

Submit a Copy To Appropriate District 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. 30-015-02319
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Mary Lou
8. Well Number 005
9. OGRID Number 372279
10. Pool name or Wildcat Millman; S-RVERS, East

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 LLJ Ventures LLC., DBA Marker Oil & Gas	
3. Address of Operator PO Box 3188, Roswell, NM 88202	
4. Well Location Unit Letter <u>G</u> : <u>2310</u> feet from the <u>North</u> line and <u>1650</u> feet from the <u>East</u> line Section <u>29</u> Township <u>19S</u> Range <u>28E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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

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

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.

XTO Energy Inc., respectfully submits this NOI to P&A the above mentioned well on behalf of operator LLJ Ventures LLC., DBA Marker Oil & Gas. Please see the attached P&A procedure with current and proposed WBD's for your review. Please see also the attached OCD P&A Authorization Package.

Spud Date:

04/25/1962

Rig Release Date:

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

SIGNATURE

Sherry Morrow

TITLE Regulatory Analyst

DATE 01/30/2025

Type or print name Sherry Morrow

E-mail address: sherry.morrow@exxonmobil.com PHONE: (432) 967-7046

For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

PLUG AND ABANDON WELLBORE
MARY LOU 005
EDDY COUNTY, NEW MEXICO
Class II

MASIP	MAOP	MAWP	Surface Csg Yield
1,000 psi	1,000 psi	3,000 psi	2310 PSI

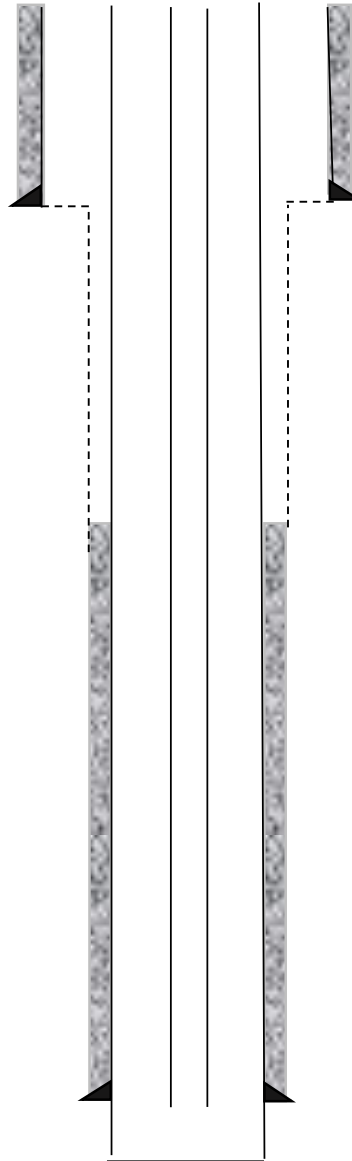
SUMMARY: Plug and abandon wellbore according to BLM regulations.

- 1) MIRU plugging company. Set open top steel pit for plugging.
- 2) POOH LD rods and pump.
- 3) ND WH and NU 3K manual BOP. Function test BOP.
- 4) POOH 2-3/8" tbg.
- 5) MIRU WLU, RIH GR sized for 4.5" 9.5# casing to 1,060'; RIH set CIBP at 1,035', run CBL to surface; pressure test to 500 PSI for 30 minutes.
- 6) ND BOP and NU Wellhead, RDMO.

Steps 8 and forward will be completed with P&A rig within 90 days from RDMO.

- 7) MIRU plugging unit company. Set open Steel Pit for plugging
- 8) ND WH and NU 3K manual BOP. Function test BOP.
- 9) Dump bail 35' Class C cement from 1,035' to 1,000'. WOC and tag to verify TOC. (T/ Perf)
- 10) Spot 25 SKS of Class C cement from 750' to TOC. WOC and tag to verify TOC. (T/Yates, B/Salt)
- 11) MIRU WLU, perforate at TOC. Establish circulation down casing and up 7" x 4-1/2" annulus. Circulate ~70 SKS Class C cement to surface. (B/Salt, Surface Casing Shoe, T/Salt)
- 12) ND BOP and cut off wellhead 5' below surface. RDMO PU, transport trucks, and pump truck.
- 13) Set P&A marker.
- 14) Pull fluid from steel tank and haul to disposal. Release steel tank.

