

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.
NMSF078768
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 36 T31N R05W NWNW (D) 525 FNL 492 FWL7. If Unit of CA/Agreement, Name and/or No.
NMNM78407E8. Well Name and No.
ROSA UNIT 830H9. API Well No.
30-039-3136310. 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				
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ 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 request a change in plans for the following:

Original TD @ 15,826' MD 7228' TVD to **new TD @ 15,710' MD 7163' TVD.**

Geology tops have been updated per changes.

Original KOP @ 6641' MD 6586' TVD to **new KOP @ 6475' MD 6445' TVD**Original Landing point @ 7641' MD 7223' TVD to **new Landing point @ 7539' MD 7146' TVD**Original 8.75" OH size, 7" casing @ 6541' MD to **new Intermediate 12.25" OH size, 9.625" casing @ 6441' MD 6370' TVD**Original 6.125" OH size, 4.5" casing @ 15,826' MD to **new Production 8.5" OH size, 5.5" casing @ 15,710' MD 7163' TVD**

New 9.625" Intermediate & 5.5" Production cementing, grade and weight 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 *Etta Trujillo*

Date 12/20/2021

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)

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.

Etta Trujillo 12/8/2021
Signature Date

Etta Trujillo
Printed Name
etrujillo@logosresourcesllc.com
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: NOVEMBER 23, 2021
Date of Survey: APRIL 20, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31363	² Pool Code 97232	³ Pool Name BASIN MANCOS
⁴ Property Code 320608	⁵ Property Name ROSA UNIT	⁶ Well Number 830H
⁷ OGRID No. 289408	⁸ Operator Name LOGOS OPERATING, LLC	⁹ Elevation 6563'

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
D	36	31N	5W		525	NORTH	492	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
B	34	31N	5W		507	NORTH	2439	EAST	RIO ARriba
¹² Dedicated Acres 960.00	N/2 - Section 34 N/2 - Section 35 N/2 - Section 36				¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13457		

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

LAST TAKE POINT
507' FNL 2439' FEL
SEC 34, T31N, R5W
LAT: 36.861960°N
LONG: 107.348355°W
DATUM: NAD1927

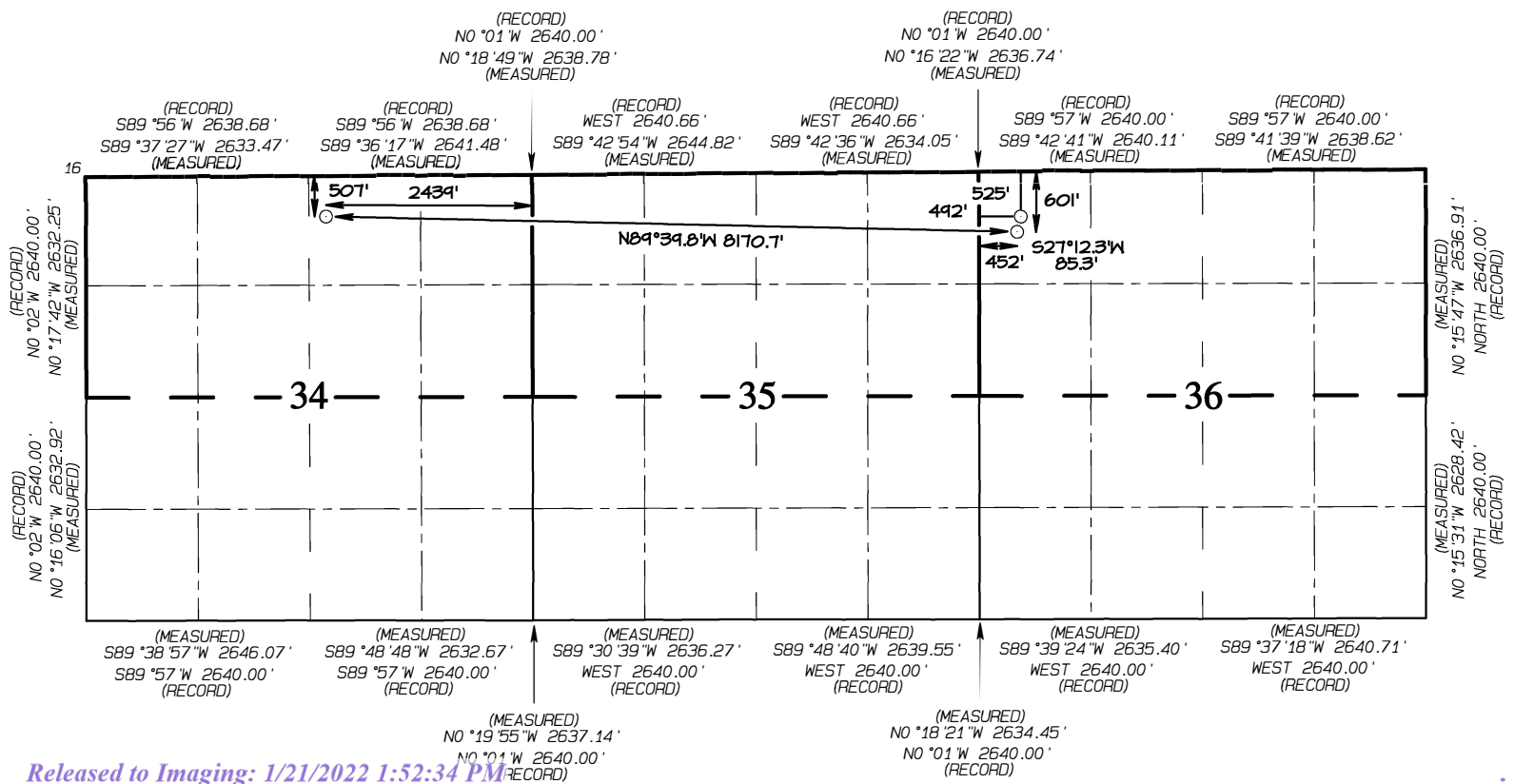
LAT: 36.861967°N
LONG: 107.348957°W
DATUM: NAD1983

FIRST TAKE POINT
601' FNL 452' FWL
SEC 36, T31N, R5W
LAT: 36.861711°N
LONG: 107.320428°W
DATUM: NAD1927

LAT: 36.861718°N
LONG: 107.321028°W
DATUM: NAD1983

SURFACE LOCATION
525' FNL 492' FWL
SEC 36, T31N, R5W
LAT: 36.861919°N
LONG: 107.320293°W
DATUM: NAD1927

LAT: 36.861925°N
LONG: 107.320894°W
DATUM: NAD1983



Released to Imaging: 1/21/2022 1:52:34 PM



Company: Logos Operating LLC
Project: Rio Arriba, NM NAD83
Site: Rosa Unit 42
Well: Rosa Unit # 830H
Wellbore: OH
Design: Plan #1

