

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**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.
NMSF78767
6. If Indian, Allottee or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
LOGOS OPERATING LLC3a. Address 2010 AFTON PLACE
FARMINGTON, NM 874013b. Phone No. (include area code)
(505) 278-87204. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 19 T31N R05W NE/NW (C) 956 FNL 482 FWL7. If Unit of CA/Agreement, Name and/or No.
NMNM78407E8. Well Name and No.
ROSA UNIT 644H9. API Well No.
30-039-3143010. Field and Pool or Exploratory Area
BASIN MANCOS11. Country or Parish, State
RIO ARriba 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 type="checkbox"/> Other	
	<input checked="" 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.)

LOGOS Operating, LLC request a change in plans for the following:

Original bottom-hole location from 1841' FSL & 1146' FWL to **new bottom-hole location 1829' FSL & 1158' FWL WL**Original TD @ 15,292' MD 6905' TVD to **new TD @ 15,639' MD 6910' TVD**

Geology tops have been updated per changes.

Original KOP @ 6855' MD 6436' TVD to **new KOP @ 6676' MD 6415' TVD**Original Landing point @ 7747' MD 6931' TVD to **new Landing point @ 7587' MD 6940' TVD**Original 13.375" casing Intermediate1 @ 3,559' MD to **13.375" Intermediate1 casing, 3,521' MD**additional 9.625" casing Intermediate2 @ 6,597' MD to **9.625" Intermediate2 casing @ 6,450' MD**Original 5.5" casing Production casing @ 15,292' MD 6,905' TVD to **5.5" Production casing, 15,639' MD 6910' TVD**

The 13.375", 9.625" Intermediate and 5.5" production cementing bbls and sacks have been update per casing depth changes.

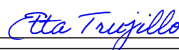
Attached: New C102, Operation and Directional Drill plans.

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

Etta Trujillo

Title Regulatory Specialist

Signature



Date 08/18/2023

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)

Well Name: ROSA UNIT	Well Location:	County or Parish/State:
Well Number: 644H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078767	Unit or CA Name: ROSA UNIT	Unit or CA Number: NMNM78407E
US Well Number: 300393143000X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2746877

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 08/18/2023	Time Sundry Submitted: 01:35
Date proposed operation will begin: 08/18/2023	

Procedure Description: LOGOS Operating request a change in plans for the following: Original bottom-hole location from 1841' FSL & 1146' FWL to new bottom-hole location 1829' FSL & 1158' FWL Original TD @ 15,292' MD 6905' TVD to new TD @ 15,639' MD 6910' TVD. Geology tops have been updated per changes. Original KOP @ 6855' MD 6436' TVD to new KOP @ 6676' MD 6415' TVD Original Landing point @ 7747' MD 6931' TVD to new Landing point @ 7587' MD 6940' TVD Original 13.375" casing Intermediate1 @ 3,559' MD to 13.375" Intermediate1 casing, 3,521' MD additional 9.625" casing Intermediate2 @ 6,597' MD to 9.625" Intermediate2 casing @ 6,450' MD Original 5.5" casing Production casing @ 15,292' MD 6,905' TVD to 5.5" Production casing, 15,639' MD 6910' TVD The 13.375", 9.625" Intermediate and 5.5" production cementing bbls and sacks have been update per casing depth changes. Attached: New C102, Operation and Directional Drill plans.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

3160_5_Rosa_Unit_644H_Change_in_Plans_Plan3_20230818_20230818133435.pdf

Well Name: ROSA UNIT		Well Location:	County or Parish/State:
Well Number: 644H	Type of Well: CONVENTIONAL GAS WELL		Allottee or Tribe Name:
Lease Number: NMSF078767	Unit or CA Name: ROSA UNIT	Unit or CA Number: NMNM78407E	
US Well Number: 300393143000X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC	

