

Well Name: INDIAN I	Well Location: T28N / R3W / SEC 34 / NWNW / 36.6015272 / -107.1447625	County or Parish/State: RIO ARRIBA / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC61	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003929290	Operator: LOGOS OPERATING LLC	

Notice of Intent

Sundry ID: 2880862

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/30/2025

Time Sundry Submitted: 10:47

Date proposed operation will begin: 10/30/2025

Procedure Description: LOGOS Operating, LLC requests permission to plug and abandoned the subject well per the attached procedure and wellbore diagram.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Indian_I_4_P_A_Procedure_20251030104706.pdf

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Operator: LOGOS OPERATING LLC

Conditions of Approval**Authorized**

Indian_I_4_Geo_Rpt_20251103093742.pdf

2880862_I_4_3003929290_NOIA_KR_11032025_20251103093738.pdf

General_Requirement_PxA_20251103093732.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: ETTA TRUJILLO

Signed on: OCT 30, 2025 10:48 AM

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 AFTON PLACE

City: FARMINGTON

State: NM

Phone: (505) 324-4154

Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

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: 11/03/2025

Signature: Kenneth Rennick



Proposed Plug and Abandonment Procedure

Indian I 4

API: 30-039-29290

Notes:

- LOGOS requests to P&A the subject well.
 - All proposed plugs are inside only and include 50' excess.
 - All cement will be Class G with a 1.15 cf/sk yield or equivalent.
 - BLM & Jicarilla will be notified at least 24 hours prior to beginning work.
 - A CBL is on file for this well showing TOC behind the liner at the TOL.
 - Cement was circulated to surface for both the production and surface casing.
 - The subject well has been temporarily abandoned since 2017 with a cast iron bridge plug (CIBP) at 5568'.
 - There is an 88' tubing fish below the CIBP at 5568'.
1. Comply with all tribal, BLM, and LOGOS safety rules and regulations. Conduct safety meeting for all personnel on location.
 2. MOL and RU. Lay flow lines. Check and record bradenhead and casing pressures.
 3. Roll hole with fresh water and pressure test the casing to 560 psi for 15 minutes.
 4. PU work string and TIH.
 5. **Plug #1: 5418-5568' (Perforations: 5578' / CIBP: 5568')**: Mix and spot 12 sx Class G cement.
 6. **Plug #2: 3938'-4088' (Mesaverde: 4038')**: Mix and spot 12 sx Class G cement.
 7. **Plug #3: 3050'-3651' (Pictured Cliffs top: 3601' / Fruitland top: 3491' / Kirtland top: 3399' / Ojo Alamo: 3150')**: Mix and spot 119 sx Class G cement.
 8. **Plug #4: 1896'-2046' (Nacimiento top: 1996')**: Mix and spot 30 sx Class G cement.
 9. **Plug #5: 0'-386' (Surface casing shoe: 336')**: Mix and spot 77 sx Class G cement.
 10. ND BOP and cut off wellhead below surface casing flange. Top off with cement if needed. Install P&A marker with cement per regulations. Photograph P&A marker in place. Cut off anchors and restore location per BLM stipulations.



Indian I 4 P&A Planning

Formations	Tops (ft)
Surface	0
Csg Shoe	336
Nacimiento	1996
Ojo Alamo	3150
Kirtland	3399
Fruitland Coal	3491
Pictured Cliffs	3601
Mesaverde	4038
CIBP	5568

7" csg cap	0.2273	cf/ft
4-1/2" csg cap	0.0896	cf/ft

Yield	1.15
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Plugs	Reason	Inside/Outside	Top	Bottom	Length of Plug (ft)	Top (incl 50' excess)	Plug Length (ft - incl 50' excess)	Inside Csg Volume (cf/ft)	Outside Csg Volume (cf/ft)	# of sx inside (1.15 yield)	# of sx outside (1.15 yield & 100% excess or 50' inside csg)	Total # sx
1	Perfs/CIBP	Inside	5468	5568	100	5418	150	0.0896	-	12		12
2	MV	Inside	3988	4088	100	3938	150	0.0896	-	12		12
3	PC/FC/Kirt/Ojo	Inside	3100	3651	551	3050	601	0.2273	-	119		119
4	Nacimiento	Inside	1946	2046	100	1896	150	0.2273	-	30		30
5	Surf	Inside	0	386	386	NA	NA	0.2273	-	77		77
Grand total cmt												250