PROJECT DETAILS: Rio Arriba, NM NAD83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Local North: True



WELL DETAILS: Rosa Unit # 830H

WELL @ 6563.00ft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	2133466.81	2872998.82	36.8619250	-107.3208940	A1

Plan: Plan #1 (Rosa Unit # 830H/OH)

Created By: Janie Collins Date: 13:40, August 03 2021



Azimuths to True North: 8.62°
Magnetic North: 8.62°
Magnetic Field Strength: 49655 nT
Dip Angle: 63.82°
Date: 7/26/2021
Model: HDGM2021_FIT

DESIGN TARGET DETAILS

Well	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Rosa 830 POE	7146.00	-75.54	-39.32	2133391.05	2872959.90	36.8617175	-107.3210284
Rosa 830 BHL	7163.00	16.50	-8209.63	2133439.26	2864789.23	36.8619670	-107.3489570

SECTION DETAILS

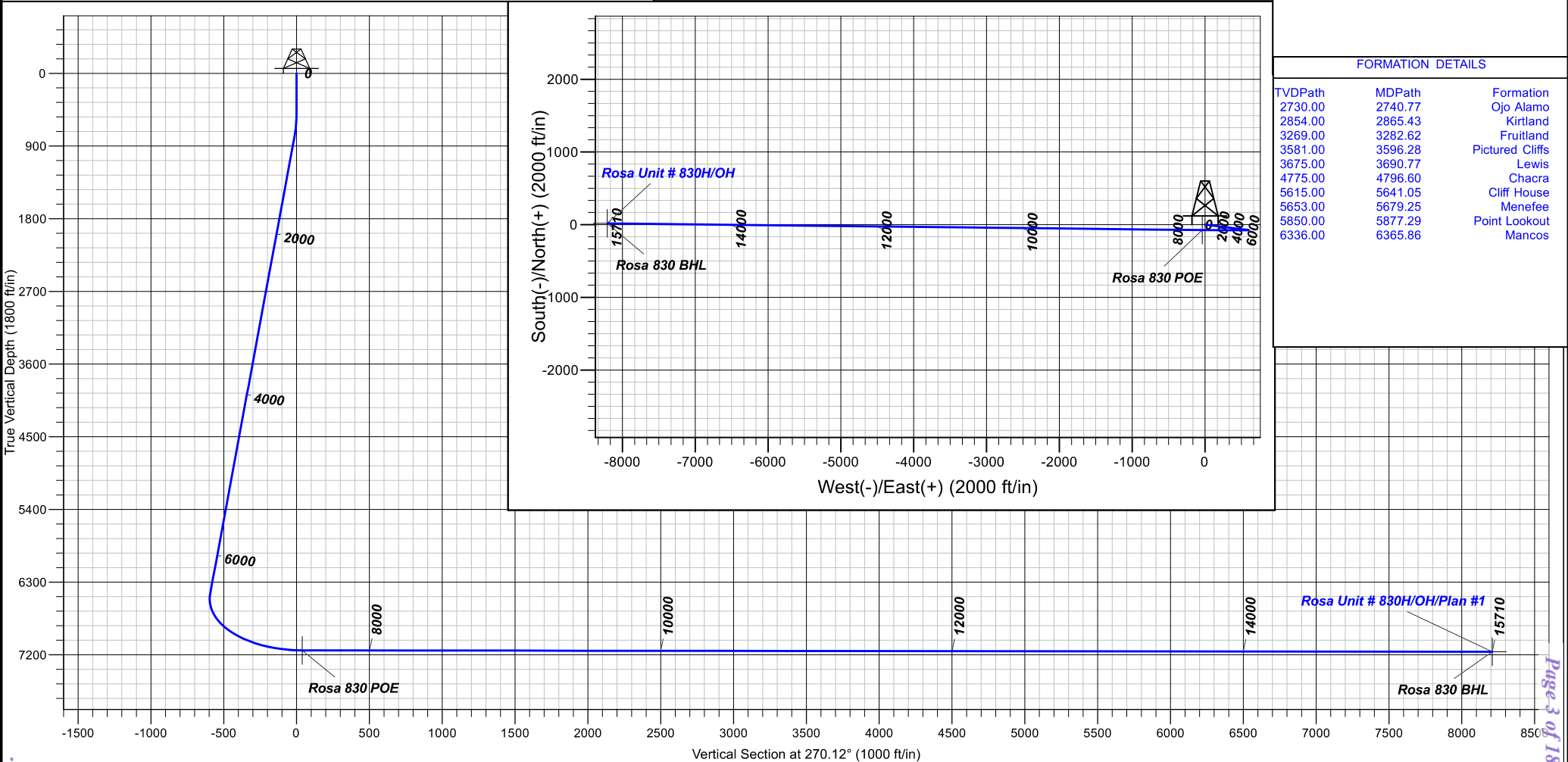
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00
794.16	5.88	97.16	793.64	-1.88	14.97	2.00	97.16	-14.97
6475.04	5.88	97.16	6444.60	-74.48	592.72	0.00	0.00	-592.87
7538.66	89.88	270.65	7146.00	-75.54	-39.32	9.00	173.45	39.17
15709.50	89.88	270.65	7163.00	16.50	-8209.63	0.00	0.00	8209.65

CASING DETAILS

No casing data is available

FORMATION DETAILS

TVDPATH	MDPATH	FORMATION
2730.00	2740.77	Ojo Alamo
2854.00	2865.43	Kirtland
3269.00	3282.62	Fruitland
3581.00	3596.28	Pictured Cliffs
3675.00	3690.77	Lewis
4775.00	4796.60	Chacara
5615.00	5641.05	Cliff House
5653.00	5679.25	Menefee
5850.00	5877.29	Point Lookout
6336.00	6365.86	Mancos



