

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 14 '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

Farmington Field Office
Bureau of Land Management

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

3b. Phone No. (include area code)
505-330-9333

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
348' FNL 331' FEL
Sec 8, T23N R08W, UL A

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

8. Well Name and No.
Warner-Caldwell 1A DIST. 3

9. API Well No.
30-045-35505

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.)

03/29/14 MIRU AZ656. NU BOP. 03/30/14 TIH w/ PDC bit, tag cmt @ 4152'. DO cmt & DV tool @ 4238'. Circ. Tag cmt @ 6095', DO hard cmt to 6125' PBD. Circ & displace hole w/141bbbs 2% KCL. 03/31/14 LD bit. RU Bluejet, run CBL to surface. At 12:30hr PT 5-1/2" csg to 965psi for 30min, test ok. ND BOP. RDRR @ 16:15hr. 04/02/14 ND tbg head, NU frac stack & PT, test ok.

04/03/14 RU Bluejet WL to perf Greenhorn w/.385" diam, 3SPF @ 5942' - 6005' = 39 holes. 04/01/14 Acidize w/48bbl 15% HCL Acid. Frac 1st Stage Greenhorn (5942'-6005') w/4651bbbs Slickwater, 10,000# 100Mesh, 66,562# 40/70 Ottawa Sand. Set CFP @ 5490'.

RIH w/BlueJet WL to perf Lower Gallup w/.385" diam, 3SPF @ 5316' - 5392' = 39 holes. Acidize w/24bbl 15% HCL Acid. Frac 2nd Stage Lower Gallup (5316'-5392') w/2380bbbs Slickwater 70Q N2, 10,000# 100Mesh, 81,918# 40/70 Ottawa Sand. Total N2: 2.104MMSCF. Set CFP @ 5228'.

RIH w/BlueJet WL to perf Middle Gallup w/.385" diam, 3SPF @ 5197' - 5270' = 42 holes. Acidize w/24bbl 15% HCL Acid. Frac 3rd Stage Middle Gallup (5197'-5270') w/2200bbbs Slickwater 70Q N2, 10,000# 100Mesh, 105,358# 40/70 Ottawa Sand. Total N2: 2.088MMSCF. Set CFP @ 5164'.

RIH w/BlueJet WL to perf Upper Gallup w/.385" diam, 3SPF @ 5074' - 5174' = 39 holes. Acidize w/24bbl 15% HCL Acid. Frac 4th Stage Upper Gallup (5074'-5174') w/3338bbbs Slickwater, 10,180# 100Mesh, 94,702# 40/70 Ottawa Sand.

Rig down and release Frac equipment 04/03/14. 04/05/14 Start Flowback.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Tamra Sessions

Title Operations Technician

Signature

Tamra Sessions

Date 04/11/2014

THIS 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

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 11 2014

(Instructions on page 2)

NMOCDA

FARMINGTON FIELD OFFICE
BY: *William Tambekan*