30-015-02319



Mary Lou #005 Proposed WBD

Salado 340'
B of Salt 445'
Yates 650'
7 Rivers 1090'

7" @ 200'

Cmt w/ 50 sx

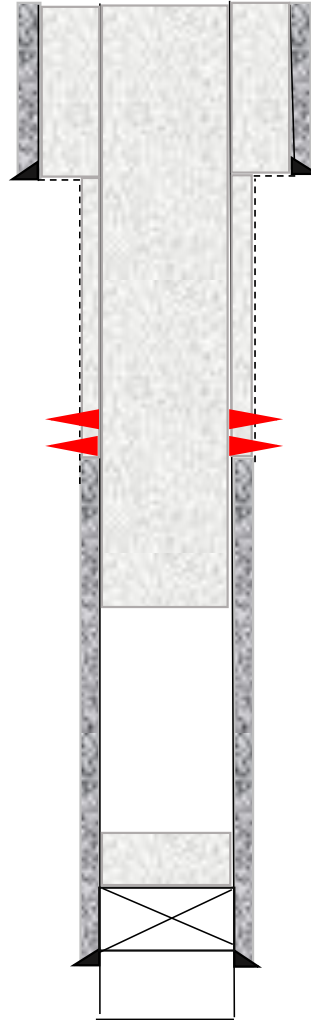
4 1/2" @ 1061'

Cmt w/ 100 sx
approx. 430' TOC

Tubing
2-3/8" tbg EOT @ 1061'

OH 1061'-1127'

30-015-02319



Perf through 4.5" at TOC' and
circulate 70 sks Class C
cement to surface.

Spot 25 SKS of Class C cement
from 750' to TOC. WOC and
Tag.

CIBP @ 1,035' w/dump bail 35' Class
H cement from 1,035' to 1,000'. WOC
and Tag.

PBTD 1,127'
TD 1,127'

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan-Grisham
Governor

Melanie A. Kenderdine
Cabinet Secretary-Designate

Benjamin Shelton
Deputy Secretary (Acting)

Gerasimos Razatos, Division Director (Acting)
Oil Conservation Division



BY ELECTRONIC MAIL

Amanda Garcia
Regulatory Supervisor
ExxonMobil Upstream Company
XTO Energy
6401 Holiday Hill Road
Midland, Texas 79707

Re: Oil Conservation Division Authorization for ExxonMobil Upstream Company to Plug and Abandon Well(s)

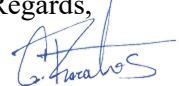
Ms. Garcia :

The Oil Conservation Division ("OCD") received your request of November 07, 2024, requesting authorization for ExxonMobil Upstream Company ("XTO"), to plug and abandon the following wells: Mary Lou #004, API # 30-015-02318 and Mary Lou #005, API # 30-015-02319. LLJ Ventures, LLC DBA Marker Oil & Gas, ("LLJ") is the registered operator of this well and XTO is the leaseholder where the well is located. As the leaseholder, XTO may be deemed a responsible operator for purposes of plugging and remediation activities or for indemnification of costs incurred by OCD for such activities.

On October 11, 2024, OCD issued Final Order No. R-23494 ("R-23494"). R-23494 setting forth plugging compliance deadlines to be met by LLJ. That R-23494 and R-23494-A is incorporated herein as though set forth in full.

OCD hereby authorizes XTO, to plug and abandon the above-identified well on OCD's behalf pursuant to its authority under R-23494.

Please contact Assistant General Counsel, Christy Treviño at (505)-607-4524 or Christy.Trevino@emnrd.nm.gov, with questions, including the submission of plugging sundries as OCD will not be transferring operatorship to you and will need to place the plugging sundries into the well files.

Regards,

Gerasimos Razatos
Director (Acting)

1/24/2025

Date

cc: EMNRD-OGC

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**OIL CONSERVATION DIVISION,
PETITIONER**

v.

