

Santa Fe Main Office  
Phone: (505) 476-3441  
General Information  
Phone: (505) 629-6116

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

State of New Mexico  
Energy, Minerals and Natural Resources

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

Form C-103  
Revised July 18, 2013

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)</p>		<p>WELL API NO. 30-045-07663</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other</p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/></p>
<p>2. Name of Operator GREAT WESTERN DRILLING COMPANY</p>		<p>6. State Oil &amp; Gas Lease No. CALLOW FEDERAL/NMNM73544</p>
<p>3. Address of Operator PO BOX 1659 MIDLAND TX 79702</p>		<p>7. Lease Name or Unit Agreement Name CALLOW FEDERAL</p>
<p>4. Well Location Unit Letter <u>I</u> : <u>1841</u> feet from the <u>SOUTH</u> line and <u>790</u> feet from the <u>EAST</u> line Section <u>33</u> Township <u>29N</u> Range <u>13W</u> NMPM County <u>SAN JUAN</u></p>		<p>8. Well Number 1</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5,500' GL</p>		<p>9. OGRID Number 9338</p>
		<p>10. Pool name or Wildcat TOTAH GALLUP</p>

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐  
 CLOSED-LOOP SYSTEM ☐  
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐  
 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.

- 1) MIRU unit.
- 2) Record casing & bradenhead pressures.
- 3) NU relief line, blow down well; if necessary, load & kill well with water.
- 4) POOH & LD remaining production tubing.
- 5) ND well head, NU BOPE
- 6) PU, RIH with tbg work string and tag Plug #7 top at 846', record PBTD.
- 7) RU pump and circulate hole with water for clean returns. POOH.
- 8) RU and run GR/CCL/CBL well log.
- 9) Evaluate log results.
- 10) Initiate balance of original 2022 plugging procedure OR remainder to be determined.

Spud Date:

September 29, 1959

Rig Release Date:

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

SIGNATURE



TITLE Contract Consulting Petroleum Engineer DATE 11/19/2025

Type or print name Billy W. Harris

E-mail address: engineer3@gwdc.com PHONE: (432) 682-5241

**For State Use Only**

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

**GREAT WESTERN DRILLING COMPANY**

**CALLOW FEDERAL #1**

**Proposed Plug & Abandonment Resumption Plan**

**1841' FSL, 790' FEL, Section 33, T29N, R13W**

**San Juan County, New Mexico**

**API: 30-045-07663**

- 1) MIRU unit.
- 2) Record casing & bradenhead pressures.
- 3) NU relief line, blow down well; if necessary, load & kill well with water.
- 4) POOH & LD remaining production tubing.
- 5) ND well head, NU BOPE
- 6) PU, RIH with tubing work string and tag Plug #7 top at 846', record PBTD.
- 7) RU pump and circulate hole with water for clean returns. POOH.
- 8) RU and run GR/CCL/CBL well log.
- 9) Evaluate log results.
- 10) Submit work proposal for final P&A.

**CALLOW FEDERAL #1**

P&amp;A'd Schematic - as of 6/10/2025

Section 33, T-29-N, R-13-W, 1,841 FSL &amp; 790 FEL

San Juan County, NM

**ELEVATIONS**

KB= 5,510'

GL= 5,509'

GL= 5,500'