Received by OCB: 7/26/2021 1:39:40 PM



Logos Operating LLC

Rio Arriba, NM NAD83

Rosa Unit 42

Rosa Unit # 830H - Slot A1

OH

Plan: Plan #1

Standard Planning Report

03 August, 2021





Lonestar Consulting, LLC

Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Rosa Unit # 830H - Slot A1
Company:	Logos Operating LLC	TVD Reference:	WELL @ 6563.00ft (Original Well Elev)
Project:	Rio Arriba, NM NAD83	MD Reference:	WELL @ 6563.00ft (Original Well Elev)
Site:	Rosa Unit 42	North Reference:	True
Well:	Rosa Unit # 830H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Rio Arriba, NM NAD83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	Rosa Unit 42			
Site Position:		Northing:	2,133,466.81 usft	Latitude: 36.8619250
From:	Lat/Long	Easting:	2,872,998.82 usft	Longitude: -107.3208940
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.31 °

Well	Rosa Unit # 830H - Slot A1			
Well Position	+N/-S	0.00 ft	Northing:	2,133,466.81 usft
	+E/-W	0.00 ft	Easting:	2,872,998.82 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	Ground Level: 6,563.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	7/26/2021	8.58	63.35	49,655.30000000

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	270.12

Plan Survey Tool Program	Date	7/26/2021		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,709.50 Plan #1 (OH)	MWD+HDGM	
			OWSG MWD + HDGM	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
794.16	5.88	97.16	793.64	-1.88	14.97	2.00	2.00	0.00	97.16	
6,475.04	5.88	97.16	6,444.60	-74.48	592.72	0.00	0.00	0.00	0.00	
7,538.66	89.88	270.65	7,146.00	-75.54	-39.32	9.00	7.90	16.31	173.45	Rosa 830 POE
15,709.50	89.88	270.65	7,163.00	16.50	-8,209.63	0.00	0.00	0.00	0.00	Rosa 830 BHL



Lonestar Consulting, LLC

Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Rosa Unit # 830H - Slot A1
Company:	Logos Operating LLC	TVD Reference:	WELL @ 6563.00ft (Original Well Elev)
Project:	Rio Arriba, NM NAD83	MD Reference:	WELL @ 6563.00ft (Original Well Elev)
Site:	Rosa Unit 42	North Reference:	True
Well:	Rosa Unit # 830H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	2.00	97.16	599.98	-0.22	1.73	-1.73	2.00	2.00	0.00
700.00	4.00	97.16	699.84	-0.87	6.92	-6.93	2.00	2.00	0.00
794.16	5.88	97.16	793.64	-1.88	14.97	-14.97	2.00	2.00	0.00
800.00	5.88	97.16	799.45	-1.96	15.57	-15.57	0.00	0.00	0.00
900.00	5.88	97.16	898.93	-3.23	25.74	-25.74	0.00	0.00	0.00
1,000.00	5.88	97.16	998.40	-4.51	35.91	-35.91	0.00	0.00	0.00
1,100.00	5.88	97.16	1,097.87	-5.79	46.08	-46.09	0.00	0.00	0.00
1,200.00	5.88	97.16	1,197.35	-7.07	56.25	-56.26	0.00	0.00	0.00
1,300.00	5.88	97.16	1,296.82	-8.35	66.42	-66.43	0.00	0.00	0.00
1,400.00	5.88	97.16	1,396.30	-9.62	76.59	-76.61	0.00	0.00	0.00
1,500.00	5.88	97.16	1,495.77	-10.90	86.76	-86.78	0.00	0.00	0.00
1,600.00	5.88	97.16	1,595.24	-12.18	96.93	-96.95	0.00	0.00	0.00
1,700.00	5.88	97.16	1,694.72	-13.46	107.10	-107.12	0.00	0.00	0.00
1,800.00	5.88	97.16	1,794.19	-14.74	117.27	-117.30	0.00	0.00	0.00
1,900.00	5.88	97.16	1,893.66	-16.01	127.44	-127.47	0.00	0.00	0.00
2,000.00	5.88	97.16	1,993.14	-17.29	137.61	-137.64	0.00	0.00	0.00
2,100.00	5.88	97.16	2,092.61	-18.57	147.78	-147.81	0.00	0.00	0.00
2,200.00	5.88	97.16	2,192.08	-19.85	157.95	-157.99	0.00	0.00	0.00
2,300.00	5.88	97.16	2,291.56	-21.12	168.12	-168.16	0.00	0.00	0.00
2,400.00	5.88	97.16	2,391.03	-22.40	178.29	-178.33	0.00	0.00	0.00
2,500.01	5.88	97.16	2,490.50	-23.68	188.46	-188.50	0.00	0.00	0.00
2,600.01	5.88	97.16	2,589.98	-24.96	198.63	-198.68	0.00	0.00	0.00
2,700.01	5.88	97.16	2,689.45	-26.24	208.80	-208.85	0.00	0.00	0.00
2,800.01	5.88	97.16	2,788.92	-27.51	218.97	-219.02	0.00	0.00	0.00
2,900.01	5.88	97.16	2,888.40	-28.79	229.14	-229.19	0.00	0.00	0.00
3,000.01	5.88	97.16	2,987.87	-30.07	239.31	-239.37	0.00	0.00	0.00
3,100.01	5.88	97.16	3,087.34	-31.35	249.48	-249.54	0.00	0.00	0.00
3,200.01	5.88	97.16	3,186.82	-32.63	259.65	-259.71	0.00	0.00	0.00
3,300.01	5.88	97.16	3,286.29	-33.90	269.82	-269.89	0.00	0.00	0.00
3,400.01	5.88	97.16	3,385.77	-35.18	279.99	-280.06	0.00	0.00	0.00
3,500.01	5.88	97.16	3,485.24	-36.46	290.16	-290.23	0.00	0.00	0.00
3,600.01	5.88	97.16	3,584.71	-37.74	300.33	-300.40	0.00	0.00	0.00
3,700.01	5.88	97.16	3,684.19	-39.02	310.50	-310.58	0.00	0.00	0.00
3,800.01	5.88	97.16	3,783.66	-40.29	320.67	-320.75	0.00	0.00	0.00
3,900.01	5.88	97.16	3,883.13	-41.57	330.84	-330.92	0.00	0.00	0.00
4,000.01	5.88	97.16	3,982.61	-42.85	341.01	-341.09	0.00	0.00	0.00
4,100.01	5.88	97.16	4,082.08	-44.13	351.18	-351.27	0.00	0.00	0.00
4,200.01	5.88	97.16	4,181.55	-45.41	361.35	-361.44	0.00	0.00	0.00
4,300.01	5.88	97.16	4,281.03	-46.68	371.52	-371.61	0.00	0.00	0.00
4,400.01	5.88	97.16	4,380.50	-47.96	381.69	-381.78	0.00	0.00	0.00
4,500.01	5.88	97.16	4,479.97	-49.24	391.86	-391.96	0.00	0.00	0.00
4,600.01	5.88	97.16	4,579.45	-50.52	402.03	-402.13	0.00	0.00	0.00
4,700.01	5.88	97.16	4,678.92	-51.80	412.20	-412.30	0.00	0.00	0.00
4,800.01	5.88	97.16	4,778.39	-53.07	422.37	-422.47	0.00	0.00	0.00
4,900.01	5.88	97.16	4,877.87	-54.35	432.54	-432.65	0.00	0.00	0.00
5,000.01	5.88	97.16	4,977.34	-55.63	442.71	-442.82	0.00	0.00	0.00
5,100.01	5.88	97.16	5,076.81	-56.91	452.88	-452.99	0.00	0.00	0.00
5,200.01	5.88	97.16	5,176.29	-58.19	463.05	-463.16	0.00	0.00	0.00



