP 1, Gels -/-/, WL -, Solids 1.7%, pH 10, CI 173000. Bit #2, Size 22", Mfg Ulterra, Type U816S, SN 47903, Jets 11/14's, In @ 1241'. Made 0' in 0 hrs, (BHA 2, Test 1 ½, NU 7, Log 5, WOC 7 ½, Other 1 hrs). **Remarks:** Day 5. WOC. RU Schlumberger WL. Run CBL-USIT. Contact Gilbert Cordero, NMOCD with results of CBL-USIT, approved to proceed. RD WL. Test csg for 30 min. 1730 psi start pressure, 1714 psi end pressure. Cut off casing, NU rotating head. MU BHA. No fluid lost or gained.
- 07/08/2022 1705' (464'). Operation: Drlg. Formation: 10% Shale-30% Anhy-60% Salt. Dev @ 1650'/0.5°, Azm 64°. MW 10.1, Vis 28, pH 10. Bit #2, Size 22", Mfg Ulterra, Type U816S, SN 47903, Jets 11/14's, In @ 1241'. Made 464' in 14 hrs, (Drlg 14, RR 3, Trip 2 ½, Circ 3, Other 1 ½ hrs). **Remarks:** Day 6. TIH. Displ w/ 10# brine. Tag cmt # 1230'. Drill cement & FS. RS. Drlg w/ surveys f/1241' to 1482'. RR-top drive. Drlg w/ surveys f/1482' to 1705'. No fluid lost or gained.
- 07/09/2022 2563' (858'). Operation: RR. Formation: 10% Shale-30% Anhy-60% Salt. Dev @ 2403'/1.5°, Azm 35°. MW 10.0, Vis 28, pH 9. Bit #2, Size 22", Mfg Ulterra, Type U816S, SN 47903, Jets 11/14's, In @ 1241'. Made 1322' in 33 ½ hrs, (Drlg 19 ½, RR 4, RS ½ hrs). **Remarks:** Day 7. Drlg w/ surveys f/1705' to 2271'. RS. Drlg w/ surveys f/2271' to 2563'. RR-Generator surging. No fluid lost or gained.
- 07/10/2022 2563' (0'). Operation: RR. Formation: 10% Shale-30% Anhy-60% Salt. Dev @ 2403'/1.5°, Azm 35°. MW 10.0, Vis 31, PV -, YP -, Gels -/-/12, WL 100, Solids 2.97%, pH 9, CI 180000. Bit #2, Size 22", Mfg Ulterra, Type U816S, SN 47903, Jets 11/14's, In @ 1241'. Made 1322' in 33 ½ hrs, (Drlg 19 ½, RR 4, RS ½ hrs). **Remarks:** Day 8. RR-Top Drive Service Loop. TOH to csg shoe. RR-Short in Top Drive Service Loop. No fluid lost or gained.
- 07/11/2022 2755' (192'). Operation: Drlg. Formation: 20% Anhy-80% Salt. Dev @ 2737'/3.4°, Azm 29°. MW 10.1, Vis 28, pH 9. Bit #2, Size 22", Mfg Ulterra, Type U816S, SN 47903, Jets 11/14's, In @ 1241'. Made 1514' in 37 ½ hrs, (Drlg 4, RR 9, Trip 10, Other 1 hrs). **Remarks:** Day 9. RR-Top Drive Service Loop. TIH. Drlg f/ 2563' to 2646'. Troubleshoot directional tools. Drlg f/ 2646' to 2741'. TOH for directional tools. Change directional tools. TIH. Drlg f/ 2741' to 2755'. No fluid lost or gained.
- 07/12/2022 3274' (519'). Operation: Drlg. Formation: 20% Anhy-80% Salt. Dev @ 3301'/3.4°, Azm 32°. MW 10.0, Vis 29, PV 1, YP 1, Gels -/-/, WL -, Solids 2.8%, pH 10, CI 183000. Bit #2, Size 22", Mfg Ulterra, Type U816S, SN 47903, Jets 11/14's, In @ 1241'. Made 2033' in 58 ½ hrs, (Drlg 21, RR 3 hrs). **Remarks:** Day 10. Drlg f/ 2755' to 2879'. RR-Top Drive. Drlg f/ 2879' to 3274'. No fluid lost or gained.
- 07/13/2022 3530' (256'). Operation: Circ. Formation: 20% Silt-20% Sand-50% Dolo-10% Anhy. Dev @ 3526'/2.1°, Azm 39°. MW 10.2, Vis 29, pH 10. Bit #2, Size 22", Mfg Ulterra, Type U816S, SN 47903, Jets 11/14's, In @ 1241'. Made 2289' in 69 ½ hrs, (Drlg 11, Trip 5 ¾, Circ 6, BHA 1 ¼ hrs). **Remarks:** Day 11. Drlg f/ 3274' to 3530'. Pump sweep and circ btms up. Wiper trip. Pump sweep & circ. No fluid lost or gained.

07/14/2022 3530' (0'). Operation: Run 20" Csg. Formation: 20% Silt-20% Sand-50% Dolo-10% Anhy. Dev @ 3526'/2.1°, Azm 39°. MW 10.2, Vis 29, Solids 1.13%, pH 8, CI 184000. Bit #2, Size 22", Mfg Ulterra, Type U816S, SN 47903, Jets 11/14's, In @ 1241', Out @ 3530'. Made 2289' in 69 ½ hrs. (Trip 3, Circ ½, WH 15, Csg 4 ½, Other 1 hrs). **Remarks:** Day 12. Circ. TOH. LD BHA. ND flowline, cut conductor & lay out. Install WH, weld on & test @ 500 psi. Test OK. RU casing crew & run 20" casing. No fluid lost or gained.

07/15/2022 3530' (0'). Operation: WOC. Formation: 20% Silt-20% Sand-50% Dolo-10% Anhy. Dev @ 3526'/2.1°, Azm 39°. MW 10.2, Vis 29, pH 8. (Trip 5, Circ 1 ¼, Csg 10 ½, Cmt 4 ¼, WOC 3 hrs). **Remarks:** Day 13. Run 20" casing as follows:

1	Forum FS	3.00
1	20" 133# P110 Liberty LD Csg	42.92
1	Forum FC	3.08
47	20" 133# P110 Liberty LD Csg	1929.39
1	20" 133# P110 Liberty LD x BTC X/O	41.01
39	20" 133# K55 BTC	1504.83
	Total Length	3524.23
	Less above KB	2.23
	Casing set @	3522.00

RD casing crew. TIH w/ 5" DP inner string and stinger. Sting into shoe and circ. Hold PJSM. RU Halliburton cementers. Cmt Lead w/1390 sks ExtendaCem C w/ 3 pps Kol-Seal, 0.125 pps Poly-E Flake (yld 1.81 cuft/sk @ 13.5 PPG). Tail w/665 sks HalCem C "Neat" (yld 1.33 cuft/sk @ 14.8 PPG). Displaced inner string w/72 bbl FW. Plug down @ 00:18 AM CST 07/15/22. Circ 31 sks to pits. Did not bump plug. Test floats, held OK. RD cementers. Cement fallback evident at wellhead. Notify Gilbert Cordero, NMOCD. TOH w/ 5" DP inner string and stinger. WOC time 16 hrs. Wait on orders while WOC. No fluid lost or gained.

07/16/2022 3530' (0'). Operation: TOH w/ Drill pipe. Formation: 20% Silt-20% Sand-50% Dolo-10% Anhy. Dev @ 3526'/2.1°, Azm 39°. MW 8.4, Vis 28, Solids 2.3%, pH 8, CI 600. (WOC 9 ½, Circ 5 ¾, WH 4 ½, Trip 3 ¼, Other 1 hrs). **Remarks:** Day 14. WOC / WO Orders from OCD. RU Renegade and run CBL. PU 20" casing and remove slips. TIH w/ dp open ended. Displace casing with fresh water. TOH w/ DP f/ CBL. No fluid lost or gained.

07/17/2022 3530' (0'). Operation: Wait on orders-OCD. Formation: 20% Silt-20% Sand-50% Dolo-10% Anhy. Dev @ 3526'/2.1°, Azm 39°. MW 8.4, Vis 28, pH 8, CI 600. (Trip ½, WL 1, Other 22 ½ hrs). **Remarks:** Day 15. TOH. RU Renegade and run CBL. WO Orders from OCD. No fluid lost or gained.

07/18/2022 3530' (0'). Operation: WOC. Formation: 20% Silt-20% Sand-50% Dolo-10% Anhy. Dev @ 3526'/2.1°, Azm 39°. MW 8.4, Vis 28, pH 7, CI 2000. (WOC 13, Cmt 2 ¼, WH 1, WOC 7 ¾ hrs). **Remarks:** Day 16. WO Orders from OCD. Run ½" tubing in annulus. TOC found @ 230' RKB. Cmt thru 1/2" Tubing w/ 122 sks Halcem C "Neat" (yld 1.33 cuft/sk @ 14.8 PPG). Circ 33 sks to surface. Set slips. WOC. No fluid lost or gained.

