

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address LOGOS Operating, LLC 2010 Afton Place Farmington NM 87401			² OGRID Number 289408			
			³ Reason for Filing Code/ Effective Date New Well			
⁴ API Number 30-039-31418	⁵ Pool Name Basin Mancos			⁶ Pool Code 97232		
⁷ Property Code 320608	⁸ Property Name Rosa Unit			⁹ Well Number 664H		

II. 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
K	30	31N	5W	3	2260	FSL	966	FWL	Rio Arriba

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	28	31N	5W		904	FSL	1516	FEL	Rio Arriba
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

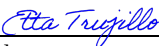
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
373888	Harvest Four Corners, LLC 1755 Arroyo Dr. Bloomfield NM 87413	G

IV. Well Completion Data

²¹ Spud Date 4/04/2022	²² Ready Date 9/20/2022	²³ TD 19,396' MD / 6,975' TVD	²⁴ PBTD 19,285' MD / 6975' TVD	²⁵ Perforations 7683' MD / 19218' MD 6991' TVD / 6975' TVD	²⁶ DHC, MC R-13457
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8", 54.5#, J-55	324'	364sx (74.5bbls - 419cf) - Circ 23bbls to surf		
12-1/4"	9-5/8", 43.5#, N-80	6404'	2618sx (887bbls - 6021cf) DV @ 4758' & 3191'. Circ 50bbls to surf		
8-1/2"	5 1/2", 20#, P-110	19,377'	2702sx (736.3bbls - 4134cf) - TOC @ 2300'		
	2 7/8", 6.5#, J-55	pending			

V. Well Test Data

³¹ Date New Oil N/A	³² Gas Delivery Date 9/20/2022	³³ Test Date 9/20/2022	³⁴ Test Length 12hrs	³⁵ Tbg. Pressure N/A	³⁶ Csg. Pressure 1808
³⁷ Choke Size 18/64	³⁸ Oil N/A	³⁹ Water 330bbls	⁴⁰ Gas 260 mcf		⁴¹ Test Method F

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature:  Printed name: Etta Trujillo Title: Regulatory Specialist E-mail Address: etrujillo@logosresourcesllc.com Date: 10/10/2022	Phone: 505-324-4154	OIL CONSERVATION DIVISION	
	Approved by: PATRICIA MARTINEZ		
	Title: PETROLEUM SPECIALIST		
	Approval Date: 2/13/2023		



Request for Confidential "Tight Hole" Status

LOGOS Operating, LLC
Rosa Unit # 664H
API# 30-039-31418
K-30-31-05W
Rio Arriba County, New Mexico

Per 19.15.7.16 WELL COMPLETION OR RECOMPLETION REPORT AND LOG (Form C-105): LOGOS Operating, LLC.
Request the Division keep Form C-105 and all pertained documentation confidential as of 10/26/2022 for 90 days acceptance of the referenced documents.

Sincerely,

A handwritten signature in blue ink that reads "Etta Trujillo".

Etta Trujillo
Regulatory Specialist
Email: etrujillo@logosresourcesllc.com
Office: 505-324-4154
Cell: 505-258-2936

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.

As-Drilled

Etta Trujillo 8/8/2022
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: AUGUST 8, 2022
Survey Date: SEPTEMBER 3, 2015

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
Certificate Number 15269

[illegible]

