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Form 3160-3
(March 2012)

UNITED STATES

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

JAN 17 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.

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

5. Lease Serial No.
Jicarilla Apache Lease #417
6. If Indian, Allottee or Tribe Name
Jicarilla Apache Nation

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 North Butler Avenue, Building 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)
919' FSL, 1738' FEL
Section 10, T22N, R3W, UL O

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

RCVD JAN 23 '14

8. Well Name and No.
Jicarilla O 3E OIL CONS. DIV.

9. API Well No.
30-043-21165 DIST. 3

10. Field and Pool or Exploratory Area
Lindrith Gallup-Dakota, West

11. County or Parish, State
Sandoval 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 Production Casing & squeeze
	<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 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 determined that the site is ready for final inspection.)

12/13/13 RIH w/7-7/8" bit, tag cmt @ 448', D/O & C/O to 510'. Recieved verbal approval from Troy Salyers BLM & Bill Hoppe OCD to drill additional 20' from APD depth of 6850' for additional space to circ. Drill production hole to 6870' TD, reached @ 11:30hr on 12/16/13. Circ to TD. 12/17/13 Circ & CO. Run open hole log #6869' to 503'. 12/18/13 C/O circ to TD. RIH w/161jts 5-1/2" 17# P-110 LTC csg & land @ 6858', FC @ 6813', & stage tool @ 4805'. Circ. R/U BJ to cement.

12/19/13 start cmt job. Cement 1st stage. Preflush w/5bbls FW, 10bbls GW & 5bbls FW. Lead w/165sx (58bbls, 326cf) "B" 65/35 Poz cmt w/6% Gel, 1% CACL2, 4% Phenoseal, .25#/sx CelloFlake. Start mixing tail cmt, locked up in tub, shut dn. Circ dn csg w/206bbls mud, lost circ. Tried to move cmt, no circ. RD BJ. ND BOP.

Notified OCD-Brandon Powell & Jicarilla BLM-Bryce Hammond of failed cmt job. Check w/office for plan forward. Set BOP back. Drop cancellation cone, pressure up and close DV tool @ 3000psi. PT csg to 1000psi for 30min, good. 12/20/13 RIH w/junk mill, tag DV tool at 4805', DO DV tool & cancellation cone. Circ hole clean. Tag FC @ 6813'. TOH w/junk mill. RU BlueJet, run CBL f/FC to surface. RD BlueJet. TIH w/tapered mill to DV tool, circ. ND BOP. 12/21/13 RDRR @ 06:00hr. 12/30/13 Received verbal approval from Troy Salyers (BLM) & Brandon Powell (OCD) to proceed with cement squeeze plan, see NOI dated 12/27/13, if squeeze results are good, perf the 1st stage (lowest) of the target zone. Then return in approximately 2wks to finish the perms & fracs, with the top perf @ approx 5250', set a plug and determine the plans to squeeze the top section and obtain agency approvals to proceed.

01/02/14 MIRU A656. ND WH, NU BOP. Rig repairs. 01/03/14 POOH w/tbg & mill. TIH w/pkr & set @ 6780', PT csg to 1000psi for 30mins, good test. Load tbg w/water, unable to pump thru FC @ 6813'. Release pkr, set on top of FC reverse circ, PT csg to 1000psi, hold for 15min, no leak off. POOH LD pkr. Received verbal approval from Troy Salyers (BLM) & Brandon Powell (OCD) to shoot holes above FC to be able to circ. (see attached page 2)

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

Tamra Sessions

Title Operations Technician

Signature

Tamra Sessions

Date 01/16/2014

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)

NMOCD

Tsalyers

Jicarilla O 3E
API# 30-043-21165
Lindrith Gallup-Dakota, West
Logos Operating, LLC
Page 2 of Production Casing Sundry

01/04/14 RU Blue Jet WL, shoot 4 holes @ 6810' for circ and perf 3 squeeze holes @ 5950'. TIH w/CR & set @ 6061'. Preflush 10bbls FW, obtain good circ. Pump 182sx (45bbls, 386cf) Type III cmt, displace w/45bbls FW. Sting out of CR. Reverse circ, recover 40bbls FW, 10bbls cmt & 100bbls drlg mud. TOOH & LD stringer. WOC.

01/05/14 TIH w/PDC bit, circ. PT csg to 1000psi for 30min, good test. DO cmt & CR @ 6060' to 6625'. ✓

01/06/14 Cont DO cmt to 6770'. Circ cmt cuttings. Pooh w/bit. RU Blue Jet WL, run CBL f/6800' to 5900', RD WL.

01/07/14 TIH w/junk mill to 6770', circ w/2% KCL. POOH w/mill. RU Blue Jet WL to **perf Dakota/Graneros** w/.385" diam, 3SPF @ 6540' – 6732'(OH depths) = 45 holes. TIH w/compression pkr & set @ 6509', acidize w/48bbls 15% HCL. Release pkr.

01/08/14 LD pkr. ND BOP, NU WH. RDRR @13:00hr on 01/08/14. ✓