

ADHERE TO PREVIOUS NMOC D CONDITIONS OF APPROVAL

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No. NMNM18463
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator LOGOS Operating, LLC		7. If Unit of CA/Agreement, Name and/or No.
3a. Address 2010 Afton Place Farmington, NM 87401		8. Well Name and No. ATHENA 2308 14L 1H
3b. Phone No. (include area code) (505) 324-4145		9. API Well No. 30-045-35632
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2171 FSL & 571 FWL, NW/SW, L Sec 14 T23N R08W		10. Field and Pool or Exploratory Area Basin Mancos
		11. Country 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 checked="" 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 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	Name Change	
	<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 recomplate 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.)

LOGOS is requesting permission to change the well name from Chaco 23 08 15 #1H to ATHENA 2308 14L 1H.
LOGOS is revising the surface hole location from 2173 FSL & 567' FWL to better align the well head location for consecutive drilling of twin wells on the same well pad.
LOGOS is revising the bottom hole location from the approved APD footages of 2260' FSL & 380' FWL of Section 15 T23N R08W to 1430' FSL & 280' FWL of Section 15 T23N R08W. Plug back depth of this well will be the RSI (or similar) tool assembly, which will put the first perf inside the setback of 330' as noted on the C-102. NSL is being applied for.

Changes to the Drilling Plan & Directional Drill Plan will follow on the next sundry.

OIL CONS. DIV DIST. 3

JAN 26 2018



ADHERE TO PREVIOUS NMOC D
CONDITIONS OF APPROVAL

New Property code: 320689

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Tamra Sessions		Title Regulatory Specialist
Signature <i>Tamra Sessions</i>		Date 01/11/2018

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>		Title PE	Date 1/23/18
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 FTO	

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)

NMOC D TV

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 383-6181 Fax: (575) 383-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Artec, N.M. 87410
Phone: (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV
1820 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 478-3480 Fax: (505) 478-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35632		² Pool Code 97232		³ Pool Name BASIN MANCOS	
⁴ Property Code 310583 320689		⁵ Property Name ATHENA 2308 14L			⁶ Well Number 1H
⁷ OGRID No. 289408		⁸ Operator Name LOGOS OPERATING, LLC			⁹ Elevation 6878'

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
L	14	23-N	8-W		2171	SOUTH	571	WEST	SAN JUAN

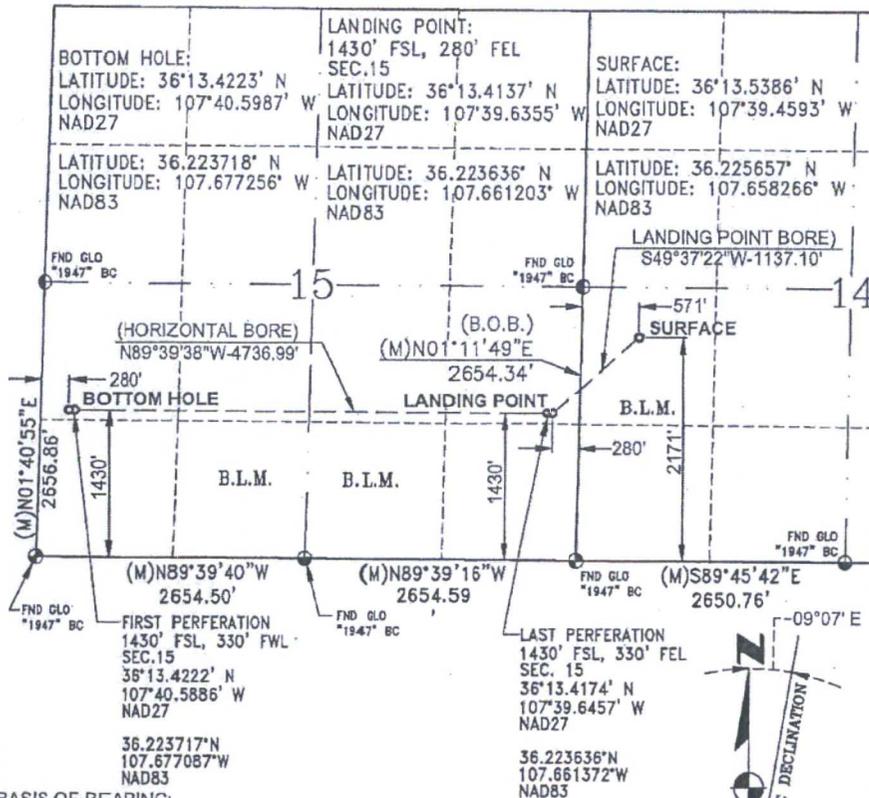
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	15	23-N	8-W		1430	SOUTH	280	WEST	SAN JUAN

¹² Dedicated Acres 320.00 ACRES = S/2 SEC. 15	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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

16



BASIS OF BEARING:

AS MEASURED BY GPS BETWEEN FOUND MONUMENTS AT THE SOUTHWEST CORNER AND THE WEST QUARTER CORNER OF SECTION 14, TOWNSHIP 23 NORTH, RANGE 8 WEST, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO.

LINE BEARS: N 01°11'49" E A DISTANCE OF 2654.34 FEET AS MEASURED BY G.P.S. LOCAL GRID NAD83.

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Tamra Sessions* Date: 1/10/18
Printed Name: Tamra Sessions
E-mail Address: tsessions@logosresourcesllc.com

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: JANUARY 10, 2018
Signature and Seal of Professional Surveyor:



GLEN W. RUSSELL
Certificate Number 15703