Lonestar Consulting, LLC

Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Rosa Unit # 830H - Slot A1
Company:	Logos Operating LLC	TVD Reference:	WELL @ 6563.00ft (Original Well Elev)
Project:	Rio Arriba, NM NAD83	MD Reference:	WELL @ 6563.00ft (Original Well Elev)
Site:	Rosa Unit 42	North Reference:	True
Well:	Rosa Unit # 830H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.01	5.88	97.16	5,275.76	-59.46	473.22	-473.34	0.00	0.00	0.00
5,400.01	5.88	97.16	5,375.24	-60.74	483.39	-483.51	0.00	0.00	0.00
5,500.01	5.88	97.16	5,474.71	-62.02	493.56	-493.68	0.00	0.00	0.00
5,600.01	5.88	97.16	5,574.18	-63.30	503.73	-503.86	0.00	0.00	0.00
5,700.01	5.88	97.16	5,673.66	-64.57	513.90	-514.03	0.00	0.00	0.00
5,800.01	5.88	97.16	5,773.13	-65.85	524.07	-524.20	0.00	0.00	0.00
5,900.01	5.88	97.16	5,872.60	-67.13	534.24	-534.37	0.00	0.00	0.00
6,000.01	5.88	97.16	5,972.08	-68.41	544.41	-544.55	0.00	0.00	0.00
6,100.01	5.88	97.16	6,071.55	-69.69	554.58	-554.72	0.00	0.00	0.00
6,200.01	5.88	97.16	6,171.02	-70.96	564.75	-564.89	0.00	0.00	0.00
6,300.01	5.88	97.16	6,270.50	-72.24	574.92	-575.06	0.00	0.00	0.00
6,400.01	5.88	97.16	6,369.97	-73.52	585.09	-585.24	0.00	0.00	0.00
6,475.04	5.88	97.16	6,444.60	-74.48	592.72	-592.87	0.00	0.00	0.00
6,500.01	3.66	101.18	6,469.49	-74.79	594.77	-594.92	9.00	-8.90	16.08
6,600.01	5.44	263.60	6,569.37	-75.94	593.18	-593.34	9.00	1.78	162.42
6,700.01	14.42	268.04	6,667.77	-76.90	575.99	-576.15	9.00	8.97	4.44
6,800.01	23.41	269.10	6,762.27	-77.64	543.62	-543.77	9.00	8.99	1.06
6,900.01	32.41	269.59	6,850.55	-78.14	496.86	-497.02	9.00	9.00	0.49
7,000.01	41.41	269.89	6,930.43	-78.40	436.87	-437.03	9.00	9.00	0.30
7,100.01	50.41	270.09	6,999.94	-78.40	365.12	-365.28	9.00	9.00	0.21
7,200.01	59.40	270.25	7,057.37	-78.15	283.38	-283.54	9.00	9.00	0.16
7,300.01	68.40	270.38	7,101.31	-77.65	193.67	-193.83	9.00	9.00	0.13
7,400.01	77.40	270.50	7,130.68	-76.92	98.19	-98.35	9.00	9.00	0.12
7,500.02	86.40	270.60	7,144.75	-75.97	-0.71	0.55	9.00	9.00	0.11
7,538.66	89.88	270.65	7,146.00	-75.54	-39.32	39.17	9.00	9.00	0.11
7,600.02	89.88	270.65	7,146.13	-74.85	-100.67	100.52	0.00	0.00	0.00
7,700.02	89.88	270.65	7,146.34	-73.73	-200.67	200.52	0.00	0.00	0.00
7,800.02	89.88	270.65	7,146.54	-72.60	-300.66	300.51	0.00	0.00	0.00
7,900.02	89.88	270.65	7,146.75	-71.47	-400.65	400.51	0.00	0.00	0.00
8,000.02	89.88	270.65	7,146.96	-70.35	-500.65	500.51	0.00	0.00	0.00
8,100.02	89.88	270.65	7,147.17	-69.22	-600.64	600.50	0.00	0.00	0.00
8,200.02	89.88	270.65	7,147.38	-68.09	-700.64	700.50	0.00	0.00	0.00
8,300.02	89.88	270.65	7,147.58	-66.97	-800.63	800.49	0.00	0.00	0.00
8,400.02	89.88	270.65	7,147.79	-65.84	-900.62	900.49	0.00	0.00	0.00
8,500.02	89.88	270.65	7,148.00	-64.71	-1,000.62	1,000.48	0.00	0.00	0.00
8,600.02	89.88	270.65	7,148.21	-63.59	-1,100.61	1,100.48	0.00	0.00	0.00
8,700.02	89.88	270.65	7,148.42	-62.46	-1,200.60	1,200.48	0.00	0.00	0.00
8,800.02	89.88	270.65	7,148.62	-61.34	-1,300.60	1,300.47	0.00	0.00	0.00
8,900.02	89.88	270.65	7,148.83	-60.21	-1,400.59	1,400.47	0.00	0.00	0.00
9,000.02	89.88	270.65	7,149.04	-59.08	-1,500.58	1,500.46	0.00	0.00	0.00
9,100.02	89.88	270.65	7,149.25	-57.96	-1,600.58	1,600.46	0.00	0.00	0.00
9,200.02	89.88	270.65	7,149.46	-56.83	-1,700.57	1,700.45	0.00	0.00	0.00
9,300.02	89.88	270.65	7,149.66	-55.70	-1,800.57	1,800.45	0.00	0.00	0.00
9,400.02	89.88	270.65	7,149.87	-54.58	-1,900.56	1,900.45	0.00	0.00	0.00
9,500.02	89.88	270.65	7,150.08	-53.45	-2,000.55	2,000.44	0.00	0.00	0.00
9,600.02	89.88	270.65	7,150.29	-52.32	-2,100.55	2,100.44	0.00	0.00	0.00
9,700.02	89.88	270.65	7,150.50	-51.20	-2,200.54	2,200.43	0.00	0.00	0.00
9,800.02	89.88	270.65	7,150.71	-50.07	-2,300.53	2,300.43	0.00	0.00	0.00
9,900.02	89.88	270.65	7,150.91	-48.94	-2,400.53	2,400.42	0.00	0.00	0.00
10,000.02	89.88	270.65	7,151.12	-47.82	-2,500.52	2,500.42	0.00	0.00	0.00
10,100.02	89.88	270.65	7,151.33	-46.69	-2,600.51	2,600.42	0.00	0.00	0.00
10,200.02	89.88	270.65	7,151.54	-45.56	-2,700.51	2,700.41	0.00	0.00	0.00
10,300.02	89.88	270.65	7,151.75	-44.44	-2,800.50	2,800.41	0.00	0.00	0.00
10,400.02	89.88	270.65	7,151.95	-43.31	-2,900.50	2,900.40	0.00	0.00	0.00