- 07/19/2022 3530' (0'). Operation: Test Csg. Formation: 20% Silt-20% Sand-50% Dolo-10% Anhy. Dev @ 3526'/2.1°, Azm 39°. MW 8.4, Vis 28, pH 7, CI 2000. (WOC 9, WH 11 ½, WL 3, Test ½ hrs). **Remarks:** Day 17. WOC. Cut & bevel 20" csg. Attempt to install WH packoff. Run wireline CBL. Install WH packoff & spool. Test WH to 1200 psi. Held OK. PU & weld 20" conductor. Test casing, leak at adapter flange weld. Repair weld. No fluid lost or gained.
- 07/20/2022 3530' (0'). Operation: Drlg plug, float & cmt. Formation: 20% Silt-20% Sand-50% Dolo-10% Anhy. Dev @ 3526'/2.1°, Azm 39°. MW 8.4, Vis 28, pH 7, CI 2000. Bit #3, Size 17 ½", Mfg Ulterra, Type CF716, SN 59485, Jets 10/13's, In @ 3530'. Made 0' in 0 hrs. (Test csg ½, Weld Diverter 6 ¾, Trip 9 ¼, BHA 4, Drlg cmt 1, Other 2 ½ hrs). **Remarks:** Day 18. While working on wellhead, slip hand dropped hammer down hole. Weld 20" adaptor flange & test csg to 1500 psi. Held OK. PU 16" magnet & TIH. Work magnet over fish & TOH. Retrieved hammer head. LD magnet & PU drlg BHA. TIH. Drlg plug, float & cmt. No fluid lost or gained.
- 07/21/2022 3900' (370'). Operation: Drlg. Formation: 70% Dolo-30% Lime. Dev @ 3871'/0.3°, Azm 356°. MW 8.5, Vis 28, pH 10, CI 970. Bit #3, Size 17 ½", Mfg Ulterra, Type CF716, SN 59485, Jets 10/13's, In @ 3530', Out @ 3819', Made 289' in 13 ¼ hrs. Bit #4, Size 17 ½", Mfg HTC, Type T606KS, SN 5329790, Jets 5/13's & 4/15's, In @ 3819, Made 81' in 2 ¼ hrs. (Test csg ½, Weld Diverter 6 ¾, Trip 9 ¼, BHA 4, Drlg cmt 1, Other 2 ½ hrs). **Remarks:** Day 19. Drlg f/ 3530' to 3819'. TOH & replace bit. TIH & resume drlg f/ 3819' to 3900'. Losing 40 BPH @ report time.
- 07/22/2022 5380' (1480'). Operation: Circ btms up @ csg point. Formation: 90% Dolo-10% Lime. Dev @ 5204'/0.3°, Azm 186°. MW 8.5, Vis 28, pH 10, CI 970. Bit #4, Size 17 ½", Mfg HTC, Type T606KS, SN 5329790, Jets 5/13's & 4/15's, In @ 3819, Made 1561' in 24 ¾ hrs. (Drlg 22 ½, Circ 1 ½ hrs). **Remarks:** Day 20. Drlg f/ 3900' to 5380'. Circ sweep. Lost approx. 9000 bbl fluid while drilling.
- 07/23/2022 5380' (0'). Operation: Running 13 5/8" csg. Formation: 90% Dolo-10% Lime. Dev @ 5204'/0.3°, Azm 186°. MW 8.5, Vis 28, pH 10, CI 970. Bit #4, Size 17 ½", Mfg HTC, Type T606KS, SN 5329790, Jets 5/13's & 4/15's, In @ 3819', Out @ 5380', Made 1561' in 24 ¾ hrs. (Circ 1 ½, Trip 5 ½, BHA 2, Riser 6, Csg 9 hrs). **Remarks:** Day 21. Circ sweep. TOH to run csg. LD BHA & riser. RU csg crew & run csg. Losing 50 bph while tripping.

07/24/2022 5380' (0'). Operation: WOC – NU Welhead. Formation: 90% Dolo-10% Lime. Dev @ 5204'/0.3°, Azm 186°. MW 8.4, Vis 28, pH 11, Cl 5800. (Csg 7, Cmt 10 ½, Wellhead 4 ½, Other 2 hrs). **Remarks:** Day 22. Continue running 13 5/8" csg & cmt as follows:

1	Forum FS	2.03
1	13 5/8" 88.2# Q-125 BTC Csg	40.31
1	Forum XO	1.30
1	Forum FC	2.06
42	13 5/8" 88.2# Q-125 BTC Csg	1767.20
1	Forum XO	1.32
1	Forum ACP/DV Combo Tool	25.95
84	13 5/8" 88.2# Q-125 BTC Csg	3542.22
	Total Length	5382.39
	Less above KB	4.39
	Casing set @	5378.00

Held PJSM. Halliburton Cmt first stage lead w/1275 sks NeoCem w/0.125 lb/sk Poly-E-Flake, 3 lb/sk Kol-Seal & 0.4% HR-800 (yld 1.35 cuft/sk @ 14.8 ppg). Displaced w/794 bbl mud. Plug down @ 6:30 P.M. 07/23/22. Drop DV tool opening bomb & pressured up to 800 psi. Circ 80 sks cmt off of DV tool. Cmt second stage lead w/2900 sks NeoCem Neat (yld 1.36 cuft/sk @ 13.5 ppg). Tail w/205 sks VersaCem w/0.3% Halad & 0.5 lb/sk D-Air (yld 1.23 cuft/sk @ 14.5 PPG). Displaced w/529 bbl Mud. Plug down @ 10:15 P.M. 07/23/22. Closed DV tool w/2600 psi. Circ 735 sks cmt to surface.

07/25/2022 5380' (0'). Operation: TIH to drill DV tool. Formation: 90% Dolo-10% Lime. Dev @ 5204'/0.3°, Azm 186°. MW 8.4, Vis 28, pH 11, Cl 5800. Bit #5, Size 12 ¼", Mfg Reed, Type TKC66, SN A287304, Jets 5/15's & 1/13's, In @ 5380', Made 0' in 0 hrs. (WOC – NU BOPE 18, Flowline 4, Trip 2 hrs). **Remarks:** Day 23. WOC – NU BOPE & flowline. PU bit & TIH to drill DV tool. No fluid lost or gained.

07/26/2022 5380' (0'). Operation: Test BOPE. Formation: 90% Dolo-10% Lime. Dev @ 5204'/0.3°, Azm 186°. MW 8.4, Vis 28, pH 11, Cl 5800. Bit #5, Size 12 ¼", Mfg Reed, Type TKC66, SN A287304, Jets 5/15's & 1/13's, In @ 5380', Out @ 5380', Made 0' in 0 hrs. (Trip 8 ¾, Drlg DV & FE 7 ¾, Circ 1, Wireline 5, Test csg ½, Test BOPE 1 hrs). **Remarks:** Day 24. Drilled DV tool & cmt. Tested csg to 1500 psi, held OK. Drilled float Equipment. TOH to run wireline. Ran CBL indicating cement to surface. Test BOPE. No fluid lost or gained.

07/27/2022 5471' (91'). Operation: Drlg. Formation: 90% Dolo-10% Lime. Dev @ 5204'/0.3°, Azm 186°. MW 8.4, Vis 28, pH 11, Cl 5800. Bit #6, Size 12 ¼", Mfg Reed, Type TKC66, SN A289165, Jets 5/15's & 1/13's, In @ 5380', Made 91' in 3 hrs. (Drlg 3, RR 2, Trip 7 ½, Test BOPE 7 ½, Cut drlg line 3 ½, Other ½ hrs). **Remarks:** Day 25. Finished testing BOPE. PU dir tools & test. Repair kinked drlg line. TIH to shoe. Cut drlg line. Drlg f/5380' – 5471'. No fluid lost or gained.