END-OF-LATERAL (D)
904' FSL 1516' FEL
SEC 28, T31N, R5W
LAT: 36.865834 °N
LONG: 107.363227 °W
DATUM: NAD1927

LAT: 36.865841 °N
LONG: 107.363829 °W
DATUM: NAD1983



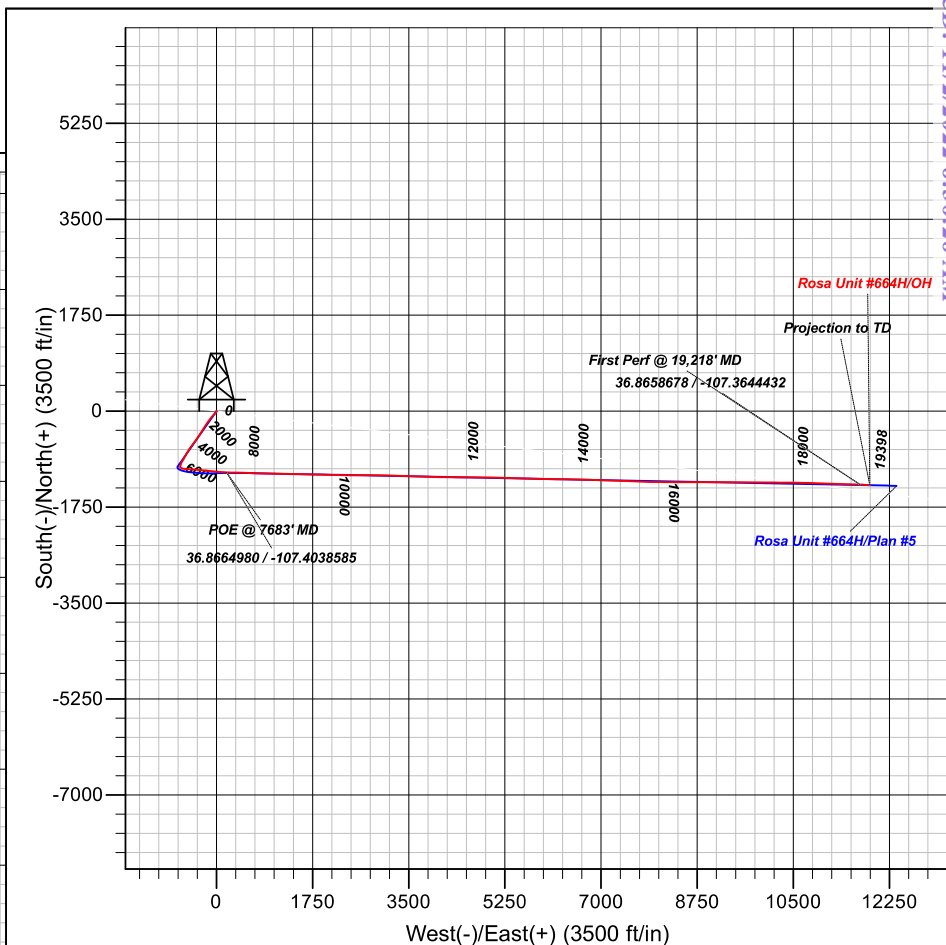
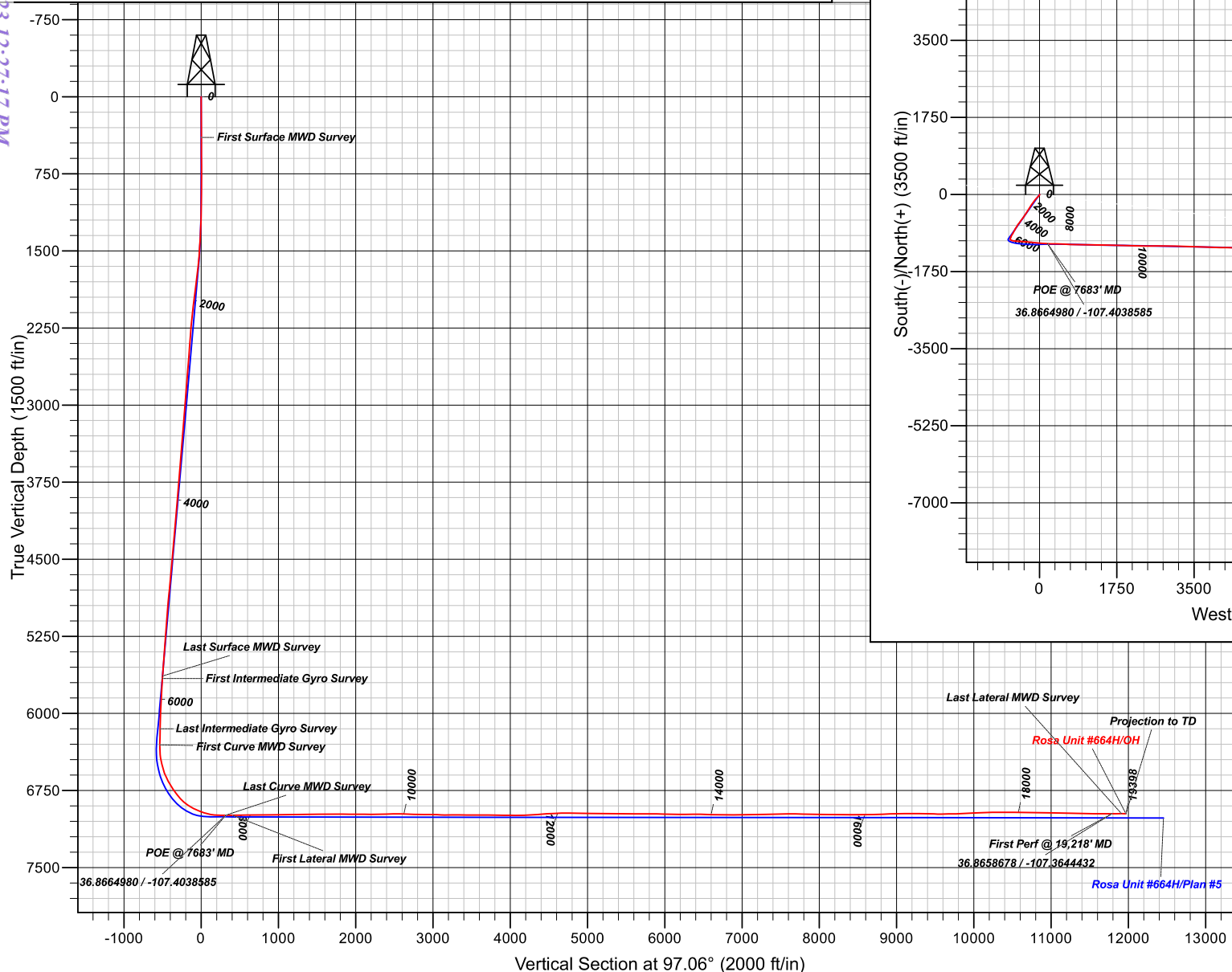
Company Name: Logos Operating LLC
 Project: Rio Arriba, NM NAD83
 Site: Rosa Unit 30
 Well: Rosa Unit #664H
 Wellbore: OH



WELL DETAILS: Rosa Unit #664H

GL 6394' & RKB 24.5' @ 6418.50ft (Ensign T223) 6394.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	2136125.13	2848533.64	36.8695578	-107.4044821	B5 (664H)



Design: OH (Rosa Unit #664H/OH)

Created By: Janie Collins Date: 12:50, July 22 2022

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



Logos Operating LLC

Rio Arriba, NM NAD83

Rosa Unit 30

Rosa Unit #664H - Slot B5 (664H)

OH

Design: OH

Standard Survey Report

22 July, 2022





Lonestar Consulting, LLC

Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Rosa Unit #664H - Slot B5 (664H)
Project:	Rio Arriba, NM NAD83	TVD Reference:	GL 6394' & RKB 24.5' @ 6418.50ft (Ensign T223)
Site:	Rosa Unit 30	MD Reference:	GL 6394' & RKB 24.5' @ 6418.50ft (Ensign T223)
Well:	Rosa Unit #664H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	edm

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 30			
Site Position:		Northing:	2,136,112.13 usft	Latitude:	36.8695220
From:	Lat/Long	Easting:	2,848,540.75 usft	Longitude:	-107.4044580
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in		

Well	Rosa Unit #664H - Slot B5 (664H)					
Well Position	+N/-S	0.00 ft	Northing:	2,136,125.13 usft	Latitude:	36.8695578
	+E/-W	0.00 ft	Easting:	2,848,533.65 usft	Longitude:	-107.4044821
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,394.00 ft
Grid Convergence:		0.26 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	6/2/2022	8.58	63.32	49,575.00000000

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	97.06	

Survey Program	Date	7/21/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
396.00	5,768.00	Survey #1 - Surface MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	
5,794.05	6,292.33	Survey #2 - Intermediate Gyro Survey (OH)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
6,450.01	7,680.00	Survey #3 - Curve MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	
7,774.00	19,398.00	Survey #4 - Lateral MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	

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	
396.00	0.82	147.10	395.99	-2.38	1.54	1.82	0.21	0.21	0.00	
485.00	0.87	150.54	484.98	-3.50	2.22	2.63	0.08	0.06	3.87	
574.00	0.77	152.32	573.97	-4.62	2.83	3.37	0.12	-0.11	2.00	
665.00	0.66	155.23	664.96	-5.64	3.33	4.00	0.13	-0.12	3.20	



Lonestar Consulting, LLC

Survey Report



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Site:	Rosa Unit 30	MD Reference:	GL 6394' & RKB 24.5' @ 6418.50ft (Ensign T223)
Well:	Rosa Unit #664H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	edm