**LLJ VENTURES, LLC
DBA MARKER OIL & GAS,
RESPONDENT**

**CASE NO. 24801
ORDER NO. R-23494**

ORDER

This matter came before the Director of the New Mexico Oil Conservation Division (“Division” or “OCD”) on the Notice of Violation (“NOV”) dated on or about July 23, 2024, issued to LLJ Ventures, LLC DBA Marker Oil & Gas, OGRID #372279 (“Operator”). The Division’s Hearing Examiner conducted a public hearing on October 3, 2024. The Director, having considered the testimony and evidence presented, and being otherwise fully advised in the premises, finds, concludes and orders:

FINDINGS OF FACT

1. The Division has jurisdiction over the parties and the subject matter herein.
2. On or about July 9, 2024, the Division issued the NOV, which alleged three violations:
 - a. Operator allegedly violated 19.15.5.9(A)(4)(a) NMAC. At the time of the NOV, Operator was the registered operator of one hundred and fifty wells in New Mexico. Under 19.15.5.9(A)(4)(a) NMAC, as the operator of 100 wells or less, Operator was not permitted to have more than two inactive wells out of compliance with 19.15.25.8 NMAC, which requires inactive wells to be plugged and abandoned or placed into approved temporary abandonment status. At the time of the NOV, Operator had one hundred and fifty inactive

**FINAL ORDER
CASE NO. 24801
1**

wells, which were not plugged and abandoned or placed into temporary abandonment status as demonstrated by OCD Ex. 4-A.

- b. Operator allegedly violated 19.15.8.9 NMAC by lacking financial assurance for fifty wells.
- c. Operator allegedly violated 19.15.7.24 NMAC by not filing the required monthly production reports, form C-115, as demonstrated by OCD Ex 4-B. Operator had not submitted a C-115 for any well since at least June 2022.

OCD Ex.4

- 3. Operator transferred two wells, authorized by OCD to another operator. On October 2, 2024, OCD filed updated Inactive Well Report, Financial Assurance Report, and Civil Penalty Calculator to reflect the approved transfer. OCD Ex. 8A-D.
- 4. Based on the approved transfer of two wells, the correct number of inactive wells is one hundred and forty-eight (OCD Ex. 8-A), and the wells lacking sufficient financial assurance is forty-eight. OCD Ex. 8-C.
- 5. The NOV demanded the following relief:
 - a. Operator shall plug and abandon all one hundred and forty-eight wells listed in by a certain date or failing to do so, the Division would assume that duty,
 - b. Operator's financial assurance shall be forfeited,
 - c. Operator's authority to transport from the one hundred and forty-eight registered wells identified in shall be terminated,
 - d. Operator is civilly liable for violations of 19.15.5.9(A)(4)(a), 19.15.8.9 and 19.15.7.24 NMAC in the amount of \$414,000.00.

6. The NOV informed Operator of OCD's informal resolution process, and in the event Operator did not respond to the NOV, that a formal hearing would occur on the October 3, 2024 docket.
7. Operator did not contact the Division during the informal resolution period or provide any evidence that the alleged violations had not occurred. Operator did not file a prehearing statement to enter an appearance or otherwise present evidence pursuant to 19.15.5 NMAC.
8. On August 14, 2024, OCD filed and served the Docketing Notice and formally requested a hearing. Operator did not answer the NOV as contemplated by 19.15.5.10(E)(2)(b) NMAC.
9. The Division provided Operator with notice of the October 3, 2024 hearing as required under 19.15.5.10 NMAC.
10. A hybrid hearing (in-person at Pecos Hall in Santa Fe, NM and virtually through Microsoft Teams) on the NOV was held on October 3, 2024 before a Division Hearing Examiner. Operator did not appear.
11. The Division presented the Affidavits of Nicholas Karns, Compliance Officer and Bond Administrator with the Division's Administrative and Compliance Bureau, and Sara Griego, OCD Law Clerk and corresponding exhibits.
12. The Division provided evidence of notice of the Docketing Statement. OCD Ex. 6.
13. Eight Exhibits were admitted into evidence without objection in support of the NOV.
14. Mr. Karns, who was previously qualified as an expert in administrative compliance before the Division, provided the following evidence in support of the ongoing violations:
 - a. As of October 3, 2024, Operator remained out of compliance with the inactive well requirements of 19.15.5.9(A)(4)(a) NMAC. As of October 1, 2024, Operator had one hundred and forty-eight wells, all of which were

inactive wells that had not been plugged and abandoned or placed in approved temporary abandonment status. OCD Ex. 8-A.

- b. Operator remained out of compliance with 19.15.8.9 NMAC by lacking financial assurance for forty-eight wells. OCD Ex. 8-C.
- c. Operator remained out of compliance with 19.15.7.24 NMAC, because Operator had not filed the required C-115 production reports since June 2022. OCD Ex 4-C.