- 07/28/2022 7845' (2374'). Operation: Drlg. Formation: 50% Shale, 30% Sandstone, 20% Lime. Dev @ 7686'/18.2°, Azm 186° TVD 7599' 17' Above 53' Right. MW 8.5, Vis 28, pH 10, Cl 5800. Bit #6, Size 12 ¼", Mfg Reed, Type TKC66, SN A289165, Jets 5/15's & 1/13's, In @ 5380', Made 2374' in 24 hrs. (Drlg 24). **Remarks:** Day 26. Drlg f/ 5471' – 7845'. No fluid lost or gained.
- 07/29/2022 8709' (864'). Operation: Trip for bit. Formation: 40% Shale, 60% Lime. Dev @ 8446'/17.7°, Azm 166° TVD 8321' 16' Above 16' Right. MW 8.7, Vis 28, pH 9, Cl 3000. Bit #6, Size 12 ¼", Mfg Reed, Type TKC66, SN A289165, Jets 5/15's & 1/13's, In @ 5380', Made 3329' in 40.5 hrs. (Drlg 13.5, Circ. .5, Trip 3, RR 7). **Remarks:** Day 27. Drlg f/7845 - 8709'. TOH f/ bit. RR drillers console. No fluid lost or gained.
- 07/30/2022 8961' (252'). Operation: Drlg. Formation: 20% Shale-70% Lime – 10% Chert. Dev @ 8731'/18.2°, Azm 175°, 15 A 18 R. MW 8.8, Vis 29, pH 9, Cl 30000. Bit #7, Size 12 ¼", Mfg Reed, Type TKC76, SN A2288364, Jets 7/14's, In @ 8709', Made 252' in 5 hrs. (Drlg 5, RR 3 ¾, Trip 15 ¼). **Remarks:** Day 28. Tripped for bit. Repair kinked drlg line/ Troubleshoot Dynamatic. Finish TIH. Drlg f/8709' – 8961'. No fluid lost or gained.
- 07/31/2022 9958' (997'). Operation: Trip f/ bit and motor. Formation: 10% Shale-20% Lime–70% SS. Dev @ 9869'/16.3°, Azm 153°, 2 A 6 R. MW 8.9, Vis 28, pH 8, Cl 46000. Bit #7, Size 12 ¼", Mfg Reed, Type TKC76, SN A2288364, Jets 7/14's, In @ 8709', Made 1249' in 24 hrs. (Drlg 19, Circ. 1, Trip 4). **Remarks:** Day 29. Drlg f/ 8961' – 9958'. Circ. Bottoms up. TOH f/ bit. No fluid lost or gained.
- 08/01/2022 10,090' (132'). Operation: Circulate and condition mud. Formation: 20% Shale-70% Lime–10% SS. Dev @ 9869'/16.3°, Azm 153°, 2 A 6 R. MW 8.9, Vis 28, pH 8, Cl 46000. Bit #8, Size 12 ¼", Mfg STC, Type XS716, SN JV8873, Jets 10/12's, In @ 9958', Made 132' in 2 hrs. (Drlg 2, Circ. 3 ¾, Trip 11 ¼, BHA 4 ½, Other 2 ½). **Remarks:** Day 30. TOH f/ BHA. C/O BHA. TIH. Downlink tool. Drlg f/ 9958' – 10090'. Troubleshoot BHA. Circulate and condition mud. No fluid lost or gained.
- 08/02/2022 10,110' (20'). Operation: Drlg. Formation: 20% Shale-70% Lime–10% SS. Dev @ 9955'/17.63°, Azm 154°. MW 9.2, Vis 28, pH 7, Cl 86000. Bit #9, Size 12 ¼", Mfg Reed, Type TKC76, SN A288800, Jets 7/14's, In @ 10090', Made 20' in ½ hrs. (Drlg ½, Circ. 5, Trip 15 ¼, BHA 3 ¼). **Remarks:** Day 31. Circulate and wt up mud. TOH f/ Bit. C/O bit and check BHA. TIH. downlink tool. Drlg f/ 10090'-10110'. No fluid lost or gained.
- 08/03/2022 11,360' (1250'). Operation: Drlg. Formation: 50% Shale-50% Lime. Dev @ 11189'/18.1°, Azm 182°. MW 9.2, Vis 28, pH 7, Cl 86000. Bit #9, Size 12 ¼", Mfg Reed, Type TKC76, SN A288800, Jets 7/14's, In @ 10090', Made 1270' in 24½ hrs. (Drlg 24) **Remarks:** Day 32. Drlg f/ 11110'-11360'. No fluid lost or gained.
- 08/04/2022 11,775' (415'). Operation: L/D BHA. Formation: 60% Shale-30% Lime 10% SS. Dev @ 11775'/17.9°, Azm 174°. MW 9.5, Vis 28, pH 10, Cl 115000. Bit #9, Size 12 ¼", Mfg Reed, Type TKC76, SN A288800, Jets 7/14's, In @ 10090', Made 1685' in 35½ hrs. (Drlg 8, Circ. 3, Trip 10 ½, CDL 2 ½) **Remarks:** Day 33. Drlg f/ 11360'- 11775'. Circ. Bottoms up. TOH to shoe. Cut drlg line. TOH. L/D BHA. No fluid lost or gained.

08/05/2022 11,775' (0'). Operation: Running 9 5/8 casing. Formation: 60% Shale-30% Lime 10% SS. Dev @ 11775'/17.9°, Azm 174°. MW 9.5, Vis 28, pH 10, Cl 115000. Bit #9, Size 12 ¼", Mfg Reed, Type TKC76, SN A288800, Jets 7/14's, In @ 10090', Made 1685' in 35½ hrs. (Drlg 0, BHA 2 ¾, Logging 12 ¼, Other ½, Csg 8 ½) **Remarks:** Day 34. L/D BHA. Pull wear bushing. Run wireline logs. Run casing. No fluid lost or gained.

08/06/2022 11,775' (0'). Operation: Cementing 9 5/8 casing. Formation: 60% Shale-30% Lime 10% SS. Dev @ 11775'/17.9°, Azm 174°. MW 9.5, Vis 28, pH 10, Cl 115000. Bit #9, Size 12 ¼", Mfg Reed, Type TKC76, SN A288800, Jets 7/14's, In @ 10090', Made 1685' in 35½ hrs. (Run csg 15 ½, Cement 6 ½, Circ. 2) **Remarks:** Day 35. Run casing. Circ bottoms up. Cement casing. No fluid lost or gained. Ran casing as follows.

1	Davis Lynch Float Shoe	1.83
1	9.625" 47# HCL80 BTC Csg	44.89
1	Davis Lynch Float Collar	1.75
32	9.625" 47# HCL80 BTC Csg	1391.37
	9.625" 47# HCL80 BTC Csg w/ Bond	
106	Coat	4855.90
1	Davis Lynch Packer Stage Collar	24.08
	9.625" 47# HCL80 BTC Csg w/ Bond	
3	Coat	138.05
26	9.625" 47# HCL80 BTC Csg	1137.51
92	9.625" 47# P110 BTC Csg	4177.58
Total Length		11772.96
Less above KB		3.70
Casing set @		11769.26

08/07/2022 11,775' (0'). Operation: Prepare to TIH. Formation: 60% Shale-30% Lime 10% SS. Dev @ 11775'/17.9°, Azm 174°. MW 8.4, Vis 28, pH 7, Cl 500. Bit #10, Size 8 ½", Mfg Reed, Type TKC73, SN A285850, Jets 5/11's & 2/12's, In @ 11775', Made 0' in 0 hrs. (Cmt 2 ¼, Other 1 ¼, Well Head 3, NU 9 ½, Test 8). **Remarks:** Day 36. Cement 2nd stage. Set slips and cutoff. Install D section on well head. Nu BOPE. Test BOPE. No fluid lost or gained. Cement as follows:

1st stage lead 1000 sks Neocem (11.5 ppg, 2.23 yield) Tail w/ 325 sks Versacem w/ .5# D-air 5000, .3% Halad-344, .3% CFR-3, .2% HR-800 (14.5 ppg, 1.2 yield) Displace w/ 480 bbl fresh water and 378 bbl mud. Bump plug @ 3:15 am 8/6/22. Floats held. Set packer and open dv tool. Shut down circ cmt off DV tool due to excessive pressure. Troubleshoot blockage in annulus. Did not circulate cmt off tool. Proceed w/ 2nd stage lead 1040 sks NeoCem (12.5 ppg, 1.75 yield) Tail w/ 315 sks Versacem .5# D-Air 5000, .3% Halad-344, .3% CFR-3 (14.5 ppg, 1.2 yield) Displace w/ 400 bbl fresh water. Closed tool w/ 3000 psi. Bump plug @ 8:11 am 8/6/22. Floats held. Circulated 192 sks to sfc.