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)
756.00	1.05	208.94	755.95	-6.84	3.15	3.96	0.93	0.43	59.02
851.00	1.18	211.52	850.94	-8.44	2.21	3.24	0.15	0.14	2.72
951.00	1.14	215.40	950.92	-10.13	1.10	2.34	0.09	-0.04	3.88
1,040.00	1.11	218.49	1,039.90	-11.52	0.05	1.47	0.08	-0.03	3.47
1,130.00	3.06	223.52	1,129.83	-13.95	-2.15	-0.42	2.17	2.17	5.59
1,222.00	4.34	218.55	1,221.64	-18.45	-6.01	-3.69	1.43	1.39	-5.40
1,316.00	6.20	219.82	1,315.24	-25.13	-11.47	-8.30	1.98	1.98	1.35
1,412.00	8.20	219.18	1,410.48	-34.42	-19.12	-14.74	2.08	2.08	-0.67
1,507.00	10.17	221.24	1,504.26	-45.98	-28.93	-23.06	2.10	2.07	2.17
1,601.00	12.13	221.13	1,596.48	-59.66	-40.90	-33.25	2.09	2.09	-0.12
1,695.00	13.96	221.38	1,688.05	-75.61	-54.89	-45.18	1.95	1.95	0.27
1,790.00	15.40	222.69	1,779.94	-93.48	-71.02	-58.99	1.56	1.52	1.38
1,886.00	15.88	222.70	1,872.39	-112.50	-88.57	-74.07	0.50	0.50	0.01
1,981.00	16.35	223.82	1,963.66	-131.70	-106.64	-89.65	0.59	0.49	1.18
2,076.00	16.26	222.64	2,054.84	-151.13	-124.91	-105.39	0.36	-0.09	-1.24
2,171.00	15.14	216.78	2,146.30	-170.86	-141.35	-119.28	2.04	-1.18	-6.17
2,267.00	14.10	211.72	2,239.19	-190.85	-155.00	-130.37	1.71	-1.08	-5.27
2,364.00	13.51	210.20	2,333.39	-210.69	-166.91	-139.75	0.71	-0.61	-1.57
2,459.00	13.76	211.62	2,425.71	-229.90	-178.42	-148.81	0.44	0.26	1.49
2,554.00	13.61	212.44	2,518.01	-248.95	-190.34	-158.30	0.26	-0.16	0.86
2,650.00	13.92	212.33	2,611.25	-268.24	-202.57	-168.07	0.32	0.32	-0.11
2,745.00	14.25	212.84	2,703.39	-287.72	-215.02	-178.03	0.37	0.35	0.54
2,840.00	14.33	213.28	2,795.45	-307.37	-227.82	-188.31	0.14	0.08	0.46
2,935.00	13.65	213.09	2,887.64	-326.59	-240.39	-198.42	0.72	-0.72	-0.20
3,031.00	13.13	212.25	2,981.03	-345.31	-252.39	-208.04	0.58	-0.54	-0.87
3,126.00	12.98	213.58	3,073.57	-363.32	-264.05	-217.39	0.35	-0.16	1.40
3,221.00	12.63	214.09	3,166.21	-380.81	-275.77	-226.88	0.39	-0.37	0.54
3,317.00	13.07	212.13	3,259.80	-398.69	-287.43	-236.25	0.65	0.46	-2.04
3,412.00	13.49	213.55	3,352.26	-417.03	-299.26	-245.74	0.56	0.44	1.49
3,507.00	13.51	215.41	3,444.64	-435.30	-311.82	-255.95	0.46	0.02	1.96
3,602.00	14.15	214.63	3,536.89	-453.90	-324.85	-266.59	0.70	0.67	-0.82
3,698.00	13.29	213.75	3,630.15	-472.73	-337.65	-276.98	0.92	-0.90	-0.92
3,793.00	13.55	212.82	3,722.55	-491.17	-349.74	-286.72	0.36	0.27	-0.98
3,888.00	13.17	211.54	3,814.98	-509.74	-361.44	-296.04	0.51	-0.40	-1.35
3,983.00	13.13	212.16	3,907.49	-528.10	-372.84	-305.11	0.15	-0.04	0.65
4,078.00	13.99	215.34	3,999.84	-546.60	-385.23	-315.12	1.20	0.91	3.35
4,173.00	13.59	216.71	4,092.11	-564.92	-398.54	-326.09	0.54	-0.42	1.44
4,269.00	14.16	216.81	4,185.30	-583.36	-412.32	-337.49	0.59	0.59	0.10
4,364.00	15.25	216.82	4,277.19	-602.67	-426.77	-349.46	1.15	1.15	0.01
4,459.00	13.20	215.49	4,369.27	-621.50	-440.56	-360.83	2.19	-2.16	-1.40
4,554.00	12.13	217.05	4,461.96	-638.30	-452.87	-370.98	1.18	-1.13	1.64
4,649.00	12.67	218.45	4,554.75	-654.43	-465.36	-381.40	0.65	0.57	1.47



Lonestar Consulting, LLC

Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Rosa Unit #664H - Slot B5 (664H)
Project:	Rio Arriba, NM NAD83	TVD Reference:	GL 6394' & RKB 24.5' @ 6418.50ft (Ensign T223)
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Well:	Rosa Unit #664H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	edm

