

| | | |
|--|--|---|
| Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/ | State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION | C-104 Revised July 9, 2024 Submit Electronically Via OCD Permitting |
|--|--|---|

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Section 1 - Operator and Well Information

| | |
|--|--------------------------|
| Submittal Type: <input type="checkbox"/> Test Allowable (C-104RT) <input type="checkbox"/> New Well (C-104NW) <input checked="" type="checkbox"/> Recomplete (C-104RC) <input type="checkbox"/> Pay Add (C-104RC) <input type="checkbox"/> Amended | |
| Operator Name: Hilcorp Energy Company | OGRID: 372171 |
| Property Name and Well Number: HELMS FEDERAL 1E | Property Code: 318554 |
| Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal | API Number: 30-045-25047 |
| Pool Name: Basin Fruitland Coal | Pool Code: 71629 |

Section 2 – Surface Location

| UL D | Section 22 | Township 030N | Range 10W | Lot 4 | Ft. from N/S 805 North | Ft. from E/W 790 West | Latitude 36.80286 | Longitude -107.87753 | County San Juan |
|---------|---------------|------------------|--------------|----------|---------------------------|--------------------------|----------------------|-------------------------|--------------------|
|---------|---------------|------------------|--------------|----------|---------------------------|--------------------------|----------------------|-------------------------|--------------------|

Section 3 – Completion Information

| | | | |
|-----------------------------|-------------------------|------------------------------------|-------------------------------------|
| Producing Method Flowing | Ready Date 8/21/2024 | Perforations MD 2,667' – 2,887' | Perforations TVD 2,667' – 2,887' |
|-----------------------------|-------------------------|------------------------------------|-------------------------------------|

Section 4 – Action IDs for Submissions and Order Numbers

| | |
|---|---|
| List Action IDs for Drilling Sundries | Was an Order required / needed (Y/N), if yes list Order number: |
| C-104 RT Action ID (if C-104NW): N/A | Communitization Agreement <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No. |
| Surface Casing Action ID: Previous to system | Unit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No. |
| Intermediate 1 Casing Action ID: Previous to system | Compulsory Pooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No. |
| Intermediate 2 Casing Action ID: Previous to system | Down Hole Commingling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. Pending |
| Production Casing Action ID: Previous to system | Surface Commingling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No. |
| All casing was pressure tested in accordance with NMAC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Non-standard Location: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Common ownership Order No. |
| Liner 1 Action ID: Previous to system | Non-standard Proration: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No. |
| Casing was installed prior to OCD's Action ID system (Y/N): Y | Simultaneous Dedication: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No. |

Section 5 - Operator Signature and Certification

| | |
|--|----------------|
| <input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion. | |
| <input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion. | |
| <input checked="" type="checkbox"/> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. | |
| Name Cherylene Weston | |
| Title: Cherylene Weston, Operations Regulatory Tech Sr. | Date: 9/4/2024 |

Cheryl Weston

From: Kade, Matthew H <mkade@blm.gov>
Sent: Tuesday, September 3, 2024 8:30 AM
To: Cheryl Weston
Subject: Re: [EXTERNAL] Helms Federal 1E - FRC Completion WCR ID 92809

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Good morning,

The BLM on August 28, 2024, ACCEPTED FOR THE RECORD Well Completion Report ID 92809 for the Helms 1E (API#30-045-25047).

Thanks,
Matthew Kade
Petroleum Engineer
BLM - Farmington Field Office
6251 College Blvd
Farmington, NM 87402
Office: (505) 564-7736

From: Cheryl Weston <cweston@hilcorp.com>
Sent: Thursday, August 29, 2024 9:11 AM
To: Kade, Matthew H <mkade@blm.gov>
Subject: [EXTERNAL] Helms Federal 1E - FRC Completion WCR ID 92809

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Matthew,

Good morning. I did not receive a submittal email confirmation and an approval notification of the above well completion report. Would you please confirm the BLM's acceptance?