- 08/08/2022 11,775' (0'). Operation: TIH to Drill out. Formation: 60% Shale-30% Lime 10% SS. Dev @ 11775'/17.9°, Azm 174°. MW 8.4, Vis 28, pH 7, Cl 500. Bit #10, Size 8 ½", Mfg Reed, Type TKC73, SN A285850, Jets 5/11's & 2/12's, In @ 11775', Made 0' in 0 hrs. (BHA 2 ½, RS 2 ½, RR 1, Drill FE 1 ½, Log 5, Other 3 ½, Trip 10). **Remarks:** Day 37. Install wear bushing. Rig service. Set backyard for circulating premix. TIH to DV tool. Drill DV tool. TOH. Run CBL. MU directional BHA. TIH. RR. TIH. No fluid lost or gained.
- 08/09/2022 12,225' (450'). Operation: Drlg. Formation: 50% Shale-50% Lime. Dev @ 12150'/17.5°, Azm 170°. MW 12.1, Vis 63, HTHP 6, WP 5.25. Bit #10, Size 8 ½", Mfg Reed, Type TKC73, SN A285850, Jets 5/11's & 2/12's, In @ 11775', Made 450' in 9 ½ hrs. (Drlg 9½, RS ½, Test ¾, Other 4, Trip 10, Trip 4 ¾). **Remarks:** Day 38. TIH. Test casing to 1500 psi. Drill float equipment TOC 11708'. Fill pits and displace w/ OBM. Rig service. Troubleshoot pumps. Drlg f/ 11,775' – 12,223'. No fluid lost or gained.
- 08/10/2022 12,826' (601'). Operation: Drlg. Formation: 60% Lime-30% Shale-10% Silt. Dev @ 12813'/18.4°, Azm 172°. MW 12.0, Vis 68, HTHP 7.8, ES 670. Bit #10, Size 8 ½", Mfg Reed, Type TKC73, SN A285850, Jets 5/11's & 2/12's, In @ 11775', Made 1051' in 24 ¼ hrs. (Drlg 14 ¾, RS ½, RR 2 ¾, Circ 3 ½, Other ½, Trip 2). **Remarks:** Day 39. Drlg f/ 12,223' – 12,287'. Repair leak on standpipe. Drlg f/12,287' – 12,646'. Repair leak on standpipe. Drlg f/12,646' – 12,663'. TOH to find lost DP screen (found 2 oversized joints DP & screen had slid down to middle of tube). Circ gas out. Replace rotating head. Resume drlg f/12,646' – 12,826'. No fluid lost or gained.
- 08/11/2022 13,378' (552'). Operation: Drlg. Formation: 50% Lime-30% Shale-10% Sand-10% Silt. Dev @ 13192'/18.0°, Azm 171°. MW 12.5, Vis 71, HTHP 7.5, ES 710. Bit #10, Size 8 ½", Mfg Reed, Type TKC73, SN A285850, Jets 5/11's & 2/12's, In @ 11775', Made 1603' in 46 hrs. (Drlg 21 ¾, RS ½, RR 1 ½, Other ¼). **Remarks:** Day 40. Drlg f/ 12,826' – 13,172'. Service rig. Drlg f/13,172' – 13,135'. Repair leak on standpipe. Drlg f/13,135' – 13,333'. Repair drive pump outlet plug. Drlg f/13,333' – 13,378'. No fluid lost or gained.
- 08/12/2022 13,461' (83'). Operation: TIH. Formation: 50% Lime-20% Shale -30% Silt. Dev @ 13381'/19.2°, Azm 181°. MW 12.5, Vis 95, HTHP 7.2, ES 750. Bit #10, Size 8 ½", Mfg Reed, Type TKC73, SN A285850, Jets 5/11's & 2/12's, In @ 11775', Out @ 13461', Made 1686' in 52 hrs. Bit #11, Size 8 ½", Mfg Reed, Type TKC73, SN A282503, Jets 4/11's & 3/12's, In @ 13461', Made 0' in 0 hrs. (Drlg 6, Circ 1, Trip 15 ½, Other 1 ½). **Remarks:** Day 41. Drlg f/ 13,378' – 13,461'. Pump slug & TOH for bit. Replace bit & directional tools & TIH. Lost approx. 90 bbls OBM on trip.
- 08/13/2022 13,931' (470'). Operation: Drlg. Formation: 30% Lime-50% Shale -10% Silt – 10% Sand. Dev @ 13852'/18.9°, Azm 173°. MW 12.6, Vis 73, HTHP 6.8, ES 760. Bit #11, Size 8 ½", Mfg Reed, Type TKC73, SN A282503, Jets 4/11's & 3/12's, In @ 13461', Made 470' in 16 ¾ hrs. (Drlg 16 ¾, Trip 4 ½, RS ½, RR 2 ¼). **Remarks:** Day 42. TIH. Drlg f/ 13,461' – 13,706'. RS. Drlg f/ 13,706' – 13,842'. RR, stand pipe gasket. Drlg f/ 13,842' – 13,931'. No fluid lost or gained.

- 08/14/2022 14,099' (168'). Operation: TOH. Formation: 40% Lime-40% Shale -10% Silt – 10% Sand. Dev @ 14,039' /18.7°, Azm 172°. MW 12.6, Vis 64, HTHP 6.6, ES 780. Bit #11, Size 8 ½", Mfg Reed, Type TKC73, SN A282503, Jets 4/11's & 3/12's, In @ 13,461', Made 638' in 30 ¾ hrs. (Drlg 14, Trip 6 ¾, RS ½, RR 1 ¾, Circ 1). **Remarks:** Day 43. Drlg f/ 13,461' – 14,039'. RS. RR-stand pipe gasket. Drlg f/ 14,039' – 14,068'. RR, weld stand pipe union. Drlg f/ 14,068' – 14,099'. Circ. TOH f/ bit. No fluid lost or gained
- 08/15/2022 14,103' (4'). Operation: Drlg. Formation: 40% Lime-40% Shale -10% Silt – 10% Sand. Dev @ 14,039' /18.7°, Azm 172°. MW 12.6, Vis 90, HTHP 6.2, ES 710. Bit #11, Size 8 ½", Mfg Reed, Type TKC73, SN A282503, Jets 4/11's & 3/12's, In @ 13,461', Out @ 14,099'. Made 638' in 30 ¾ hrs. Bit #12, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5329212, Jets 4/11's & 3/12's, In @ 14,099'. Made 4' in ¼ hrs. (Drlg ¼, Trip 18, RS ½, BHA 1 ½, Circ 1 ½, Other 2 ¼). **Remarks:** Day 44. TOH f/ bit. Change bit, MWD, RSS tools. RS. TIH to shoe. Slip & cut drill line. TIH. Circ & downlink RSS. Drlg f/ 14,099' – 14,103'. No fluid lost or gained
- 08/16/2022 15,315' (1212'). Operation: Drlg. Formation: 90% Shale-10% Silt. Dev @ 15,247' /16.7°, Azm 162°. MW 12.6, Vis 85, HTHP 6.2, ES 725. Bit #12, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5329212, Jets 4/11's & 3/12's, In @ 14,099'. Made 1216' in 18 ½ hrs. (Drlg 18 ¼, RR 4, RS ½, Circ ½, Other ¾). **Remarks:** Day 45. Circ gas out. Drlg f/ 14,103' – 14,823'. Rig Service. Drlg f/14,823' – 15,233'. Repair mud pump #2. Drlg f/15,233' – 15,286'. Repair mud pump #2. Drlg f/15,286' – 15,297'. Repair mud pump #3. Drlg f/15,297' – 15,315'. No fluid lost or gained
- 08/17/2022 15,854' (539'). Operation: Circ btms up. Formation: 80% Shale-10% Silt-10% Sand. Dev @ 15,806' /17.1°, Azm 159°. MW 12.3, Vis 96, HTHP 6.7, ES 660. Bit #12, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5329212, Jets 4/11's & 3/12's, In @ 14,099'. Made 1755' in 33 ½ hrs. (Drlg 15, RR 7 ½, RS ½, Circ ¼, Other ¾). **Remarks:** Day 46. Drlg f/ 15,315' – 15,724'. Rig Service. Repair mud pump #3. Drlg f/15,724' – 15,755'. Repair mud pump #2. Drlg f/15,755' – 15,854'. Circ btms up & prepare for TOH. No fluid lost or gained
- 08/18/2022 15,854' (0'). Operation: Circ & build weighted pill. Formation: 80% Shale-10% Silt-10% Sand. Dev @ 15,806' /17.1°, Azm 159°. MW 12.6, Vis 105, HTHP 6.8, ES 510. Bit #12, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5329212, Jets 4/11's & 3/12's, In @ 14,099'. Made 1755' in 33 ½ hrs. (Circ 19, Trip 5). **Remarks:** Day 47. Circ & condition mud. TOH to shoe. Circ while building weighted pill. Lost 18 bbls mud while circ.
- 08/19/2022 15,854' (0'). Operation: TIH. Formation: 80% Shale-10% Silt-10% Sand. Dev @ 15,806' /17.1°, Azm 159°. MW 12.6, Vis 105, HTHP 6.8, ES 490. Bit #12, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5329212, Jets 4/11's & 3/12's, In @ 14,099', Out @ 15,854', Made 1755' in 33 ½ hrs. Bit #13, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5330545, Jets 4/11's & 3/12's, In @ 15,854', Made 0' in 0 hrs. (Circ 4, Trip 15, BHA 5). **Remarks:** Day 48. Circ & condition mud. TOH. Replace bit & tools. TIH. No fluid lost or gained.

08/20/2022 15,855' (1'). Operation: Troubleshoot Pump #2. Formation: 60% Lime-30% Shale-10% Silt. Dev @ 15,806' /17.1°, Azm 159°. MW 12.2, Vis 105, HTHP 6.8, ES 310. Bit #13, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5330545, Jets 4/11's & 3/12's, In @ 15,854', Made 1' in ¼ hrs. (Drlg ¼, Trip 11 ¾, Wash 2 ¼, Circ 6 ¼, Other 3 ½). **Remarks:** Day 49. TIH to shoe. Break circulation & attempt to circ mud cap out of hole. Returns are highly water contaminated. TIH to 15,650'. Circ gas out of wellbore. Wash & ream to btm. Drlg f/15,854' – 15,855'. Troubleshoot MWD & mud pump #2. Lost 30 bbls mud while tripping.

08/21/2022 16,085' (230'). Operation: TOH. Formation: 50% Lime-30% Shale-20% Silt. Dev @ 15,999' /16.4°, Azm 160°. MW 12.5, Vis 109, HTHP 8.0, ES 305. Bit #13, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5330545, Jets 4/11's & 3/12's, In @ 15,854', Made 231' in 17 ¾ hrs. (Drlg 17 ½, Circ 5, Trip 1 ½). **Remarks:** Day 50. Drlg f/15,855' – 16,085'. Troubleshoot motor. Circ while build mud cap. TOH. No fluid lost or gained.