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)	
4,745.00	14.07	217.03	4,648.14	-671.99	-478.93	-392.71	1.50	1.46	-1.48	
4,840.00	15.19	214.46	4,740.06	-691.47	-492.93	-404.21	1.36	1.18	-2.71	
4,935.00	17.41	211.71	4,831.24	-713.82	-507.45	-415.86	2.47	2.34	-2.89	
5,030.00	16.68	212.74	4,922.07	-737.38	-522.29	-427.70	0.83	-0.77	1.08	
5,125.00	15.30	211.04	5,013.39	-759.59	-536.13	-438.70	1.53	-1.45	-1.79	
5,198.00	14.39	208.31	5,083.95	-775.83	-545.40	-445.91	1.57	-1.25	-3.74	
5,293.00	15.72	207.67	5,175.69	-797.62	-556.97	-454.71	1.41	1.40	-0.67	
5,388.00	15.34	207.06	5,267.22	-820.21	-568.66	-463.54	0.44	-0.40	-0.64	
5,484.00	14.32	207.08	5,360.02	-842.09	-579.85	-471.95	1.06	-1.06	0.02	
5,579.00	13.82	209.35	5,452.17	-862.44	-590.76	-480.28	0.78	-0.53	2.39	
5,673.00	13.60	212.79	5,543.50	-881.52	-602.24	-489.33	0.90	-0.23	3.66	
5,768.00	12.77	212.28	5,635.99	-899.78	-613.90	-498.65	0.88	-0.87	-0.54	
5,794.05	12.54	213.40	5,661.41	-904.58	-617.00	-501.14	1.29	-0.88	4.30	
5,819.85	13.25	213.31	5,686.56	-909.39	-620.16	-503.69	2.75	2.75	-0.35	
5,845.45	13.16	212.18	5,711.48	-914.31	-623.32	-506.22	1.07	-0.35	-4.41	
5,871.36	12.79	211.94	5,736.73	-919.24	-626.41	-508.68	1.44	-1.43	-0.93	
5,893.66	12.72	210.94	5,758.48	-923.44	-628.98	-510.71	1.04	-0.31	-4.48	
5,920.92	12.59	208.75	5,785.08	-928.62	-631.95	-513.03	1.82	-0.48	-8.03	
5,943.64	12.63	207.84	5,807.25	-932.98	-634.30	-514.82	0.89	0.18	-4.01	
5,968.82	12.36	205.40	5,831.83	-937.85	-636.74	-516.65	2.35	-1.07	-9.69	
5,995.09	12.10	203.36	5,857.51	-942.92	-639.04	-518.30	1.92	-0.99	-7.77	
6,019.15	11.94	201.89	5,881.04	-947.54	-640.97	-519.65	1.44	-0.67	-6.11	
6,045.74	11.95	199.40	5,907.05	-952.69	-642.91	-520.94	1.94	0.04	-9.36	
6,069.24	11.55	199.27	5,930.06	-957.21	-644.49	-521.96	1.71	-1.70	-0.55	
6,094.70	11.23	200.90	5,955.02	-961.93	-646.22	-523.09	1.78	-1.26	6.40	
6,119.83	10.80	201.02	5,979.69	-966.41	-647.94	-524.24	1.71	-1.71	0.48	
6,143.73	10.20	202.64	6,003.19	-970.46	-649.56	-525.35	2.80	-2.51	6.78	
6,168.63	9.86	202.99	6,027.71	-974.46	-651.24	-526.53	1.39	-1.37	1.41	
6,194.06	9.28	202.95	6,052.78	-978.35	-652.89	-527.69	2.28	-2.28	-0.16	
6,218.63	9.27	203.49	6,077.03	-981.99	-654.45	-528.79	0.36	-0.04	2.20	
6,243.64	8.90	201.81	6,101.73	-985.63	-655.97	-529.85	1.82	-1.48	-6.72	
6,268.44	8.77	201.56	6,126.23	-989.17	-657.38	-530.82	0.55	-0.52	-1.01	
6,292.33	8.43	201.06	6,149.85	-992.50	-658.68	-531.70	1.46	-1.42	-2.09	
6,450.00	6.88	192.56	6,306.12	-1,012.50	-664.88	-535.40	1.21	-0.98	-5.39	
6,545.00	9.41	149.56	6,400.24	-1,024.77	-662.18	-531.21	6.74	2.66	-45.26	
6,577.00	13.78	126.68	6,431.59	-1,029.30	-657.80	-526.30	19.58	13.66	-71.50	
6,640.00	18.43	114.57	6,492.12	-1,037.93	-642.71	-510.27	9.07	7.38	-19.22	
6,735.00	26.69	103.44	6,579.81	-1,049.16	-608.23	-474.66	9.75	8.69	-11.72	
6,830.00	35.85	96.49	6,660.95	-1,057.28	-559.72	-425.52	10.35	9.64	-7.32	
6,925.00	41.51	90.39	6,735.11	-1,060.65	-500.52	-366.37	7.18	5.96	-6.42	
6,973.00	45.05	91.72	6,770.05	-1,061.26	-467.63	-333.65	7.62	7.37	2.77	
7,020.00	47.09	93.41	6,802.66	-1,062.79	-433.82	-299.90	5.05	4.34	3.60	



Lonestar Consulting, LLC

Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Rosa Unit #664H - Slot B5 (664H)
Project:	Rio Arriba, NM NAD83	TVD Reference:	GL 6394' & RKB 24.5' @ 6418.50ft (Ensign T223)
Site:	Rosa Unit 30	MD Reference:	GL 6394' & RKB 24.5' @ 6418.50ft (Ensign T223)
Well:	Rosa Unit #664H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	edm

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)	
7,067.00	50.74	92.91	6,833.54	-1,064.74	-398.45	-264.57	7.81	7.77	-1.06	
7,114.00	56.67	94.32	6,861.35	-1,067.14	-360.67	-226.77	12.85	12.62	3.00	
7,161.00	61.38	96.03	6,885.54	-1,070.79	-320.55	-186.51	10.49	10.02	3.64	
7,208.00	65.45	97.50	6,906.57	-1,075.75	-278.82	-144.49	9.10	8.66	3.13	
7,256.00	69.17	96.78	6,925.08	-1,081.25	-234.89	-100.21	7.87	7.75	-1.50	
7,303.00	72.56	96.31	6,940.48	-1,086.31	-190.78	-55.82	7.27	7.21	-1.00	
7,350.00	74.17	96.09	6,953.94	-1,091.17	-146.01	-10.79	3.45	3.43	-0.47	
7,397.00	75.76	96.15	6,966.13	-1,096.01	-100.88	34.59	3.39	3.38	0.13	
7,444.01	78.72	95.89	6,976.51	-1,100.81	-55.30	80.42	6.32	6.30	-0.55	
7,491.01	83.56	94.68	6,983.75	-1,105.09	-9.07	126.82	10.61	10.30	-2.57	
7,585.00	88.19	92.05	6,990.51	-1,110.58	84.48	220.34	5.66	4.93	-2.80	
7,680.00	90.50	91.92	6,991.59	-1,113.87	179.41	314.96	2.44	2.43	-0.14	
7,774.00	90.44	91.79	6,990.82	-1,116.91	273.36	408.56	0.15	-0.06	-0.14	
7,868.00	90.48	92.34	6,990.07	-1,120.30	367.29	502.20	0.59	0.04	0.59	
7,963.00	90.54	92.28	6,989.22	-1,124.13	462.21	596.87	0.09	0.06	-0.06	
8,057.00	90.37	92.22	6,988.47	-1,127.82	556.14	690.54	0.19	-0.18	-0.06	
8,151.00	89.97	92.33	6,988.20	-1,131.55	650.06	784.21	0.44	-0.43	0.12	
8,247.00	90.97	91.29	6,987.41	-1,134.58	746.01	879.80	1.50	1.04	-1.08	
8,342.00	90.57	91.42	6,986.13	-1,136.83	840.97	974.32	0.44	-0.42	0.14	
8,437.00	90.44	91.09	6,985.29	-1,138.91	935.95	1,068.83	0.37	-0.14	-0.35	
8,532.00	90.07	91.01	6,984.87	-1,140.65	1,030.93	1,163.31	0.40	-0.39	-0.08	
8,627.00	91.20	91.49	6,983.82	-1,142.72	1,125.90	1,257.81	1.29	1.19	0.51	
8,722.00	90.80	91.24	6,982.16	-1,144.99	1,220.86	1,352.33	0.50	-0.42	-0.26	
8,818.00	90.27	91.26	6,981.26	-1,147.08	1,316.83	1,447.83	0.55	-0.55	0.02	
8,912.00	89.67	91.49	6,981.31	-1,149.34	1,410.80	1,541.37	0.68	-0.64	0.24	
9,007.00	90.84	91.05	6,980.89	-1,151.44	1,505.78	1,635.88	1.32	1.23	-0.46	
9,101.00	90.17	90.60	6,980.06	-1,152.80	1,599.76	1,729.32	0.86	-0.71	-0.48	
9,196.00	89.70	90.52	6,980.17	-1,153.72	1,694.76	1,823.71	0.50	-0.49	-0.08	
9,291.00	89.13	90.56	6,981.14	-1,154.62	1,789.75	1,918.09	0.60	-0.60	0.04	
9,387.00	90.40	91.46	6,981.53	-1,156.31	1,885.73	2,013.55	1.62	1.32	0.94	
9,482.00	89.80	91.64	6,981.37	-1,158.88	1,980.70	2,108.12	0.66	-0.63	0.19	
9,577.00	89.26	91.88	6,982.15	-1,161.80	2,075.65	2,202.71	0.62	-0.57	0.25	
9,673.00	91.37	91.09	6,981.62	-1,164.29	2,171.61	2,298.24	2.35	2.20	-0.82	
9,768.00	90.80	91.35	6,979.82	-1,166.31	2,266.57	2,392.73	0.66	-0.60	0.27	
9,863.00	90.57	91.79	6,978.68	-1,168.91	2,361.53	2,487.29	0.52	-0.24	0.46	
9,958.00	89.60	89.84	6,978.54	-1,170.26	2,456.51	2,581.72	2.29	-1.02	-2.05	
10,054.00	88.89	89.66	6,979.81	-1,169.84	2,552.50	2,676.93	0.76	-0.74	-0.19	
10,149.00	88.23	90.20	6,982.20	-1,169.73	2,647.47	2,771.17	0.90	-0.69	0.57	
10,244.00	90.20	90.20	6,983.50	-1,170.06	2,742.46	2,865.47	2.07	2.07	0.00	
10,340.00	89.13	90.02	6,984.06	-1,170.24	2,838.45	2,960.77	1.13	-1.11	-0.19	
10,435.00	88.33	90.59	6,986.16	-1,170.75	2,933.43	3,055.08	1.03	-0.84	0.60	
10,530.00	89.53	90.91	6,987.94	-1,171.99	3,028.40	3,149.49	1.31	1.26	0.34	



