

Submit 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. 30-039-26165
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NMSF078893
7. Lease Name or Unit Agreement Name ROSA UNIT
8. Well Number 500
9. OGRID Number 289408
10. Pool name or Wildcat BASIN FRUITLAND COAL

<p>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.)</p>	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator LOGOS OPERATING LLC	
3. Address of Operator 2010 AFTON PLACE, FARMINGTON, NM 87401	
4. Well Location Unit Letter D : 1455 feet from the N line and 1780 feet from the E line Section 23 Township 31N Range 4W NMPM County RIO ARRIBA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 6589	

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"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

Please see attached P&A Procedure for Rosa Unit 500. Final Reclamation will be completed when the pad is Final Abandoned.

Spud Date:

Rig Release Date:

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

SIGNATURE Dacye Shull TITLE Regulatory Technician DATE 03/31/2023

Type or print name Dacye Shull E-mail address: dshull@logosresourcesllc.com PHONE: (505) 787-2027

For State Use Only MK this is a federal well

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**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. **NMSF078893**

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other2. Name of Operator **LOGOS OPERATING LLC**3a. Address **2010 AFTON PLACE, FARMINGTON, NM 87401** 3b. Phone No. (include area code)
(505) 278-87204. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 23/T31N/R4W/NMP

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

8. Well Name and No. **ROSA UNIT/500**9. API Well No. **3003926165**10. Field and Pool or Exploratory Area
Basin Fruitland Coal/BASIN FRUITLAND COAL11. Country or Parish, State
RIO ARRIBA/NM**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 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 recompleation 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.)

Please see attached P&A Procedure for Rosa Unit 500. Final Reclamation will be completed when the pad is Final Abandoned.

Procedure reflects the required COA 09/29/2023

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
DACYE SHULL / Ph: (505) 324-4145Title **REGULATORY TECH**

Signature (Electronic Submission)

Date **10/03/2023****THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

KENNETH G RENNICK / Ph: (505) 564-7742 / ApprovedTitle **Petroleum Engineer**Date **10/03/2023**

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 **FARMINGTON**

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 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: NWNW / 990 FNL / 970 FWL / TWSP: 31N / RANGE: 4W / SECTION: 23 / LAT: 36.889604 / LONG: -107.22992 (TVD: 0 feet, MD: 0 feet)

BHL: NWNW / 990 FNL / 970 FWL / TWSP: 31N / SECTION: / LAT: 36.889604 / LONG: 107.22992 (TVD: 0 feet, MD: 0 feet)



Proposed Plug and Abandonment Procedure

Rosa Unit 500

API: 30-039-26165

Notes:

- LOGOS requests to P&A the subject well.
 - All cement volumes use 100% excess outside pipe and 50' excess inside.
 - All cement will be Class G with a 1.15 cf/sk yield or equivalent.
 - There is a cast iron bridge plug (CIBP) at 3484'.
1. Comply with all NMOCD, BLM, Forest Service, 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.
 - a. If pressure test fails, tag and record each plug top and top off with more cement if necessary.
 4. **Plug #1: 3226'-3484' (Fruitland top: 3540' / CIBP: 3484' / Kirtland top: 3276')**: Mix and spot 36 sx Class G cement.
 5. **Plug #2: 2958'-3108' (Ojo Alamo top: 3058')**: Mix and spot 25 sx Class G cement.
 6. **Plug #3: 1350'-1500' (Nacimiento top: 1400')**: Mix and spot 25 sx Class G cement.
 7. **Plug #4: 0' - 577' (Surface casing shoe: 527')**: Mix and spot 73 sx Class G cement. Top off with extra cement as needed.
 8. 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.



Rosa Unit 500 P&A Planning

Formations	Tops (ft)
Surface	0
Csg Shoe	527
Nacimiento	1400
Ojo Alamo	3058
Kirtland	3276
CIBP	3484
Fruitland	3540

