

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 30-039-31358	⁵ Pool Name Basin Mancos		⁶ Pool Code 97232
⁷ Property Code 320608	⁸ Property Name Rosa Unit		⁹ Well Number 665H

II. ¹⁰ Surface Location

UL or lot no. K	Section 30	Township 31N	Range 5W	Lot Idn 3	Feet from the 2277	North/South Line FSL	Feet from the 967	East/West line FWL	County Rio Arriba
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¹¹ Bottom Hole Location

UL or lot no. M	Section 26	Township 31N	Range 6W	Lot Idn	Feet from the 1155	North/South line FSL	Feet from the 150	East/West line FWL	County 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

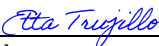
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
373888	Harvest Four Corners, LLC 1755 Arroyo Dr. Bloomfield NM 87413	G

IV. Well Completion Data

²¹ Spud Date 8/23/2021	²² Ready Date 9/20/2022	²³ TD 17,930' MD / 6,927' TVD	²⁴ PBDT 17,815' MD / 6927' TVD	²⁵ Perforations 7510' MD / 17,744' MD 6968' TVD / 6927' TVD	²⁶ DHC, MC R-13457
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
17-1/2"		13-3/8", 54.5#, J-55		324'	
12-1/4"		9-5/8", 43.5#, N-80		6415'	
8-1/2"		5 1/2", 20#, P-110		17,907'	
		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 1422
³⁷ Choke Size 16/64	³⁸ Oil N/A	³⁹ Water 180bbbs	⁴⁰ Gas 106mcf		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: 		OIL CONSERVATION DIVISION	
Printed name: Etta Trujillo		Approved by: PATRICIA MARTINEZ	
Title: Regulatory Specialist		Title: PETROLEUM SPECIALIST	
E-mail Address: etrujillo@logosresourcesllc.com		Approval Date: 2/13/2023	
Date: 10/10/2022	Phone: 505-324-4154		



Request for Confidential "Tight Hole" Status

LOGOS Operating, LLC
Rosa Unit # 665H
API# 30-039-31358
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 10/31/2022 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

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

☒ AMENDED REPORT
As-Drilled

Etta Trujillo 10/26/2022
Signature Date

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: OCTOBER 26, 2022
Survey Date: SEPTEMBER 3, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31358		² Pool Code 97232	³ Pool Name BASIN MANCOS	
⁴ Property Code 320608	⁵ Property Name ROSA UNIT			⁶ Well Number 665H
⁷ OGRID No. 289408	⁸ Operator Name LOGOS OPERATING, LLC			⁹ Elevation 6394 '

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	2277	SOUTH	967	WEST	RIO ARriba

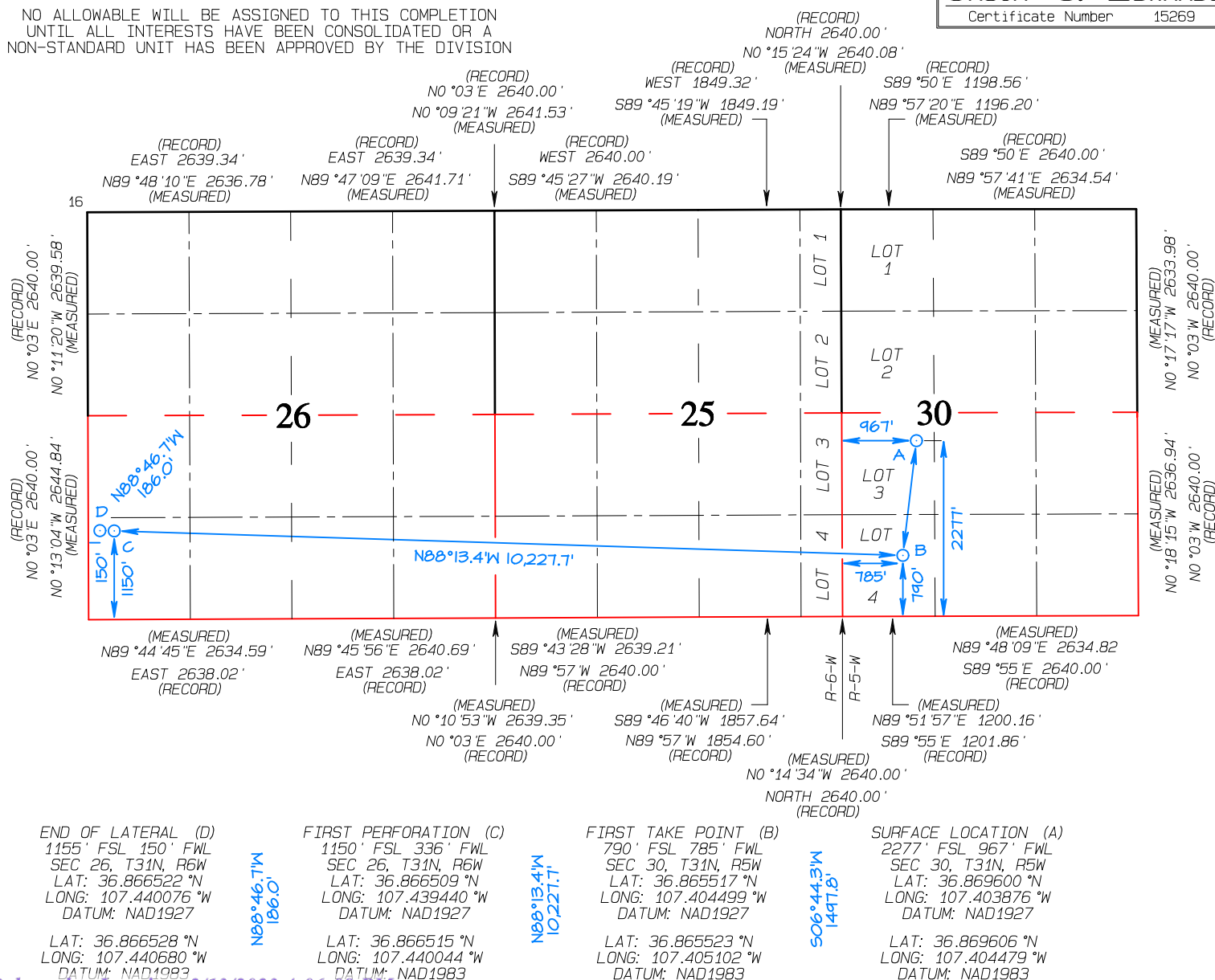
¹¹ Bottom Hole Location If Different From Surface