Lonestar Consulting, LLC

Survey Report



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Well:	Rosa Unit #664H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	edm

Survey										
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10,626.00	90.77	91.54	6,987.69	-1,174.04	3,124.38	3,244.99	1.45	1.29	0.66	
10,721.00	89.93	91.33	6,987.11	-1,176.42	3,219.35	3,339.53	0.91	-0.88	-0.22	
10,816.00	89.16	90.82	6,987.86	-1,178.21	3,314.32	3,434.01	0.97	-0.81	-0.54	
10,911.00	90.40	92.01	6,988.23	-1,180.55	3,409.29	3,528.54	1.81	1.31	1.25	
11,007.00	89.77	92.33	6,988.08	-1,184.19	3,505.22	3,624.19	0.74	-0.66	0.33	
11,102.00	89.20	93.00	6,988.94	-1,188.60	3,600.12	3,718.91	0.93	-0.60	0.71	
11,197.00	88.93	92.81	6,990.49	-1,193.42	3,694.98	3,813.65	0.35	-0.28	-0.20	
11,293.00	90.37	91.70	6,991.07	-1,197.19	3,790.90	3,909.30	1.89	1.50	-1.16	
11,388.00	90.00	92.02	6,990.77	-1,200.28	3,885.85	4,003.91	0.51	-0.39	0.34	
11,482.00	89.30	91.45	6,991.34	-1,203.12	3,979.80	4,097.50	0.96	-0.74	-0.61	
11,578.00	91.27	90.48	6,990.86	-1,204.74	4,075.78	4,192.95	2.29	2.05	-1.01	
11,673.00	93.78	90.75	6,986.68	-1,205.76	4,170.68	4,287.25	2.66	2.64	0.28	
11,768.00	93.08	90.11	6,981.00	-1,206.47	4,265.50	4,381.45	1.00	-0.74	-0.67	
11,863.00	92.51	90.40	6,976.36	-1,206.89	4,360.39	4,475.67	0.67	-0.60	0.31	
11,958.00	91.74	90.03	6,972.84	-1,207.25	4,455.32	4,569.93	0.90	-0.81	-0.39	
12,054.00	90.77	90.57	6,970.74	-1,207.75	4,551.30	4,665.23	1.16	-1.01	0.56	
12,149.00	90.07	90.26	6,970.04	-1,208.44	4,646.29	4,759.59	0.81	-0.74	-0.33	
12,244.00	89.40	90.89	6,970.48	-1,209.39	4,741.29	4,853.98	0.97	-0.71	0.66	
12,339.00	89.06	90.66	6,971.76	-1,210.68	4,836.27	4,948.40	0.43	-0.36	-0.24	
12,434.01	88.56	90.28	6,973.73	-1,211.46	4,931.24	5,042.75	0.66	-0.53	-0.40	
12,530.00	90.13	91.40	6,974.83	-1,212.86	5,027.21	5,138.17	2.01	1.64	1.17	
12,625.00	89.77	91.63	6,974.91	-1,215.38	5,122.18	5,232.72	0.45	-0.38	0.24	
12,720.00	89.43	91.17	6,975.57	-1,217.70	5,217.15	5,327.26	0.60	-0.36	-0.48	
12,815.00	89.26	91.01	6,976.66	-1,219.50	5,312.13	5,421.74	0.25	-0.18	-0.17	
12,911.00	89.00	90.91	6,978.12	-1,221.11	5,408.10	5,517.18	0.29	-0.27	-0.10	
13,006.00	90.54	91.14	6,978.50	-1,222.81	5,503.08	5,611.65	1.64	1.62	0.24	
13,101.00	90.33	91.68	6,977.78	-1,225.15	5,598.05	5,706.19	0.61	-0.22	0.57	
13,196.00	89.80	91.92	6,977.67	-1,228.13	5,693.00	5,800.79	0.61	-0.56	0.25	
13,290.00	89.60	92.16	6,978.16	-1,231.48	5,786.94	5,894.43	0.33	-0.21	0.26	
13,386.00	88.93	92.59	6,979.39	-1,235.46	5,882.85	5,990.10	0.83	-0.70	0.45	
13,481.00	89.60	91.35	6,980.61	-1,238.72	5,977.79	6,084.71	1.48	0.71	-1.31	
13,576.00	88.83	91.23	6,981.91	-1,240.86	6,072.75	6,179.22	0.82	-0.81	-0.13	
13,670.00	90.64	90.64	6,982.35	-1,242.40	6,166.74	6,272.68	2.03	1.93	-0.63	
13,765.00	90.23	90.81	6,981.63	-1,243.60	6,261.73	6,367.10	0.47	-0.43	0.18	
13,861.00	89.77	90.76	6,981.63	-1,244.91	6,357.72	6,462.52	0.48	-0.48	-0.05	
13,955.00	89.33	91.16	6,982.37	-1,246.49	6,451.70	6,555.99	0.63	-0.47	0.43	
14,050.00	89.13	91.18	6,983.64	-1,248.43	6,546.67	6,650.48	0.21	-0.21	0.02	
14,146.00	88.73	91.51	6,985.43	-1,250.68	6,642.63	6,745.98	0.54	-0.42	0.34	
14,241.00	88.63	91.24	6,987.62	-1,252.96	6,737.58	6,840.49	0.30	-0.11	-0.28	
14,336.00	90.67	91.32	6,988.20	-1,255.08	6,832.55	6,935.00	2.15	2.15	0.08	
14,431.00	89.90	91.80	6,987.73	-1,257.67	6,927.51	7,029.56	0.96	-0.81	0.51	
14,525.00	92.07	91.50	6,986.12	-1,260.37	7,021.45	7,123.12	2.33	2.31	-0.32	