15. The Oil and Gas Act provides that “[i]n assessing a penalty authorized by this section, the division shall take into account the seriousness of the violation, any good faith efforts to comply with the applicable requirements, any history of noncompliance under the Oil and Gas Act and other relevant factors.” NMSA 1978, §70-2-31(C). OCD provided evidence that the penalties were reasonable and in accordance with the law. OCD Ex. 8-D

CONCLUSIONS OF LAW

16. The Division has met its burden to show by a preponderance of evidence that Operator has violated 19.15.5.9(A)(4)(a) NMAC by failing to plug and abandon one hundred and forty-eight inactive wells.
17. Operator has violated 19.15.8.9 NMAC by lacking financial assurance for forty-eight of the subject wells.
18. Operator has violated 19.15.7.24 NMAC by failing to submit the required C-115 forms for all subject wells.
19. The civil penalties calculated by the Division are allowed by law, reasonable under 19.15.5.10(B) NMAC, and are supported by the evidence in the Administrative and Hearing Records.

FINAL ORDER
CASE NO. 24801

4

ORDER

20. Operator's authority to transport from subject wells is hereby suspended until such time as Operator is compliant with this Order and the NM Oil and Gas Act.
21. Operator shall plug and abandon all twelve wells listed in OCD Ex. 8-A no later than 30 days after issuance of this Order.
22. If Operator fails to plug and abandon the subject wells as directed herein, the Division shall be authorized to plug and abandon the wells and to forfeit the financial assurance for the wells. Such plugging activities may include necessary reclamation or remediation work associated with wells that have been partially plugged and abandoned, Operator shall pay the excess cost to plug and abandon the wells no later than 30 days after actual or attempted service of the Division's written demand. If the excess costs to the Division are not received, the Division may seek indemnification.
23. The Division retains jurisdiction of this matter for the entry of such further orders as it may deem necessary.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**GERASIMOS RAZATOS
ACTING DIRECTOR**

**FINAL ORDER
CASE NO. 24801
5**

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

OIL CONSERVATION DIVISION
PETITIONER

v.

LLJ VENTURES, LLC
DBA MARKER OIL & GAS
RESPONDENT

CASE NO. 24801
ORDER NO. R-23484-A

NUNC PRO TUNC ORDER

The Director of the New Mexico Oil Conservation Division (“OCD”), having determined that an error occurred in Order R-23484 in this matter, which requires correction, issues the following *Nunc Pro Tunc* Order.

FINDINGS OF FACT

1. Order R-23484, issued October 11, 2024, (“Order”) contains an error the number of wells in paragraph 21 of the Order.
2. Exhibit 8-A is not reflective of the total number of wells OCD requested authorization over.
3. An administrative error was discovered in that Exhibit 8-A was missing a well that was included in the original filings, Exhibit 2-A of the Notice of Violation. API # 30-015-00689 GATES STATE #001 was to be included in the supplemental Exhibit 8-A. Exhibit 2-A was generated on July 24, 2024, showing one hundred and fifty wells. API # 30-015-00689 GATES STATE #001 was plugged on August 12, 2024. Amended exhibits were filed on October 11, 2024, showing one hundred and forty-seven wells. Exhibit 8-A was a regeneration of Exhibit 2-A, which was intended to show the two wells transferred off the inactive well list. However, since API # 30-015-00689 GATES STATE #001 was plugged, not released it was inadvertently removed from the inactive well list report as well.
4. Unbeknownst to OCD API # 30-015-00689 GATES STATE #001, was plugged and certain site inspections still need to be complete to release the well.
5. The number of wells OCD was seeking authorization over was indicated as one hundred and forty-eight throughout the record for Case No. 24801 on page 28 through page 40 of the transcript.

ORDER

6. Paragraph 21 of the Order is corrected to read as follows:

“21. Operator shall plug and abandon all remaining non-compliant wells listed in OCD Ex. 2-A no later than 30 days after issuance of this Order.”