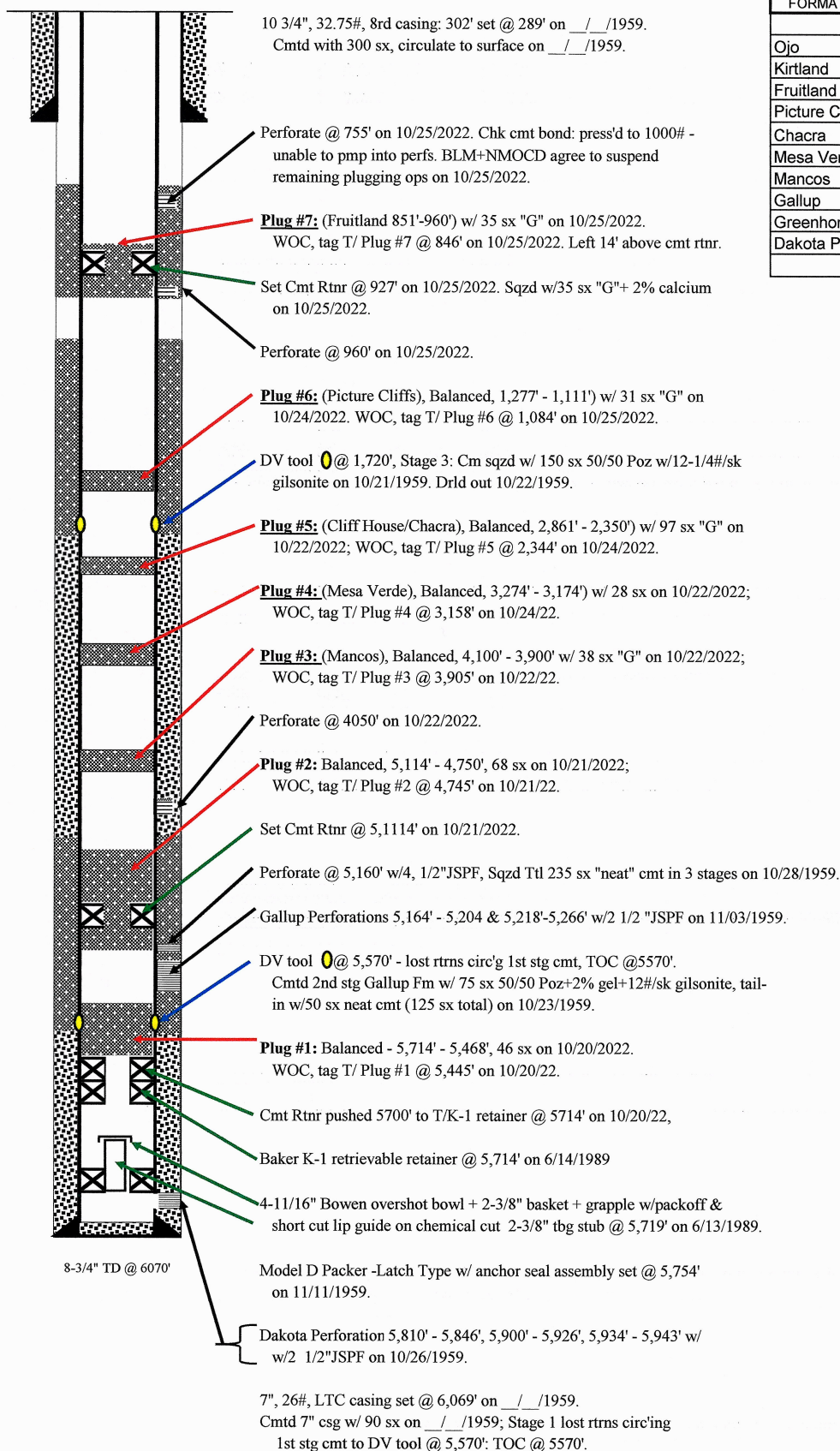
LSE SERIAL #: NMSF078931D

API: 30-045-07663

OGRID #: 009338

SPUD: 9/29/1959

COMPL: 11/13/1959



FORMATION	E-LOG TOP, KB
Ojo	476'
Kirtland	642'
Fruitland	1,327'
Picture Cliffs	1,650'
Chacra	2,400'
Mesa Verde	3,224'
Mancos	4,000'
Gallup	4,900'
Greenhorn Ls.	5,762'
Dakota Pay	5,810'

**Callow Federal #1****Proposed P&A**

1841' FSL, 790' FEL, Section 33, T-29-N, R-13-W,  
San Juan County, NM API #30-045-07663

Ojo Alamo @ 215'

12.25" hole

Kirtland @ 375'

Fruitland @ 1327'  
Pictured Cliffs @ 1650'  
Chacra @ 2400'  
Mesaverde @ 3224'  
Mancos @ 4000'  
Gallup @ 4900'

10-3/4", 32.75#, Casing set @ 302 Cement with 300 sxs. circulate to surface

**Perforate @ 425'**

Plug #7: 425' - 0'  
Class G cement, 150 sxs

DV Tool @ 1,720'  
Stage 3: C'mtd with 150 sxs  
**Set CR @ 5114'**  
Perforate @ 5160'