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Well:	Rosa Unit #664H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	edm

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)	
14,620.00	91.51	91.30	6,983.15	-1,262.69	7,116.37	7,217.61	0.63	-0.59	-0.21	
14,715.00	91.04	92.03	6,981.03	-1,265.45	7,211.31	7,312.17	0.91	-0.49	0.77	
14,810.00	90.50	91.89	6,979.76	-1,268.70	7,306.25	7,406.78	0.59	-0.57	-0.15	
14,905.00	90.47	92.29	6,978.95	-1,272.17	7,401.18	7,501.42	0.42	-0.03	0.42	
15,001.00	90.00	93.36	6,978.56	-1,276.90	7,497.06	7,597.16	1.22	-0.49	1.11	
15,096.00	89.77	93.86	6,978.75	-1,282.88	7,591.87	7,691.99	0.58	-0.24	0.53	
15,190.00	89.77	91.37	6,979.13	-1,287.17	7,685.77	7,785.70	2.65	0.00	-2.65	
15,285.00	89.00	91.51	6,980.15	-1,289.55	7,780.73	7,880.23	0.82	-0.81	0.15	
15,379.00	88.76	91.08	6,981.98	-1,291.68	7,874.69	7,973.74	0.52	-0.26	-0.46	
15,474.00	89.83	90.57	6,983.15	-1,293.05	7,969.67	8,068.17	1.25	1.13	-0.54	
15,569.00	89.03	90.66	6,984.10	-1,294.07	8,064.66	8,162.56	0.85	-0.84	0.09	
15,664.00	88.89	90.50	6,985.82	-1,295.03	8,159.64	8,256.94	0.22	-0.15	-0.17	
15,759.00	90.00	90.63	6,986.74	-1,295.96	8,254.63	8,351.33	1.18	1.17	0.14	
15,854.00	91.31	89.85	6,985.66	-1,296.36	8,349.62	8,445.65	1.60	1.38	-0.82	
15,949.00	90.57	89.38	6,984.10	-1,295.72	8,444.60	8,539.83	0.92	-0.78	-0.49	
16,044.00	90.23	89.13	6,983.44	-1,294.49	8,539.59	8,633.95	0.44	-0.36	-0.26	
16,139.00	89.80	89.41	6,983.41	-1,293.28	8,634.58	8,728.07	0.54	-0.45	0.29	
16,234.00	92.34	90.57	6,981.64	-1,293.26	8,729.56	8,822.32	2.94	2.67	1.22	
16,329.00	91.61	90.54	6,978.36	-1,294.18	8,824.50	8,916.66	0.77	-0.77	-0.03	
16,424.00	91.00	90.46	6,976.20	-1,295.01	8,919.47	9,011.01	0.65	-0.64	-0.08	
16,520.00	90.40	90.57	6,975.03	-1,295.87	9,015.46	9,106.38	0.64	-0.62	0.11	
16,615.00	89.93	90.80	6,974.75	-1,297.01	9,110.45	9,200.79	0.55	-0.49	0.24	
16,710.00	89.73	90.45	6,975.03	-1,298.04	9,205.44	9,295.19	0.42	-0.21	-0.37	
16,805.00	89.06	90.17	6,976.04	-1,298.56	9,300.44	9,389.52	0.76	-0.71	-0.29	
16,900.00	88.59	90.72	6,977.99	-1,299.30	9,395.41	9,483.87	0.76	-0.49	0.58	
16,995.00	90.47	90.23	6,978.76	-1,300.08	9,490.40	9,578.24	2.05	1.98	-0.52	
17,091.00	89.70	89.53	6,978.62	-1,299.88	9,586.40	9,673.48	1.08	-0.80	-0.73	
17,186.00	91.07	90.25	6,977.98	-1,299.70	9,681.40	9,767.74	1.63	1.44	0.76	
17,281.00	92.71	90.69	6,974.85	-1,300.48	9,776.34	9,862.05	1.79	1.73	0.46	
17,376.01	92.38	90.65	6,970.63	-1,301.59	9,871.24	9,956.37	0.35	-0.35	-0.04	
17,472.01	91.64	90.49	6,967.27	-1,302.54	9,967.17	10,051.70	0.79	-0.77	-0.17	
17,567.00	91.41	90.23	6,964.74	-1,303.14	10,062.13	10,146.00	0.37	-0.24	-0.27	
17,661.00	90.67	90.76	6,963.03	-1,303.95	10,156.11	10,239.37	0.97	-0.79	0.56	
17,757.00	90.13	90.02	6,962.36	-1,304.60	10,252.10	10,334.72	0.95	-0.56	-0.77	
17,852.00	89.60	90.01	6,962.58	-1,304.63	10,347.10	10,429.00	0.56	-0.56	-0.01	
17,947.00	89.23	89.45	6,963.55	-1,304.18	10,442.10	10,523.22	0.71	-0.39	-0.59	
18,043.00	90.23	92.07	6,964.01	-1,305.46	10,538.08	10,618.63	2.92	1.04	2.73	
18,138.00	89.56	91.33	6,964.18	-1,308.27	10,633.03	10,713.21	1.05	-0.71	-0.78	
18,233.00	89.40	91.60	6,965.04	-1,310.70	10,728.00	10,807.76	0.33	-0.17	0.28	
18,328.00	88.90	91.26	6,966.45	-1,313.07	10,822.96	10,902.29	0.64	-0.53	-0.36	
18,424.00	89.60	91.79	6,967.71	-1,315.63	10,918.92	10,997.83	0.91	0.73	0.55	
18,519.00	89.26	91.83	6,968.65	-1,318.63	11,013.86	11,092.43	0.36	-0.36	0.04	



