

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date:

Application Type:

- P&A
 Drilling/Casing Change
 Recomplete/DHC
 Location Change
 Other: Completion

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-043-21155-00-00	LOGOS	007	LOGOS OPERATING, LLC	O	N	Sandoval	J	E	5	22	N	5	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations.

Did not comply with OCD Rules 19.15.7.14.A(1)(a) and 19.15.5.11 enforcement action pending.



NMOCD Approved by Signature

11-5-13
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 28 2013

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

"Confidential"

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.
Jicarilla Apache Lease #424

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)
1645' FNL, 180' FWL
Section 5, T22N, R5W, UL E

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

8. Well Name and No.
Logos #7

9. API Well No.
30-043-21155

10. Field and Pool or Exploratory Area
Wildcat Gallup

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 <u>Completion Sundry</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.)

10/03/13 Drill prod hole to 6410' TD, reached @ 07:30hr on 10/07/13.
10/08/13 RIH w/140jts 5-1/2" 17#, P-110, LT&C csg, & land @ 6396' w/FC @ 6348' & stage tool @ 4372'.

10/13/13 MIRU AWS 656. NU BOP. TIH w/ PDC bit, tag cmt @ 4340'. PT 5-1/2" csg to 1000psi for 30mins, test ok.
10/14/13 Circ. DO cmt & DV tool @ 4372'. Tag cmt @ 6285', CO cmt to PBTD @ 6348'. Circ. LD PDC bit. RU Bluejet WL, run CBL f/6346' to surface. RD WL. PT 5-1/2" csg to 1000psi for 30min, test ok. ND BOP. RDRR @ 18:30hr.

10/18/13 ND tbq head, NU frac stack & PT, test ok.

After further evaluation, our development target changed to the Gallup zone. The Dakota zone may be developed in the future. See attached C-102 plat for the Gallup.

RCVD NOV 1 13
OIL CONS. DIV.
DIST. 3

ACCEPTED FOR RECORD

OCT 29 2013

FARMINGTON FIELD OFFICE
BY William Tambelton

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 10/28/2013

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)

NMOCDA

Logos 7
API# 30-043-21155
Wildcat Gallup
Logos Operating, LLC
Page 2 of Completion Sundry

10/21/13 RU BlueJet WL to perf Greenhorn w/.385" diam, 3SPF @ 6030' – 6120' = 42 holes. Acidize w/47bbl 15% HCL Acid. Frac **1st Stage Greenhorn (6030'-6120')** w/3882bbls Slickwater, 10,000# 100Mesh, 43,880# 40/70 Ottawa Sand. Set CFP @ **5962'**.

RIH w/BlueJet WL to perf Sanostee w/.385" diam, 3SPF @ 5820' – 5912' = 48 holes. Acidize w/48bbl 15% HCL Acid. Frac **2nd Stage Sanostee (5820'-5912')** w/3593bbls Slickwater, 5,000# 100Mesh, 28,942# 40/70 Ottawa Sand. Set CFP @ **5510'**.

RIH w/BlueJet WL to perf Lower Gallup w/.385" diam, 3SPF @ 5360' – 5420' = 39 holes. Acidize w/48bbl 15% HCL Acid. Frac **3rd Stage Lower Gallup (5360'-5420')** w/2719bbls Slickwater 70Q N2, 10,000# 100Mesh, 125,020# 40/70 Ottawa Sand. Total N2: 2.5MMSCF. Set CFP @ **5340'**.

RIH w/BlueJet WL to perf Middle Gallup w/.385" diam, 3SPF @ 5194' – 5322' = 42 holes. Acidize w/48bbl 15% HCL Acid. Frac **4th Stage Middle Gallup (5194'-5322')** w/2501bbls Slickwater 70Q N2, 10,000# 100Mesh, 118,878# 40/70 Ottawa Sand. Total N2: 2.4MMSCF. Set CFP @ **5110'**.

RIH w/BlueJet WL to perf Upper Gallup w/.385" diam, 3SPF @ 4969' – 5074' = 42 holes. Total Gallup holes = 213. Acidize w/48bbl 15% HCL Acid. Frac **5th Stage Upper Gallup (4969'-5074')** w/4014bbls Slickwater, 9,360# 100Mesh, 80,000# 40/70 Ottawa Sand. RD & release Frac equipment 10/23/13.

10/24/13 Start Flowback.