7. The corrections are effective *nunc pro tunc* as of the date of the Order.

8. All other provisions of the Order remain in full force and effect.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**Gerasimos Razatos
ACTING DIRECTOR**

Date: 12/24/2024

CASE NO. 24801
ORDER NO. R-23484-A

Page 2 of 2

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
 - South Contact, Gilbert Cordero, 575-626-0830, 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 C

Potash Area R-111-P

T 18S – R 30E

Sec 10 Unit P. Sec 11 Unit M,N. Sec 13 Unit L,M,N. Sec 14 Unit C -P. Sec 15 Unit A G,H,I,J,K,N,O,P. Sec 22 Unit All

except for M. Sec 23, Sec 24 Unit C,D,E,L, Sec 26 Unit A-G, Sec 27 Unit A,B,C

T 19S – R 29E

Sec 11 Unit P. Sec 12 Unit H-P. Sec 13. Sec 14 Unit A,B,F-P. Sec 15 Unit P. Sec 22 Unit A,B,C,F,G,H,I,J K,N,O,P. Sec 23.

Sec 24. Sec 25 Unit D. Sec 26 Unit A- F. Sec 27 Unit A,B,C,F,G,H.

T 19S – R 30E

Sec 2 Unit K,L,M,N. Sec 3 Unit I,L,M,N,O,P. Sec 4 Unit C,D,E,F,G,I-P. Sec 5 Unit A,B,C,E-P. Sec 6 Unit I,O,P. Sec 7 – Sec

10. Sec 11 Unit D, G—P. Sec 12 Unit A,B,E-P. Sec 13 Unit A-O. Sec 14-Sec 18. Sec 19 Unit A-L, P. Sec 20 – Sec 23. Sec

24 Unit C,D,E,F,L,M,N. Sec 25 Unit D. Sec 26 Unit A-G, I-P. Sec 27, Sec 28, Sec 29 Unit

A,B,C,D,F,G,H,I,J,O,P. Sec 32

Unit A,B,G,H,I,J,N,O,P. Sec 33. Sec 34. Sec 35. Sec 36 Unit D,E,F,I-P.

T 19S – R 31E

Sec 7 Unit C,D,E,F,L. Sec 18 Unit C,D,E,F,G,K,L. Sec 31 Unit M. Sec 34 Unit P. Sec 35 Unit M,N,O. Sec 36 Unit O,P.

T 20S – R 29E

Sec 1 Unit H,I,P. Sec 13 Unit E,L,M,N. Sec 14 Unit B-P. Sec 15 Unit A,H,I,J,N,O,P. Sec 22 Unit A,B,C,F,G,H,I,J,O,P. Sec

23. Sec 24 Unit C,D,E,F,G,J-P. Sec 25 Unit A-O. Sec 26. Sec 27 Unit A,B,G,H,I,J,O,P. Sec 34 Unit A,B,G,H.

Sec 35 Unit

A-H. Sec 36 Unit B-G.

T 20S – R 30E

Sec 1 – Sec 4. Sec 5 Unit A,B,C,E-P. Sec 6 Unit E,G-P. Sec 7 Unit A-H,I,J,O,P. Sec 8 – 17. Sec 18 Unit A,B,G,H,I,J,O,P.

Sec 19 Unit A,B,G,H,I,J,O,P. Sec 20 – 29. Sec 30 Unit A-L,N,O,P. Sec 31 Unit A,B,G,H,I,P. Sec 32 – Sec 36.

T 20S – R 31E

Sec 1 Unit A,B,C,E-P. Sec 2. Sec 3 Unit A,B,G,H,I,J,O,P. Sec 6 Unit D,E,F,J-P. Sec 7. Sec 8 Unit E-P. Sec 9 Unit E,F,J-P.

Sec 10 Unit A,B,G-P. Sec 11 – Sec 36.

T 21S – R 29E

Sec 1 – Sec 3. Sec 4 Unit L1 – L16,I,J,K,O,P. Sec 5 Unit L1. Sec 10 Unit A,B,H,P. Sec 11 – Sec 14. Sec 15 Unit A,H,I. Sec

23 Unit A,B. Sec 24 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 25 Unit A,O,P. Sec 35 Unit G,H,I,J,K,N,O,P. Sec 36 A,B,C,F – P.

T 21S – R 30E

Sec 1 – Sec 36

T 21S – R 31E

Sec 1 – Sec 36

T 22S – R 28E

Sec 36 Unit A,H,I,P.