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18,614.00	88.46	91.82	6,970.54	-1,321.65	11,108.80	11,187.01	0.84	-0.84	-0.01	
18,709.00	89.40	91.63	6,972.32	-1,324.51	11,203.74	11,281.58	1.01	0.99	-0.20	
18,804.00	89.00	92.33	6,973.65	-1,327.79	11,298.67	11,376.20	0.85	-0.42	0.74	
18,895.00	88.76	92.49	6,975.42	-1,331.62	11,389.57	11,466.88	0.32	-0.26	0.18	
18,984.00	89.87	91.45	6,976.49	-1,334.68	11,478.51	11,555.52	1.71	1.25	-1.17	
19,073.00	89.73	91.78	6,976.80	-1,337.19	11,567.47	11,644.12	0.40	-0.16	0.37	
19,162.00	90.64	91.18	6,976.51	-1,339.49	11,656.44	11,732.70	1.22	1.02	-0.67	
19,254.00	90.27	92.24	6,975.78	-1,342.23	11,748.40	11,824.29	1.22	-0.40	1.15	
19,341.00	89.83	93.87	6,975.70	-1,346.87	11,835.27	11,911.08	1.94	-0.51	1.87	
19,398.00	89.83	93.87	6,975.87	-1,350.71	11,892.14	11,967.99	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
396.00	395.99	-2.38	1.54	First Surface MWD Survey	
5,768.00	5,635.99	-899.78	-613.90	Last Surface MWD Survey	
5,794.05	5,661.41	-904.58	-616.99	First Intermediate Gyro Survey	
6,292.33	6,149.85	-992.50	-658.68	Last Intermediate Gyro Survey	
6,450.00	6,306.12	-1,012.50	-664.88	First Curve MWD Survey	
7,680.00	6,991.59	-1,113.87	179.41	Last Curve MWD Survey	
7,683.00	6,991.57	-1,113.97	182.41	POE @ 7683' MD	
7,683.00	6,991.57	-1,113.97	182.41	36.8664980 / -107.4038585	
7,774.00	6,990.82	-1,116.91	273.36	First Lateral MWD Survey	
19,218.00	6,976.00	-1,340.95	11,712.42	First Perf @ 19,218' MD	
19,218.00	6,976.00	-1,340.95	11,712.42	36.8658678 / -107.3644432	
19,341.00	6,975.70	-1,346.87	11,835.27	Last Lateral MWD Survey	
19,398.00	6,975.87	-1,350.71	11,892.14	Projection to TD	

Office
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 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-039-31418
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator LOGOS OPERATING, LLC		6. State Oil & Gas Lease No. NMSF078764
3. Address of Operator 2010 AFTON PLACE FARMINGTON, NM 87401		7. Lease Name or Unit Agreement Name ROSA UNIT
4. Well Location Unit Letter <u>K</u> : <u>2260</u> feet from the <u>SOUTH</u> line and <u>966</u> feet from the <u>WEST</u> line Section <u>30</u> Township <u>31N</u> Range <u>05W</u> NMPM County <u>RIO ARRIBA</u>		8. Well Number <u>664H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6394'		9. OGRID Number <u>289408</u>
		10. Pool name or Wildcat BASIN MANCOS

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: Completion ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

7/17/2022 - Run CBL, TOC @ 2300'.

8/4 - 7/2022 - RU frac stack. Pressure test 5-1/2" prod csg to 1575psi/30mins. Test good.

8/8-12/2022 - Open and frac thru toe sleeves @ 19,166' - 19,170' & 19,214' - 19,218'. Frac. Perf @ 19,075' to 16,749' w/6SPF, 0.38" dia. RD WL

8/13-15/2022 - Wait on frac and wireline operations.

8/16-27/2022 - MIRU. Perf w/6SPF 0.38" DIA @ 16,718' to 7,683' w/a total of 2784 shots. Frac'd 59 stages w/26,482klbs 100 mesh & 40/70 sand,

715,507bbl slickwater. Set kill plug @ 7,653'. PT to 5000psi. Test good. SIW.

9/14-16/2022 - RD frac. MIRU CTU. NU BOP. Good test. RIH w/2-3/8" CT and drillout BHA. DO kill plug @ 7,653'. Circulate, CO & continue to DO CFP plugs.

9/17/2022 - Cont to circulate. POOH. Lay down BHA. RD CTU.

Per the approved operations plan, the 2-7/8", 6.5#, J-55, EUE tubing will be run once volumes and pressures decline and could be close to a year after the well is brought online.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Etta Trujillo TITLE REGULATORY SPECIALIST DATE 10/10/2022

Type or print name ETTA TRUJILLO E-mail address: etrujillo@logosresourcesllc.com PHONE: (505) 324-4154

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name ROSA UNIT		
								6. Well Number: 664H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator LOGOS OPERATING, LLC						9. OGRID 289408				
10. Address of Operator 2010 Afton Place, Farmington, NM 87401						11. Pool name or Wildcat Basin Mancos				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	K	30	31N	05W	3	2260'	South	966'	West	Rio Arriba
BH:	O	28	31N	05W		904'	South	1516'	East	Rio Arriba
13. Date Spudded 4/4/2022	14. Date T.D. Reached 6/21/2022		15. Date Rig Released 6/25/2022			16. Date Completed (Ready to Produce) 9/20/2022		17. Elevations (DF and RKB, RT, GR, etc.) 6394'		
18. Total Measured Depth of Well 19,396' MD / 6,975' TVD			19. Plug Back Measured Depth 19,285' MD / 6,975' TVD			20. Was Directional Survey Made? Y		21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name Basin Mancos 6991' - 6975' VD										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8"		54.5#		324'		17-1/2"		364sks		Circ 23bbls to surf
9-5/8"		43.5#		6404'		12-1/4"		2618 sks		50bbls (DV@4758', 3191')
5-1/2"		20.0#		19,377'		8-1/2"		2702sks		TOC @ 2300' per CBL
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD					
					SIZE	DEPTH SET	PACKER SET			
					Pending					
26. Perforation record (interval, size, and number) 7,683' MD to 19,218' MD, 0.38" , 6SPF, 2784 total holes					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					7,683' MD - 19,218' MD		Frac'd 59 stages of 26,482 klbs sand/100# Mesh & 40/70 sand			
							715,507bbls of slickwater.			
28. PRODUCTION										
Date First Production 9/20/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 9/20/2022	Hours Tested 12hrs	Choke Size 18/64	Prod'n For Test Period	Oil - Bbl 0	Gas - MCF 260	Water - Bbl. 330	Gas - Oil Ratio n/a			
Flow Tubing Press. n/a	Casing Pressure 1808	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 2086 mcf/d	Water - Bbl. 720 bwpd	Oil Gravity - API - (Corr.) n/a				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) sold								30. Test Witnessed By		
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:		
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature <i>Etta Trujillo</i>			Printed Name Etta Trujillo			Title Regulatory Specialist			Date 10/10/22	
E-mail Address etrujillo@logosresourcesllc.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo 2549'	T. Penn A"
T. Salt	T. Strawn	T. Kirtland 2768'	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland 3127'	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs 3492'	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House 5549'	T. Leadville
T. Queen	T. Silurian	T. Menefee 5591'	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout 5770'	T. Elbert
T. San Andres	T. Simpson	T. Mancos 6296'	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