Plug #6: 1700' - 1277'  
Class G cement, 91 sxs  
Plug #5: 2450' - 2350'  
Class G cement, 29 sxs  
Plug #4: 3274' - 3174'  
Class G cement, 29 sxs  
Plug #3: 4050' - 3950'  
Class G cement, 29 sxs  
Plug #2: 5114' - 4850'  
Class G cement, 60 sxs

DV Tool @ 5570'  
Stage 2: C'mtd with 125 sxs Note: lost returns trying to Circ. squeezed w/ 125 sxs

Squeeze total 217 sxs in 3 stages

Gallup Perforations:

5164' - 5266'  
Plug #1: 5700' - 5600'  
Class G cement, 35 sxs

**Set CR @ 5700'**  
Model D Packer @ 5754'  
w/Bowen overshot bowl on chem cut

(excess due to open Gallup Perfs)

Dakota Perforations: 5810' - 5943'  
7" 26#, casing set @ 6069'

Dakota @ 5810'

8-3/4" Hole

TD 6070'  
PBTD 6022'

Stage 1: Cemented  
with 90 sxs

Well Name: CALLOW FEDERAL COM	Well Location: T29N / R13W / SEC 33 / NESE / 36.680878 / -108.204727	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078931D	Unit or CA Name: CALLOW FEDERAL	Unit or CA Number: NMNM73544
US Well Number: 3004507663	Operator: GREAT WESTERN DRILLING COMPANY	

Notice of Intent

Sundry ID: 2882989

Type of Submission: Notice of Intent

Date Sundry Submitted: 11/17/2025

Date proposed operation will begin: 12/01/2025

Type of Action: Plug and Abandonment

Time Sundry Submitted: 12:42

Procedure Description: RU and run GR/CCL/CBL well log. Evaluate the logs and submit a work proposal for final P&A.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Callow\_Federal\_\_1\_Proposed\_P\_A\_Schematic\_2025\_10\_31\_20251118163442.pdf
- Callow\_Federal\_\_1\_Totah\_Gallup\_PA\_10\_2022\_20251117123857.pdf
- Callow\_Federal\_\_1\_Wellbore\_Schematic\_as\_of\_2025\_06\_16\_20251117123556.pdf
- Callow\_Federal\_\_1\_\_3160\_5\_2025\_10\_31\_20251117123532.pdf



Received by OCD: 12/4/2025 2:19:11 PM

Page 6 of 18

Well Name: CALLOW FEDERAL COM	Well Location: T29N / R13W / SEC 33 / NESE / 36.680878 / -108.204727	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078931D	Unit or CA Name: CALLOW FEDERAL	Unit or CA Number: NMNM73544
US Well Number: 3004507663	Operator: GREAT WESTERN DRILLING COMPANY	

Conditions of Approval

Specialist Review

General\_Requirement\_PxA\_20251119091302.pdf  
2882989\_1\_3004507663\_NOIA\_KR\_11192025\_20251119091228.pdf

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: GINA KING  
Signed on: NOV 18, 2025 04:34 PM  
Name: GREAT WESTERN DRILLING COMPANY  
Title: Production Tech  
Street Address: 700 W LOUISIANA  
City: MIDLAND State: TX  
Phone: (432) 682-5241  
Email address: GKING@BASINOILANDGAS.COM

Field

Representative Name: BILLY HARRIS  
Street Address: 700 W LOUISIANA  
City: MIDLAND State: TX Zip: 79701  
Phone: (432)682-5241  
Email address: engineer3@gwdc.com

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK  
BLM POC Title: Petroleum Engineer  
BLM POC Phone: 5055647742  
BLM POC Email Address: krennick@blm.gov  
Disposition: Approved  
Disposition Date: 11/19/2025  
Signature: Kenneth Rennick

Form 3160-5  
(October 2024)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0220  
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well  
☐ Oil Well    ☐ Gas Well    ☐ Other

2. Name of Operator

3a. Address      3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240



## **Additional Information**

### **Location of Well**

0. SHL: NESE / 1870 FSL / 780 FEL / TWSP: 29N / RANGE: 13W / SECTION: 33 / LAT: 36.680878 / LONG: -108.204727 ( TVD: 0 feet, MD: 0 feet )

BHL: NESE / 1870 FSL / 780 FEL / TWSP: 29N / SECTION: / LAT: 36.680878 / LONG: 108.204727 ( TVD: 0 feet, MD: 0 feet )

