

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 checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. JIC123
2. Name of Operator LOGOS OPERATING LLC		6. If Indian, Allottee or Tribe Name JICARILLA APACHE
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 505-324-4145 Fx: 505-326-6112		8. Well Name and No. JICARILLA 123 C 28
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T25N R4W NWSE 1800FSL 1580FEL 36.426246 N Lat, 107.289177 W Lon		9. API Well No. 30-039-22558-00-C1
		10. Field and Pool or Exploratory Area BLANCO WEST LINDRITH
		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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Recomplete
	<input checked="" type="checkbox"/> Other Workover Operations
	<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 recomple 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 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 determined that the site is ready for final inspection.

10/17/19 MIRU AZ748 for tubing repair. NDWH NU BOP. TOOH with 2-3/8" tbg, scanning. Swab tools stuck in tbg. Tbg full of water and 5jts of thick gray fluid above swab tools.

10/18/19 TIH with bailer, CO fill f/7580?/7650?. Swab, recover 70bbbls of water. TOOH w/bailer. 10/21 & 22/19 TIH w/bit & mill string to 5430?. TOOH LD bit & mill string. TIH w/4-1/2" RBP, set @ 1200? pump 7bbbls KCL water, break circ, SI csg, open BH valve, no circ thru BH. TOOH w/setting tool, TIH w/4-1/2" tension packer, set @ 1170? & 1180?, PTs bled off. TOOH LD packer, move RBP to 2907? & set. TIH w/tension packer set @ multiple spots f/2066? to 30?, PT good @ 2066?, 1445?, 197? & 30?. With packer @ 318? circ out of BH.

10/22/19 Called and notified agencies of possible casing leak 318? to 1200?. Received verbal approval from Brandon Powell (OCD) and Joe Killins (BLM) to perform first squeeze, second squeeze

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DISTRICT III

14. I hereby certify that the foregoing is true and correct. Electronic Submission #491593 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 11/12/2019 (20JH0011SE)	
Name (Printed/Typed) TAMRA SESSIONS	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 11/08/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JOHN HOFFMAN Title PETROLUEM ENGINEER	Date 11/12/2019
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 ****

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2

Additional data for EC transaction #491593 that would not fit on the form

32. Additional remarks, continued

if needed and MIT after successful squeeze. Run CBL f/2097? to surface.

10/23/19 Set packer @ 197?, pressure up csg to 500psi, RU cementers, pump 473skts, (100bbbl) Class G cmt, circ good cmt to surface, SI BH valve, continue to pump. Released packer w/tbng full of cmt. TOO H w/packer hesitated 90 min & pressured up to 300psi after pumping 1.1bbl. RD & release cementers. WOC cmt overnight w/120psi on well.

10/24/19 Bleed off 80psi, PT csg to 500psi, test good. BH 0psi. TIH w/3-7/8? bit, tag cmt @ 220?. DO cmt f/220? to 387?.

10/25/19 Cont DO cmt f/387? to 831?. PT csg during DO @ 765? to 560psi, test good.

10/28/19 Cont DO cmt f/831? to 1241?. PT csg during DO @ 958? to 550psi, test good.

10/29/19 Cont DO cmt f/1241? to 1438? with stringers to 1456?. Circ bottoms up. PT csg to 500psi, test not good. TOO H, stand back drill collars. Notified Monica (OCD) of additional squeeze which was previously approved from Brandon (OCD) & Joe (BLM) on 10/22/19. TIH open ended w/tbg to 1456?. Rig up cementers for balance plug between 1241? & 1445?. Pump 40skts (8bbbls) Class G cement w/2% CaCl₂. Displace w/3bbbls FW. TOO H w/tbg. Pump 3bbbls FW to load csg. Hesitate squeeze to 500psi. SI well w/500psi. RD Release cementers, WOC overnight.

10/30/19 Bleed off 500psi SICP. TIH w/bit, tag cmt @ 1015?. DO cmt t/1364?.

10/31/19 PT to 500psi, not good. Cont DO cmt, fell out of cmt @ 1456?. Notified Monica (OCD) to cancel MIT and did not receive approval to set permanent production packer. Run CBL f/2000? to surface.

11/1/19 TIH w/retrieving tool, CO sand, release RBP @ 2097? and TOO H w/RBP. SIW, wait on orders.

11/5/19 LOGOS notified and received verbal approval from Brandon Powell/OCD and Joe Killins/BLM to proceed with plug and abandon procedure. See sundry dated 11/5/19 for procedure.