Thanks,

Cheryl Weston
San Juan Operations/Regulatory Tech-Sr.
1111 Travis Street | Houston, TX 77002
Ofc: 713.289.2615 | cweston@hilcorp.com



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,

Other: RECOMPLETE

2. Name of Operator

Hilcorp Energy Company

3. Address

382 Rd 3100, Aztec NM 87410

3a. Phone No. (include area code)

(505) 333-1700

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Unit D (NWNW), 805' FNL & 790' FWL

At top prod. Interval reported below

Same as above

At total depth

Same as above

14. Date Spudded

5/28/1981

15. Date T.D. Reached

6/13/1981

16. Date Completed

8/21/2024

☐ D & A☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

6,276'

18. Total Depth:

7,525'

19. Plug Back T.D.:

7,449'

20. Depth Bridge Plug Set:

MD

3,657'

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit report)Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement top* | Amount Pulled |
|-----------|-------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12 1/4" | 8 5/8" H-40 | 24# | 0 | 273' | n/a | 200 sx | | | |
| 7 7/8" | 4 1/2" K-55 | 10.5# | 0 | 7,525' | n/a | 700 sx | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2 3/8" | 2,888' | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------------|--------|--------|---------------------|-------|-----------|--------------|
| A) Fruitland Coal | 2,667' | 2,887' | 4 SPF | 0.44" | 248 | open |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |
| TOTAL | | | | | 248 | |

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 2667-2887 | Frac FRC @ 50 bpm w/ 7,831# mesh sand, 96,815# 40/70 sand, 1,178 bbl slickwater & 1.4M SCF N2 70 Q |
| - | |
| - | |

28. Production - Interval A

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 8/21/2024 | 8/21/2024 | 4 hrs | ➡ | 0 | 160 | 0 | n/a | n/a | Flowing |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| 25/64" | 280 psi | 220 psi | ➡ | 0 | 72 | 0 | n/a | Producing | |

28a. Production - Interval B

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | ➡ | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| | | | ➡ | | | | | | |

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

| | | | | | | | | | |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| | | | ➡ | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| | | | ➡ | | | | | | |

28c. Production - Interval D

| | | | | | | | | | |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| | | | ➡ | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| | | | ➡ | | | | | | |

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|----------------------|--------|--------|--|----------------------|--------------------|
| Ojo Alamo | 1,695' | 1695' | White, cr-gr ss | Ojo Alamo | 1,695' |
| Kirtland | | | Gry sh interbedded w/tight, gry, fine-gr ss. | Kirtland | |
| Fruitland | 2,487' | 2910' | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss. | Fruitland | 2,487' |
| Pictured Cliffs | 2,910' | | Bn-Gry, fine grn, tight ss. | Pictured Cliffs | 2,910' |
| Lewis | | | Shale w/ siltstone stingers | Lewis | |
| Huerfanito Bentonite | | | White, waxy chalky bentonite | Huerfanito Bentonite | |
| Chacra | 3,705' | 4480' | Gry fn grn silty, glauconitic sd stone w/ drk gry shale | Chacra | 3,705' |
| Cliff House | 4,480' | | Light gry, med-fine gr ss, carb sh & coal | Cliff House | 4,480' |
| Menefee | | 5190' | Med-dark gry, fine gr ss, carb sh & coal | Menefee | |
| Point Lookout | 5,190' | | Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation | Point Lookout | 5,190' |
| Mancos | | | Dark gry carb sh. | Mancos | |
| Gallup | 6,405' | 7200' | Lt. gry to brn calc carb micac glucac silts & very fine gry gry ss w/ irreg. interbed sh. | Gallup | 6,405' |
| Greenhorn | 7,200' | | Highly calc gry sh w/ thin lmst. | Greenhorn | 7,200' |
| Graneros | | 7245' | Dk gry shale, fossil & carb w/ pyrite incl. | Graneros | |
| Dakota | 7,245' | | Lt to dark gry foss carb sl calc slitty ss w/ pyrite incl thin sh bands cly Y shale breaks | Dakota | 7,245' |
| Morrison | | | Interbed grn, brn & red waxy sh & fine to coard grn ss | Morrison | |

32. Additional remarks (include plugging procedure):

This well is currently producing as a standalone Fruitland Coal, pending DHC approval.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.)☐ Geologic Report☐ DST Report☐ Directional Survey

☐ Sundry Notice for plugging and cement verification☐ Core Analysis☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

Cherylene Weston

Title

Operations/Regulatory Technician

Signature

Cherylene Weston

Date

8/27/2024

| | | |
|-----------------------------------|---|--|
| Well Name: HELMS | Well Location: T30N / R10W / SEC 22 / NWNW / 36.80286 / -107.87753 | County or Parish/State: SAN JUAN / NM |
| Well Number: 1E | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMNM0555078 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 3004525047 | Operator: HILCORP ENERGY COMPANY | |

Subsequent Report

Sundry ID: 2808717

Type of Submission: Subsequent Report

Type of Action: Recompletion

Date Sundry Submitted: 08/27/2024

Time Sundry Submitted: 02:00

Date Operation Actually Began: 07/23/2024

Actual Procedure: The subject well was recompleted in the Fruitland Coal and is currently producing as a standalone FRC pending DHC approval. The existing MV/DK are isolated.

