

Office  
 District I – (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II – (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III – (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV – (505) 476-3460  
 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. <b>30-025-11551</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Eaton SW</b>
8. Well Number <b>1</b>
9. OGRID Number <b>256073</b>
10. Pool name or Wildcat <b>Langlie Mattix; 7 Rvrs-Q-Grayburg</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

**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 ☐

2. Name of Operator  
**J R Oil Ltd. Co.**

3. Address of Operator  
**PO Box 2975 Hobbs, NM 88241**

4. Well Location  
 Unit Letter **M**, **660** feet from the **South** line and **660** feet from the **West** line  
 Section **12** Township **25S** Range **37E** 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 <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <input type="checkbox"/>

Notify OCD 24 hrs. prior to any work done. [gilbert.cordero@emnrd.nm.gov](mailto:gilbert.cordero@emnrd.nm.gov)

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.

1. ~~MIRU plugging service~~
2. ~~Lay down rods~~
3. ~~Trip bit & scraper to top squeezed perf (3,110')~~
4. ~~Set CIBP @ +/- 3,060'~~
5. ~~Spot 25 sx Class C neat cement on CIBP, WOC, and tag~~
6. ~~Circulate MLF~~
7. ~~Log cement bond from PBTD to surface~~
8. ~~Test 5 1/2 casing to 250 psi~~
9. ~~Perf 2,450' sqz 57 sx, WOC, tag~~
10. ~~Spot 25 sx @ 1,080'~~
11. ~~Perf both strings of csg @ 280' & circ. 171 sx or more to surface~~
12. ~~Cut off well head 3' beneath grade, top off cement, weld marker, and back fill.~~
13. ~~Remove all underground piping and surface equipment. Remediate surface location per OCD.~~

SEE CHANGES TO PROCEDURE

Spud Date:

07/23/1956

Rig Release Date:

\*\*\*SEE ATTACHED COA's\*\*\*

MUST BE PLUGGED BY 8/1/25

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

SIGNATURE Maren Latimer TITLE Agent DATE 11/7/2024

Type or print name Maren Latimer E-mail address: mlatimer@ravenop.com PHONE: 5756916790

**For State Use Only**

APPROVED BY: [Signature] TITLE Staff Manager DATE 11/19/24

Conditions of Approval (if any):



## Eaton SW #1

# Abandonment Procedure

October 18, 2024

FÈ MIRU plugging service

GÈ Lay down rods

HÈ Trip bit & scraper to top squeezed perf (3,110')

I È Set CIBP @ +/- 3,060' ~~ÀV^•óÖæq \* Á €J • Æ€ q ÁZá` àà| ^Á^•c~~

Í È Spot 25 sx Class C neat cement on CIBP, WOC, and tag

Î È Circulate MLF

Ï È Log cement bond from PBTD to surface

Ì È Perf 2,450', sqz 57 sx, WOC, tag

JÈ Spot 25 sx @ 1,080'

FÈEPerf both strings of csg @ 280' & circ. 171 sx or more to surface

FFÈCut off well head 3' beneath grade, top off cement, weld marker, and back fill.

FGÈRemove all underground piping and surface equipment. Remediate surfaceÁ location per OCD.

# Information

## Well

Name: Eaton SW #1

API: 30-025-11551

Location: Unit M, section 12, T 25S, R 37E, 660' FSL, 660' FWL

Lat/long: 32.1393661, -103.1230392

Directions: From the intersection of 128 & 18 in Jal, travel east 3.8 miles,  
Turn north (left) onto Blocker Rd, and travel 1.0 miles,  
Turn east (right), and travel 0.1 miles,  
Turn north (left), and travel another 0.1 miles,  
Well is on the right.

## Contacts

Company Man in charge: Bobby Stearns (575) 760-2482

Engineer: Ian Petersen (432) 634-4922

Production Foreman: Josh Latimer (575) 414-9188

Pumper: Charles Cowger (575) 631-7939

**State of New Mexico**  
**Energy, Minerals and Natural Resources Department**  
**Oil Conservation Division**  
**Standard Plugging Conditions**



This document provides OCD's general plugging conditions of approval. It should be noted that the list below may not cover special plugging programs in unique and unusual cases, and OCD expressly reserves the right to impose additional requirements to the extent dictated by project conditions. The OCD also reserves the right to approve deviations from the below conditions if field conditions warrant a change. A C-103F NOI to P&A must be approved prior to plugging operations. Failure to comply with the conditions attached to a plugging approval may result in a violation of 19.15.5.11 NMAC, which may result in enforcement actions, including but not limited to penalties and a requirement that the well be re-plugged as necessary.

1. Notify OCD office at least 24 hours before beginning work and seek prior approval to implementing any changes to the C-103 NOI to PA.
  - North Contact, Monica Kuehling, 505-320-0243, [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)
  - South Contact, Gilbert Cordero, 575-626-0830, [gilbert.cordero@emnrd.nm.gov](mailto:gilbert.cordero@emnrd.nm.gov)
2. A Cement Bond Log is required to ensure strata isolation of producing formations, protection of water and correlative rights. A CBL must be run or be on file that can be used to properly evaluate the cement behind the casing.

Note: Logs must be submitted to OCD via OCD permitting. A copy of the log may be emailed to OCD inspector for faster review times, but emailing does not relieve the operators obligation to submit through OCD permitting.

3. Once Plugging operations have commenced, the rig must not rig down until the well is fully plugged without OCD approval. If gap in plugging operations exceeds 30 days, the Operator must file a subsequent sundry of work performed and revised NOI for approval on work remaining. At no time shall the rig be removed from location if it will result in waste or contamination of fresh water.
4. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
5. Fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
  - North, water or mud laden fluids
  - South, mud laden fluids
6. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to an OCD permitted disposal facility.
7. Class of cement shall be used in accordance with the below table for depth allowed.