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: ETTA TRUJILLO
Signed on: AUG 18, 2023 01:35 PM
Name: LOGOS OPERATING LLC
Title: Regulatory Specialist
Street Address: 2010 AFTON PLACE
City: Farmington State: NM
Phone: (505) 324-4154
Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name:
Street Address:
City: State: Zip:
Phone:
Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK
BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742
BLM POC Email Address: krennick@blm.gov
Disposition: Approved
Disposition Date: 08/18/2023
Signature: Kenneth Rennick

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) 476-3460 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

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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

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 Revised: AUGUST 16, 2023
Date of Survey: JANUARY 4, 2017

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 97232	³ Pool Name BASIN MANCOS
⁴ Property Code 320608	⁵ Property Name ROSA UNIT	⁶ Well Number 644H
⁷ OGRID No. 289408	⁸ Operator Name LOGOS OPERATING, LLC	⁹ Elevation 6305'

¹⁰ Surface Location

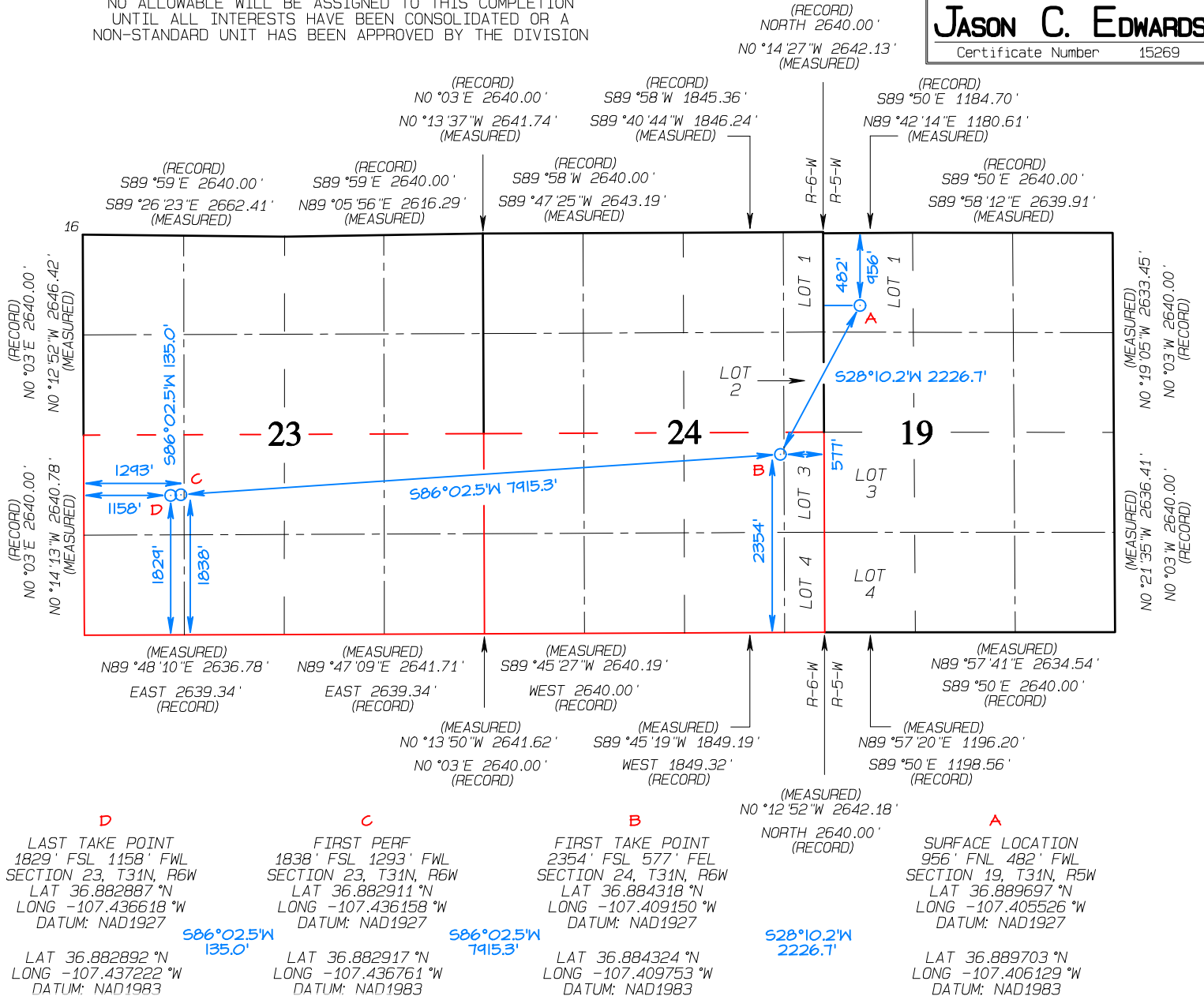
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	19	31N	5W	1	956	NORTH	482	WEST	RIO ARriba