Lonestar Consulting, LLC

Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Rosa Unit # 830H - Slot A1
Company:	Logos Operating LLC	TVD Reference:	WELL @ 6563.00ft (Original Well Elev)
Project:	Rio Arriba, NM NAD83	MD Reference:	WELL @ 6563.00ft (Original Well Elev)
Site:	Rosa Unit 42	North Reference:	True
Well:	Rosa Unit # 830H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,500.02	89.88	270.65	7,152.16	-42.18	-3,000.49	3,000.40	0.00	0.00	0.00
10,600.02	89.88	270.65	7,152.37	-41.06	-3,100.48	3,100.39	0.00	0.00	0.00
10,700.02	89.88	270.65	7,152.58	-39.93	-3,200.48	3,200.39	0.00	0.00	0.00
10,800.02	89.88	270.65	7,152.79	-38.81	-3,300.47	3,300.39	0.00	0.00	0.00
10,900.02	89.88	270.65	7,152.99	-37.68	-3,400.46	3,400.38	0.00	0.00	0.00
11,000.02	89.88	270.65	7,153.20	-36.55	-3,500.46	3,500.38	0.00	0.00	0.00
11,100.02	89.88	270.65	7,153.41	-35.43	-3,600.45	3,600.37	0.00	0.00	0.00
11,200.02	89.88	270.65	7,153.62	-34.30	-3,700.44	3,700.37	0.00	0.00	0.00
11,300.02	89.88	270.65	7,153.83	-33.17	-3,800.44	3,800.36	0.00	0.00	0.00
11,400.02	89.88	270.65	7,154.03	-32.05	-3,900.43	3,900.36	0.00	0.00	0.00
11,500.02	89.88	270.65	7,154.24	-30.92	-4,000.43	4,000.36	0.00	0.00	0.00
11,600.02	89.88	270.65	7,154.45	-29.79	-4,100.42	4,100.35	0.00	0.00	0.00
11,700.02	89.88	270.65	7,154.66	-28.67	-4,200.41	4,200.35	0.00	0.00	0.00
11,800.02	89.88	270.65	7,154.87	-27.54	-4,300.41	4,300.34	0.00	0.00	0.00
11,900.02	89.88	270.65	7,155.07	-26.41	-4,400.40	4,400.34	0.00	0.00	0.00
12,000.02	89.88	270.65	7,155.28	-25.29	-4,500.39	4,500.33	0.00	0.00	0.00
12,100.02	89.88	270.65	7,155.49	-24.16	-4,600.39	4,600.33	0.00	0.00	0.00
12,200.02	89.88	270.65	7,155.70	-23.03	-4,700.38	4,700.33	0.00	0.00	0.00
12,300.02	89.88	270.65	7,155.91	-21.91	-4,800.37	4,800.32	0.00	0.00	0.00
12,400.03	89.88	270.65	7,156.11	-20.78	-4,900.37	4,900.32	0.00	0.00	0.00
12,500.03	89.88	270.65	7,156.32	-19.65	-5,000.36	5,000.31	0.00	0.00	0.00
12,600.03	89.88	270.65	7,156.53	-18.53	-5,100.36	5,100.31	0.00	0.00	0.00
12,700.03	89.88	270.65	7,156.74	-17.40	-5,200.35	5,200.30	0.00	0.00	0.00
12,800.03	89.88	270.65	7,156.95	-16.28	-5,300.34	5,300.30	0.00	0.00	0.00
12,900.03	89.88	270.65	7,157.15	-15.15	-5,400.34	5,400.30	0.00	0.00	0.00
13,000.03	89.88	270.65	7,157.36	-14.02	-5,500.33	5,500.29	0.00	0.00	0.00
13,100.03	89.88	270.65	7,157.57	-12.90	-5,600.32	5,600.29	0.00	0.00	0.00
13,200.03	89.88	270.65	7,157.78	-11.77	-5,700.32	5,700.28	0.00	0.00	0.00
13,300.03	89.88	270.65	7,157.99	-10.64	-5,800.31	5,800.28	0.00	0.00	0.00
13,400.03	89.88	270.65	7,158.20	-9.52	-5,900.30	5,900.27	0.00	0.00	0.00
13,500.03	89.88	270.65	7,158.40	-8.39	-6,000.30	6,000.27	0.00	0.00	0.00
13,600.03	89.88	270.65	7,158.61	-7.26	-6,100.29	6,100.27	0.00	0.00	0.00
13,700.03	89.88	270.65	7,158.82	-6.14	-6,200.29	6,200.26	0.00	0.00	0.00
13,800.03	89.88	270.65	7,159.03	-5.01	-6,300.28	6,300.26	0.00	0.00	0.00
13,900.03	89.88	270.65	7,159.24	-3.88	-6,400.27	6,400.25	0.00	0.00	0.00
14,000.03	89.88	270.65	7,159.44	-2.76	-6,500.27	6,500.25	0.00	0.00	0.00
14,100.03	89.88	270.65	7,159.65	-1.63	-6,600.26	6,600.24	0.00	0.00	0.00
14,200.03	89.88	270.65	7,159.86	-0.50	-6,700.25	6,700.24	0.00	0.00	0.00
14,300.03	89.88	270.65	7,160.07	0.62	-6,800.25	6,800.24	0.00	0.00	0.00
14,400.03	89.88	270.65	7,160.28	1.75	-6,900.24	6,900.23	0.00	0.00	0.00
14,500.03	89.88	270.65	7,160.48	2.88	-7,000.23	7,000.23	0.00	0.00	0.00
14,600.03	89.88	270.65	7,160.69	4.00	-7,100.23	7,100.22	0.00	0.00	0.00
14,700.03	89.88	270.65	7,160.90	5.13	-7,200.22	7,200.22	0.00	0.00	0.00
14,800.03	89.88	270.65	7,161.11	6.25	-7,300.22	7,300.21	0.00	0.00	0.00
14,900.03	89.88	270.65	7,161.32	7.38	-7,400.21	7,400.21	0.00	0.00	0.00
15,000.03	89.88	270.65	7,161.52	8.51	-7,500.20	7,500.20	0.00	0.00	0.00
15,100.03	89.88	270.65	7,161.73	9.63	-7,600.20	7,600.20	0.00	0.00	0.00
15,200.03	89.88	270.65	7,161.94	10.76	-7,700.19	7,700.20	0.00	0.00	0.00
15,300.03	89.88	270.65	7,162.15	11.89	-7,800.18	7,800.19	0.00	0.00	0.00
15,400.03	89.88	270.65	7,162.36	13.01	-7,900.18	7,900.19	0.00	0.00	0.00
15,500.03	89.88	270.65	7,162.56	14.14	-8,000.17	8,000.18	0.00	0.00	0.00
15,600.03	89.88	270.65	7,162.77	15.27	-8,100.16	8,100.18	0.00	0.00	0.00
15,700.03	89.88	270.65	7,162.98	16.39	-8,200.16	8,200.17	0.00	0.00	0.00
15,709.50	89.88	270.65	7,163.00	16.50	-8,209.63	8,209.65	0.00	0.00	0.00



