

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 08 2014

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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. **NM-109399**
6. If Indian, Allottee or Tribe Name
RCVD APR 9 '14

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Logos Operating, LLC

3a. Address
4001 N Butler Ave Bldg 7101
Farmington, NM 87401

3b. Phone No. (include area code)
505-330-93333

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
384' FNL & 1960' FEL
Sec 8, T23N R08W, UL B

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

8. Well Name and No.
Warner-Caldwell 3B **DIST 3**

9. API Well No.
30-045-35506

10. Field and Pool or Exploratory Area
Nageezi Gallup

11. County or Parish, State
San Juan, 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"/> Fracture Treat	<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 <u>Completion</u>
	<input type="checkbox"/> Change Plans	<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 recomplete 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.)

03/22/14 MIRU AZ656. NU BOP. TIH w/ PDC bit, tag cmt @ 4121'. AT 14:45hr PT 5-1/2" csg to 950psi for 15min, test ok. DO cmt & DV tool @ 4210'. Circ. 03/23/14 Tag cmt @ 6015', DO hard cmt to 6095' PBTB. Circ & displace hole w/141bbbs 2% KCL. RU Bluejet, run CBL. At 16:45hr PT 5-1/2" csg to 1000psi for 30min, test ok. 03/23/14 RDRR @ 17:30hr. 03/27/14 ND tbg head, NU frac stack & PT, test ok.

03/31/14 RU Bluejet WL to perf Greenhorn w/.385" diam, 3SPF @ 5926' - 5990' = 39 holes. 04/01/14 Acidize w/48bbl 15% HCL Acid. Frac 1st Stage Greenhorn (5926'-5990') w/4174bbbs Slickwater, 10,180# 100Mesh, 68,943# 40/70 Ottawa Sand. Set CFP @ 5550'.

RIH w/BlueJet WL to perf Lower Gallup w/.385" diam, 3SPF @ 5312' - 5390' = 39 holes. Acidize w/24bbl 15% HCL Acid. Frac 2nd Stage Lower Gallup (5312'-5390') w/2234bbbs Slickwater 70Q N2, 9930# 100Mesh, 86,240# 40/70 Ottawa Sand. Total N2: 1.835MMSCF. Set CFP @ 5290'.

RIH w/BlueJet WL to perf Middle Gallup w/.385" diam, 3SPF @ 5186' - 5262' = 42 holes. Acidize w/24bbl 15% HCL Acid. Frac 3rd Stage Middle Gallup (5186'-5262') w/2387bbbs Slickwater 70Q N2, 11,044# 100Mesh, 112,004# 40/70 Ottawa Sand. Total N2: 2.044MMSCF. Set CFP @ 5160'.

RIH w/BlueJet WL to perf Upper Gallup w/.385" diam, 3SPF @ 5062' - 5142' = 36 holes. Acidize w/24bbl 15% HCL Acid. Frac 4th Stage Upper Gallup (5062'-5142') w/3777bbbs Slickwater, 8866# 100Mesh, 79,153# 40/70 Ottawa Sand.

RD & release Frac equipment 04/01/14. 04/03/14 Start Flowback.

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Tamra Sessions Title Operations Technician

Signature *Tamra Sessions* Date 04/08/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Office _____

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.

ACCEPTED FOR RECORD

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.

APR 09 2014

NWCOCD

FARMINGTON FIELD OFFICE
BY: *William Tambekou*