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	23	31N	6W		1829	SOUTH	1158	WEST	RIO ARriba

¹² Dedicated Acres 592.02	¹³ Joint or Infill S/2 - Sections 23 & 24, T31N, R6W	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



LOGOS OPERATING, LLC ROSA UNIT #644H
956' FNL & 482' FWL, SECTION 19, T31N, R5W, NMPM
RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6305'

HORIZONTAL SCALE
1"=40'
VERTICAL SCALE
1"=30'

C/L

A-A'
6315'
6305'
6295'

C/L

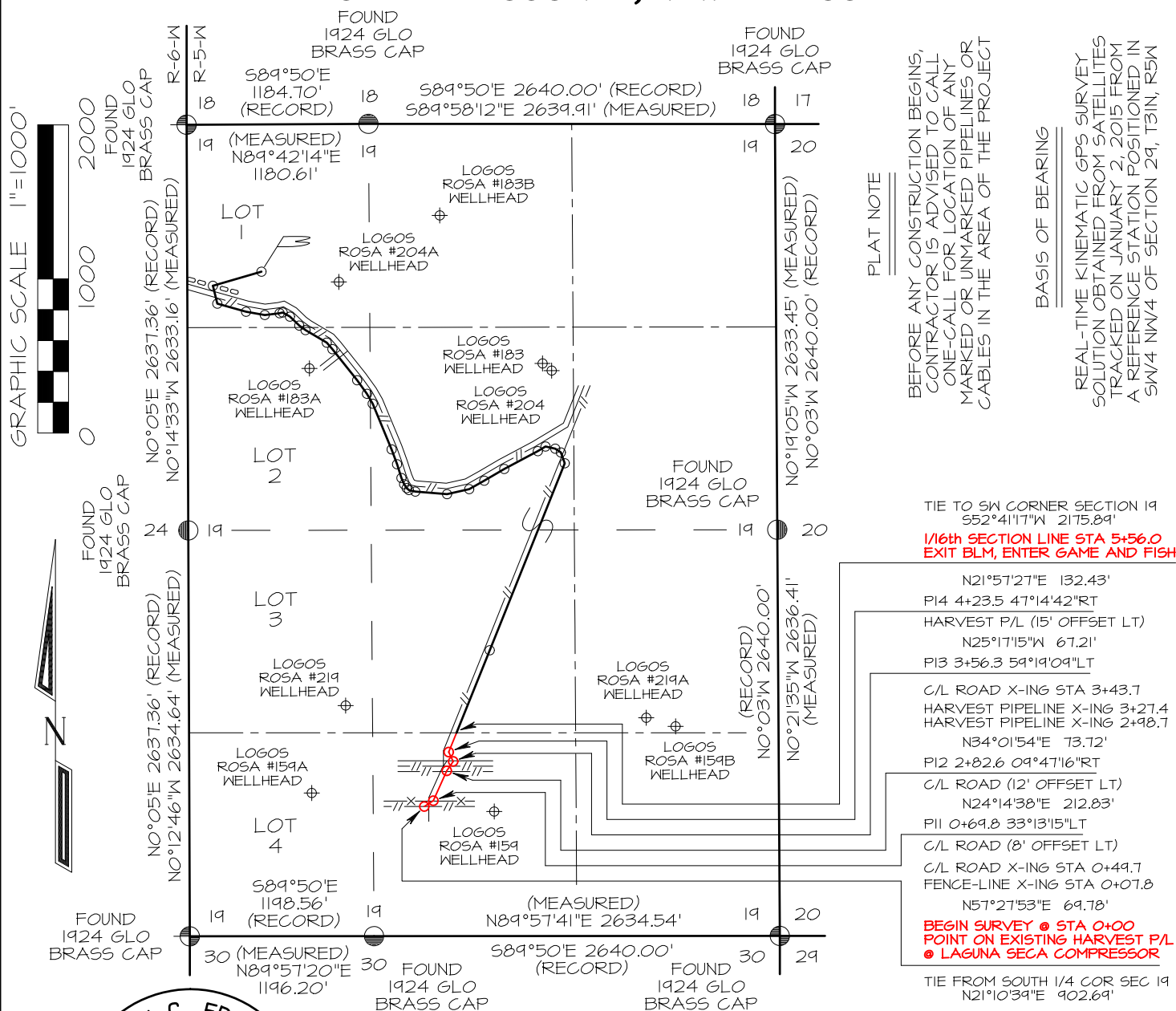
B-B'
6315'
6305'
6295'

