

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other 1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		5. Lease Serial No. I22IND2788
		6. If Indian, Allottee or Tribe Name SOUTHERN UTE
		7. If Unit or CA Agreement, Name and No.
		8. Lease Name and Well No. IGNACIO 33-7 29P 1H
2. Name of Operator LOGOS OPERATING LLC		9. API Well No.
3a. Address 2010 AFTON PLACE, FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 278-8720	10. Field and Pool, or Exploratory BASIN MANCOS/BASIN MANCOS
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE / 292 FSL / 1112 FEL / LAT 37.068673 / LONG -107.627033 At proposed prod. zone SESW / 649 FSL / 2169 FWL / LAT 37.069552 / LONG -107.597822		11. Sec., T. R. M. or Blk. and Survey or Area SEC 29/T33N/R7W/UTE
14. Distance in miles and direction from nearest town or post office*		12. County or Parish LA PLATA
		13. State CO
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 292 feet	16. No of acres in lease 5960	17. Spacing Unit dedicated to this well 1160.0
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 25 feet	19. Proposed Depth 6519 feet / 16493 feet	20. BLM/BIA Bond No. in file IND: 1142698
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6419 feet	22. Approximate date work will start* 09/30/2024	23. Estimated duration 45 days
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

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| 1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM. |
|---|---|

25. Signature (Electronic Submission)	Name (Printed/Typed) ETTA TRUJILLO / Ph: (505) 324-4145	Date 07/31/2024
Title Regulatory Specialist		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) DEREK J PADILLA / Ph: (970) 882-1150	Date 01/06/2025
Title FIELD MANAGER Office Tres Rios Field Office		

Application approval 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.
Conditions of approval, if any, are attached.

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

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws 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, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: 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 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., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

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

The BLM connects this information to an evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. 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 Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Location of Well

0. SHL: SESE / 292 FSL / 1112 FEL / TWSP: 33N / RANGE: 7W / SECTION: 29 / LAT: 37.068673 / LONG: -107.627033 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 0 FSL / 0 FEL / TWSP: 33N / RANGE: 7W / SECTION: 28 / LAT: 37.069686 / LONG: -107.629945 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 651 FSL / 1963 FEL / TWSP: 33N / RANGE: 7W / SECTION: 29 / LAT: 37.069686 / LONG: -107.629945 (TVD: 6654 feet, MD: 7119 feet)

BHL: SESW / 649 FSL / 2169 FWL / TWSP: 33N / RANGE: 7W / SECTION: 27 / LAT: 37.069552 / LONG: -107.597822 (TVD: 6519 feet, MD: 16493 feet)

BLM Point of Contact

Name: ASHLEY C HITCHELL

Title: LIE

Phone: (970) 385-1304

Email: ahitchell@blm.gov

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Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

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Conditions of Approval - Surface

Well Name:	Ignacio 33-7 29P #1H, #2H, and #3H Gas Well, Pad, Access, and Pipeline
Lease Number:	I22IND2788
Location:	T33N, R7W, Section 29, La Plata County, Colorado
Operator:	LOGOS Operating LLC.
Application:	Application for Permit to Drill (APD)

The following design features and mitigation measures will be attached to the Applications for Permit to Drill as Conditions of Approval and apply to the Federal action.

NOTIFICATION:

- The BLM Minerals Division Natural Resources Specialist [(970) 385-1353] shall be notified 5 days prior to drilling activities.
- The BLM Minerals Division Natural Resources Specialist [(970) 385-1353] shall be notified at least 48 hours prior to commencement of interim and/or final surface reclamation activities.
- NO SURFACE DISTURBANCE shall begin until the Edge of Disturbance Corners and Midline markers of the permitted area have been re-established and are clearly marked.

Site Specific Requirements:

Cultural Resources:

1. During construction activities, a SUIT approved archeologist will be on location to monitor sites 5LP3195 Basketmaker Open Camp, 5LP3201 Indigenous Artifact Scatter and 5LP7673 Indigenous Artifact Scatter, which are directly adjacent to or on the boundary of where the pipeline will lay, to prevent direct impacts from ground disturbing activities. A follow-up report will be submitted to the THPO to show that no sites were affected by the project when completed and the sites will be seasonally monitored for a year.

General Requirements:

Migratory Birds:

1. If construction occurs between May 1 and July 31, a pre-construction nest survey would be conducted, and Logos would halt construction and consult SUIT WRMD if active nests

are found. Additionally, Logos would follow CPW guidelines regarding buffer zones and seasonal restrictions for raptors (CPW, 2020) and consult SUIT WRMD if raptor nests are identified during the pre-construction nest survey.

Cultural Resources:

2. All land-altering activities shall be confined to the area surveyed for cultural resources, and the project sponsor shall control the action of its agents at the job site to ensure that no archaeological sites are disturbed or damaged. Site disturbance or damage to sites on tribal land is a violation of the Archaeological Resources Protection Act (16 U.S.C. § 470ee) which prohibits the excavation, removal, damage, alteration, or defacement, or attempt to excavate, remove, damage, alter, or deface any archaeological resources [cultural resources] located on Indian lands. Both criminal and civil penalties may be assessed (16 U.S.C. §§ 470ee and 470ff) for violations.