From: blm-afmss-notifications@blm.gov
To: [Etta Trujillo](#)
Subject: Well Name: ROSA UNIT, Well Number: 664H, Notification of Well Completion Acceptance
Date: Wednesday, October 26, 2022 1:10:18 PM

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **LOGOS OPERATING LLC**
- Well Name: **ROSA UNIT**
- Well Number: **664H**
- US Well Number: **3003931418**
- Well Completion Report Id: **WCR2022102686199**

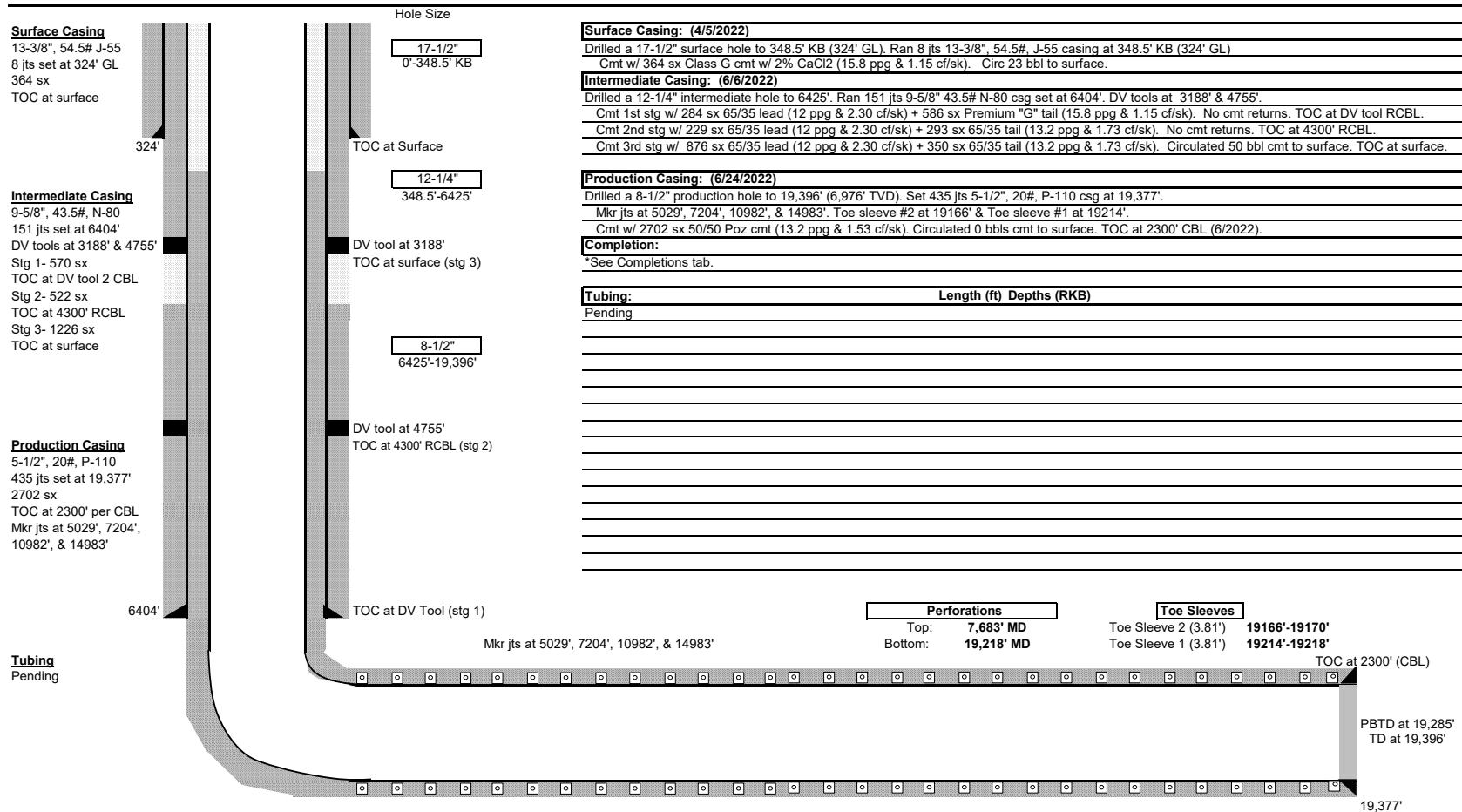
This notification is automatically generated. Please do not reply to this message as this account is not monitored.



Well Name: Rosa Unit 664H
 Location: K - Sec 30, T31N, R05W, 2260' FSL, 966' FWL
 County: Rio Arriba
 API #: 30-039-31418
 Co-ordinates: 36.8695578, -107.4044821 NAD83
 Operator: LOGOS Operating, LLC

Wellbore Schematic
 Ground Elevation: 6394'
 KB Elevation: 6418.5'
 TD (TVD): 6976'
 TD (MD): 19,396'
 PBTD: 19,285'

Prepared By: 7/21/2022 Gomez
 Reviewed By: 8/1/2022 Moss
 Last Updated: 9/12/2022 Moss
 Spud Date: 4/4/2022
 Completion Date:
 Last Workover Date:



Formation Tops: (MD)			
Nacimiento	Surface	Chacra	4697'
Ojo Alamo	2549'	Cliff House	5549'
Kirtland	2678'	Menefee	5591'
Fruitland	3127'	Point Lookout	5770'
Pictured Cliffs	3492'	Mancos	6296'
Lewis	3588'		

District I
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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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

ACKNOWLEDGMENTS

Action 155523

ACKNOWLEDGMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 155523
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 155523

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 155523
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days to NMOCD after BLM approval.	2/13/2023