**Callow Federal #1****Proposed P&A**

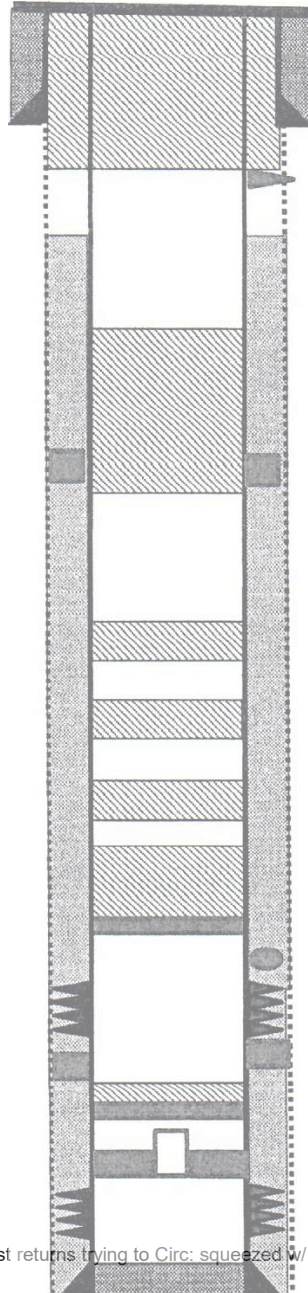
1841' FSL, 790' FEL, Section 33, T-29-N, R-13-W,  
San Juan County, NM API #30-045-07663

Ojo Alamo@ 215'

Kirtland @ 375'

Fruitland @ 1327'  
Pictured Cliffs@ 1650'  
Chacra @ 2400'  
Mesaverde @ 3224'  
Mancos @ 4000'  
Gallup @ 4900'

12.25" hole



DV Tool@ 5570'  
Stage 2: Cmted with 125 sxs Note: lost returns trying to Circ: squeezed w/125 sxs

Dakota@5810'

8-3/4" Hole

TD 6070'  
PBTD 6022'

10-3/4", 32.75#, Casing set@ 302 Cement with 300 sxs. circulate to surface

Perforate @ 425'

Plug #7: 425' - 0'  
Class G cement, 150 sxs

DV Tool(@1. 720'  
Stage 3: C"mtd with 150 sxs  
**Set CR@5114'**  
Perforate@ 5160'

Plug #6: 1700' - 1277'  
Class G cement, 91 sxs  
Plug #5: 2450' - 2350'  
Class G cement, 29 sxs  
Plug #4: 3274' - 3174'  
Class G cement, 29 sxs  
Plug #3: 4050' - 3950'  
Class G cement, 29 sxs  
Plug #2: 5114' - 4850'  
Class G cement. 60 sxs

Squeeze total 217 sxs in 3 stages

Gallup Perforations:

5164' - 5266'

Plug #1: 5700' - 5600'

Class G cement, 35 sxs

Set CR @ 5700'

Model D Packer@ 5754'  
w/Bowen overshot bowl on  
chem cut

Dakota Perforations: 5810' -  
5943'

7" 26#, casing set @ 6069'

(excess due to open Gallup  
Perfs)

Stage 1: Cemented  
with 90 sxs

CALLOW FEDERAL NO. 1 API 30-045-07663  
SEC 33 T29N R13W  
UL "I" 1841' FSL & 790' FEL SAN JUAN COUNTY, NEW MEXICO

10-17-2022 HELD JSA. MOVE IN RIG EQUIPMENT. RU A PLUS WELL SERVICE RIG #4. BLED WELL DOWN TO PIT. PU ON ROD STRING. UNSEA PUMP. POOH LAYING DOWN 3/4" RODS. ND WELLHEAD. NU BOP & FUNCTION TEST. SDFN.

10-18-22 HELD JSA. LD 183 JTS 2-3/8" J-55 TUBING. PU ON LONG STRING. WORKED ONE HOUR ON GETTING TUBING TO COME FREE. LD 14 JTS TUBING, STANDING FULL OF FLUID. LD 6 JTS TUBING. OPERATOR WILL WAIT TO USE TUBING PUNCH TO CLEAR & LD TUBING IN THE AM. SDFN.

10-19-22 HELD JSA. LD 189 JTS 2-3/8" W/ STINGER (TUBING HAD MULTIPLE PARAFFIN BRIDGES). RU A-PLUS WIRELINE. RIH W/ 7" GAUGE RING AND STACK OUT AT 5175' (MID GALLUP PERFS). POOH. RD WIRELINE. PU & RIH W/ MILL ON 2-3/8" WORKSTRING TO 5714'. TOO. CLOSED BLIND RAMS. SDFN.