08/22/2022 16,085' (0'). Operation: Wait on fishing tools. Formation: 50% Lime-30% Shale-20% Silt. Dev @ 15,999' /16.4°, Azm 160°. MW 12.5, Vis 109, HTHP 8.0, ES 305. Bit #13, Size 8 ½", Mfg Baker Hughes, Type D507TWX, SN 5330545, Jets 4/11's & 3/12's, In @ 15,854', Made 231' in 17 ¾ hrs. (Trip 12 ½, Circ 2 ½, WO tools 9). **Remarks:** Day 51. TOH to csg shoe. Spot 150 bbls of 15# mud cap. TOH. Found RSS tool broken @ top pad. Did not recover bottom of RSS tool and bit. Fish consists of 2' of RSS stabilizer (7.7" OD) & 1' HTC bit (8.5" OD). WO fishing tools. No fluid lost or gained.

08/23/2022 16,085' (0'). Operation: Circ. Formation: 50% Lime-30% Shale-20% Silt. Dev @ 15,999' /16.4°, Azm 160°. MW 12.5, Vis 109, HTHP 7.8, ES 305. (Trip 8 ½, Circ ¼, BHA ¾, WO tools 8 ¾, Wash/Ream 5 ¾). **Remarks:** Day 52. WO fishing tools. MU fishing tools. TIH & tag @13,461'. Work tools. Circ btms up. 40 bbl water gain.

08/24/2022 16,085' (0'). Operation: Cut & slip drlg line. Formation: 50% Lime-30% Shale-20% Silt. Dev @ 15,999' /16.4°, Azm 160°. MW 12.5, Vis 77, ES 300. (Trip 15 ¼, Circ 5 ¼, BHA 1 ½, Other 2). **Remarks:** Day 53. Circ. TOH to shoe. Circ btms up, spot 150 bbl pill. TOH. MU fishing tools. TIH to shoe. Cut & slip drlg line. No fluid lost or gained.

08/25/2022 16,085' (0'). Operation: TOH. Formation: 50% Lime-30% Shale-20% Silt. Dev @ 15,999' /16.4°, Azm 160°. MW 12.4, Vis 96, ES 380. (Trip 11 ¼, Circ 7, RS 3 ¼, Other 2 ½). **Remarks:** Day 54. Cut & slip drlg line. TIH t/ top of fish. Circ & condition mud. Work tools over fish, gain 100K drag. TOH. Send 80 bbl water contaminated mud to bin.

08/26/2022 16,085' (0'). Operation: TIH. Formation: 50% Lime-30% Shale-20% Silt. Dev @ 15,999' /16.4°, Azm 160°. MW 12.6, Vis 95, ES 300. (Trip 23, BHA 1). **Remarks:** Day 55. TOH, work tight hole. No fish, MU BHA to cement. TIH. No fluid lost or gained.

08/27/2022 16,085' (0'). Operation: Cementing. Formation: 50% Lime-30% Shale-20% Silt. Dev @ 15,999' /16.4°, Azm 160°. MW 12.6, Vis 91, ES 405. (Trip 8 ½, W/Ream 10, Circ 4 ½, Cmt 1). **Remarks:** Day 56. TIH for cmt/fishing, work tight spots. Circ. Wash & ream to prep for cement. RU cementers. 300 bbl water contaminated mud to bin.

08/28/2022 15,147' (-938'). Operation: TIH w/ drlg BHA. Formation: 50% Lime-30% Shale-20% Silt. Dev @ 15,154' /16.1°, Azm 162.6°. MW 12.6, PV 75, YP 26, Solids 22%, OWR 55/45, WPS 155K. Bit #14, Size 8 ½", Mfg Ulterra, Type XP713, SN 53341, Jets 3/11's & 4/12's, In @ 15,147', Made 0' in 0 hrs. (Trip 10 ½, Cmt 2 ½, BHA 8 ¾, RS 1 ½, Circ ¾). **Remarks:** Day 57. Pump cmt KOP, 246 sks @ 17.5 ppg, 0.995 cuft/sk. POOH. Pump 75 bbl slug. TOH. LD fishing BHA. RS-washpipe. PU drlg BHA. No fluid lost or gained

08/29/2022 15,281' (134'). Operation: Drlg. Formation: 60% Cement - 40% Shale. Dev @ 15,154' /16.1°, Azm 162.6°. MW 12.5, PV 66, YP 24, Solids 22%, OWR 53/47, WPS 152K. Bit #14, Size 8 ½", Mfg Ulterra, Type XP713, SN 53341, Jets 3/11's & 4/12's, In @ 15,147', Made 134' in 10 ½ hrs. (Trip 10 ½, W/Ream 2, Drlg 11 ½). **Remarks:** Day 58. TIH. Wash & Ream f/ 14,775' to 15,147' (TOC). Drlg cmt f/ 15,147' to 15,177'. Slide f/ 15,177' to 15,281'. 100 bbl water contaminated mud sent to bin.

08/30/2022 15,330' (49'). Operation: Drlg. Formation: 30% Cement - 60% Shale – 10% Siltstone. Dev @ 15,154' /16.1°, Azm 162.6°. MW 12.7, PV 80, YP 20, Solids 22%, OWR 55/45, WPS 132K. Bit #14, Size 8 ½", Mfg Ulterra, Type XP713, SN 53341, Jets 3/11's & 4/12's, In @ 15,147', Made 183' in 34.5 hrs. (Drlg 24). **Remarks:** Day 59. Slide f/ 15,281' to 15,330'. No fluid lost or gained.

08/31/2022 15,342' (12'). Operation: Drlg-sliding. Formation: 20% Cement - 70% Shale – 10% Siltstone. Dev @ 15,154' /16.1°, Azm 162.6°. MW 12.9, PV 50, YP 15, Solids 23%, OWR 61/39, WPS 147K, ES 410. Bit #14, Size 8 ½", Mfg Ulterra, Type XP713, SN 53341, Jets 3/11's & 4/12's, In @ 15,147', Made 195' in 58 ½ hrs. (Drlg 24). **Remarks:** Day 60. Slide f/ 15,330' to 15,342'. No fluid lost or gained.

09/01/2022 15,942' (600'). Operation: Drlg. Formation: 60% Cement - 20% Shale – 20% Siltstone. Dev @ 15,906' /16.4°, Azm 160.0°. MW 12.9, Vis 71, PV 51, YP 14, Solids 24%, OWR 62/38, WPS 167K. Bit #14, Size 8 ½", Mfg Ulterra, Type XP713, SN 53341, Jets 3/11's & 4/12's, In @ 15,147', Made 795' in 82 ½ hrs. (Drlg 24). **Remarks:** Day 61. Slide f/ 15,342' to 15,440'. Drlg & WR f/ 15,440' to 15,942'. No fluid lost or gained.

09/02/2022 16,085' (143'). Operation: TOH. Formation: 60% Lime - 30% Shale – 10% Siltstone. Dev @ 15,999' /16.9°, Azm 158.5°. MW 12.9, Vis 74, PV 46, YP 14, Solids 24%, OWR 63/37, WPS 173K. Bit #14, Size 8 ½", Mfg Ulterra, Type XP713, SN 53341, Jets 3/11's & 4/12's, In @ 15,147', Made 938' in 95 hrs. (W/Ream 12 ½, RS ½, Trip 11). **Remarks:** Day 62. WR f/ 15,942' to 16,085'. TOH, back ream f/ 16,085' to 15,737'. RS. TOH w/ drag. No fluid lost or gained.

09/03/2022 16,085' (0'). Operation: TOH. Formation: 60% Lime - 30% Shale – 10% Siltstone. Dev @ 15,999' /16.9°, Azm 158.5°. MW 12.9, Vis 77, PV 47, YP 13, Solids 24%, OWR 65/35, WPS 165K. Bit #14, Size 8 ½", Mfg Ulterra, Type XP713, SN 53341, Jets 3/11's & 4/12's, In @ 15,147', Out @ 16,085', Made 938' in 95 hrs. (Trip 22, BHA 1 ½, RS ½). **Remarks:** Day 63. TOH. LD drlg bha & PU 8 3/8" concave mill & junk basket. TIH. No fluid lost or gained.

09/04/2022 16,085' (0'). Operation: Mill on fish. Formation: 60% Lime - 30% Shale – 10% Siltstone. Dev @ 15,999' /16.9°, Azm 158.5°. MW 12.9, Vis 85, PV 53, YP 14, Solids 24%, OWR 62/38, WPS 151K. (Trip 4 ½, Cut drlg line 1 ½, Work pipe 3, RR 9 ½, Mill 2, Wash/ream 2 ½, Other 1). Remarks: Day 64. TIH to shoe. Cut drlg line. TIH to 15890' & tag fish. Mill on fish f/15890' – 15891'. Work stuck pipe. Rig repair – Top Drive Service Loop. Wash to 16075' pushing fish. Mill on fish @ 16075'. No fluid lost or gained.