Class	TVD Lower Limit (feet)
Class A/B	6,000
Class I/II	6,000
Class C or III	6,000
Class G and H	8,000
Class D	10,000

Class E	14,000
Class F	16,000

8. After cutting the well head any "top off cement jobs" must remain static for 30 minutes. Any gas bubbles or flow during this 30 minutes shall be reported to the OCD for approval of next steps.
9. Trucking companies being used to haul oilfield waste fluids (Commercial or Private) to a disposal facility shall have an approved OCD C-133 permit.
  - A copy of this permit shall be available in each truck used to haul waste products.
  - It is the responsibility of the Operator and Contractor to verify that this permit is in place prior to performing work.
  - Drivers shall be able to produce a copy upon request of an OCD Compliance Officer.
10. Filing a [C-103] Sub. Plugging (C-103P) will serve as notification that the well has been plugged.
11. A [C-103] Sub. Release After P&A (C-103Q) shall be filed no later than a year after plugging and a site inspection by OCD Compliance officer to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to meet OCD standards before bonding can be released.
12. Produced water or brine-based fluids **may not** be used during any part of plugging operations without **prior OCD approval**.
13. Cementing;
  - All cement plugs will be neat cement and a minimum of 100' in length. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
  - If cement does not exist between or behind the casing strings at recommended formation depths, the casing perforations will be shot at 50' below the formation top and the cement retainer shall be set no more than 50' from the perforations.
  - WOC (Wait on Cement) time will be:
    - 4 hours for accelerated (calcium chloride) cement.
    - 6 hours on regular cement.
  - Operator must tag all cement plugs unless it meets the below condition.
    - The operator has a passing pressure test for the casing annulus and the plug is only an inside plug.
  - If perforations are made operator must tag all plugs using the work string to tag unless given approval to tag with wireline by the correct contact from COA #1 of this document.
    - This includes plugs pumped underneath a cement retainer to ensure retainer seats properly after cement is pumped.
  - Cement can only be bull-headed with specific prior approval.
  - Squeeze pressures are not to exceed the exposed formations frac gradient or the burst pressure of the casing.
14. A cement plug is required to be set from 50' below to 50' above (straddling) formation tops, casing shoes, casing stubs, any attempted casing cut offs, anywhere the casing is perforated, DV tools.
  - Perforation/Formation top plug. (When there is less than 100ft between the top perforation to the formation top.) These plugs are required to be started no greater than

50ft from the top perforation. However, the plug should be set below the formation top or as close to the formation top as possible for the maximum isolation between the formations. The plug is required to be a 100ft cement plug plus excess.

- Perforation Plug when a formation top is not included. These plugs are required to be started within 50ft of the top perforation. The plug is required to be a 100ft cement plug plus excess.
- Cement caps on top of bridge plugs or cement retainers for perforation plugs, that are not straddling a formation top, may be set using a bailer with a minimum of 35' of cement in lieu of the 100' plug. The bridge plug or retainer must be set within 50ft of the perforations.
- Perforations are required below the surface casing shoe if cement does not exist behind the casing, a 30-minute minimum wait time will be required immediately after perforating to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. If gas is detected contact the OCD office for directions.

15. No more than 3000 feet is allowed between cement plugs in cased hole and no more than 2000 feet is allowed in open hole.

16. Formation Tops to be isolated with cement plugs, but not limited to are:

- Northwest See Figure A
- South (Artesia) See Figure B
- Potash See Figure C
  - In the R-111-P (Or as subsequently revised) Area a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, woe 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
- South (Hobbs) See Figure D1 and D2
- Areas not provided above will need to be reviewed with the OCD on a case by case basis.

17. Markers

- Dry hole marker requirements 19.15.25.10.

The operator shall mark the exact location of plugged and abandoned wells with a steel marker not less than four inches in diameter set in cement and extending at least four feet above mean ground level. The marker must include the below information:

  1. Operator name
  2. Lease name and well number
  3. API number
  4. Unit letter
  5. Section, Township and Range
- AGRICULTURE (Below grade markers)

In Agricultural areas a request can be made for a below ground marker. For a below ground marker the operator must file their request on a C-103 notice of intent, and it must include the following;

  - A) Aerial photo showing the agricultural area
  - B) Request from the landowner for the below ground marker.

C) Subsequent plugging report for a well using a below ground marker must have an updated C-102 signed by a certified surveyor for SHL.

Note: A below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to OCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to OCD. OCD requires a current survey to verify the location of the below ground marker, however OCD will accept a GPS coordinate that were taken with a GPS that has an accuracy of within 15 feet.

18. If work has not commenced within 1 year of the approval of this procedure, the approval is automatically expired. After 1 year a new [C-103] NOI Plugging (C-103F) must be submitted and approved prior to work.