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Rosa Unit # 830H - Slot A1
Company:	Logos Operating LLC	TVD Reference:	WELL @ 6563.00ft (Original Well Elev)
Project:	Rio Arriba, NM NAD83	MD Reference:	WELL @ 6563.00ft (Original Well Elev)
Site:	Rosa Unit 42	North Reference:	True
Well:	Rosa Unit # 830H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Rosa 830 POE	0.00	0.00	7,146.00	-75.54	-39.32	2,133,391.05	2,872,959.91	36.8617175	-107.3210284
- plan hits target center									
- Point									
Rosa 830 BHL	0.00	0.00	7,163.00	16.50	-8,209.63	2,133,439.25	2,864,789.24	36.8619670	-107.3489570
- plan hits target center									
- Point									

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,740.77	2,730.00	Ojo Alamo		0.00	0.00
2,865.43	2,854.00	Kirtland		0.00	0.00
3,282.62	3,269.00	Fruitland		0.00	0.00
3,596.28	3,581.00	Pictured Cliffs		0.00	0.00
3,690.77	3,675.00	Lewis		0.00	0.00
4,796.60	4,775.00	Chacra		0.00	0.00
5,641.05	5,615.00	Cliff House		0.00	0.00
5,679.25	5,653.00	Menefee		0.00	0.00
5,877.29	5,850.00	Point Lookout		0.00	0.00
6,365.86	6,336.00	Mancos		0.00	0.00



LOGOS Operating, LLC Operations Plan

Note: This procedure will be adjusted onsite based upon actual conditions

Date:	December 1, 2021	Pool:	Basin Mancos
Well Name:	Rosa Unit 830H	GL Elevation:	6,563'
Surface Location:	Sec 36, T31N, R5W 525 FNL, 492 FWL (36.861925° N, 107.320894° W – NAD83)	Measured Depth:	15,710' (GL)
Bottom Hole Location:	Sec 34, T31N, R5W 507 FNL, 2439 FWL (36.861967° N, 107.348957° W – NAD83)	County:	Rio Arriba

Lease Serial #NMSF078768, CA Serial # NMNM78407E

I. GEOLOGY

A. Formation Tops (Based on GL Elevation): Estimated top of important geological markers:
SURFACE FORMATION – NACIMIENTO

NAME	MD	TVD	NAME	MD	TVD
OJO ALAMO	2741	2730	*POINT LOOKOUT	5877	5850
KIRTLAND	2865	2854	*MANCOS	6366	6336
*FRUITLAND	3283	3269	KICKOFF POINT	6475	6445
*PICTURED CLIFFS	3596	3581	LANDING POINT	7539	7146
LEWIS	3691	3675			
CHACRA	4797	4775			
*CLIFF HOUSE	5641	5615			
MENEFEE	5679	5653	TD	15,710	7,163

* Indicates depth at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered.

B. MUD LOGGING PROGRAM: Mudlogger on location from KOP to TD.

C. LOGGING PROGRAM: LWD GR from surface casing to TD.

D. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. MUD PROGRAM: LSND mud (WBM) will be used to drill the 17-1/2" surface hole as well as the 12-1/4" directional vertical hole. A LSND (WBM) or (OBM) will be used to drill the 8-3/4" curve and lateral portion of the wellbore. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.

Above ground steel pits will be used for fluid and cuttings while drilling. In the unlikely event that a tank develops a leak, upon immediate visual discovery, the fluid would be transferred to another tank and contaminated soil would be removed and disposed. Any leaks, spills or other undesirable events will be reported in accordance with BLM NTL 3A. Rig crews will monitor the tanks at all times.

ROSA UNIT 830H



- B. BOP TESTING:** The BOPE will be tested to **250 psi (Low) for 5 minutes** and **1500 psi (High) for 10 minutes**. Pressure test surface casing to **600 psi for 30 minutes** and intermediate casing to **1500 psi for 30 minutes**. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be inspected and tested each tour. BOP equipment will be tested every 30 days, after any repairs are made to the BOP equipment, and after the BOP equipment is subjected to pressure. Annular preventers will be functionally operated at least once per week. Pipe and blind rams shall be activated each trip or but not more than once a day. The New Mexico Oil & Gas Conservation Commission and the BLM will be notified 24 hours in advance of testing of BOPE. **All tests and inspections will be recorded and logged with time and results.** A full BOP test will be conducted when initially installed for the first well on the pad or if seals subject to test pressure are broken, following related repairs and at a minimum of 30 day intervals. A BOPE Shell Test only will be conducted for subsequent wells on the pad when seals subject to pressure have not been broken or repaired and fall within the 30 day interval of first full test.