SR Attachments

Actual Procedure

Helms_Federal_1E_RC_Sundry_20240827135950.pdf

Well Name: HELMS

Well Location: T30N / R10W / SEC 22 /
NWNW / 36.80286 / -107.87753

County or Parish/State: SAN
JUAN / NM

Well Number: 1E

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMNM0555078

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004525047

Operator: HILCORP ENERGY
COMPANY

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CHERYLENE WESTON

Signed on: AUG 27, 2024 02:00 PM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Tech - Sr

Street Address: 1111 TRAVIS STREET

City: HOUSTON

State: TX

Phone: (713) 289-2615

Email address: CWESTON@HILCORP.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Accepted

Disposition Date: 08/28/2024

Signature: Matthew Kade



Well Operations Summary L48

Well Name: HELMS FEDERAL #1E

API: 3004525047

Field: BLANCO MESAVERDE (PRORATED GAS

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: BWD 105

Jobs

Actual Start Date: 7/23/2024

End Date:

Report Number
1Report Start Date
7/23/2024Report End Date
7/23/2024

Operation

PJSM DISCUSS MOVING EQUIPMENT, MOVE RIG FROM THE ZACHRY 29 TO WELLSITE, SPOT EQUIPMENT

SLICKLINE RETRIEVE PLUNGER AND STANDING VALVE, NO FLUID TAG, TAG FILL @ 7430' GL WLM, SPOT EQUIPMENT RIG UP, BDW 5 MIN

NIPPLE DOWN WELLHEAD, NU BOPE, PSI/FCTN TEST, GOOD

RIG UP FLOOR, PULL TUBING HANGER, RIG UP PREMIER NDT

TRIP OUT OF HOLE WHILE SCANNING, DOWNGRADE 2 TO REDBAND DUE TO PITTING AND CORROSION, DOWNGRADE 3 4 JOINTS TO GREENBAND DUE TO PITTING AND CORROSION, DOWNGRADE 10 JTS TO BLUEBAND DUE TO PITTING AND EROSION, RIG DOWN PREMIER

SHUT IN SECURE WELL FOR NIGHT

Report Number
2Report Start Date
7/24/2024Report End Date
7/24/2024

Operation

GATHER RIG SUPPLIES, TRAVEL FROM YARD TO WELLSITE

PRE JOB SAFETY MEETING, DISCUSS TRIPPING AND LAYING DOWN PIPE, BRADENHEAD 0 PSI, CASING 90 PSI, TUBING OUT OF HOLE, BD 5 MIN

PICK UP 3-7/8" BIT, 3-7/8" STRING MILL WITH X-OVER, KILL WELL WITH 10 BBLs WATER, TRIP IN HOLE TO 3704', NO TIGHT SPOTS OR ISSUES

TRIP OUT OF HOLE, KILL WELL 10 BBLs WATER, LD BIT, STRING MILL AND X-OVER, PICK UP CIBP

TRIP IN HOLE, SET CIBP @ 3650'

ROLL HOLE WITH FRESH WATER, ATTEMPT TO PRESSURE TEST TO 560 PSI, DROPPING 40 PSI EVERY 5 MINUTES, NO VISUAL LEAKAGE AT SURFACE

TRIP OUT OF HOLE WITH CIBP RUNNING TOOL

TRIP IN HOLE WITH PACKER, SET 15' BELOW DV TOOL IN 4-1/2" CASING, PRESSURE UP 540 PSI BELOW PACKER THROUGH TUBING, LOSING 1.25 PSI/MIN, PUMP DOWN CASING BY TUBING ANNULUS, LOSING 1.25 PSI/MINUTE

TRIP IN TO 15' ABOVE CIBP, SET PACKER

ATTEMPT TO PRESSURE TEST BELOW PACKER, LOSING 1 PSI/MIN, TEST ABOVE PACKER LOSING 5 PSI/MINUTE

RELEASE PACKER, SECURE WELL FOR NIGHT

Report Number
3Report Start Date
7/25/2024Report End Date
7/25/2024

Operation

GATHER RIG SUPPLIES, TRAVEL FROM YARD TO WELLSITE

PRE JOB SAFETY MEETING, DISCUSSED WORKING WITH PRESSURE, TRIPPING TUBING, RECORD WELLHEAD PRE3SSURES, BRADENHEAD 0 PS, CASING 0 PSI, TUBING 0 PSI, BD 0 MINUTES