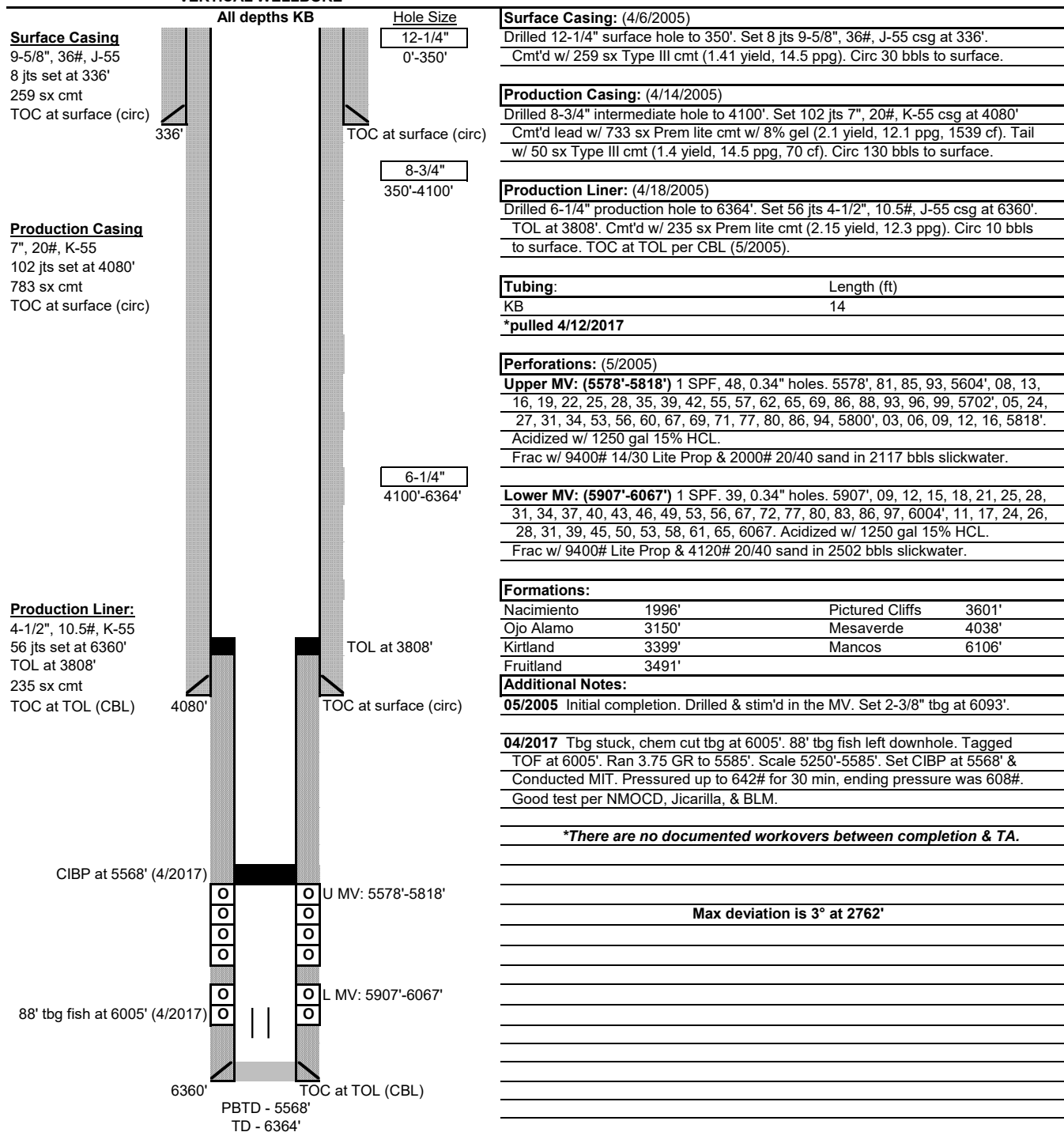


Wellbore Schematic

Well Name: Indian I 4
 Location: D, Sec 34, T28N, R03W 660' FNL & 660' FWL
 County: Rio Arriba, NM
 API #: 30-039-29290
 Co-ordinates: Lat 36.6015816° Long -107.1448441° NAD83
 Elevations: GROUND: 6949'
 KB: 6963'
 PBD: 5568'
 TD: 6364'

Date Prepared: 3/9/2022 Moss
 Reviewed By: 3/10/2022 Peace
 Last Updated: 12/26/2024 Moss
 Spud Date: 4/5/2005