III. MATERIALS

A. CASING EQUIPMENT:

CASING TYPE	OHSIZE (IN)	GL DEPTH (MD)	CSG SIZE	WEIGHT	GRADE	CONN
SURFACE	17.5"	320' or greater	13.375"	54.5 LBS	J-55 or equiv	LTC/BTC
INTERMEDIATE	12.25"	6,441'	9.625"	43.5 LBS	N-80 or equiv	LTC/BTC
PRODUCTION	8.5"	15,710'	5.5"	20 LBS	P-110 or equiv	LTC/BTC

NOTE: All casing depths are approximate, based on GL elevation and will be based on drilling conditions +/- 50'. Weights, grades and connections will be based on availability and may vary but will be equivalent or greater.

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 13-3/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
2. INTERMEDIATE CASING: 9-5/8" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) centralizer at 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. Optional use of DV Tools (2) will be strategically placed above loss circulation zones anticipated in the Mesaverde and Fruitland Coal. Optional use of cancellation plugs for DV tools may be used if losses while cementing are not encountered.
3. PRODUCTION CASING: Run 5-1/2" casing with cement nose guide Float Shoe, 5-1/2" full or pup joints as necessary, Landing Collar, 5-1/2" full or pup joints as necessary, at least (1) one Toe Sleeve (Sliding Sleeve) positioned inside the applicable production area. Centralizer program will be determined by wellbore conditions. Production casing to be pressure tested during completion operations with frac stack installed.

C. CEMENTING:

(Note: Cement type and volumes may be adjusted onsite due to actual conditions and availability)

1. SURFACE: Casing shall be set at ~ 320' and cemented to surface. TOC at Surface. 263 sks of 15.8 ppg Type Neat G, 1.18 cuft/sk yield or equivalent 223 sks of 14.6 ppg Type III with 1.39 cuft/sk yield, 30% excess.



2. **INTERMEDIATE:** Intermediate casing shall be kept fluid filled while running in to the hole to meet BLM minimum collapse requirements. The intermediate casing will be cemented in 2 or 3 stages using DV/STAGE tools in order to reduce cement losses and maximize cement coverage. Operator proposes optional DV tools above anticipated loss circulation zones in the Mesaverde and in the Fruitland coal. If losses are not observed during the second stage a cancelation plug will be pumped and the remaining cement will be pumped during stage 2. If cement does not circulate to the DV tool(s) or to surface, a CBL will be run to determine TOC.

	Top (ft)	Footage (ft)	Cement (ft3/ft) Annular Capacity	Excess (30%)	Total (ft3)	Total (bbl)	Slurry Yield (ft3/sk)	Sacks Cement	Density (PPG)
Stage 1 Tail	5,977	464	0.31318	1.3	206	37	1.15	180	15.8
Stage 1 Lead	4,847	1,130	0.31318	1.3	460	82	2.30	200	12.3
					667	119		380	
Stage 2 Tail	3,796	1,051	0.31318	1.3	428	76	1.50	285	13.5
Stage 2 Lead	3,333	463	0.31318	1.3	189	34	2.30	82	12.3
					616	110		367	
Stage 3 Tail	2,583	750	0.31318	1.3	305	54	1.99	153	12.8
Stage 3 Lead	320	2,263	0.31318	1.3	921	164	2.53	364	12
Stage 3 Lead	-	320	0.36268	1	116	21	2.53	46	12
					1,343	239		563	
All Stage Totals					2,626	468		1,310	

Calculations based on 30% excess for open hole and cement to surface. Actual excess pumped will be determined by well conditions.

3. **PRODUCTION:** Production casing will be cemented in 1 stage with 100' of cement overlap above intermediate shoe. A CBL, or alternatively, a Temperature Survey will be used to determine TOC.

	Top (ft)	Footage (ft)	Cement (ft3/ft) Annular Capacity	Excess (15%)	Total (ft3)	Total (bbl)	Slurry Yield (ft3/sk)	Sacks Cement	Density (PPG)
Cased Lead	6,341	100	0.2531	1	25	5	1.56	16	13
Open Hole Lead	6,441	9,269	0.2291	1.15	2,452	437	1.56	1,572	13
					2,478	441		1,588	

Calculations based on 15% excess for open hole and 100' overlap into intermediate casing. Actual volumes will vary.

Cement calculations are used for volume estimation. Well conditions will dictate final cement job design. Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and New Mexico Oil Conservation Division requirements. Slurries used will be the slurries listed above or equivalent slurries depending on service provider selected. Cement yields may change depending on slurries selected. All waiting on cement times shall be a minimum of 8 hours or adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

IV. **COMPLETION**

A. **CBL**

CBLs and/or Temperature Surveys will be performed as needed or required to determine cement top if cement is not circulated.

B. **PRESSURE TEST**

- C. Pressure test 5-1/2" casing to 1576 psi (0.22 psi/ft * 7,163' TVD) for 30 minutes. Increase pressure to Open Toe sleeves.

D. **STIMULATION**

ROSA UNIT 830H



Stimulate with sand and water. Isolate stages with flow through or dissolvable frac plugs. Drill out frac plugs as required and flowback lateral.

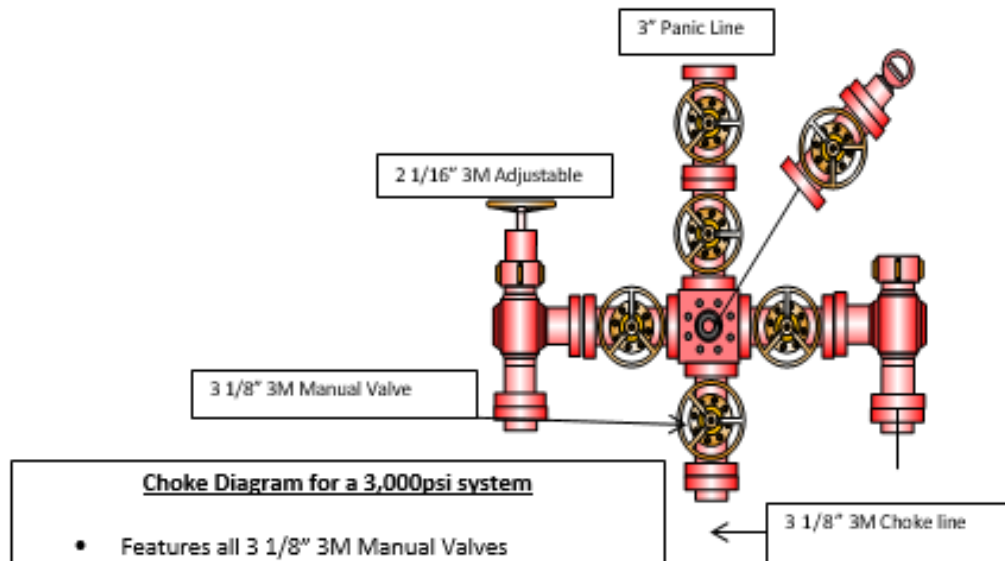
E. PRODUCTION TUBING

2-7/8", 6.5#, J-55 or L-80, EUE tubing will be run once volumes and pressures dictate. Due to the extremely high initial flow rates and pressures seen in offset wells, tubing will be installed once it is safe to do so, typically 12-18 months after completion.