PICK UP 10' PUP JOINTS, TAG TOP OF CIBP @ 3657' SET PACKER, TEST 515 PSI TEST 30 MIN GOOD, TEST DOWN CASING 490 PSI LOSE 25# 30 MIN, MOVE PACKER UP HOLE TO 3037', TEST CASING BY TUBING ANNULUS UP HOLE, 518 PSI 30 MIN, GOOD TEST, MOVE PACKER TO 3054', PUMP DOWN TBG 550 PSI, LOSE 30# 20 MIN, DOWN CASING TO SURFACE 510 PSI LOSE 3# 10 MIN, RELEASE PACKER TEST CASING/TUBING 510 PSI, LOSE 20 PSI 30 MIN

STATE REP EILEEN MEDRANO WITH NMOCD ARRIVED, PERFORM BRADENHEAD TEST, GOOD TEST, PERFORM MIT 13:30 TO 14:00 LOSS 30 PSI, STATE REP PASSED THE TEST

LAY DOWN TUBING, LAY DOWN PACKER

SHUT IN SECURE WELL FOR EVENING

TRAVEL FROM WELLSITE TO HILCORP YARD

Report Number
4Report Start Date
7/26/2024Report End Date
7/26/2024

Operation

GATHER RIG SUPPLIES, TRAVEL FROM HILCORP YARD TO WELLSITE

PRE JOB SAFETY MEETING, DISCUSS RIGGING UP WIRELINE EQUIPMENT, RIGGING DOWN FLOOR AND NIPPLE DOWN BOPE, BRADENHEAD 0 PSI, CASING 0 PSI, TUBING N/A, BD 0 MINUTES

RIG UP THE WIRELINE GROUP, RUN AND SET CBP @ 3019', RUN CNL LOG FROM 3018' TO 2400', RIG DOWN LOGGERS

NIPPLE DOWN BOPE, REMOVE B-SECTION SPOOL(TUBING SPOOL), NIPPLE UP B-SECTION SPOOL

PRESSURE TEST B-SECTION VOID 1500 PSI GOOD, TUBING SPOOL, PRESSURE TO 1000 1 MINUTES, PRESSURE 1250 PSI 1 MINUTES, TEST 1350 PSI 1 MINUTES GOOD TEST, PRESSURE 2500 PSI 1 MINUTES, TEST GOOD, TEST 3000 PSI 1 MINUTES, GOOD TEST, ATTEMPT TO TEST 4000 PSI, FAIL, CHECK ALL UNIONS, FLANGES NO LEAKAGE AT SURFACE, PRESSURE TEST FAIL, PRESSURE TO 4000 LET BLEED DOWN, BLEED DOWN TO 150 PSI STOPPED DROPPING

NIPPLE UP BOPE, FT, RIG UP FLOOR

SHUT IN SECURE WELL, DEBRIEF CREW

TRAVEL TO YARD

Report Number
5Report Start Date
7/30/2024Report End Date
7/30/2024

Operation

CREW TRAVELED TO LOCATION.

HELD PRE JOB SAFETY MEETING. BDW.

P/U 4-1/2" AS1-X. TALLY AND P/U TUBING TO 1200'. SET PACKER.