3. In the event of the inadvertent discovery of human remains, activities in the area of the inadvertent discovery must cease; a reasonable effort must be made to protect the human remains and associated funerary objects. Protocols under the Native American Graves Protection and Repatriation Act (25 U.S.C. 3001 et seq.) for the inadvertent discovery of remains on Tribal lands must be followed (43 CFR 10.4(e)).

4. In the event of the inadvertent discovery of cultural resources, the project sponsor shall follow the protocols outlined in the Post-Review Discoveries, Discoveries on Tribal Lands (36 CFR 800.13(d)) section of the National Historic Preservation Act, Section 106 regulations.

Topsoil Salvaging:

5. Topsoil will be stockpiled and segregated adequately from subsoils or fill material and will be reseeded and mulched with continuous excelsior wattles surrounding the stockpile to protect the topsoil from surface water erosion. The topsoil will be stored in a height not greater than 3' tall. A sign will be placed at the base of all topsoil storage areas, facing the pad production zone to denote the presence of topsoil. During interim reclamation, portions of the well pad will be reclaimed with the stored topsoil and these areas would be reseeded. Upon final reclamation of the well pad, the surface will be recontoured and topsoil will be redistributed over the well pad. All areas will then be reseeded with a SUIT approved native seed mix and mulched for vegetation success.

Secondary Containment:

6. The operator shall install storage tanks within an impervious secondary containment structure of sufficient capacity to contain at least 125% of the storage capacity of the largest storage tank. Chemical containers shall be clearly labeled, maintained in good condition, and placed within an impervious secondary containment structure. Small secondary containment basins must be screened to prevent wildlife entry.

Open-topped Tanks:

7. The operator must install and maintain a rigid metal screen over open topped tanks to prevent wildlife or avian entry. The screen cannot have any openings wider than 1-1/2 inches. If the open-topped tank is installed below grade within a pit or open catchment, the space between the tank and pit/catchment edge must be screened with a rigid metal screen, unless the operator can demonstrate appropriate use of escape ramps.

Visual Resources:

8. All long-term, above-ground equipment, piping, and signs onsite would be painted in a flat, nonreflective, earth-toned color (Juniper Green) selected from the latest BLM color chart that best allows the facility to blend in with the surrounding landscape. The color shall be maintained throughout the life of the well/facilities. Areas required to be painted a different color to comply with the Occupational Safety and Health Act (OSHA) are excluded.

Fuels:

9. All material from commercial tree species 4 inches in diameter or greater would be cut and hauled to the SUIT Forestry Fuels Yard. All non-commercial tree species and material less than 4 inches in diameter would be chipped onsite and incorporated into the topsoil or otherwise removed and disposed of.



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Tres Rios Field Office
161 Burnett Drive - Unit 4
Durango, CO 81301-3647

In Reply Refer To:
COA APD ID: 10400095815

LOGOS OPERATING LLC
IGNACIO 33-7 29P 1H

GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

I. GENERAL

- A.** Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a notice of intent (on a Sundry Notice, Form 3160-5) within three business days (original and three copies of Federal leases and an original and four copies on Indian leases). **Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours via Sundry Notice. Emergency program changes after hours should be directed to Joe Killins at (970) 759-8988.**
- B.** Notify this office at least 48 hours in advance via sundry notice and 24 hours in advance by telephone prior to the following:
 - a. Well Spud
 - b. Running and cementing casing
 - i. Submit a cement evaluation log if cement is not circulated to surface.
 - c. BOP test
 - i. In the event a BLM inspector is not present during the initial BOP test, please provide chart record.
- C.** Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).
- D.** A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way. All operations will be governed by Onshore Order #2 unless specifically modified prior to operations.

INTERIOR REGION 7 • UPPER COLORADO BASIN

COLORADO, NEW MEXICO, UTAH, WYOMING

Approval Date: 01/06/2025

- E. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall always maintain rig surveillance, unless the well is secured with blowout preventers or cement plugs.
- F. On directional/horizontal wells submit as drilled directional survey from surface to total depth.
- G. If Flex hoses are to be used during drilling operations, a variance request via sundry notice must be submitted. Manufacturer specification and test must be submitted with sundry.

II. Site Specific

III. PHONE NUMBERS

Rodney Brasher	Lead Technician	work: 970-385-1347	cell: 970-799-1244
Alan White	Technician	work: 970-385-1201	cell: 970-317-0329
Nathan Willis	Technician	work: 970-385-1349	cell: 970-749-1734
Bryan Clappe	Technician	work: 970-385-1364	cell: 970-903-9077
Joe Killins	Engineer	work: 970-385-1363	cell: 970-759-8988