Figure A

North Formations to be isolated with cement plugs are:

- San Jose
- Nacimiento
- Ojo Alamo
- Kirtland
- Fruitland
- Picture Cliffs
- Chacra (if below the Chacra Line)
- Mesa Verde Group
- Mancos
- Gallup
- Basin Dakota (plugged at the top of the Graneros)
- Deeper formations will be reviewed on a case-by-case basis



Figure B

South (Artesia) Formations to be isolated with cement plugs are:

- Fusselman
- Montoya
- Devonian
- Morrow
- Strawn
- Atoka
- Permo-Penn
- Wolfcamp
- Bone Springs
- Delaware , in certain areas where the Delaware is subdivided into;
  - 1. Bell Canyon
  - 2. Cherry Canyon
  - 3. Brushy Canyon
- Any salt sections
- Abo
- Yeso
- Glorieta
- San Andres
- Greyburg
- Queen
- Yates

Figure D1 and D2

South (Hobbs) Formations to be isolated with cement plugs are:

The plugging requirements in the Hobbs Area are based on the well location within specific areas of the Area (See Figure D1). The Formations in the Hobbs Area to be isolated with cement plugs are (see Figure D2)

Figure D1 Map

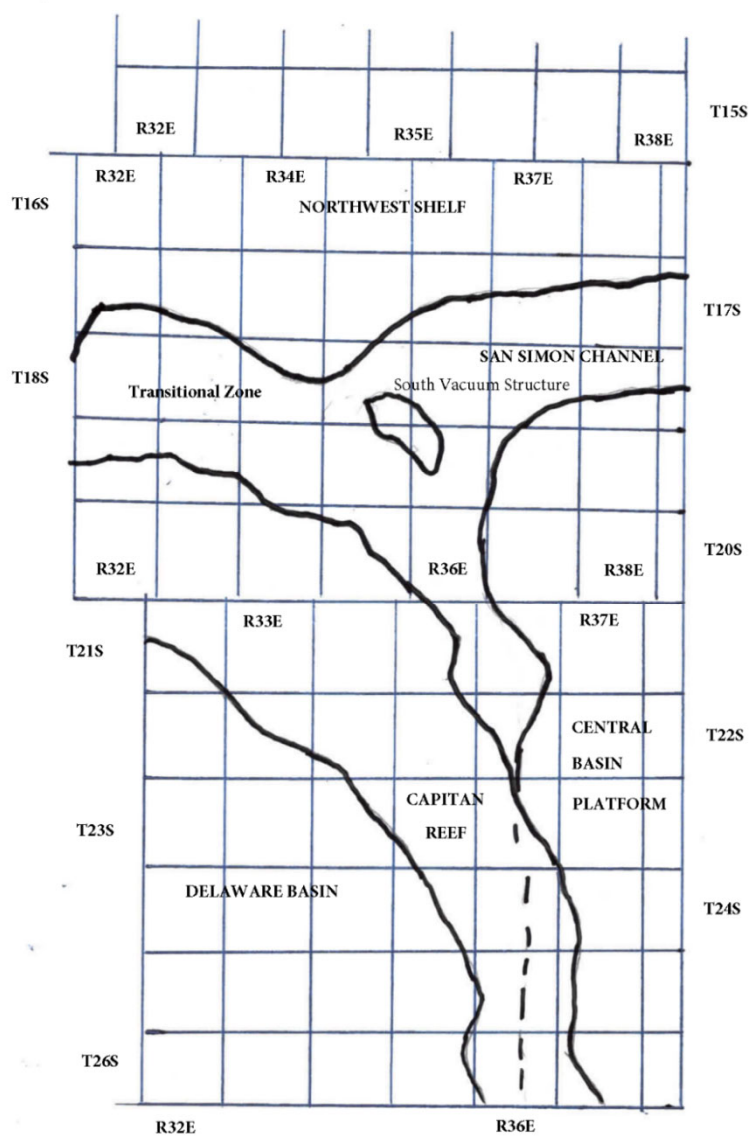


Figure D2 Formation Table

100' Plug to isolate upper and lower fresh water zones (typically 250' to 350')						
Northwest Shelf	Captan Reef Area	Transition Zone	San Simon Channel	South Vacuum Structure	Delaware Basin	Central Basin Platform
Granit Wash (Detrital basement material and fractured pre-Cambrian basement rock)	Siluro-Devonian	Morrow	Siluro-Devonian	Ellenburger	Siluro-Devonian	Granit Wash (Detrital basement material, fractured pre-Cambrian basement rock and fracture Mafic Volcanic intrusives).
Montoya	Mississippian	Atoka	Morrow	McKee	Morrow	Ellenburger
Fusselman	Morrow	Strawn	Wolfcamp	Siluro-Devonian	Atoka	Connell
Woodford	Atoka	Cisco	Abo Reef	Woodford	Strawn	Waddell
Siluro-Devonian	Strawn	Pennsylvanian	Bone Spring	Mississippian	Pennsylvanian	McKee
Chester	Pennsylvanian	Wolfcamp	Delaware	Barnett Shale	Lower Wolfcamp	Simpson Group
Austin	Wolfcamp	Bone Spring	San Andres	Morrow	Upper Wolfcamp	Montoya
Mississippian	Abo Reef, if present	Delaware	Queen	Atoka	Wolfcamp	Fusselman
Morrow	Abo, if present	San Andres	Yates	Strawn	Third Bone Spring Sand (Top of Wolfbone)	Silurian
Atoka	Queen, if present	Grayburg-San Andres	Base of Salt	Canyon	First Bone Spring Sand (Top of Lower Bone Spring)	Devonian
Lower Pennsylvanian	Bone Spring	Queen	Rustler	Pennsylvanian	Bone Spring	Strawn
Cisco-Canyon	Delaware	Seven Rivers		Blinbry	Brushy Canyon	Pennsylvanian
Pennsylvanian	Base Capitan Reef	Yates		Bone Spring	Delaware (Base of Salt)	Wolfcamp
Bough	Seven Rivers	Base of Salt		San Andres	Rustler	Abo
Wolfcamp	Yates	Rustler		Queen		Abo Reef
Abo	Top Capitan Reef			Base of Salt		Drinkard
Abo Reef, if present	Base of Salt			Rustler		Tubb
Yeso (Township 15 South to Township 17 South)	Rustler					Blinbry
Drinkard or Lower Yeso (Township 15 South to Township 17 South)						Paddock
Tubb (Township 15 South to Township 17 South)						Glorieta
Blinbry (Township 15 South to Township 17 South)						San Andres
Paddock (Township 15 South to Township 17 South)						Grayburg
Glorieta						Grayburg-San Andres
San Andres						Queen
Queen (Township 15 South to Township 17 South)						Seven Rivers
Seven Rivers (Township 15 South to Township 17 South)						Yates
Yates (Township 15 South to Township 17 South)						Base of Salt
Base of Salt						Rustler
Rustler						