| | | |
|---|--------------------------------|------------------------------|
| <div><div>Hilcorp Energy Company</div><div>Well Operations Summary L48</div></div> | | |
| Well Name: HELMS FEDERAL #1E | | |
| API: 3004525047 Field: BLANCO MESAVERDE (PRORATED GAS) State: NEW MEXICO | | |
| Sundry #: Rig/Service: BWD 105 | | |
| Operation | | |
| PRESSURE TEST CASING TO 560 PSI FROM 0' TO 1200'. GOOD TEST. RELEASED PACKER. | | |
| TALLY AND P/U TUBING TO 2047'. SET PACKER. | | |
| PRESSURE TEST CASING TO 560 PSI FROM 0' TO 2047'. GOOD TEST. RELEASED PACKER. | | |
| TALLY AND P/U TUBING TO 2641'. SET PACKER. | | |
| PRESSURE TEST CASING TO 560 PSI FROM 0' TO 2892'. GOOD TEST. RELEASED PACKER. PRESSURE TEST CASING TO 560 PSI FROM 0' TO 3018' (CBP). GOOD TEST. CALLED IN FINDINGS TO ENGINEER. | | |
| TALLY AND P/U TUBING. TAG CBP AT 3018'. GOOD. L/D TUBING. L/D 4-1/2" AS1-X. | | |
| X/O HANDLING TOOLS AND PIPE RAMS TO 2-7/8" | | |
| SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN. | | |
| CREW TRAVELED HOME. | | |
| Report Number 6 | Report Start Date 7/31/2024 | Report End Date 7/31/2024 |
| Operation | | |
| CREW TRAVELED TO LOCATION. | | |
| HELD PRE JOB SAFETY MEETING. | | |
| R/U THE WIRELINE GROUP. | | |
| PERF FRC INTERVAL WITH 248 SHOTS, 0.44" DIA, 3-1/8" RTG GUN, SELECT FIRE 4 SPF 90 DEGREE PHASING AT 2667'-2672', 2684'-2689', 2730'-2770', 2827'-2829', 2877'-2887'. | | |
| ALL SHOTS FIRED. | | |
| POH. | | |
| R/D THE WIRELINE GROUP. R/U WILSON SERVICES. | | |
| P/U 4-1/2" X 2-3/8" ASI-X PACKER. TALLY AND P/U 2-7/8" RTS-8 FRAC STRING (HYDRO TESTING TO 8000 PSI). R/D WILSON SERV. SET PACKER WITH 10K COMPRESSION. PACKER AT 2400'. | | |
| PRESSURE TEST CASING TO 500 PSI (GOOD). PUMP 40 BBLS AT 3 BPM DOWN TUBING AND MONITOR CASING PRESSURE (GOOD). | | |
| N/D BOP. R/D FLOOR. N/U FRAC STACK. PT FRAC STACK TO 8000 PSI (GOOD). | | |
| R/D UNIT. PREP FOR RIG MOVE IN THE MORNING. RIG RELEASE TO THE TINKER #2-9 SWD. | | |
| CREW TRAVELED HOME. | | |
| Report Number 7 | Report Start Date 8/15/2024 | Report End Date 8/15/2024 |
| Operation | | |
| MOVE IN SPOT AND R/U GORE N2 EQUIPMENT. | | |
| COOL DOWN. PRIME EQUIPMENT. PRESSURE TEST FLUID LINES TO 7800 PSI. GOOD TEST. PRESSURE TEST N2 LINES TO 7800 PSI. GOOD TEST. | | |
| HELD PRE JOB SAFETY MEETING WITH ALL PERSONAL ON LOCATION. | | |
| FRUITLAND COAL STIMULATION: (2667' TO 2887') | | |
| FRAC AT 50 BPM W/ 70Q N2 FOAM. | | |
| TOTAL LOAD: 1,202 BBLS | | |
| SLICKWATER: 1,178 BBLS | | |
| TOTAL ACID: 24 BBLS | | |
| TOTAL 100 MESH SAND: 7,831 LBS | | |
| TOTAL 40/70 SAND: 96,815 LBS | | |
| TOTAL N2: 1,417,000 SCF | | |
| AVERAGE RATE: 50.1 BPM | | |
| MAX RATE: 51.0 BPM | | |
| AVERAGE PRESSURE: 3,117 PSI | | |
| MAX PRESSURE: 4,063 PSI | | |
| MAX SAND CONC: 2.25 PPG DOWNHOLE. | | |
| ISIP: 948 PSI | | |
| 5 MIN: 761 PSI | | |
| DROPPED (106) 7/8" RCN BALLS IN MIDDLE OF THE EACH SAND STAGE. NO PRESSURE RESPONSE SEEN AFTER BOTH DROPS. | | |
| SHUT IN WELL. SECURED LOCATION. | | |
| RIG DOWN FRAC AND N2 EQUIPMENT. | | |
| Report Number 8 | Report Start Date 8/17/2024 | Report End Date 8/17/2024 |
| Operation | | |
| GATHER RIG SUPPLIES, TRAVEL FROM HILCORP YARD TO THE GONSALES STATE COM 1N | | |
| PRE JOB SAFETY MEETING, DISCUSSED WORKING AROUND LOADING AND MOVING TRUCKS, LOCATION OF PINCH POINTS | | |
| LOAD OUT AND MOVE RIG FROM THE GONSALES TO WELLSITE, SPOT EQUIPMENT | | |
| RIG UP DERRICK AND PUMP EQUIPMENT, RECORD WELLHEAD PRESSURES, BRADENHEAD 0 PSI, INTERMEDIATE CASING 0 PSI, FRAC STRING 900 PSI, BD 20 MIN | | |
| KILL TUBING, NIPPLE DOWN FRAC STACK, NU BOPE, PRESSURE TEST BOPE PIPE RAMS 250 PSI LOW 5 MINUTES, 2500 PSI HIGH 10 MINUTES, GOOD TEST, PRESSURE TEST BOP BLIND RAMS 250 PSI LOW 5 MINUTES, 2500 PSI HIGH 10 MINUTES | | |
| PULL TUBING HANGER TO RIG FLOOR, LUBRICATE TWC OUT | | |
| www.peloton.com | | |
| Page 2/3 | | |
| Report Printed: 8/20/2024 | | |



