

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 06 2018

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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM18463
2. Name of Operator LOGOS Operating, LLC		6. If Indian, Allottee or Tribe Name
3a. Address 2010 Afton Place Farmington, NM 87401	3b. Phone No. (include area code) (505) 787-2218	7. If Unit of CA/Agreement, Name and/or No. NMNM 138586
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 1476 FSL & 330 FWL, NW/SW, L Sec 09 T23N R08W		8. Well Name and No. Heros 2308 09L Com 5H
		9. API Well No. 30-045-35877
		10. Field and Pool or Exploratory Area Nageezi Gallup
		11. Country or Parish, State San Juan 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Completion Report
	<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 detennined that the site is ready for final inspection.)

6/22/18-6/24/18 RU. ND wellhead. NU & function test BOP- Good test. RU casing crew. TIH, PU 4 1/2" casing. RIH, land tieback string w/ 121jts of 4 1/2" 11.6#, P-110 @ 5111'. ND DOP. NU wellhead. PSI tested 7" casing to 1500# for 30 minutes - Good test. ND BOP NU wellhead. PSI tested 4 1/2" casing to 1500# for 30 minutes - Good test. RDMO.
7/5/18 - 7/7/2018 RU frac stack. MIRU & spot Halliburton equipment. Psi tested lines - Good test. Open Alpha Sleeve w/ 6750psi, broke back to 1200psi, pumped 20bbbls, SI well. RDMO. MIRU Flow-back & wellhead.
7/16/18-7/22/18 RU Basin. RU Frac equipment. Frac'd thru Alpha Sleeve @ 10379'- 10375' MD = 8 holes. Perf'd w/ 3SPF 0.38" diam. @ 10345'- 9994' = 72 holes & 2SPF @ 9963'-6375'=456 holes w/ 536 total holes. Frac'd 22 stages of 6,062,600# 20/40 Arizona Sand, 1,239,533gals of 70% Linear gel N2 Foam & 42,840,615(scf) N2. RU WL. Set kill plug @ 6275'. well shut-in. RD Halliburton Frac & frac stack.
7/27/18-7/29/18- RU ND wellhead. NU BOPE. PU & MU BHA. PSI test BOPE flow-back- Good test. RIH w/ mill, DO kill plug. Circulate, CO & continue to DO plugs. RD.
7/30/18 -Finish DO all plugs & CO to alpha sleeve. RIH, begin to POOH w/ 4/12" tieback string.
7/31/18- Continue to POOH, w/ 4 1/2" tieback string. TIH w/ a total of 190jts of 2 3/8", L-80, 4.7# tbg @ 6065' w/ 1/2 mule shoe, w/ R-nipple @ 6033', X-nipple @ 5174' tubing hanger & 9 gas lift valves. RDMO.
8/13/18-8/14/18- MIRU. Blow down casing & kill well. ND wellhead. NU & function test BOP- Good test. TOOH, w/ 2 3/8" tubing. TIH, land w/ a total of 190jts of 2 3/8", L-80, 4.7# tbg @ 6081' w/ 1/2 mule shoe, w/ R-nipple @ 6048', packer @ 6047', X-nipple @ 5174' tubing hanger & 9 gas lift valves. ND BOP. NU wellhead. RD. Return well to flowback.

ACCEPTED FOR RECORD

SEP 13 2018

FARMINGTON FIELD OFFICE

By:

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Marie E. Florez	Title Regulatory Specialist
Signature 	Date 09/06/2018

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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)

SEP 17 2018

CONFIDENTIAL

NMOCD

DISTRICT III