10-20-22 SDFD

10-21-22 HELD JSA. SET CEMENT RETAINER @ 5114'. LOAD WELL W/ 76 BBLS & CIRCULATED HOLE WITH CLEAN RETURNS. ATTEMPT TO TEST CASING TO 800 PSI. BLED DOWN 200 PSI IN 10 MINUTES. PUMPED 2 BBLS AND PRESSURED UP TO 1000 PSI. OK. RECEIVED VERBAL APPROVAL FROM RON CHAVEZ, BLM TO PUMP BALANCED PLUG ABOVE CEMENT RETAINER. WOC. PUMPED PLUG #2 FROM 5114'-4750' (GALLUP) USING 68 SX CMT AND DISPLACED W/ 18 BBLS. LD 13 JOINTS TUBING. POOH W/ STINGER ON 2-3/8" TUBING. RU WIRELINE. RIH TO 4700' AND RAN CEMENTBOND LOG. SENT TO RON CHAVEZ, BLM AND WANTS TO PERF AT 4050'. RIH & TAG PLUG #2 @ 4745'. POOH. CLOSED BLIND RAMS. SDFN.

10-22-22 HELD JSA. RU WIRELINE. RIH & PERF 7" CASING @ 4050'. POOH & RD WIRELINE. CHECK PUMP-IN RATE. PUMPED 2 BBLS AND PRESSURED UP CASING TO 1000 PSI. HELD OK. NOTIFIED RON CHAVEZ, BLM. HE WANTS TO PUMP A BALANCED PLUG TO COVER MANCOS PERFS 4050' - 3950'. PUMPED PLUG #3 USING 38 SX CMT MIXED W/ CALCIUM CHLORIDE TO COVER 4100' - 3900'. DISPLACED W/ 15 BBLS. WOC. RIH & TAG PLUG #3 @ 3905'. PUMPED PLUG #4 (MESAVERDE 3274' - 3174') USING 28 SX CMT & DISPLACED W/ 12.5 BBLS. LD 5 JOINTS TUBING. CLOSED PIPE RAMS. SDFN.

10-23-22 SDFD

10-24-22 HELD JSA. TP 0 PSI CP 0 PSI BH 20 PSI RIH & TAG PLUG # 4 (MESA VERDE) @ 3258'. LD TUBING TO 2861'. BROKE CIRCULATION & TESTED CASING TO 750 PSI. LOST 100 PSI IN 3 MINUTES. BLM ON LOCATION & OK'D TEST. MIX & PUMP PLUG # 5 (CLIFF HOUSE / CHACRA) 2861' - 2350' USING 97 SX CLASS "G" CMT CONTAINING 2% CALCIUM. LD 17 JOINTS TUBING TO 2322'

CALLOW FEDERAL NO. 1 API 30-045-07663  
SEC 33 T29N R13W  
UL "I" 1841' FSL & 790' FEL SAN JUAN COUNTY, NEW MEXICO

10-24-22 PU WITH TUBING @ 1562'. WOC. RIH AND TAG PLUG # 5 @ 2344'. MIX AND PUMP PLUG # 6 (PICTURED CLIFFS) 1277'-1111' USING 31 SX CLASS "G" CMT. DISPLACED W/ 4 BBLS. LD 6 JOINTS TUBING. PU W/ TUBING @ 454'CLOSED PIPE RAMS. SDFN.

10-25-22 HELD JSA. SITP 0# SICP 0# BH 110# BH BLED TO 0# IN 5 MINUTES. RIH & TAG PLUG # 6 @ 1084'. BLM/NMOCD REQUEST TO PERF @ 960' & SET CMT RETAINER @ 927' TO SQUEEZE) RU WL & PERF @ 960'. EST INJ RATE ½ BPM @ 750#. RIH & SET RETAINER @ 927'. MIX & PUMP PLUG # 7 (FRUITLAND) 851'-960' USING 35 SX CLASS "G" CMT CONTAINING 2% CALCIUM LEAVING 14 SX ABOVE CMT RETAINER. WOC. BRADENHEAD 105 PSI. RIH & TAG PLUG # 7 @ 846'. RU WIRELINE & PERF @ 755'. RD WL. ATTEMPT TO ESTABLISH INJECTION RATE. PRESSURED UP TO 1000#. LOST 200 PSI IN 2 MINUTES. UNABLE TO PUMP INTO PERF @ 755'. BLM/NMOCD AGREED TO MONITOR & VENT BRADENHEAD FOR 30 DAYS TO FLOW BACK TANK BEFORE PROCEEDING W/ P&A. ONE WEEK OPEN TO TANK & THEN SHUT IN FOR 24 HOURS MONITORING PRESSURE. RIH W/ TBG & LD ALL PIPE. ND BOP. NU WH. RDPU. NOTE: BRADENHEAD 110 PSI.