Well Operations Summary L48

Well Name: HELMS FEDERAL #1E

| | | |
|-----------------|--|----------------------|
| API: 3004525047 | Field: BLANCO MESAVERDE (PRORATED GAS) | State: NEW MEXICO |
| | Sundry #: | Rig/Service: BWD 105 |

Operation

KILL TUBING WITH FRESH WATER
LAY DOWN 2-7/8" FRAC STRING AND PACKER TOOLS

| | | |
|--------------------|--------------------------------|------------------------------|
| Report Number 9 | Report Start Date 8/18/2024 | Report End Date 8/18/2024 |
|--------------------|--------------------------------|------------------------------|

Operation

CREW TRAVEL TO LOCATION.
HELD PJSM WITH RIG CREW ON TODAY'S OPERATIONS. BDW. LET WELL UNLOAD.

SITP: N/A
SICP: 640 PSI
SIBHP: 0 PSI
BDW: 45 MIN

BULLHEAD 30 BBL FRESH WATER. P/U 3-7/8" JUNK MILL. TALLY AND P/U 3-1/8" DRILL COLLARS.
BHA AS FOLLOWS:
3-7/8" JUNK MILL (2.10')
BIT SUB (2.00", 3.25"OD)
DC 1 (30.61',3.000 OD)
DC 2 (30.09',3.110 OD)
DC 3 (30.74',2.990 OD)
DC 4 (30.00',3.145 OD)
DC 5 (29.78',3.100 OD)
DC 6 (29.63',3.115 OD)
X-OVER (0.30')

TALLY AND P/U 2-3/8" TUBING. TAG FILL ON TOP OF PLUG #1 AT 2994' (24' FILL).
P/U AND R/U POWER SWIVEL. R/U AIR UNIT. PT LINES (GOOD)

KI AIR. UNLOAD WELL.
EST CIRC W/ AIR/FOAM UNIT.
WITH 1350 CFM & 12 BBL/HR WATER. 1 GAL/HR SOAP & 1 GAL/HR INHIBITOR. C/O SAND AND RCN BALLS TO 3018'. **DRILL PLUG #1 (CBP) AT 3018'**. P/U TBG W/ SWIVEL TO 3108' (NO TAG).
PUMP SWEEPS. CIRC WELL CLEAN. KILL TBG. RACK BACK SWIVEL.

TOOH W/ ALL TUBING. L/D 3-1/8" DC. L/D 3-7/8" JUNK MILL.
P/U PRODUCTION BHA. **TIH W/ TUBING** (DRIFTING).

P/U TUBING HANGER
LAND TUBING AS FOLLOWS:

TUBING HANGER
1 - JTS 2-3/8" J-55 YELLOW TUBING (31.36')
2 - 2-3/8" J-55 PUP JOINTS (18.24')
89 -JTS 2-3/8" J-55 YELLOW TUBING (2790.53')
1 - 2-3/8" X 2' J-55 PUP JOINT (2.10')
1 - JTS 2-3/8" J-55 YELLOW TUBING (31.40')
1 - SEAT NIPPLE (1.78" ID)
1 - EXP CHECK

PBTD - 7449'
CIBP - 3657'
EOT - 2888.33'
SEAT NIPPLE TOP - 2886.63'
KB - 12'

L/D POWER SWIVEL. R/D FLOOR. N/D BOP. N/U WELL HEAD. PUMP 3 BBLS WATER W/ 5 GAL INHIBITOR DOWN TUBING. PRESSURE TEST TUBING WITH AIR TO 500 PSI (GOOD). PUMPED OFF EXPENDABLE PLUG AT 950 PSI. UNLOAD AND SHUT IN WELL.

R/D HEC #105. PREP FOR RIG MOVE. R/D AIR. CREW TRAVEL HOME. RIG RELEASED TO THE LITTLE STINKER #3 ON 8/18/2024 AT 20:30. JOB COMPLETEE.