5.5" csg capacity 0.1336 cf/ft

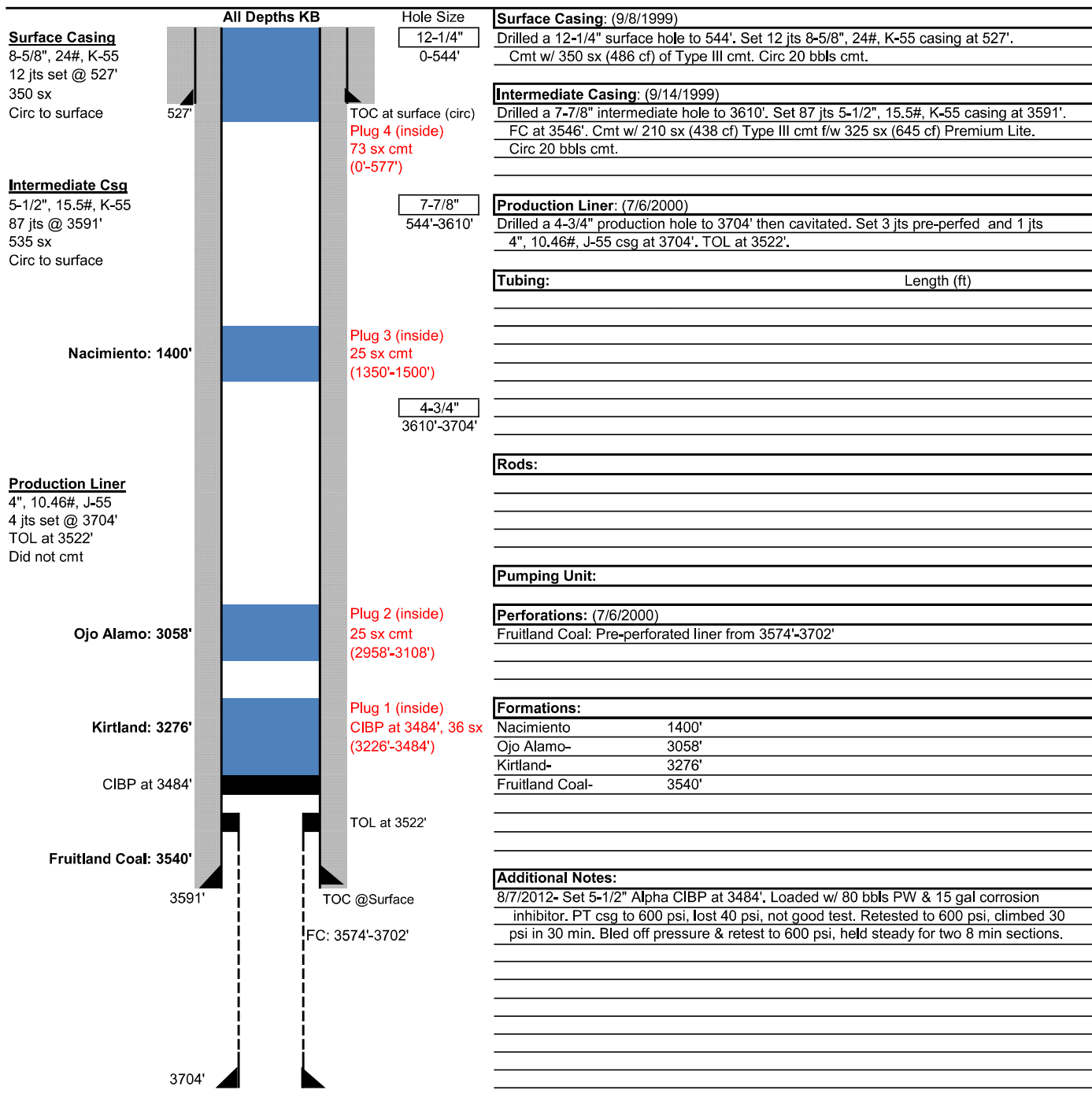
Yield 1.15

Plugs	Reason	Inside/Outside	Top	Bottom	Total Length of Plug (ft)	Inside Csg Volume (cf/ft)	Outside Csg Volume (cf/ft)	# of sx inside (1.15 yield & 50' excess)	# of sx outside (1.15 yield & 100% excess)	Total # sx
1	Kirtland/CIBP/FC	Inside	3226	3484	258	0.1336	-	36		36
2	Ojo	Inside	2958	3108	150	0.1336	-	25		25
3	Nacimiento	Inside	1350	1500	150	0.1336	-	25		25
4	Surface	Inside	0	577	577	0.1336	-	73		73
Grand total cmt										159



Well Name: Rosa Unit 500
 Location: Sec 23, T31N, R04W 990' FNL & 970' FWL
 County: Rio Arriba
 API #: 30-039-26165
 Co-ordinates: Lat 36.8896065 Long -107.2299347
 Elevations: GROUND: 6844'
 KB: 6861'
 Depths (KB): PBD: 3702'
 TD: 3704'

Date Prepared: 6/8/2022 Gomez
 Reviewed by: 6/14/2022 Peace
 Spud Date: 9/6/1999
 Completion Date: 7/6/2000
 Last Workover Date: 8/7/2012



Well Name: ROSA UNIT	Well Location: T31N / R4W / SEC 23 / NWNW / 36.889604 / -107.22992	County or Parish/State: RIO ARRIBA / NM
Well Number: 500	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMSF078893	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003926165	Well Status: Temporarily Abandoned	Operator: LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2754630

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/03/2023

Time Sundry Submitted: 01:02

Date proposed operation will begin: 10/03/2023

Procedure Description: Please see attached P&A Procedure for Rosa Unit 500. Final Reclamation will be completed when the pad is Final Abandoned. Procedure reflects the required COA 09/29/2023

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

3160_5_Rosa_Unit_500_P_A_Procedure_NOI_20231003pdf_20231003130056.pdf

Well Name: ROSA UNIT

Well Location: T31N / R4W / SEC 23 /
NWNW / 36.889604 / -107.22992County or Parish/State: RIO
ARRIBA / NM

Well Number: 500

Type of Well: OTHER

Allottee or Tribe Name:

Lease Number: NMSF078893

Unit or CA Name:

Unit or CA Number:

US Well Number: 3003926165

Well Status: Temporarily Abandoned

Operator: LOGOS OPERATING
LLC**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: DACYE SHULL

Signed on: OCT 03, 2023 01:01 PM

Name: LOGOS OPERATING LLC

Title: REGULATORY TECH

Street Address: 2010 AFTON PLACE

City: FARMINGTON

State: NM

Phone: (505) 324-4145

Email address: DSHULL@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: 10/03/2023

Signature: Kenneth Rennick

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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 273058

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 273058
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Notify NMOCD 24 hour prior to moving on	10/12/2023