T 22S – R 29E

Sec 1. Sec2. Sec 3 Unit I,J,N,O,P. Sec 9 Unit G – P. Sec 10 – Sec 16. Sec 19 Unit H,I,J. Sec 20 – Sec 28. Sec 29 Unit

A,B,C,D,G,H,I,J,O,P. Sec 30 Unit A. Section 31 Unit C – P. Sec 32 – Sec 36

T 22S – R 30E

Sec 1 – Sec 36

T 22S – R 31E

Sec 1 – Sec 11. Sec 12 Unit B,C,D,E,F,L. Sec 13 Unit E,F,K,L,M,N. Sec 14 – Sec 23. Sec 24 Unit C,D,E,F,K,L,M,N. Sec 25

Unit A,B,C,D. Sec 26 Unit A,BC,D,G,H. Sec 27 – Sec 34.

T 23S – R 28E

Sec 1 Unit A

T 23S – R 29E

Sec 1 – Sec 5. Sec 6 Unit A – I, N,O,P. Sec 7 Unit A,B,C,G,H,I,P. Sec 8 Unit A – L, N,O,P. Sec 9 – Sec 16. Sec 17 Unit

A,B,G,H,I,P. Sec 21 – Sec 23. Sec 24 Unit A – N. Sec 25 Unit D,E,L. Sec 26. Sec 27. Sec 28 Unit A – J, N,O,P. Sec 33

Unit A,B,C. Sec 34 Unit A,B,C,D,F,G,H. Sec 35. Sec 36 Unit B,C,D,E,F,G,K,L.

T 23S – R 30E

Sec 1 – Sec 18. Sec 19 Unit A – I,N,O,P. Sec 20, Sec 21. Sec 22 Unit A – N, P. Sec 23, Sec 24, Sec 25. Sec 26 Unit

A,B,F-P. Sec 27 Unit C,D,E,I,N,O,P. Sec 28 Unit A – H, K,L,M,N. Sec 29 Unit A – J, O,P. Sec 30 Unit A,B. Sec 32 A,B. Sec

33 Unit C,D,H,I,O,P. Sec 34, Sec 35, Sec 36.

T 23S – R 31E

Sec 2 Unit D,E,J,O. Sec 3 – Sec 7. Sec 8 Unit A – G, K – N. Sec 9 Unit A,B,C,D. Sec 10 Unit D,P. Sec 11 Unit G,H,I,J,M,N,O,P. Sec 12 Unit E,L,K,M,N. Sec 13 Unit C,D,E,F,G,J,K,L,M,N,O. Sec 14. Sec 15 Unit A,B,E – P.

Sec 16 Unit

I, K – P. Sec 17 Unit B,C,D,E, I – P. Sec 18 – Sec 23. Sec 24 Unit B – G, K,L,M,N. Sec 25 Unit B – G, J,K,L. Sec 26 – Sec

34. Sec 35 Unit C,D,E.

T 24S – R 29E

Sec 2 Unit A, B, C, D. Sec 3 Unit A

T 24S – R 30E

Sec 1 Unit A – H, J – N. Sec 2, Sec 3. Sec 4 Unit A,B,F – K, M,N,O,P. Sec 9 Unit A – L. Sec 10 Unit A – L, O,P. Sec 11.

Sec 12 Unit D,E,L. Sec 14 Unit B – G. Sec 15 Unit A,B,G,H.

T 24S – R 31E

Sec 3 Unit B – G, J – O. Sec 4. Sec 5 Unit A – L, P. Sec 6 Unit A – L. Sec 9 Unit A – J, O, P. Sec 10 Unit B – G, K – N. Sec

35 Unit E – P. Sec 36 Unit E, K, L, M, N.

T 25S – R 31E

Sec 1 Unit C, D, E, F. Sec 2 Unit A – H.