*NOTE: Although this horizontal well may be drilled past the applicable setbacks, an unorthodox location application is not required because the completed interval in this well, as defined by 19.15.16.7 8(1) NMAC, will be entirely within the applicable setbacks. This approach complies with all applicable rules, including 19.15.16.14 A(3) NMAC, 19.15.16.14 8(2) NMAC, 19.15.16.15 8(2)NMAC, and 19.15.16.15. 8(4) NMAC.

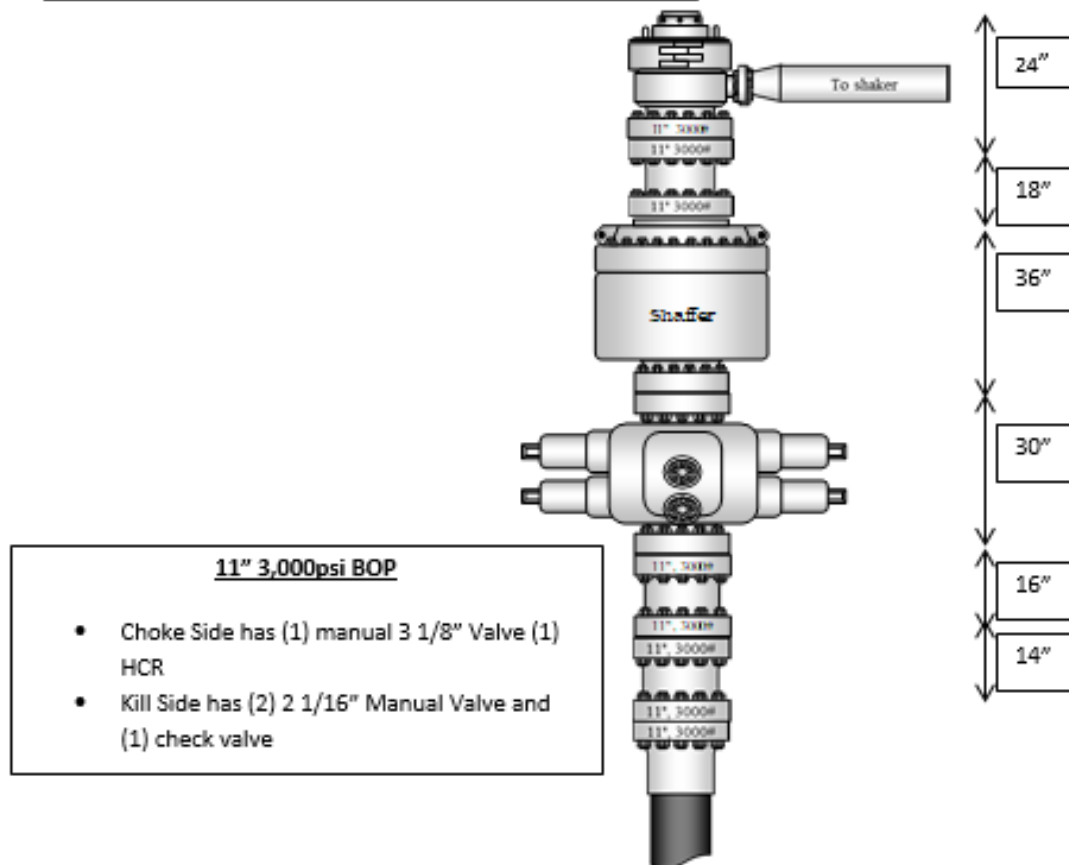


3M 11" B.O.P.E Diagram



Choke Diagram for a 3,000psi system

- Features all 3 1/8" 3M Manual Valves
- Two 2 1/16" Manual Adjustable Choke Valves
- 3" Panic Line and 2" Vent lines
- (2) 3 1/8" 3M Coflex Hose f/Choke to BOP



ROSA UNIT 830H

Well Name: ROSA UNIT	Well Location: T31N / R5W / SEC 36 / NWNW / 36.861925 / -107.320894	County or Parish/State: RIO ARRIBA / NM
Well Number: 830H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078768	Unit or CA Name: ROSA UNIT-MANCOS PA	Unit or CA Number: NMNM78407E
US Well Number: 300393136300X1	Well Status: Approved Application for Permit to Drill	Operator: LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2649743

Type of Submission: Notice of Intent

Date Sundry Submitted: 12/20/2021

Date proposed operation will begin: 12/20/2021

Type of Action: Other

Time Sundry Submitted: 01:52

Procedure Description: LOGOS Operating request a change in plans for the following: Original TD @ 15,826' MD 7228' TVD to new TD @ 15,710' MD 7163' TVD. Geology tops have been updated per changes. Original KOP @ 6641' MD 6586' TVD to new KOP @ 6475' MD 6445' TVD Original Landing point @ 7641' MD 7223' TVD to new Landing point @ 7539' MD 7146' TVD Original 8.75" OH size, 7" casing @ 6541' MD to new Intermediate 12.25" OH size, 9.625" casing @ 6441' MD 6370' TVD Original 6.125" OH size, 4.5" casing @ 15,826' MD to new Production 8.5" OH size, 5.5" casing @ 15,710' MD 7163' TVD New 9.625" Intermediate & 5.5" Production cementing, grade and weight 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_830H_Change_INT_PROD_20211220_20211220135129.pdf

Well Name: ROSA UNIT	Well Location: T31N / R5W / SEC 36 / NWNW / 36.861925 / -107.320894	County or Parish/State: RIO ARRIBA / NM
Well Number: 830H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
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US Well Number: 300393136300X1	Well Status: Approved Application for Permit to Drill	Operator: LOGOS OPERATING LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: ETTA TRUJILLO	Signed on: DEC 20, 2021 01:52 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

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: 12/22/2021
Signature: Kenneth Rennick	

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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

COMMENTS

Action 69253

COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 69253
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 1/3/2022	1/3/2022

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Action 69253

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Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 69253
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	1/3/2022