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3450 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-043-21155		² Pool Code 97968	³ Pool Name WC 22N5W5; GALLUP (O)
⁴ Property Code	⁵ Property Name LOGOS		⁶ Well Number 7
⁷ GRID No. 289408	⁸ Operator Name LOGOS RESOURCES, LLC		⁹ Elevation 6880'

¹⁰ Surface Location

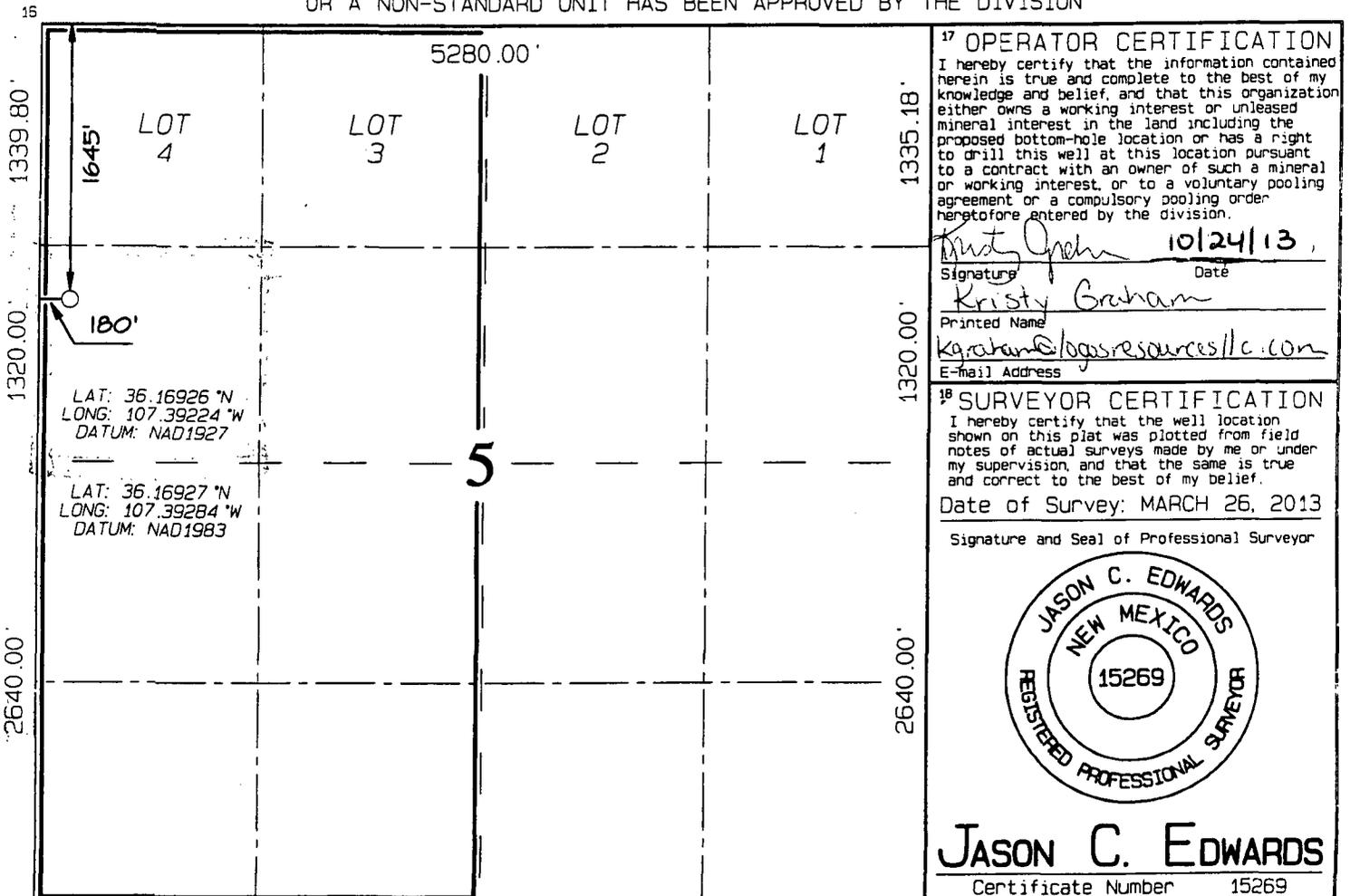
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	5	22N	5W		1645	NORTH	180	WEST	SANDOVAL

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 321.13 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



5277.36'