

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 109397

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

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

1. Type of Well JUL 16 2014
 Oil Well Gas Well Other

8. Well Name and No.
Logos #4

2. Name of Operator
Logos Operating, LLC

9. API Well No.
30-045-35420

3a. Address
4001 North Butler Avenue, Building 7101
Farmington, NM 87401

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

10. Field and Pool or Exploratory Area
Basin Mancos

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1256' FNL, 2298' FWL
Section 1, T23N, R08W, UL C

11. County 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"/> 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.)

06/17/14 ND tbg head, PT casing to 1000psi for 30 min, good test. NU frac stack & PT, test ok.

06/20/14 RU Bluejet WL to perf Greenhorn w/.385" diam, 3SPF @ 6155' - 6218' = 39 holes. Acidize w/47bbl 15% HCL Acid. Frac 1st Stage Greenhorn (6155' - 6218') w/4453bbls Slickwater, 10464# 100Mesh, 61960# 40/70 Ottawa Sand, 16923# resin. Screened out. Flowback, no sand showed.

RIH w/BlueJet WL to perf Lower Gallup w/.385" diam, 3SPF @ 5524' - 5600' = 39 holes. Hole packed off @ 5120'. RD frac equipment. W/O workover rig.

06/24/14 MIRU AWS 395. ND frac stack, NU BOP. 06/25/14 RIH w/bit to 5185', tag sand. Circ and CO to PBTD @ 6315'. LD bit. RIH w/CBP & set @ 6080'. Circ hole clean. TIH w/tubing, attempt to pump into Lower Gallup perfs, TOOH w/tbg & LD. RDRR 06/29/14 @ 13:00hr.

ACCEPTED FOR RECORD

OIL CONS. DIV DIST. 3

***cont. on attached page 2.

JUL 17 2014

JUL 18 2014

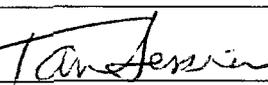
FARMINGTON FIELD OFFICE
BY: William Tambekou

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

Tamra Sessions

Title Operations Technician

Signature



Date 07/16/2014

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

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)

CONFIDENTIAL

NMOCDA

Logos 4
API# 30-045-35420
Basin Mancos
Logos Operating, LLC
Page 2 of Completion Sundry

07/02/14 NU Frac Stack & PT, test ok.

07/03/14 Acidize w/24bbl 15% HCL Acid. **Frac 2nd Stage Lower Gallup (5524' – 5600')** w/2702bbls 70Q Foam, 10168# 100Mesh, 73245# 20/40 sand & 15435# 20/40 resin. Total N2: 1.89MMSCF. **Set CFP @ 5512'.**

RIH w/BlueJet WL to **perf Middle Gallup** w/.385" diam, 3SPF @ 5422' – 5500' = 39 holes. Acidize w/24bbl 15% HCL Acid. **Frac 3rd Stage Middle Gallup (5422' – 5500')** w/2647bbls 70Q Foam, 10307# 100Mesh, 108460# 20/40 sand & 16239# 20/40 resin. Total N2: 2.82MMSCF. **Set CFP @ 5400'.**

RIH w/BlueJet WL to **perf Upper Gallup** w/.385" diam, 3SPF @ 5292' – 5384' = 39 holes. Acidize w/24bbl 15% HCL Acid. **Frac 3rd Stage Upper Gallup (5292' – 5384')** w/4636bbls Slickwater, 9221# 100Mesh, 111845# 20/40 sand & 15670# 20/40 resin.

RD & release Frac equipment 07/03/14

07/04/14 Flowback 4 days. First oil produced 07/08/14.

07/09/14 MIRU AWS 656. ND WH & NU BOP. TIH w/bit, tag fill CFP's @ 5400' & 5512', DO & CO.

07/10/14 Tag CBP @ 6080', DO & CO to 6315' PBTB. Circ. RIH w/176jts 2-7/8" J-55tbg & land @ 5793', w/SN @ 5726'.

07/12/14 RIH w/rods & RHAC pump, space out. PT tbg to 500psi for 15min, good. RDRR @ 17:00hr on 07/12/14. Wait on facilities.