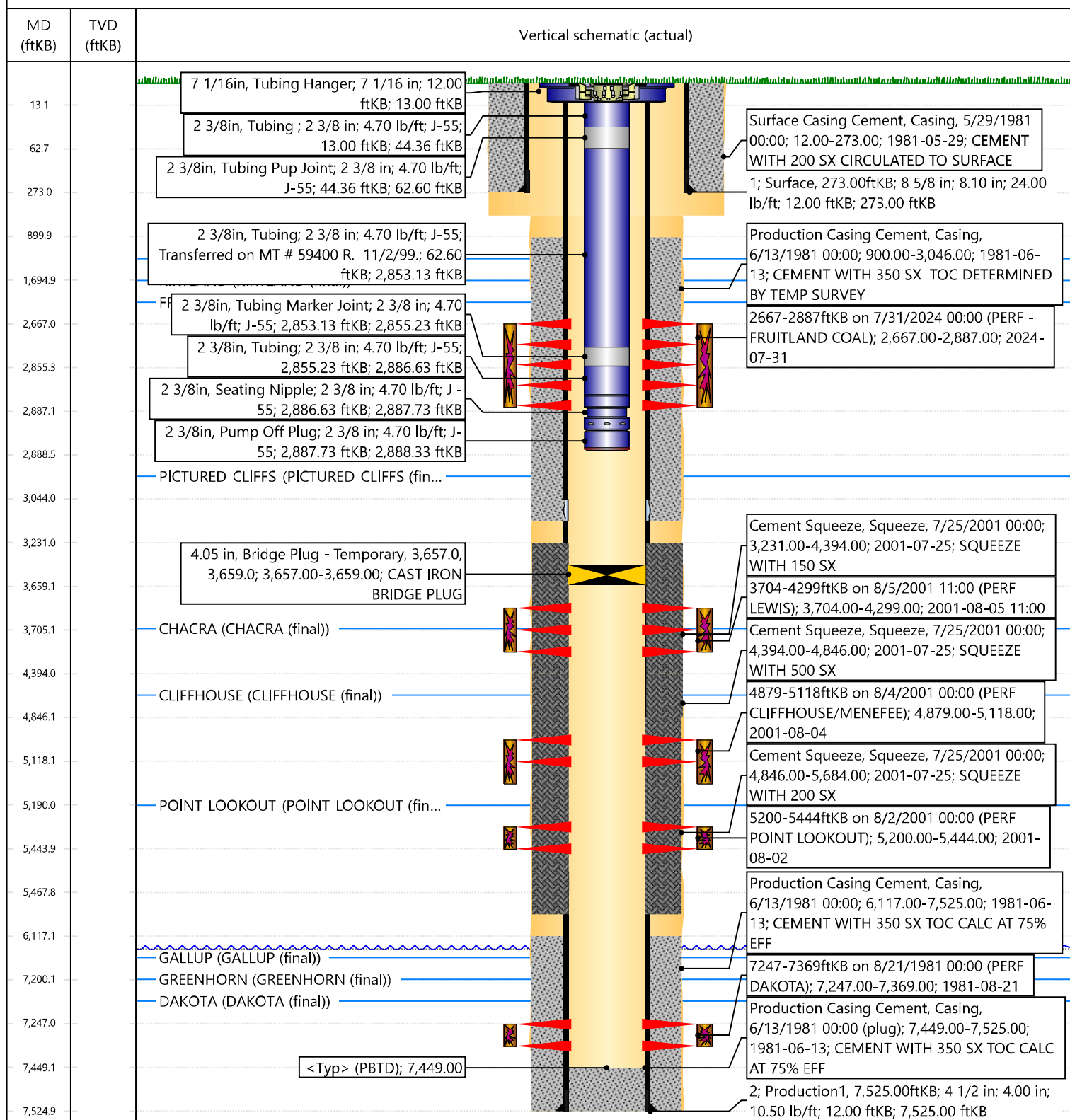


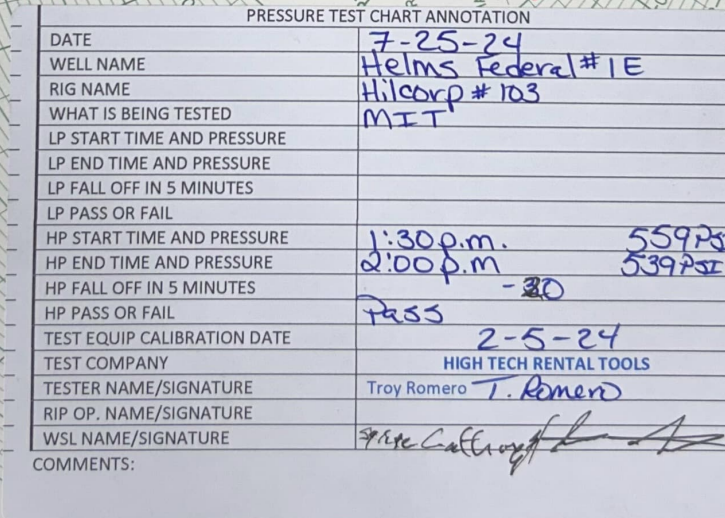
Current Schematic - Version 3

Well Name: HELMS FEDERAL #1E

| | | | | | |
|-----------------------------------|---|---|------------------------------------|--------------------------------|---------------------------------------|
| API / UWI 3004525047 | Surface Legal Location 022-030N-010W-D | Field Name BLANCO MESAVERDE (PRORATED GAS) | Route 0305 | State/Province NEW MEXICO | Well Configuration Type VERTICAL |
| Ground Elevation (ft) 6,276.00 | Original KB/RT Elevation (ft) 6,288.00 | Tubing Hanger Elevation (ft) | RKB to GL (ft) 12.00 | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) |
| Tubing Strings | | | | | |
| Run Date 8/18/2024 17:00 | Set Depth (ftKB) 2,888.33 | String Max Nominal OD (in) 2 3/8 | String Min Nominal ID (in) 2.00 | Weight/Length (lb/ft) 4.70 | Original Spud Date 5/28/1981 00:00 |

Original Hole [VERTICAL]





Cheryl Weston

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Tuesday, July 30, 2024 5:31 PM
To: Rennick, Kenneth G; Jackson Lancaster
Cc: Jose Morales; Austin Harrison; Lisa Helper; Trey Misuraca; Hayden Moser; Cheryl Weston
Subject: RE: [EXTERNAL] Perforation Request: Helms Federal 1E

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

NMOCD approves to continue with recomplete in Fruitland Coal formation through perforations from 2638 to 2911.

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
Cell Phone: 505-320-0243
Email - monica.kuehling@emnrd.nm.gov

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Tuesday, July 30, 2024 3:20 PM
To: Jackson Lancaster <Jackson.Lancaster@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Cc: Jose Morales <jomorales@hilcorp.com>; Austin Harrison <aharrison@hilcorp.com>; Lisa Helper <lhelper@hilcorp.com>; Trey Misuraca <Trey.Misuraca@hilcorp.com>; Hayden Moser <Hayden.Moser@hilcorp.com>; Cheryl Weston <cweston@hilcorp.com>
Subject: Re: [EXTERNAL] Perforation Request: Helms Federal 1E

