

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

| | | |
|--|---|--|
| 1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: COAL BED METHANE | | 5. Lease Serial No. JIC123 |
| 2. Name of Operator LOGOS OPERATING LLC | | 6. If Indian, Allottee or Tribe Name JICARILLA APACHE |
| Contact: MARIE E FLOREZ E-Mail: mflorez@logosresourcesllc.com | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401 | 3b. Phone No. (include area code) Ph: 505-787-2218 | 8. Well Name and No. JICARILLA 123 C 24 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T25N R4W SWNE 1630FNL 1525FEL 36.416824 N Lat, 107.289113 W Lon | | 9. API Well No. 30-039-21298-00-S2 |
| | | 10. Field and Pool or Exploratory Area BASIN FRUITLAND COAL |
| | | 11. County or Parish, State RIO ARRIBA COUNTY, NM |

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 checked="" 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 | |
| <i>BP</i> | <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 determined that the site is ready for final inspection.

The following well is Plugged and Abandon on 1/15/2020 per attached report and final wellbore diagram.

OCD received
6/4/2020

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|---|-----------------------------|
| 14. I hereby certify that the foregoing is true and correct. | |
| Electronic Submission #507758 verified by the BLM Well Information System For LOGOS OPERATING LLC, sent to the Rio Puerco Committed to AFMSS for processing by JOHN HOFFMAN on 03/23/2020 (20AMW0012SE) | |
| Name (Printed/Typed) MARIE E FLOREZ | Title REGULATORY SPECIALIST |
| Signature (Electronic Submission) | Date 03/19/2020 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--|-----------------|
| Approved By ACCEPTED | JOHN HOFFMAN Title PETROLUEM ENGINEER | Date 03/23/2019 |
| 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 Rio Puerco | | |

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

BLM
NMOCD

AV

Well Name: Jicarilla 123 C 24
API: 30-039-21298

01/11/20 RU. NU. Load pits. RU WL. PJSM w/ basing. Run CBL. Run back in & set CR @ 3149'. RD WL. Strap pipe and TIH, to 3130' Circ., hole. Perform pressure test. – did not pass. Sting into CR. Plug #1 & 2 2472' – 3320' (Pictured Cliffs top – Fruitland Coal top; inside) Mix and pumped 8sx (9.20cuft) of Class G cmt, 1.15ft3/sx yld. PU out of CR & mix and pumped 21sx (24.15cuft) of Class G cmt, 1.15ft3/sx yld. Displaced w/ 4.6bbbls of FW. TOOH, slow to 2300'. TOOH to 2020'. Circ, pipe clear of cement SD.

1/12/2020 PJSM. TIH, f2000 – tagged TOC at 2472'. TOOH, f 2472' to surface. Pressure test. Did not pass, was leaking. RIH, w/ basin WL. Perf @ 2020'. TIH, set CR @ 1970'. TIH, w/ 1.25" tubing. Roll hole on Top CR. Pumped down tubing and up 2-7/8". Sting into CR & attempt to get an injection rate. It would pressure up to 750psi. Bled off 140psi per minute. Tried to pump down back side to perf. Never made any communication between the two. Pumped 105bbbls. Notified & received verbal approval from Brandon Powell (OCD) & Joe Killins (BLM) to proceed to push CR from original plan and perf @ 2004' & 2005' due to psi lock up. Pushed CR down from 37' to 2007'. TOOH, to surface. RIH, w/ Basin WL. Shoot 6SPF @ 2005' & 2004'. Run back in & set new CR @ 1970', again. TIH, w/ 1.25" tubing to 1965'. Circ., above the CR. Sting into the CR & attempted to get injection pressure. Injected 4.6bbbls pressure increased up to 873psi. Leak off rate of 30psi per minute. Pressure would settle @ 540psi and not leak off. Notified & received verbal approval from Brandon Powell (OCD) & Joe Killins (BLM) to set a balance plug.

1/13/2020 TOOH and winterize equipment. Waiting on discussion between all agencies and LOGOS to proceed pertaining to the Nacimiento plug.

1/14/2020 PJSM. BOP function test. Warm RU. Install mule shoe on 1.25" work string. TIH, to CR @ 1970'. Roll hole. Pumped a 352' cement balance plug. Plug #3 1759' – 1970' (BLM Nacimiento top; inside) Mix and pumped 10sx (11.5cuft) of Class G cmt, 1.15ft3/sx yld. TOOH. WOC. TIH, tagged TOC @ 1759'. TOOH, to surface. RIH, w/ Basin WL & shoot holes @ 1270'. Get injection rate, 1.2bbl/min., @ 795psi, pumped 3.6bbbls away. RIH, w/ Basin WL and set CR @ 1220'. TIH, w/ 1.25" tubing. Roll hole @ 1100'. CR didn't set. Pushed CR down to 1310'. Get injection rate, to verify CR was pushed lower than perfs @ 1270, 630psi @ 1.3bbls/min. Pumped 5bbbls of FW. RIH, & set CR 1220'. TIH, w/ 1.25" tubing. Roll hole @ 1200'. Sting into CR @ 1220'. Plug #4 1270' – 561' (OCD Nacimiento top; inside/outside) Mix and pumped w/ 38sx (43.7cuft) of ASTM Class G neat cmt, 1.15ft3/sx yld. Mix and pumped un-sting from CR w/ 25sx (28.8cuft) of ASTM Class G neat cmt, 1.15ft3/sx yld on top of CR. Displaced w/ 0.6bbbls of FW. TOOH, to 200'. Roll hole clean w/ 5bbbls of FW. WOC.

1/15/2020 TIH, & tagged TOC @ 561'. RIH, w/ Basin WL. Perf @ 185'/ RD WL. Pumped 10bbbls of FW ahead. Plug #5 185' – surface' (surface & casing shoe; inside/outside) Mix and pumped 56sx (64.4cuft) of Class G cmt, 1.15ft3/sx yld, down the 2-7/8", back up & out of the BH. Circ., 2.9bbbls pump away before seen returns. Circ., 1.6bbbls of good cmt to surface. WOC. ND BOP. Wash lines and tanks. Cut WH off. Top off 2-7/8" w/ 105' to surface. Weld P&A marker. RD Cement crew and move off.



Proposed Wellbore Schematic

Well Name: Jicarilla 123 C #024
Location: Sec 07, T25N, R04W 1630' FNL & 1525' FEL
County: Rio Arriba
API #: 30-039-21298
Co-ordinates: Lat 36.41695 Long -107.28852
Elevations: GROUND: 6946'
KB: 6958'
PBD: 3320'
TD: 3445'

Date Prepared: 4/27/2017
Last Updated: 3/9/2020 Moss
Spud Date: 4/9/1977
Completion Date: 6/14/1977
Last Workover Date: 11/13/1990