**CALLOW FEDERAL #1**

P&amp;A'd Schematic - as of 6/16/2025

Section 33, T-29-N, R-13-W, 1,841 FSL & 790 FEL  
San Juan County, NM**ELEVATIONS**KB= 5,510'  
GL= 5,509'  
GL= 5,500'

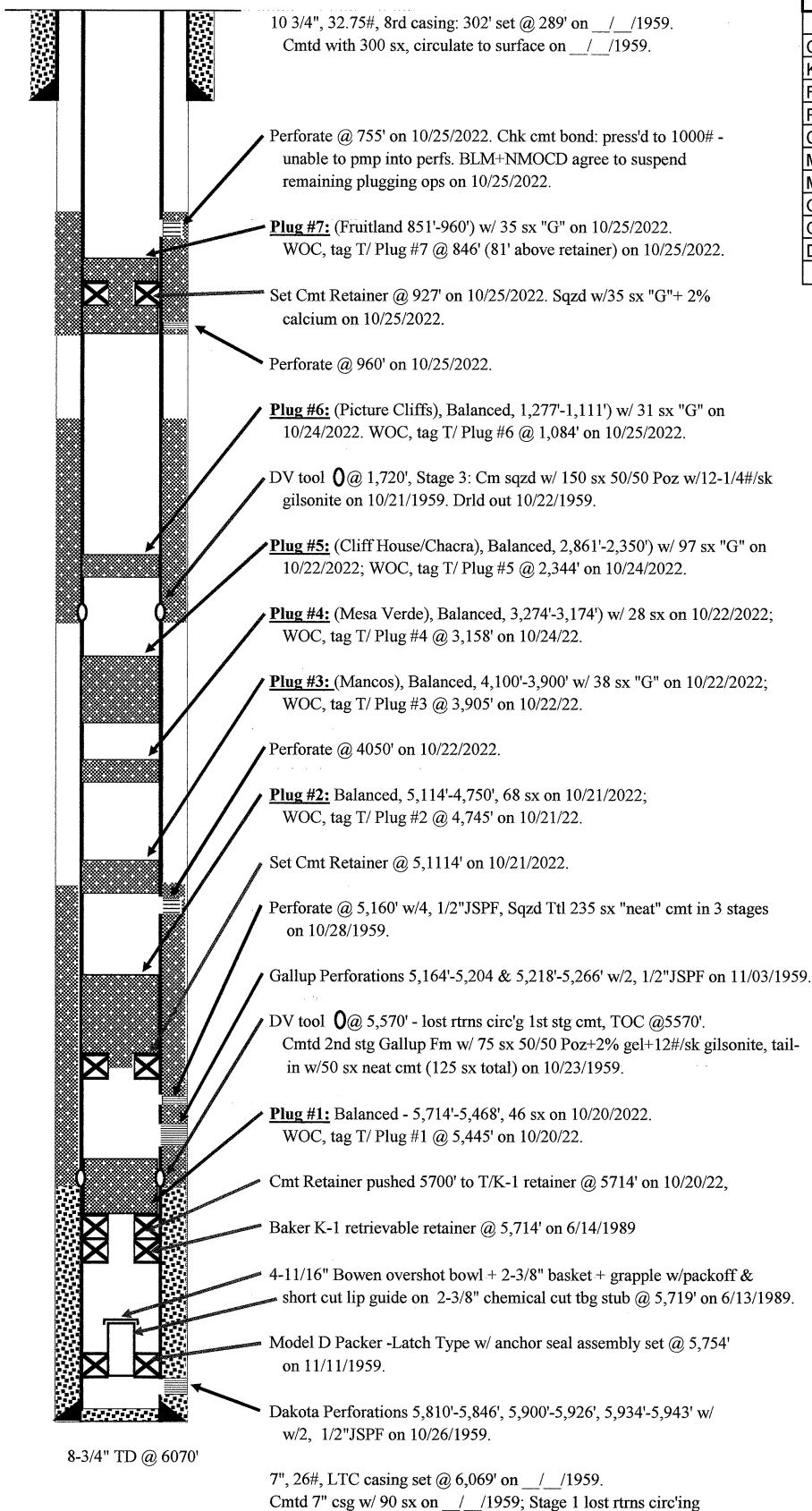
LSE SERIAL #: NMSF078931D

API: 30-045-07663

OGRID #: 009338

SPUD: 9/29/1959

COMPL: 11/13/1959



FORMATION	E-LOG TOP, KB
Ojo	476'
Kirtland	642'
Fruitland	1,327'
Picture Cliffs	1,650'
Chacra	2,400'
Mesa Verde	3,224'
Mancos	4,000'
Gallup	4,900'
Greenhorn Ls.	5,762'
Dakota Pay	5,810'



Form 3160-5  
(October 2024)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0220  
Expires: October 31, 2027**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMSF078931D

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit of CA/Agreement, Name and/or No.

CALLOW FEDERAL/NMNM73544

8. Well Name and No. CALLOW FEDERAL #1

9. API Well No. 30-045-07663

10. Field and Pool or Exploratory Area  
BASIN DAKOTA; TOTAH GALLUP11. Country or Parish, State  
SAN JUAN COUNTY, NEW MEXICO

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

GREAT WESTERN DRILLING COMPANY, LLC.

3a. Address 700 W. LOUISIANA, MIDLAND, TEXAS 79701

3b. Phone No. (include area code)  
(432) 682-5241

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790' FEL, 1841' FSL, UNIT LETTER I, SEC. 33, T29N, R13W

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

- 1) MIRU unit.
- 2) Record casing & bradenhead pressures.
- 3) NU relief line, blow down well; if necessary, load & kill well with water.
- 4) POOH & LD remaining production tubing.
- 5) ND well head, NU BOPE
- 6) PU, RIH with tbg work string and tag Plug #7 top at 846', record PBTD.
- 7) RU pump and circulate hole with water for clean returns. POOH.
- 8) RU and run GR/CCL/CBL well log.
- 9) Evaluate log results.
- 10) Initiate balance of original 2022 plugging procedure OR remainder to be determined.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

BILLY W. HARRIS

CONTRACT CONSULTING PETROLEUM ENGINEER, GWDC

Title

Signature

Date

10/31/2025

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)