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

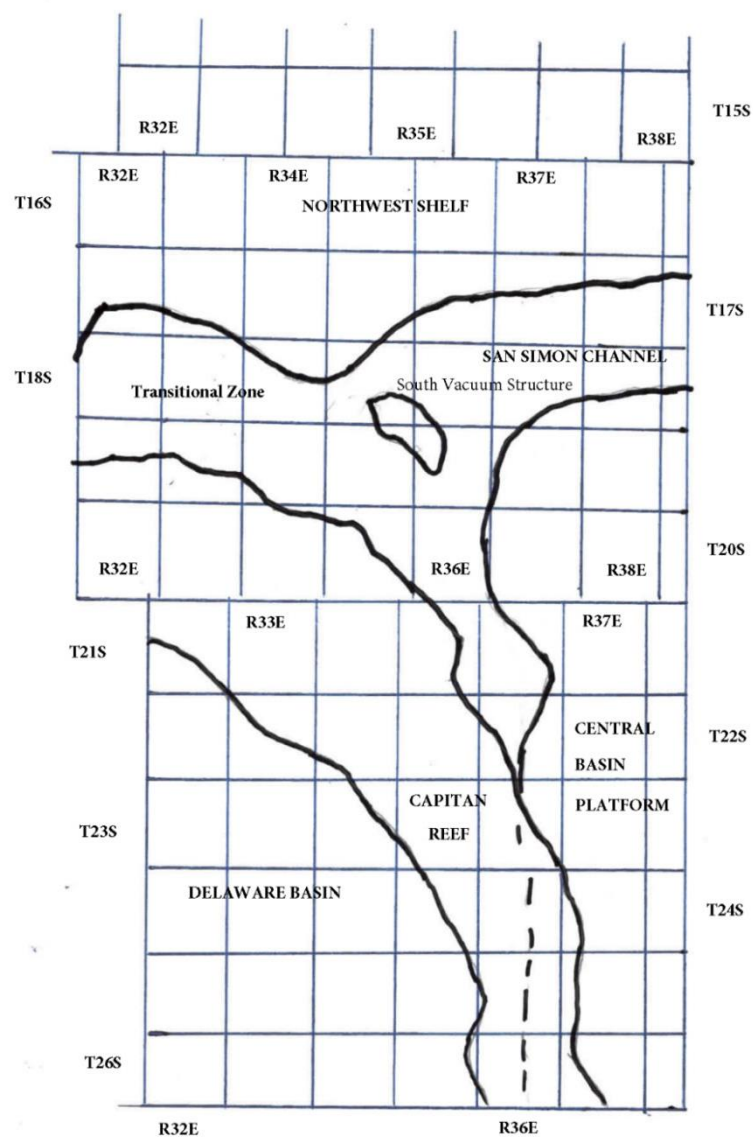


Figure D2 Formation Table

100' P'plug to isolate upper and lower fresh water zones (typiailly 2.50' to 350')						
NDItrthwest Shelf	C;iptan Reef Are<a	Trani5ition Zone	San Simon Oh.annel	South llacJUUm Structure	Delaware Basin	Ce<n,tiral Basin Platform
Granit \./ash (Detrital basement material and fractured pre-Cambrian basement rock)	Siluro-Devonian	Morrow	Siluro-Devonian	Ellenburger	Siluro-Devonian	Granit \./ash (Detrital basement material, fractured pre-Cambrian basement rock and fracture Mafic Volcanic intrusives).
Montoya	Mississippian	Atoka	Morrow	Mckee	Morrow	Ellenburger
Fusselman	Morrow	Strawn	\./olfcamp	Siluro-Devonian	Atoka	Connell
Woodford	Atoka	Cisco	Abo Reef	Woodford	Strawn	Waddell
Siluro-Devonian	Strawn	Pennsylvanian	Bone Spring	Mississippian	Pennsylvanian	Mckee
Chester	Pennsylvanian	\./olfcamp	Delaware	Barnett Shale	Low er \./olfcamp	Simpson Group
Austin	\./olfcamp	Bone Spring	San Andres	Morrow	Upper \./olfcamp	Montoya
Mississippian	Abo Reef, if present	Delaware	Queen	Atoka	\./olfcamp	Fusselman
Morrow	Abo, if present	San Andres	Yates	Strawn	Third Bone Spring Sand (Top of \./olfbone)	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		Blinebry	Brushy Canyon	Pennsylvanian
Pennsylvanian	Base Capitan Reef	Yates		Bone Spring	Delaw are (Base of Salt)	\./olfcamp
Bough	Seven Rivers	Base of Salt		San Andres	Rustler	Abo
\./olfcamp	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					Blinebry
Drinkard or Low er Yeso (Township 15 South to Township 17 South)						Paddock
Tubb (Township 15 South to Township 17 South)						Glorieta
Blinebry (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						

Sante Fe Main Office
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<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 426665

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 426665
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	Notify the OCD inspection supervisor via email 24 hours prior to beginning Plug & Abandon (P&A) operations.	2/7/2025
loren.diede	Submit CBL tif file to NMOCD for upload into the Well Log file.	2/7/2025
loren.diede	NMOCD has determined that this well is not within the LPCH restricted area and that an above-ground P&A marker is required.	2/7/2025