C/L

C-C'
6315'
6305'
6295'

NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND
UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

**LOGOS OPERATING, LLC ROSA UNIT #644H
EXISTING GAS PIPELINE SURVEY LOCATED IN
SW/4 SE/4 OF SECTION 19, T31N, R5W, NMPM
RIO ARriba COUNTY, NEW MEXICO**



I, Jason C. Edwards, a registered Professional Surveyor under the laws of the State of New Mexico, hereby certify that this plat was prepared from field notes of an actual survey meeting the minimum requirements of the standards for easement surveys and is true and correct to the best of my knowledge and belief.

JASON C. EDWARDS

Date: December 19, 2022

Jason C. Edwards, P.L.S.
New Mexico L.S. #15269

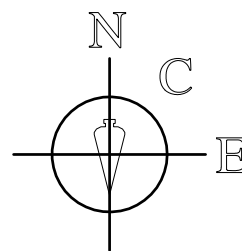
~ SURFACE OWNERSHIP ~
Bureau of Land Management

0+00 TO 5+56.0

556.0 FT / 33.7 RODS

Prepared for:

LOGOS OPERATING, LLC
2010 AFTON PLACE
FARMINGTON, NM 87401



SURVEYS, INC.

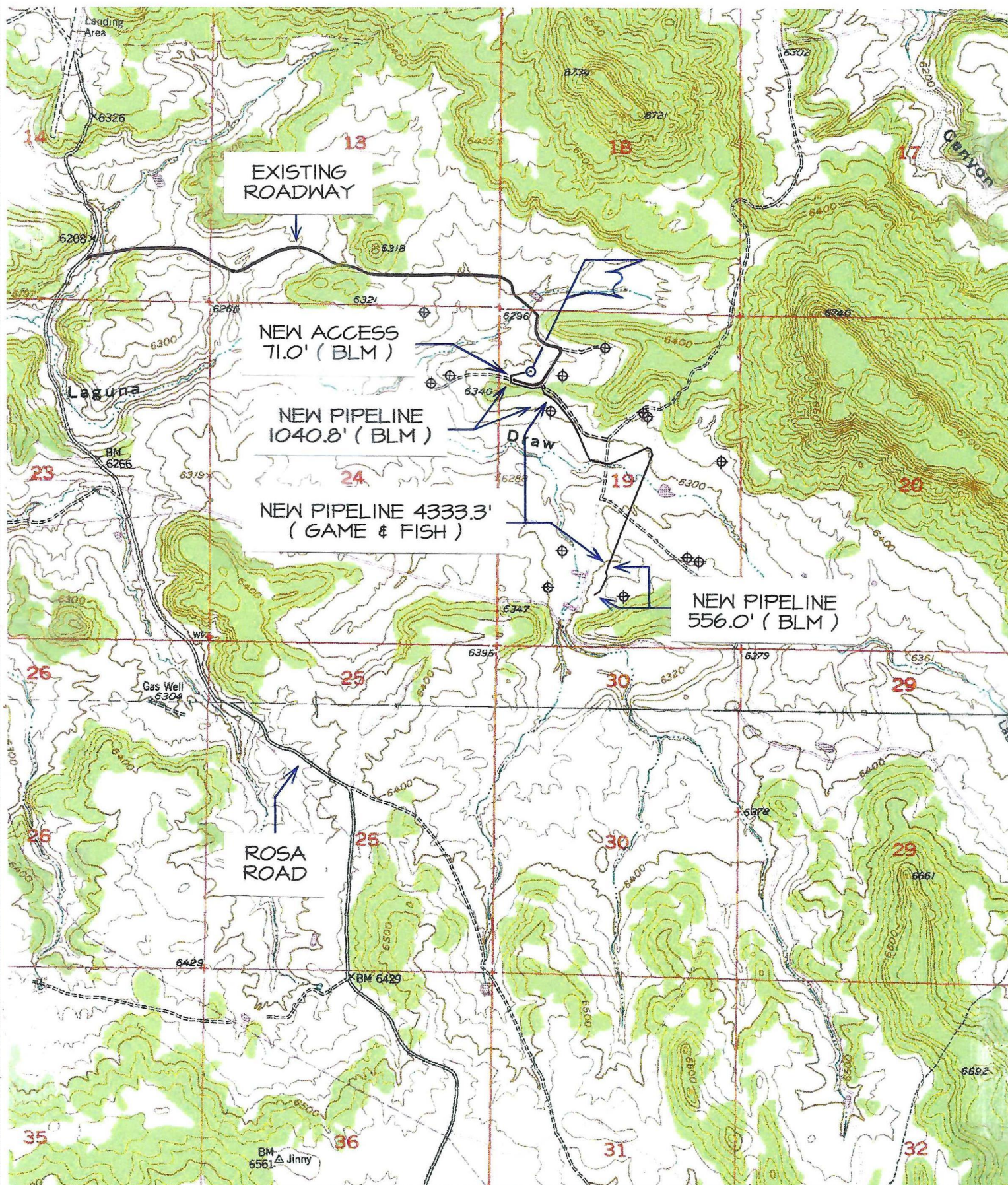
Land Surveyor:
Jason C. Edwards

Mailing Address:
Post Office Box 6612
Farmington, NM 87499

Business Address:
111 East Pinon Street
Farmington, NM 87402
(505) 486-1695 (Office)
ncesurveys@comcast.net

CHECKED BY: JCE
DRAWN BY: EDO
SHEET: 4 OF 10
FILENAME: 31519CGI

956' FNL & 482' FWL, SECTION 19, T31N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO



TOPO NAME : BANCOS MESA NW

⊕ PRODUCING WELL

⊗ PLUGGED & ABANDONED WELL

Directions from the Intersection of US Hwy 550 & US Hwy 64
in Bloomfield, NM to Logos Operating, LLC Rosa Unit #644H
956' FNL & 482' FWL, Section 19, T31N, R5W, N.M.P.M., Rio Arriba County, NM

Latitude 36.889703°N Longitude -107.406129°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 38.0 miles to Mile Marker 102.3 to State Hwy 527 (Simms Hwy);

Go Left (North-westerly) on State Hwy 527 (Simms Hwy) for 7.9 miles to Rosa Road @ La Jara Station;

Go Right (Northerly) on Rosa Road for 6.5 miles to 4-way intersection;

Go Left which is straight (North-easterly) remaining on Rosa Road for 5.9 miles to fork in road;

Go Right (Easterly) exiting Rosa Road for 0.25 miles to fork in roadway;

Go Right which is straight (Easterly) for 0.1 miles to fork in roadway;

Go Left which is straight (Easterly) for 1.3 miles to fork in roadway;

Go Right (Westerly) for 0.1 miles to existing access on right-hand side of roadway which continues for 71.0' to existing Logos Rosa Unit #644H location.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 254543

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 254543
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Original COA's still apply.	8/24/2023