**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

**4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required 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. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Farmington District Office  
6251 College Boulevard, Suite A  
Farmington, New Mexico 87402  
<http://www.blm.gov/nm>



## CONDITIONS OF APPROVAL

November 19, 2025

### Notice of Intent – Plug and Abandonment

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**Operator:** Great Western Drilling Company  
**Lease:** NMSF 078931D  
  
**Well(s):** Callow Federal Com 1, US Well # 30-045-07663  
**Location:** NESE Sec 33 T29N R13W (San Juan, NM)  
**Sundry Notice ID #:** 2882989

The Notice of Intent to Plug and Abandon is accepted with the following Conditions of Approval (COA):

1. Plugging work is to be completed by March 1, 2026.
2. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
3. The following modifications to your plugging program are to be made:
  - a. Send well log via email to Bureau of Land Management (Kenneth Rennick; email [krennick@blm.gov](mailto:krennick@blm.gov)) for review. And include confirmation of procedure to complete plugging work. The Bureau of Land Management reserves the right to require modifications of the procedure.
4. **Notification:** Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564 7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

K. Rennick 11/19/2025

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 531520

CONDITIONS

Operator: GREAT WESTERN DRILLING CO P.O. Box 1659 Midland, TX 79701	OGRID: 9338
	Action Number: 531520
	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.	12/10/2025
loren.diede	In addition to the GR/CCL/CBL log, NMOCD will require a 2 pass Audio Log, one with well BH SI and one with well BH open. NMOCD will meet prior to running logs with details as to how the logs are to be run to satisfy this requirement. The results of the logging runs will determine the next steps in the plugging of this well.Contact NMOCD Engineering Special Projects for details.	12/10/2025