09/05/2022 16,085' (0'). Operation: Mill on fish. Formation: 90% Shale - 10% Metal. Dev @ 15,999' /16.9°, Azm 158.5°. MW 12.9, Vis 75, PV 49, YP 19, Solids 24%, OWR 63/37, WPS 158K. (Wash/ream 12, Mill 12). Remarks: Day 65. Wash & ream f/16075' – 16079' pushing fish. Mill on fish f/16079' – 16082'. No fluid lost or gained.

09/06/2022 16,085' (0'). Operation: TOH to replace mill. Formation: 90% Shale - 10% Metal. Dev @ 15,999' /16.9°, Azm 158.5°. MW 12.9, Vis 75, PV 52, YP 13, Solids 23%, OWR 63/37, WPS 148K. (RR 12 ¾, Mill 7 ¼, Circ 1 ½, Trip 2 ½). Remarks: Day 66. Mill on fish f/16082' – 16082.5'. Rig repair – Top Drive Service Loop. Mill on fish f/16082.5' – 16083.4'. Circ btms up. TOH for fresh mill. Lost 30 bbls OBM while milling.

09/07/2022 16,085' (0'). Operation: Rig Repair – Top Drive Service Loop. Formation: 90% Shale - 10% Metal. Dev @ 15,999' /16.9°, Azm 158.5°. MW 12.9, Vis 80, PV 53, YP 14, Solids 25%, OWR 64/36, WPS 152K. (Trip 21 ¼, RR 2 ¼, RS ½). Remarks: Day 67. TOH & replace mill. TIH to 16075'. Rig Repair – Wait on new Top Drive Service Loop. No fluid lost or gained.

09/08/2022 16,085' (0'). Operation: Rig Repair – Top Drive Service Loop. Formation: 90% Shale - 10% Metal. Dev @ 15,999' /16.9°, Azm 158.5°. MW 12.9, Vis 80, PV 48, YP 14, Solids 25%, OWR 60/40, WPS 156K. (RR 24). Remarks: Day 68. Rig repair – remove & replace Top Drive Service Loop. No fluid lost or gained.

09/09/2022 16,085' (0'). Operation: TOH w/Mill #2. Formation: 60% Lime – 30% Shale – 10% Silt. Dev @ 15,999' /16.9°, Azm 158.5°. MW 13.0, Vis 68, PV 42, YP 11, Solids 25%, OWR 60/40, WPS 143K. (RR 5, Mill 11, Trip 7 ½, Circ ½). Remarks: Day 69. Rig repair – remove & replace Top Drive Service Loop. Continue milling f/16083.4' – 16086'. Circ multiple samples to surface indicating no presence of metal in cuttings. TOH. No fluid lost or gained.

09/10/2022 16,088' (3'). Operation: Drlg w/button bit. Formation: 60% Lime – 30% Shale – 10% Silt. Dev @ 15,999' /16.9°, Azm 158.5°. MW 13.0, Vis 70, PV 40, YP 10, Solids 26%, OWR 63/36, WPS 152K. (Ream 4 ½, Drlg 5, Trip 11 ½, BHA 3). Remarks: Day 70. TOH w/ mill. P/U directional BHA, test same. TIH w/ roller cone bit. Wash and ream to bottom f/16057' – 16085'. Drlg f/ 16085' – 16088'. No fluid lost or gained.

09/11/2022 16,089' (1'). Operation: TOH. Formation: 60% Lime – 10% Shale – 20% Silt – 10 Chert. Dev @ 15,999' /16.9°, Azm 158.5°. MW 13.1, Vis 67, PV 40, YP 10, Solids 26%, OWR 64/36, WPS 150K. (Drlg 14 ½, Circ. ½, Trip 8, Other 1). Remarks: Day 71. Drlg f/ 16088' – 16089'. Circ and pump DP slug. TOH f/ BHA. No fluid lost or gained.

09/12/2022 16,089' (1'). Operation: Milling. Formation: 60% Lime – 10% Shale – 20% Silt – 10 Chert. Dev @ 15,999' /16.9°, Azm 158.5°. MW 13.0, Vis 72, PV 43, YP 10, Solids 24%, OWR 65/35, WPS 155K. (Ream 1 ½, Mill 6 ½, Circ. ½, Trip 11 ½, BHA 2, Other 2). Remarks: Day 72. TOH f/ BHA. P/U mill assembly 3, TIH to 11,775'. Slip and cut drlg line. TIH to 16,044'. Fill pipe. Wash and ream to 16,080'. C/O rotating head. Milling f/ 16,080' – 16,086'. No fluid lost or gained.

09/13/2022 16,089' (0'). Operation: TOH. Formation: 20% Lime – 60% Shale – 20 MF. Dev @ 15,999' /16.9°, Azm 158.5°. MW 13.0, Vis 72, PV 43, YP 10, Solids 24%, OWR 65/35, WPS 155K. (Mill 20, Circ. 2 ¼, Trip 1 ¾, RS ¾). Remarks: Day 73. Mill on fish. Build and pump DP slug. TOH w/ mill. Rig Service. No fluid lost or gained.

09/14/2022 16,089' (0'). Operation: TIH. Formation: 20% Lime – 60% Shale – 20 MF. Dev @ 15,999' /16.9°, Azm 158.5°. MW 13.2, Vis 80, PV 42, YP 14, Solids 26%, OWR 65/35, WPS 157K. (Trip 16 ½, BHA 5, RR 2 ½). Remarks: Day 74. TOH w/ mill. Repair top drive. TOH w/ mill. LD mill BHA. PU MWD & whipstock. TIH. No fluid lost or gained.

09/15/2022 16,065' (-24'). Operation: TOH. Formation: 20% Lime – 40% Shale – 10% Silt – 20 MF. Dev @ 15,999' /16.9°, Azm 158.5°. MW 13.2, Vis 80, PV 40, YP 11, Solids 26%, OWR 66/34, WPS 163K. (Trip 13 ½, Drlg 8 ¼, Circ ¼, RR 1, Other 1). Remarks: Day 75. TIH w/ MWD & whipstock. RR-traction motor contactor. TIH. Circ. Orient whipstock & set @16,053', 39° R gravity TF. Drlg off whipstock f/ 16,053' to 16,065'. No fluid lost or gained.

09/16/2022 16,072' (7'). Operation: TIH w/Bit #16. Formation: 70% Lime – 10% Shale – 10% Silt – 10% Chert. Dev @ 15,999' /16.9°, Azm 158.5°. MW 13.4, Vis 78, PV 43, YP 12, Solids 26%, OWR 66/34, WPS 165K. (Drlg 3, BHA 2 ¾, Trip 18 ¼). Remarks: Day 76. Drlg off whipstock f/ 16,065' to 16,072'. TOH. PU dir tools & test. TIH. No fluid lost or gained.

09/17/2022 16,341' (252'). Operation: Drlg w/dir tools. Formation: 60% Lime – 30% Shale – 10% Silt. Dev @ 16,258' /18.6°, Azm 157.6°. MW 13.1, Vis 68, PV 38, YP 13, Solids 25%, OWR 67/33, WPS 186K. Bit #16, Size 8 ½", Mfg Ulterra, Type U813M, SN 45109, Jets 4/13's & 4/17's, In @ 16,072', Made 252' in 19 ½ hrs. (Drlg 19 ½, Trip 3 ½, Other 1). Remarks: Day 77. Drlg w/surveys f/16,072' – 16,341'. No fluid lost or gained.

09/18/2022 16,583' (242'). Operation: Drlg w/dir tools. Formation: 100% Shale. Dev @ 16,473' /13.6°, Azm 151.0°. MW 13.1, Vis 67, PV 38, YP 17, Solids 25%, OWR 69/31, WPS 192K. Bit #16, Size 8 ½", Mfg Ulterra, Type U813M, SN 45109, Jets 4/13's & 4/17's, In @ 16,072', Made 511' in 43 ½ hrs. (Drlg 24). Remarks: Day 78. Drlg w/surveys f/16,341' – 16,583'. Lost 60 bbls mud while drlg.