The BLM finds the proposed perforations appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
Farmington Field Office
6251 College Blvd
Farmington, NM 87402

Email: krennick@blm.gov
Mobile & Text: 505.497.0019

From: Jackson Lancaster <Jackson.Lancaster@hilcorp.com>
Sent: Tuesday, July 30, 2024 3:10 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>
Cc: Jose Morales <jomorales@hilcorp.com>; Austin Harrison <aharrison@hilcorp.com>; Lisa Helper <lhelper@hilcorp.com>;
Trey Misuraca <Trey.Misuraca@hilcorp.com>; Hayden Moser <Hayden.Moser@hilcorp.com>; Cheryl Weston
<cweston@hilcorp.com>
Subject: [EXTERNAL] Perforation Request: Helms Federal 1E

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Monica/Kenny,

Please see the attached CBL and MIT for the Helms Federal 1E. We would like to request permission to perforate this well within our approved NOI 2,638'-2,911'.

Thanks,

Jackson Lancaster
SJN Ops Engineer
Hilcorp Energy Company
Office: 713-289-2629
Cell: 432-413-4109

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

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

ACKNOWLEDGMENTS

Action 384594

ACKNOWLEDGMENTS

| | |
|--|--|
| Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002 | OGRID: 372171 |
| | Action Number: 384594 |
| | Action Type: [C-104] Completion Packet - New Well (C-104NW) |

ACKNOWLEDGMENTS

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion. |
| <input checked="" type="checkbox"/> | I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion. |
| <input checked="" type="checkbox"/> | I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. |

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 384594

CONDITIONS

| | |
|--|--|
| Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002 | OGRID: 372171 |
| | Action Number: 384594 |
| | Action Type: [C-104] Completion Packet - New Well (C-104NW) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| smcgrath | None | 9/18/2024 |