 Completion Date: 5/16/2005
 Last Workover Date: 4/12/2017

VERTICAL WELLBORE



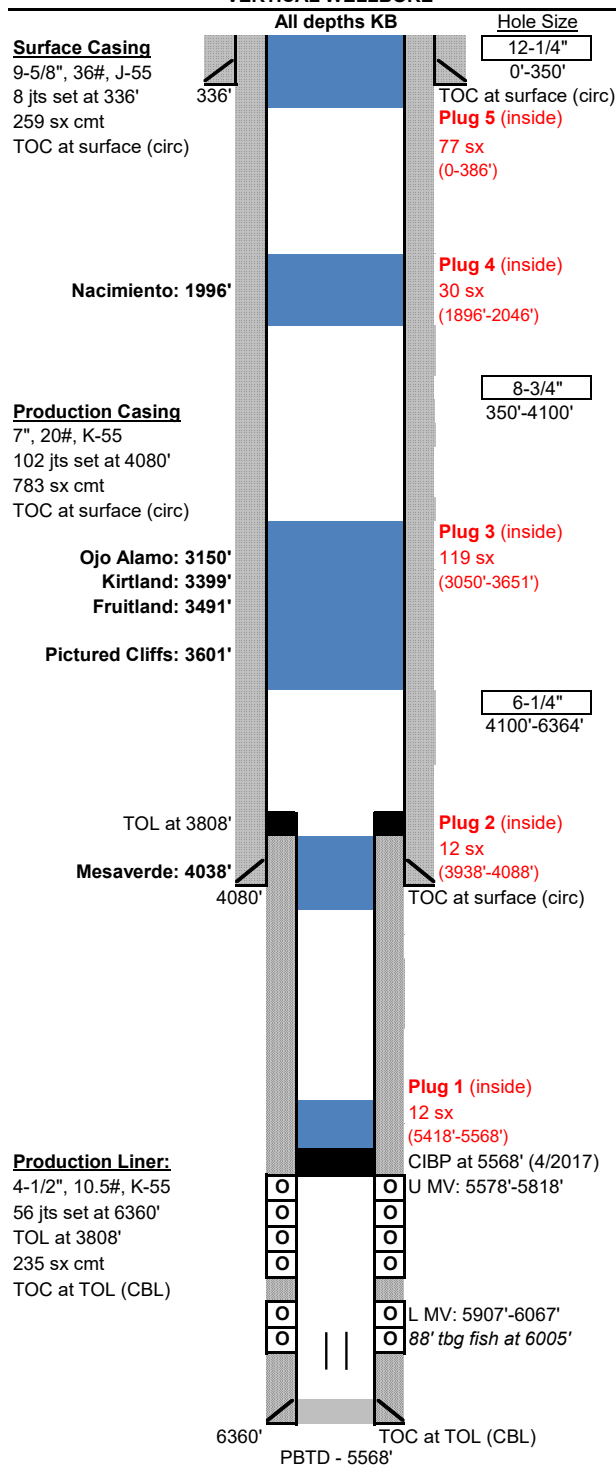


Proposed P&A Wellbore Schematic

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VERTICAL WELLBORE



Surface Casing: (4/6/2005)

Drilled 12-1/4" surface hole to 350'. Set 8 jts 9-5/8", 36#, J-55 csg at 336'.
 Cmt'd w/ 259 sx Type III cmt (1.41 yield, 14.5 ppg). Circ 30 bbls to surface.