- 09/19/2022 16,675' (334'). Operation: LDDP. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 13.3, Vis 74, PV 39, YP 18, Solids 26%, OWR 69/31, WPS 196K. Bit #16, Size 8 ½", Mfg Ulterra, Type U813M, SN 45109, Jets 4/13's & 4/17's, In @ 16,072', Made 603' in 49 ½ hrs. (Drlg 6, Circ 3, Trip 4 ¾, LDDP 9 ¾, Other ½). Remarks: Day 79. Drlg w/surveys f/16,583' – 16,675'. TD interval @ 12:00 pm CST @ 16,675' MD. Last survey: 16,611' MD, 16,105' TVD – 8.5° Inc @ 123.4° Azm. Projection to bit: 16,675' MD, 16,168' TVD – 8.25° Inc @ 123.4° Azm. Circ samples to surface & confirm Devonian formation. TOH to shoe. LDDP. Lost 30 bbls mud while tripping.
- 09/20/2022 16,675' (0'). Operation: OH logging. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 13.3, Vis 80, PV 39, YP 18, Solids 26%, OWR 69/31, WPS 196K. Bit #16, Size 8 ½", Mfg Ulterra, Type U813M, SN 45109, Jets 4/13's & 4/17's, In @ 16,072', Out @ 16,675'. Made 603' in 49 ½ hrs. (BHA 2 ¼, Trip 14, Log 7 ¾). Remarks: Day 80. Run OH logs. LDDP. LD directional BHA. PJSM. RU Halliburton WL. Run #1 OH GR, verify 15' Devonian cut below bottom of Woodford. No fluid lost or gained.
- 09/21/2022 16,675' (0'). Operation: OH logging. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 13.5, Vis 80, PV 39, YP 18, Solids 27%, OWR 69/31, WPS 196K. (Log 24). Remarks: Day 81. Run OH logs. No fluid lost or gained.
- 09/22/2022 16,675' (0'). Operation: Run Csg. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 13.5, Vis 80, PV 39, YP 18, Solids 27%, OWR 69/31, WPS 196K. (Log 21, Csg 2 ½, Other ½). Remarks: Day 82. Run OH logs. SICP, pull wear bushing. PJSM. RU csg crew. Run 7" csg. No fluid lost or gained.
- 09/23/2022 16,675' (0'). Operation: Circ. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 12.7, Vis 105, PV 47, YP 21, Solids 25%, OWR 63/37, WPS 164K. (Csg 13 ¼, Circ 1 ¼, Other 9 ½). Remarks: Day 83. Run 7" csg. Circ out gas at shoe. Troubleshoot pressure losses. 80 bbl water contaminated mud sent to bin.
- 09/24/2022 16,675' (0'). Operation: Wait on tools. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 12.7, Vis 105, PV 47, YP 21, Solids 25%, OWR 63/37, WPS 164K. (Csg 7, Circ 3 ½, Other 13 ½). Remarks: Day 84. Reverse circ tracer fluid to isolate tool failure. POOH w/ 7" casing and lay down dv tool. Wait on tools.
- 09/25/2022 16,675' (0'). Operation: Circ gas out w/casing @ 14,030'. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 12.4, Vis 160, PV 80, YP 33, Solids 21%, OWR 49/51, WPS 89K. (Csg 12 ¼, Circ 2 ¾, Other 9). Remarks: Day 85. Wait on new DV tool & ACP. Run csg to 14,030'. Well began flowing. Circ gas out on chokes with csg. Sent 180 bbls water contaminated mud to frac tank.
- 09/26/2022 16,675' (0'). Operation: Squeeze lost zone w/LCM sweeps. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 12.4, Vis 160, PV 80, YP 33, Solids 21%, OWR 49/51, WPS 89K. (Csg 4, Circ 20). Remarks: Day 86. Run csg to 16650' & tag hard btm. PU & circ btms up. Lost circ 14 bbls before getting btms up. Mix & pump heavy lcm sweeps across open hole. Regained 20% returns. SWI & squeeze LCM down

backside. Swap to csg & break circulation. Regained 80% returns. Mix heavy LCM sweep at report time.

09/27/2022 16,675' (0'). Operation: WOC – Stage 1. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 12.5, Vis 165, PV 83, YP 35, Solids 23%, OWR 52/48, WPS 93K. (Wireline 7, Circ 6 ¾, Cmt 6, RU/RD 2 ¼, WOO 2). Remarks: Day 87. Pump heavy LCM sweeps. SWI & squeeze LCM down backside. RU & run wireline GR & temp survey. Confirmed casing shoe within Devonian formation. RU Halliburton cmt. Ran 7" csg as follows:

1	Forum 7" 32# G3 VAM TOP FS	2.21
1	7" 32# G3 VAM TOP Csg PUP	9.60
1	Forum 7" 32# G3 VAM TOP FC	1.83
1	7" 32# G3 VAM TOP Csg PUP	9.60
1	Forum 7" 32# G3 VAM TOP LC	1.13
1	7" 32# G3 VAM TOP Csg PUP	9.60
10	7" 32# G3 VAM TOP Csg	285.29
95	7" 32# ECP110 VAM TOP Csg	4401.40
1	7" 32# ECP110 Contingency Baffle	16.28
2	7" 32# ECP110 VAM TOP Csg	93.62
1	7" 32# ECP110 Halliburton ACP/DV Tool	32.14
253	7" 32# ECP110 VAM TOP Csg	<u>11793.78</u>
	Total Length	16656.86
	Pipe Stretch	22.14
	Less above KB	4.00
	Casing set @	16675.00

09/28/2022 16,675' (0'). Operation: WOC – Stage 1. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 12.1, Vis 168, PV 79, YP 36, Solids 21%, OWR 51/49, WPS 95K. (WOC 16 ¼, Cmt 4, Cir 3 ¾). Remarks: Day 88. Cmt 7" csg as follows.

Held PJSM. Halliburton Cmt 1st stage lead w/2140 sks NeoCem H w/3% Microbond (yld 1.64 cuft/sk @ 12.7 ppg). Tail w/115 sks LockCem H (yld 1.49 cuft/sk @ 13.2 ppg). Displaced w/606 bbl FW, Spacer & OBM. Did not bump plug. Dropped free fall contingency cone & attempt to inflate ACP with no success. Drop free fall DV tool opening bomb & pressured up to 1230 psi to open tool. Circ 65 sks cmt off of DV tool. SWI & WOC for second stage.

09/29/2022 16,675' (0'). Operation: NU BOPE. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 12.2, Vis 160, PV 78, YP 35, Solids 20%, OWR 52/48, WPS 89K. (WOC 13, Cmt 3 ¾, NU/ND 7 ¼). Remarks: Day 89. Cmt 7" csg as follows:

Halliburton Cmt 2nd stage lead w/1360 sks NeoCem H w/3% Microbond (yld 1.491 cuft/sk @ 13.2 ppg). Tail w/240 sks PlugCem H w/ 0.5% CFR-3, 3% KCl, 0.25% HR-601 (yld 0.96 cuft/sk @ 17.5 ppg). Displaced w/425 bbl FW. Bumped plug w/ 4900 psi @ 10:41 PM 9/28/22. Floats held OK, 7 bbl return. Circ 377 sks cmt to surface. RD

cementers. RU Monahans NU crew. ND BOPE. Set slips w/ 390 klbs. NU Vault temporary drilling spool & BOPE.

09/30/2022 16,675' (0'). Operation: NU BOPE. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. MW 12.2, Vis 160, PV 78, YP 35, Solids 20%, OWR 52/48, WPS 89K. (NU/ND 24). Remarks: Day 90. Finish NU Vault temporary drilling spool & test. Test fail. Re-seal and re-torque. Test OK. Change out spacer spools. Finish NU BOPE. Function test BOPE. RU testers. Test casing to 1700 psi start. 1666 psi end. Held OK. Test BOPE to 5000 psi high, 250psi low. Annular BOP fail test. Other tests OK. Start ND flowline, rotating head, spacer spools to change annular sealing element.

10/1/2022 16,675' (0'). Operation: NU BOPE. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. Mud: Stop OBM service, transfer good OBM to Dynamic. (NU/ND 14, RS ½, LDDP 7 ½, Other 2). Remarks: Day 91. RD tester. ND BOPE. RS. ND flowline, rotating head, MPD. CO annular seal element, NU. NU flowline, rotating head, MPD. Cut & slip drill line. LD 5" DP.

10/2/2022 16,675' (0'). Operation: PU 4" DP. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. Mud: Process OBM in pits through centrifuge. Bit #17, Size 5 ⅞", Mfg HTC, Type GT-1 Mill Tooth, SN 5017887, Jets open, In @ 16,675', Made 0' in 0 hrs. (BHA 2 ½, RS ½, RR 1 ¼, LDDP 7, PUDP 9 ¾, Other 3). Remarks: Day 92. LD 5" DP. RS. CO saver sub, grabber box dies, elevators. Install wear bushing. MU bit, PU 4" DC's. PU 4" DP. Install rotating head. PU 4" DP. RR – ST-80 hose. PU 4" DP.

10/3/2022 16,675' (0'). Operation: PU 4" DP. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. Mud: Process OBM in pits through centrifuge. Bit #17, Size 5 ⅞", Mfg HTC, Type GT-1 Mill Tooth, SN 5017887, Jets open, In @ 16,675', Made 0' in 0 hrs. (Circ 2, Test ½, PUDP 15, Other 6 ½). Remarks: Day 93. PU 4" DP. Circ bottoms up at DV tool. Tag DV tool @ 11,792'. Drill DV eqpt to 11,808'. Test csg to 1500 psi for 30 min. Held OK. PU 4" DP. Tag float eqpt @ 16,633'. Drill float eqpt f/ 16,633' to 16,652'.