EXHIBIT "A"  
CASE 9316  
ORDER R-111-P

CONSOLIDATED LAND **DESCRIPTION** OF THE KNOWN POTASH  
LEASING AREA, AS OF FEBRUARY 3, 1988

EDDY COUNTY, NEW MEXICO

**TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM**

Section 10: SE/4 SE/4  
 Section 11: S/2 SW/4  
 Section 13: W/2 SW/4 and SE/4 SW/4  
 Section 14: W/2 NE/4, NW/4 and S/2  
 Section 15: E/2 NE/4, SE/4 SW/4 and SE/4  
 Section 22: N/2, N/2 SW/4, SE/4 SW/4 and SE/4  
 Section 23: All  
 Section 24: N/2 NW/4, SW/4 NW/4 and NW/4 SW/4  
 Section 26: NE/4, N/2 NW/4 and SE/4 NW/4  
 Section 27: N/2 NE/4 and NE/4 NW/4

**TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM**

Section 11: SE/4 SE/4  
 Section 12: SE/4 NE/4 and S/2  
 Section 13: All  
 Section 14: NE/4, SE/4 NW/4 and S/2  
 Section 15: SE/4 SE/4  
 Section 22: NE/4, E/2 W/2 and SE/4  
 Section 23: All  
 Section 24: All  
 Section 25: NW/4 NW/4  
 Section 26: N/2 NE/4 AND NW/4  
 Section 27: NE/4 AND E/2 NW/4

**TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM**

Section 2: SW/4  
 Section 3: W/2 SW/4, SE/4 SW/4, S/2 SE/4 and  
 NE/4 SE/4  
 Section 4: Lots 3 and 4. SW/4 NE/4, S/2 NW/4  
 and S/2  
 Section 5: Lots 1, 2. and 3, S/2 NE/4,  
 S/2 NW/4 and S/2  
 Section 6: S/2 SE/4 and NE/4 SE/4  
**Sections 7 to 10 inclusive**  
 Section 11: S/2 NE/4, NW/4 NW/4 and S/2  
 Section 12: NE/4, S/2 NW/4 and S/2  
 Section 13: NE/4, W/2, N/2 SE/4 and SW/4 SE/4  
 Sections 14 to 18 inclusive  
 Section 19: Lots 1, 2, and 3, NE/4, E/2 NW/4,  
 NE/4 SW/4, E/2 SE/4 and  
 NW/4 SE/4  
 Sections 20 to 23 inclusive

Section 24: NW/4. NW/4 SW/4 and S/2 SW/4

Section 25: NW/4 NW/4  
 Section 26: NE/4 NE/4, W/2 NE/4, W/2, W/2 SE/4  
 and SE/4 SE/4  
 Section 27: All  
 Section 28: All  
 Section 29: E/2, E/2 NW/4 and NW/4 NW/4  
 Section 32: E/2 and SE/4 SW/4  
 Section 33 to 35 inclusive  
 Section 36: NW/4 NW/4, S/2 NW/4 and S/2

**TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM**

Section 7: Lots 1, 2, and 3 and E/2 NW/4  
 Section 18: Lots 1, 2, and 3 and SW/4 NE/4,  
 E/2 NW/4 and NE/4 SW/4  
 Section 31: Lot 4  
 Section 34: SE/4 SE/4  
 Section 35: S/2 SW/4 and SW/4 SE/4  
 Section 36: S/2 SE/4

**LEA COUNTY, NEW MEXICO**

**TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM**

Section 31: Lot 4  
 Section 33: Lots 1 to 4 inclusive and N/2 S/2  
 Section 34: Lots 1 to 4 inclusive and N/2 S/2  
 Section 35: Lots 1 to 4 inclusive and N/2 S/2  
 Section 36: Lots 1 to 4 inclusive, SE/4 NE/4,  
 NW/4 SW/4 and NE/4 SE/4

**TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM**

Section 22: SE/4 NE/4, E/2 SW/4 and SE/4  
 Section 23: S/2 NW/4, SW/4, W/2 SE/4 and  
 SE/4 SE/4  
 Section 25: SW/4 NW/4, W/2 SW/4 and SE/4 SW/4  
 Section 26: All  
 Section 27: All  
 Section 28: S/2 SE/4 and NE/4 SE/4  
 Section 30: Lots 2 to 4 inclusive, S/2 NE/4,  
 SE/4 NW/4, E/2 SW/4 and SE/4  
 Section 31: All  
 Section 32: NE/4, S/2 NW/4 and S/2  
 Sections 33 to 35 inclusive  
 Section 36: W/2 NE/4, SE/4 NE/4, NW/4 and S/2

**TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM**

Section 31: Lots 3 and 4

## EDDY COUNTY, NEW MEXICO

**TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM**

Section 1: SE/4 NE/4 and E/2 SE/4  
 Section 13: SW/4 NW/4, W/2 SW/4 AND SE/4 SW/4  
 Section 14: NW/4 NE/4, S/2 NE/4, NW/4 and S/2  
 Section 15: E/2 E/2, SE/4 SW/4 and W/2 SE/4  
 Section 22: E/2 and E/2 NW/4  
 Section 23: All  
 Section 24: SW/4 NE/4, W/2, W/2 SE/4  
                     and SE/4 SE/4  
 Section 25: N/2, SW/4, W/2 SE/4 and NE/4 SE/4  
 Section 26: All  
 Section 27: E/2  
 Section 34: NE/4  
 Section 35: N/2  
 Section 36: W/2 NE/4 AND NW/4

**TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMPM**

Sections 1 to 4 inclusive  
 Section 5: Lots 1 to 3 inclusive, S/2 N/2  
                     and S/2  
 Section 6 Lots 5, 6, and 7, S/2 NE/4, E/2 SW/4  
                     and SE/4  
 Section 7 Lots 1 and 2. E/2 and E/2 NW/4  
 Sections 8 to 17 inclusive  
 Section 18 E/2  
 Section 19 E/2 and SE/4 SW/4  
 Sections 20 to 29 inclusive  
 Section 30: Lots 1 to 3 inclusive, E/2 and  
                     E/2 W/2  
 Section 31 E/4 and E/2 SE/4  
 Sections 32 to 35 inclusive

**TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM**

Section 1 Lots 1 to 3 inclusive, S/2 N/2  
                     and S/2  
 Section 2: All  
 Section 3: Lots 1 and 2, S/2 NE/4 and SE/4  
 Section 6: Lots 4 to 7 inclusive, SE/4 NW/4,  
                     E/2 SW/4, W/2 SE/4 and  
                     SE/4 SE/4  
 Section 7: All  
 Section 8: S/2 N/2 and S/2  
 Section 9: S/2 NW/4, SW/4, W/2 SE/4 and SE/4 SE/4  
 Section 10: E/2 and SW/4  
 Section 11 to 36 inclusive

LEA COUNTY, NEW MEXICO

**TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM**

Sections 1 to 4 inclusive

Section 5: S/2 SE/4

Section 6: Lots 4 to 7 inclusive, SE/4 NW/4,  
E/2 SW/4 and SW/4 SE/4

Sections 7 to 36 inclusive

**TOWNSHIP 20 SOUTH, RANGE 33 EAST, NMPM**

Sections 1 to 36 inclusive

**TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM**

Section 6: Lots 3 to 7 inclusive, SE/4 NE/4,  
E/2SW/4, W/2 SE/4 AND  
SE/4 SE/4

Section 7: All

Section 8: SW/4, S/2 NW/4, W/2 SE/4 and  
SE/4 SE/4

Section 16: W/2 NW/4, SE/4 NW/4, SW/4 and  
S/2 SE/4

Sections 17 to 21 inclusive

**Section 22:** N/2 NW/4, SW/4 NW/4, W/2 SE/4,  
and SE/4 SE/4

Section 26: SW/4, W/2 SE/4 and SE/4 SE/4

Sections 27 to 35 inclusive

Section 36: SW/4 NW/4 and W/2 SW/4

EDDY COUNTY, NEW MEXICO

**TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM**

Sections 1 to 3 inclusive

Section 4: Lots 1 through 16, NE/4 SW/4 and  
SE/4

Section 5: Lot 1

Section 10: N/2 NE/4, SE/4 NE/4 and SE/4 SE/4

Sections 11 to 14 inclusive

**Section 15:** E/2 NE/4 and NE/4 SE/4

Section 23: N/2 NE/4

Section 24: E/2, N/2NW/4 and SE/4NW/4

Section 25: NE/4 NE/4 and S/2 SE/4

Section 35: Lots 2 to 4 inclusive, S/2 NE/4,  
NE/4 SW/4 and N/2 SE/4

Section 36: Lots 1 to 4 inclusive, NE/4,  
E/2 NW/4 AND N/2 S/2

**TOWNSHIP 21 SOUTH, RANGE 30 EAST, NMPM**

Sections 1 to 36 inclusive



**TOWNSHIP 21 SOUTH, RANGE 31 EAST, NMPM**  
Sections 1 to 36 inclusive**LEA COUNTY, NEW MEXICO****TOWNSHIP 21 SOUTH, RANGE 32 EAST, NMPM**

Sections 1 to 27 inclusive

Section 28: N/2 and N/2 S/2

Sections 29 to 31 inclusive

**Section 32:** NW/4 NE/4, NW/4 and NW/4 SW/4

Section 34: N/2 NE/4

Section 35: N/2 N/2

Section 36: E/2, N/2 NW/4, SE/4 NW/4 and  
NE/4 SW/4**TOWNSHIP 21 SOUTH, RANGE 33 EAST, NMPM**Section 1: Lots 2 to 7 inclusive, Lots 10  
to 14 inclusive, N/2 SW/4 and  
SW/4 SW/4

Sections 2 to 11 inclusive

**Section 12:** NW/4 NW/4 and SW/4 SW/4

Section 13: N/2 NW/4, S/2 N/2 and S/2

Sections 14 to 24 inclusive

Section 25: N/2. SW/4 and W/2 SE/4

Sections 26 to 30 inclusive

Section 31: Lots 1 to 4 inclusive, NE/4,  
E/2 W/2, N/2 SE/4 and  
SW/4 SE/4

Section 32: N/2 and NW/4 SW/4

Section 33: N/2

Section 34: NE/4, N/2 NW/4 and E/2 SE/4

**Section 35: All**

Section 36: W/2 NE/4, NW/4 and S/2

**TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM****Section 17: W/2****Section 18: All**Section 19: Lots 1 to 4 inclusive, NE/4,  
E/2 W/2, N/2 SE/4 and  
SW/4 SE/4**Section 20:** NW/4 NW/4

