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JAN 21 2016

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018Farmington Field Office
Bureau of Land Management
Lease Serial No. JAN 108

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.

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Nation

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. Logos Jicarilla 24D

2. Name of Operator LOGOS Operating, LLC

9. API Well No. 30-039-31339

3a. Address 4001 North Butler Ave, Bldg 7101
Farmington, NM 874013b. Phone No. (include area code)
(505) 436-379010. Field and Pool or Exploratory Area
Tapacito Gallup (Associated)4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
807' FNL & 215' FWL (NW/NW) Sec 24, T26N, R05W, UL D11. Country or Parish, State
Rio Arriba, 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
	<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.)

11/23/15 MIRU AZ656. NU BOP. 11/24/15 TIH w/mill, tag cmt @ 2315'. AT 10:00hr PT 4-1/2" csg to 1000psi for 15min, test ok. DO cmt & DV tool @ 2427'. Tag DV tool @ 5101', PT csg to 1000psi for 15min, good test. DO cmt & DV tool @ 5101'. Tag cmt @ 7000', DO hard cmt to 7099' PBTD. Circ hole clean. PT csg to 1050psi for 35min, good test. TOH, RU Bluejet, run CCL/CBL/GR to 4800'. ND BOP.

11/25/15 RIH WL, perf six 0.38" DFIT holes at 6727'-6729'. PT surface equip to 4000psi, good test. RIH w/4 1/2" RBP, memory gauges & bull plug. Load hole w/80bbbls KCL. Begin DFIT. Set RBP @ 6707', set gauges, wait 2hrs. Bleed off pressure, POOH, RIH w/4 1/2" RBP, set @ 6656'. POOH, RD WL, RDRR @ 16:30hr on 11/25/15. 12/15/15 RU slick line, NU Frac Stack, RIH unset RBP @ 6656', POOH, LD. RIH unset RBP w/gauges @ 6707', POOH, LD. RD SD.

01/19/15 RU WL, Perf Gallup @ 6727'-6737" w/.40" diam. 4SPF = 40 holes. Frac w/53bbbls treated water; 689bbbls WaterFrac G 25# 70Q, 1070bbbls Delta 20020#, 355000# 20/40 Arizona Brown Sand, 10180# 100 Mesh, 4.0mmcsf N2.

Start flowback.

OIL CONS. DIV DIST. 3

ACCEPTED FOR RECORD

JAN 21 2016

CONFIDENTIAL

JAN 22 2016

FARMINGTON FIELD OFFICE
BY: William Tambekou

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

Tamra Sessions

Regulatory Specialist

Title

Signature

Date

01/21/2016

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)

NMOCD