10/4/2022 16,675' (0'). Operation: Cement Bond Logs. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. Mud: Displaced w/10# brine. Bit #17, Size 5 ⅞", Mfg HTC, Type GT-1 Mill Tooth, SN 5017887, Jets open, In @ 16,675', Out @ 16,675'. Made 0' in 0 hrs. (Circ 7 ½, WL 2 ½, TOH 11, Other 3). Remarks: Day 94. Drill float eqpt f/ 16,652' to 16,658'. Displace OBM w/ FW. Check flow & pressure. Displace w/ 10# brine. TOH f/ logs. WL – Halliburton cement bond logs.

10/5/2022 16,675' (0'). Operation: Cement Bond Logs. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. Mud: Displaced w/10# brine, clean pits. (WL 24). Remarks: Day 95. WL – Halliburton cement bond logs.

10/6/2022 16,675' (0'). Operation: Cement Bond Logs. Formation: 90% Lime – 10% Shale. Dev @ 16,675' /8.5°, Azm 123.4°. Mud: 10 ppg, 29 vis. Pits filled w/ FW. (WL 24). Remarks: Day 96. WL – Halliburton cement bond log. RD WL.

- 10/7/2022 16,905' (230'). Operation: Drlg. Formation: 100% Lime. Dev @ 16,818' /8.4°, Azm 100.2°. Mud: 9.1 ppg, 29 vis, pH 10. Bit #18, Size 5 7/8", Mfg STC, Type Z-6, SN 1561, Jets 1-16, 2-15's, In @ 16,675'. Made 230' in 7 1/4 hrs. (Drlg 7 1/4, BHA 2 1/2, Trip 9 1/2, Other 4 3/4). Remarks: Day 97. PU Directional BHA. TIH. Drlg f/ 16,675' to 16,683'. H2S safety meeting w/ new tour. CO 90 deg flange outlet on MPD rot head. Drlg f/ 16,683' to 16,905'. No fluid lost or gained.
- 10/8/2022 17,720' (815'). Operation: TOH. Formation: 80% Lime -- 20% Dolo. Dev @ 17,662' /9.7°, Azm 83.2°. Mud: 9.1 ppg, 30 vis, pH 10, Cl 85000, Ca 1280. Bit #18, Size 5 7/8", Mfg STC, Type Z-6, SN 1561, Jets 1-16, 2-15's, In @ 16,675'. Made 1045' in 24 1/2 hrs. (Drlg 17, RS 1/2, Circ 1 1/2, Trip 5). Remarks: Day 98. Drlg f/ 16,905' to 17,093'. Slide f/ 17,093' to 17,109'. Drlg f/ 17,109' to 17,437'. RS. Drlg f/ 17,437' to 17,655'. Slide f/ 17,655' to 17,680'. Drlg f/ 17,680' to 17,716'. Circ btms up. TOH. 130 bbl fluid lost.
- 10/9/2022 17,720' (0'). Operation: TIH. Formation: 80% Lime -- 20% Dolo. Dev @ 17,662' /9.7°, Azm 83.2°. Mud: 9.1 ppg, 30 vis, pH 10, Cl 85000, Ca 1280. Bit #18, Size 5 7/8", Mfg STC, Type Z-6, SN 1561, Jets 1-16, 2-15's, In @ 16,675', Out @ 17,720'. Made 1045' in 24 1/2 hrs. Bit #19, Size 5 7/8", Mfg STC, Type MDSI713, SN QF4013, Jets 7-13's, In @ 17,720'. Made 0' in 0 hrs. (Trip 20 1/4, RS 1/2, BHA 2 1/2, Other 3/4). Remarks: Day 99. TOH to 12,350'. RS. TOH to BHA. LD directional BHA. PU directional BHA & test. TIH to 16,498'. CO saver sub. TIH to 17,238'. No fluid lost or gained.
- 10/10/2022 18,170' (450'). Operation: TOH. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. Bit #19, Size 5 7/8", Mfg STC, Type MDSI713, SN QF4013, Jets 7-13's, In @ 17,720', Out @ 18,170'. Made 450' in 9 1/4 hrs. (Drlg 9 1/4, Trip 6, RS 1/2, Ream 4 1/2, Circ 1 3/4, Other 2). Remarks: Day 100. TIH to 17,531'. Ream f/17,531' to 17,625'. LD bad jts DP, re-clamp saver sub. Ream f/17,625' to 17,720'. RS. Drlg f/17,720' to 17,750'. Slide f/17,750' to 17,781'. Drlg f/17,781' to 17,844'. Slide f/17,844' to 17,861'. Drlg f/17,861' to 18,170'. Pump sweep, circ btms up. TOH for logs. 130 bbl fluid lost.
- 10/11/2022 18,170' (0'). Operation: OH WL Logging. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (Trip 8 1/2, BHA 3 1/2, RS 1/2, WL 11 1/2). Remarks: Day 101. TOH for logs. RS. TOH. LD DC's and directional BHA. RU Halliburton WL & log (GR-CNL-DEN-CAL-DLL). No fluid lost or gained.
- 10/12/2022 18,170' (0'). Operation: Circ. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (WL 12, Trip 9, Circ 3). Remarks: Day 102. Halliburton WL OH log (GR-CNL-DEN-CAL-DLL-FMI). PU test packer & TIH to 16,645'. Circ @ 2.7 bbl/min. No fluid lost or gained.
- 10/13/2022 18,170' (0'). Operation: Circ, cut & slip drill line. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (Acid 12 1/4, Circ 4 3/4, WOO 4, Other 3). Remarks: Day 103. Attempt to set test packer-no set. WOO. RU Cudd & pump 40,000 gal 15% HCl. RD Cudd. Pump 180 bbl 10# brine down DP. Pump 420 bbl brine down backside. Cut & slip. No fluid lost or gained.

- 10/14/2022 18,170' (0'). Operation: LDDP. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (LDDP 19 ½, RS ½, Circ 2 ½, Other 1 ½). Remarks: Day 104. Cut & slip drill line while pump & monitor pressure drop to 0 psi. RS. Flow check, fill trip tank. LDDP. No fluid lost or gained.
- 10/15/2022 18,170' (0'). Operation: Wireline. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (LDDP 5 ½, RS ½, WOO 6 ½, BHA ½, WL 11). Remarks: Day 105. LDDP. LD test packer. LDDP. RS. WL RIH w/ 5.92" JBGR. Tag DV tool. WO braided line truck. RU & RIH w/ 5.97" watermelon mill. Stuck & 13,265'. Work jars. WO mechanic to repair braided line truck. No fluid lost or gained.
- 10/16/2022 18,170' (0'). Operation: Wireline Permanent Packer. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (WOO 16 ½, WL 7 ½). Remarks: Day 106. WO mechanic to repair braided line truck. POH w/braided line (broken truck). WO new braided line truck. RIH w/5.75" & 5.875" GR, clear to btm. RIH w/Halliburton permanent packer. No fluid lost or gained.
- 10/17/2022 18,170' (0'). Operation: NU Completion BOPE. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (WL 6, NU/ND 18). Remarks: Day 107. Set Halliburton permanent packer @ 16,626'. RD WL. ND rig BOPE, NU tubing spool & completion BOPE. No fluid lost or gained.
- 10/18/2022 18,170' (0'). Operation: RIH w/ 3.5" tubing. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (NU/ND 7, Tubing 17). Remarks: Day 108. NU completion BOPE. PJSM. RIH w/ 3.5" injection tubing, seal assy, gauges, comm cable. Internal He pressure test each connection. Clamp cable each connection. No fluid lost or gained.
- 10/19/2022 18,170' (0'). Operation: RIH w/ 3.5" tubing. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (Tubing 24). Remarks: Day 109. RIH w/ 3.5" injection tubing, seal assy, gauges, comm cable. Internal He pressure test each connection. Clamp cable each connection. No fluid lost or gained.
- 10/20/2022 18,170' (0'). Operation: Attempt to sting into packer. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. Mud: 9.1 ppg, 30 vis, pH 10. (Tubing 20, Pkr 4). Remarks: Day 110. RIH w/ 3.5" injection tubing, seal assy, gauges, comm cable. Internal He pressure test each connection. Clamp cable each connection. Tag top of pkr w/jt 534. Attempt to sting into packer to space out. Could not sting into packer. Work tubing & seal assembly in attempt to sting into packer @ report time. No fluid lost or gained.

10/21/2022 18,170' (0'). Operation: RD Frontier Drilling #32. Formation: 50% Lime -- 50% Dolo. Dev @ 18,113' /9.2°, Azm 70.5°. (Tubing 11 ½, Circ 4 ½, NU/ND 2 ½, RD 2, Other 3 ½).
Remarks: Day 111. Work tubing string, sting into packer, test & space out. Sting out, circ 667 bbl diesel packer fluid w/ additives. Install pup joint, tubing hanger, plumb SSSV & gauges. Land tubing w/ 40 klbs compression. ND production BOP, NU wellhead. Initial MIT. Start pressure 760 psi, end pressure 760 psi, hold for 33 min. RD Halliburton, casing crew, tubing testers. RD rig pumps. Rig released @ 6:00 am 10/21.

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

CONDITIONS

Action 178791

CONDITIONS

Operator: Pinon Midstream LLC 465 W. NM Highway 128 Jal, NM 88252	OGRID: 330718
	Action Number: 178791
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	7/17/2023