Section 30: Lots 1 and 2 and NE/4 NW/4

Section 31: Lots 3 and 4

**EDDY COUNTY, NEW MEXICO****TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM**

Section 36: E/2 E/2

**TOWNSHIP 22 SOUTH, RANGE 29 EAST, NMPM**

Sections 1 and 2 inclusive

Section 3 SE/4 SW/4 and SE/4

Section 9 S/2 NE/4 and S/2

Sections 10 to 16 inclusive

Section 17 S/2 SE/4

Section 19 SE/4 NE/4 and E/2 SE/4

Sections 20 to 28 inclusive

Section 29 N/2 N/2, S/2 NE/4 and SE/4

Section 30 NE/4 NE/4

Section 31 Lots 1 to 4 inclusive, S/2 NE/4,  
E/2 W/2 and SE/4

Sections 32 to 36 inclusive

**TOWNSHIP 22 SOUTH, RANGE 30 EAST, NMPM**

Sections 1 to 36 inclusive

**TOWNSHIP 22 SOUTH, RANGE 31 EAST, NMPM**

Sections 1 to 11 inclusive

Section 12: NW/4 NE/4, NW/4 and NW/4 SW/4

Section 13: S/2 NW/4 and SW/4

Sections 14 through 23 inclusive

Section 24: W/2

Section 25: NW/4

Section 26: NE/4 AND N/2 NW/4

Sections 27 to 34 inclusive

**LEA COUNTY, NEW MEXICO****TOWNSHIP 22 SOUTH, RANGE 32 EAST, NMPM**

Section 1: Lot 1

Section 6: Lots 2 to 7 inclusive and SE/4 NW/4

**TOWNSHIP 22 SOUTH, RANGE 33 EAST NMPM**Section 1: Lots 1 to 4 inclusive, S/2 N/2 and  
N/2 S/2

Section 2: All

Section 3: Lot 1, SE/4 NE/4 and SE/4

Section 6: Lot 4

Section 10: NE/4

Section 11: NW/4 NE/4 AND NW/4

**TOWNSHIP 22 SOUTH, RANGE 34 EAST NMPM**

Section 6: Lots 4 to 6 inclusive

## EDDY COUNTY, NEW MEXICO

**TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM**

Section 1: Lot 1

**TOWNSHIP 23 SOUTH, RANGE 29 EAST, NMPM**

Sections 1 to 5 inclusive

**Section 6:** Lots 1 to 6 inclusive, S/2 NE/4,  
SE/4 NW/4, E/2 SW/4 and SE/4

Section 7: NE/4 and NE/4 NW/4

**Section 8:** N/2, N/2 SW/4, SE/4 SW/4 and SE/4

Sections 9 to 16 inclusive

Section 17: NE/4 and E/2 SE/4

Sections 21 to 23 inclusive

Section 24: N/2, SW/4 and N/2 SE/4

Section 25: W/2 NW/4 and NW/4 SW/4

Section 26: All

Section 27: All

Section 28: N/2, N/2 SW/4, SE/4 SW/4 and SE/4

Section 33: N/2 NE/4 and NE/4 NW/4

Section 34: NE/4, E/2 NW/4, NW/4 NW/4,  
NE/4 SW/4 and SE/4

Section 35: All

Section 36: W/2 NE/4, NW/4 and N/2 SW/4

**TOWNSHIP 23 SOUTH, RANGE 30 EAST, NMPM**

Sections 1 to 18 inclusive

Section 19: N/2, N/2 SW/4, SE/4 SW/4 and SE/4

Section 20: All

Section 21: All

Section 22: N/2, S/2 SW/4, N/2 S/2 and SE/4 SE/4

Sections 23 to 25 inclusive

Section 26: E/2, SE/4 NW/4 and SW/4

Section 27: N/2 NW/4, SW/4 NW/4, SE/4 SW/4,  
S/2 SE/4 and NE/4 SE/4

Section 28: N/2 and SW/4 Section 29 N/2 and SE/4

Section 30: N/2 NE/4

Section 32: N/2 NE/4

Section 33: SE/4 NE/4, N/2 NW/4, NE/4 SE/4  
and S/2 SE/4

Sections 34 to 36 inclusive

**TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM****Section 2:** Lot 4, SW/4 NW/4 and W/2 SE/4

Sections 3 to 7 inclusive

Section 8: NE/4 NE/4, W/2 NE/4 and W/2

**Section 9:** N/2 N/2

Section 10: NW/4 NW/4 and SE/4 SE/4

Section 11: S/2 NE/4, S/2 SW/4 and SE/4

**Section 12:** SW/4 NW/4 and SW/4  
**Section 13:** SW/4 **NE/4**, W/2 and W/2 SE/4  
**Section 14:** All  
**Section 15:** E/2, SE/4 NW/4 and **SW/4**  
**Section 16:** SW/4 and S/2 SE/4  
**Section 17:** NW/4 and S/2  
**Sections 18 to 23 inclusive**  
**Section 24:** W/2 NE/4 and W/2  
**Section 25:** W/2 NE/4, NW/4, N/2 SW/4 and  
 NW/4 SE/4  
**Section 26 to 34 inclusive**  
**Section 35:** N/2 NW/4 and SW/4 NW/4

**TOWNSHIP 24 SOUTH, RANGE 29 EAST, NMPM**

**Section 2:** Lots 2 to 4 inclusive  
**Section 3:** Lot 1

**TOWNSHIP 24 SOUTH, RANGE 30 EAST, NMPM**

**Section 1:** Lots 1 to 4 inclusive, S/2 N/2,  
 SW/4 and NW/4 SE/4  
**Section 2:** All  
**Section 3:** All  
**Section 4:** Lots 1 and 2, S/2 NE/4, SE/4 NW/4,  
 SW/4 SW/4, E/2 SW/4 and SE/4  
**Section 9:** N/2, N/2 SW/4, SE/4 SW/4 and SE/4  
**Section 10:** All  
**Section 11:** All  
**Section 12:** W/2 NW/4 and NW/4 SW/4  
**Section 14:** W/2 NE/4 and **NW/4**  
**Section 15:** NE/4 and N/2 NW/4