Production Casing: (4/14/2005)

Drilled 8-3/4" intermediate hole to 4100'. Set 102 jts 7", 20#, K-55 csg at 4080'.
 Cmt'd lead w/ 733 sx Prem lite cmt w/ 8% gel (2.1 yield, 12.1 ppg, 1539 cf). Tail
 w/ 50 sx Type III cmt (1.4 yield, 14.5 ppg, 70 cf). Circ 130 bbls to surface.

Production Liner: (4/18/2005)

Drilled 6-1/4" production hole to 6364'. Set 56 jts 4-1/2", 10.5#, J-55 csg at 6360'.
 TOL at 3808'. Cmt'd w/ 235 sx Prem lite cmt (2.15 yield, 12.3 ppg). Circ 10 bbls
 to surface. TOC at TOL per CBL (5/2005).

Tubing:

Length (ft)

KB 14

*pulled 4/12/2017

Perforations: (5/2005)

Upper MV: (5578'-5818') 1 SPF, 48, 0.34" holes. 5578', 81, 85, 93, 5604', 08, 13, 16,
 19, 22, 25, 28, 35, 39, 42, 55, 57, 62, 65, 69, 86, 88, 93, 96, 99, 5702', 05, 24, 27,
 31, 34, 53, 56, 60, 67, 69, 71, 77, 80, 86, 94, 5800', 03, 06, 09, 12, 16, 5818'.
 Acidized w/ 1250 gal 15% HCL.
 Frac w/ 9400# 14/30 Lite Prop & 2000# 20/40 sand in 2117 bbls slickwater.

Lower MV: (5907'-6067') 1 SPF, 39, 0.34" holes. 5907', 09, 12, 15, 18, 21, 25, 28, 31,
 37, 40, 43, 46, 49, 53, 56, 67, 72, 77, 80, 83, 86, 97, 6004', 11, 17, 24, 26, 28, 31,
 39, 45, 50, 53, 58, 61, 65, 6067'. Acidized w/ 1250 gal 15% HCL.
 Frac w/ 9400# Lite Prop & 4120# 20/40 sand in 2502 bbls slickwater.

Formations:

Formation	Depth (ft)	Formation	Depth (ft)
Nacimiento	1996'	Pictured Cliffs	3601'
Ojo Alamo	3150'	Mesaverde	4038'
Kirtland	3399'	Mancos	6106'
Fruitland	3491'		

Additional Notes:

05/2005 Initial completion. Drilled & stim'd in the MV. Set 2-3/8" tbg at 6093'.

04/2017 Tbg stuck, chem cut tbg at 6005'. 88' tbg fish left downhole. Tagged
 TOF at 6005'. Ran 3.75 GR to 5585'. Scale 5250'-5585'. Set CIBP at 5568' &
 Conducted MIT. Pressured up to 642# for 30 min, ending pressure was 608#.
 Good test per NMOCD, Jicarilla, & BLM.

***There are no documented workovers between completion & TA.**

Max deviation is 3° at 2762'

Date Completed 10/31/2025

FNL	660	FWL
T28N		R3W

Elevation	Est. KB	6963
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Reference Well:

Prepared by: Walter Gage



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 11, 2025

Notice of Intent – Plug and Abandonment

Operator: Logos Operating LLC
Lease: JIC 61

Well(s): Indian I 4, US Well # 30-039-29290
Location: NWNW Sec 34 T28N R3W (Rio Arriba, NM)
Sundry Notice ID #: 2880862

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

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. The following modifications to your plugging program are to be made:
 - a. Modify Plug 3. Make the TOC 3050' to cover the BLM Geologist's pick for the Ojo Alamo at 3150'.
3. **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 11/03/2025

**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 H₂S.

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.

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 525788

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 525788
	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.	11/14/2025
loren.diede	Submit photo and GPS coordinates of the P&A marker with the C-103P subsequent report.	11/14/2025