**TOWNSHIP 24 SOUTH, RANGE 31 EAST, NMPM**

**Section 3:** Lots 2 to 4 inclusive, SW/4 NE/4,  
 S/2 NW/4, SW/4 and W/2 SE/4  
**Section 4:** All  
**Section 5:** Lots 1 to 4 inclusive, S/2 N/2,  
 N/2 S/2 and SE/4 SE/4  
**Section 6:** Lots 1 to 6 inclusive, S/2 NE/4,  
 SE/4 NW/4, NE/4 SW/4 and  
 N/2 SE/4  
**Section 9:** E/2 and NW/4  
**Section 10:** W/2 NE/4 and W/2  
**Section 35:** Lots 1 to 4 inclusive, S/2 N/2 and  
 N/2 S/2  
**Section 36:** Lots 1 and 2, SW/4 NW/4 and N/2 SW/4

**TOWNSHIP 25 SOUTH, RANGE 31 EAST, NMPM**

**Section 1:** Lots 3 and 4 and S/2 NW/4  
**Section 2:** Lots 1 to 4 inclusive and S/2 N/2

**JR Oil Ltd.**

# Eaton SW #1

13-3/8" @ 230'

8-5/8" @ 2,311'

5-1/2" @ 4,879'

TD @ 4,933'

WELL NAME: Eaton SW #1

API NO: 30-025-11551

SPUD DATE: November 19, 1945

FORMATION: Langlie Mattix

FIELD: 7R/Q/GB

COUNTY: Lea

KB: 3,454

PBTD: 3,454

TD: 4,933

CASING							CEMENT & HOLE DATA					
	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom	bit size	depth	sacks	TOC
Surface		13 3/8	48.00				0'	226'	17	230'	150	surf. (calc.)
Intermediate		8 5/8	26.00				0'	2,311'	10 3/4	2,312'	400	surf. (calc.)
Production (open hole)		5 1/2	17.00				0'	4,879'	6 1/4	4,933'	450	surf. (calc.)

History:

11/19/1945 Spud by Western Gas Co., DST's, acidized 4,879' - 933' w/ 2k gal 15% , swab 1 BFPH 40% water, **plug back to 4,903' w/ 62 gal plastic**, acidize 4,879' - 903' w/ 3k gal 15%, swab 1 BFPH 100% water, **plug back to 4,870'** w/ bridge plug, **perf 4,835' - 55'**, swab 100% water, **plug back to 4,825'** w/ bridge plug, **perf 4,750' - 95'**, swab & flow 1.74 MMCF in 1 hr, died, acidize 2k gal 15%, flowing 9 MMCFD sour

9/11/1947 Well producing 30 BWPD & loading, set **CICR @ 4,810'**, plug back to **4,780' w/ Calseal**, tested same water & less gas

9/13/1947 **Squeeze perfs** w/ 200 sx cement, **perf 4,787' - 809'**, test all water no gas

10/3/1947 **Squeeze perfs** w/ 100 sx cement, **perf 4,698' - 754'**, swab small amount of oil & very little gas, acidize 2k gal, swab dry

10/10/1947 **Squeeze perfs** 25 sx cement, fill csg w/ heavy mud up to 3,300', spot cement plug @ 3,300', **perf 3,110' - 215'**, test 1 MMCFD

4/18/1950 SIBHP 748 psi

10/19/1950 SIBHP 729 psi

4/24/1951 SIBHP 695psi

7/23/1956 **Squeeze perfs**, drill out bridge plug, **set plug @ 3,460', 6' cement on top, perf Queen**, acid wash 500 gal 7.5% & frac 11k# sand in 10k gal oil, IP 101 BOPD, 495 MCFD, 0 BWPD

2/25/1969 **Clean out to PBTD, perf 7R/Q**, acidize 3k gal, swab

4/1/1972 Shut in due to economics

1/21/1994 Pump stuck, pull rods & plunger, strip pump, (4) bad jts, **clean out fill** 3,451' - 6' w/ foam, replace (5) jts on bottom

7/13/2022 Rods good, rplc **bottom (4) jts for pitting**, test, all held, drop biocide & Cl, **pump packed w/ scale**, barrel corroded, B&S leak, junked

PERFORATIONS

top	bottom	zone	status	tfl shots	date
3,110'	3,215'		squeezed		10/10/47
3,216'	3,370'	7R/Q	active	10	02/25/69
3,335'	3,360'	Queen	active	100	07/23/56
4,698'	4,754'		squeezed		10/03/47
4,750'	4,795'		squeezed	90	12/25/45
4,787'	4,809'		squeezed		09/13/47
4,835'	4,855'		plugged	35	12/25/45
4,879'	4,933'		plugged	(open hole)	11/19/45

TUBING (07/13/2022) avg jt length = 30.908'

	OD (in)	ID (in)	joints	length (ft)	depth (ft)
Subs	2 3/8	1.995	2	18.00	18
Tubing			109	3,368.99	3,387
IPC			1	30.91	3,418
SN				1.10	3,419

RODS (1/21/1994)

	OD (in)	grade	rods	length (ft)	depth (ft)
PR Liner	1 1/2			5.0	
Polished rod	1 1/4			16.0	27
Ponies	3/4		1	4.0	31
Sucker rods	3/4	D	135	3,375.0	3,406
Lift sub				2.0	3,408
Pump	1 1/2	RWTC		10.0	3,418

Perfs @ 3,110' - 215' (sqz'd 1956)

7R/Q perfs @ 3,216' - 370'

Queen perfs @ 3,335' - 60'

EOT & pump intake @ 3,437'

TOC @ 3,454'

Plug @ 3,460'

Heavy mud

Perfs @ 4,698' - 754' (sqz'd)

Perfs @ 4,750' - 95' (sqz'd)

Plug back to 4,780' w/ CalSeal

Bridge plug @ 4,810'

Bridge plug @ 4,825'

Perfs @ 4,835' - 55'

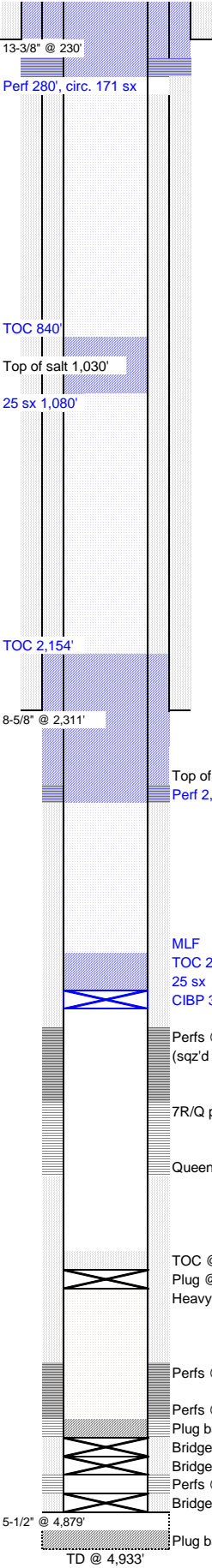
Bridge plug @ 4,870'

Plug back to 4,903' w/ plastic

**Updated:** August 14, 2024 by Ian Petersen

JR Oil Ltd.

Eaton SW #1 PROPOSED



WELL NAME: Eaton SW #1					FORMATION: Langlie Mattix					KB:				
API NO: 30-025-11551					FIELD: 7R/Q/GB					PBTD: 3,454				
SPUD DATE: November 19, 1945					COUNTY: Lea					TD: 4,933				
CASING									CEMENT & HOLE DATA					
	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom	bit size	depth	sacks	TOC		
Surface		13 3/8	48.00		12.715	12.559	0'	226'	17	230'	150	surf. (calc.)		
Intermediate		8 5/8	26.00		8.097		0'	2,311'	10 3/4	2,312'	400	surf. (calc.)		
Production (open hole)		5 1/2	17.00		4.892	4.767	0'	4,879'	6 1/4		450	surf. (calc.)		
										4,933'				
<b>History:</b> 11/19/1945 Spud by Western Gas Co., DST's, acidized 4,879' - 933' w/ 2k gal 15% , swab 1 BFPH 40% water, <b>plug back to 4,903' w/ 62 gal plastic</b> , acidize 4,879' - 903' w/ 3k gal 15%, swab 1 BFPH 100% water, <b>plug back to 4,870'</b> w/ bridge plug, perf 4,835' - 55', swab 100% water, <b>plug back to 4,825'</b> w/ bridge plug, <b>perf 4,750' - 95'</b> , swab & flow 1.74 MMCF in 1 hr, died, acidize 2k gal 15%, flowing 9 MMCFD sour 9/11/1947 Well producing 30 BWPD & loading, set <b>CICR @ 4,810'</b> , plug back to <b>4,780' w/ Calseal</b> , tested same water & less gas 9/13/1947 <b>Squeeze perfs</b> w/ 200 sx cement, <b>perf 4,787' - 809'</b> , test all water no gas 10/3/1947 <b>Squeeze perfs</b> w/ 100 sx cement, <b>perf 4,698' - 754'</b> , swab small amount of oil & very little gas, acidize 2k gal, swab dry 10/10/1947 <b>Squeeze perfs</b> 25 sx cement, fill csg w/ heavy mud up to 3,300', spot cement plug @ 3,300', <b>perf 3,110' - 215'</b> , test 1 MMCFD 4/18/1950 SIBHP 748 psi 10/19/1950 SIBHP 729 psi 4/24/1951 SIBHP 695psi 7/23/1956 <b>Squeeze perfs</b> , drill out bridge plug, <b>set plug @ 3,460', 6' cement on top</b> , <b>perf Queen</b> , acid wash 500 gal 7.5% & frac 11k# sand in 10k gal oil, IP 101 BOPD, 495 MCFD, 0 BWPD 2/25/1969 <b>Clean out to PBTD</b> , <b>perf 7R/Q</b> , acidize 3k gal, swab 4/1/1972 Shut in due to economics 1/21/1994 Pump stuck, pull rods & plunger, strip pump, (4) bad jts, <b>clean out fill</b> 3,451' - 6' w/ foam, replace (5) jts on bottom 7/13/2022 Rods good, rplc <b>bottom (4) jts for pitting</b> , test, all held, drop biocide & Cl, <b>pump packed w/ scale</b> , barrel corroded, B&S leak, junked									<b>PERFORATIONS</b>					
									top	bottom	zone	status	tft shots	date
									3,110'	3,215'		squeezed		10/10/47
									3,216'	3,370'		active	10	02/25/69
									3,335'	3,360'	7R/Q	active	100	07/23/56
									4,698'	4,754'	Queen	squeezed		10/03/47
									4,750'	4,795'		squeezed	90	12/25/45
									4,787'	4,809'		squeezed		09/13/47
									4,835'	4,855'		plugged	35	12/25/45
									4,879'	4,933'		plugged	(open hole)	11/19/45
<b>TUBING (none)</b>														
	OD (in)	ID (in)	joints	length (ft)	depth (ft)									

Updated: August 18, 2024 by Ian Petersen

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 400446

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 400446
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	11/19/2024
gcordero	Submit Cement Bond Logs (CBL) prior to submittal of C-103P.	11/19/2024