U.L. or Lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	26	31N	6W		1155	SOUTH	150	WEST	RIO ARriba

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
825.11 REFER TO DESCRIPTION BELOW			R-13457

T31N R5W, Section 30 : Lot 3 & 4, SE/4
T31N R6W, Section 25 : Lot 3 & 4, W/2 SE/4, SW/4
T31N R6W, Section 26 : S/2

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





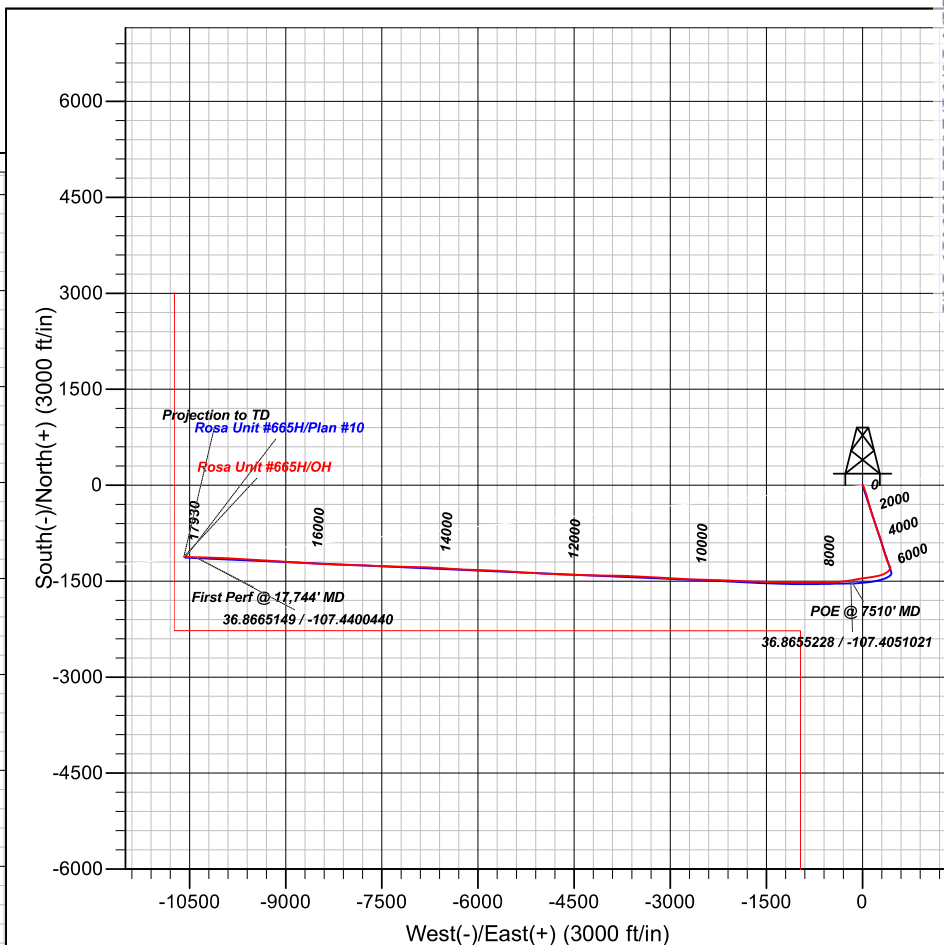
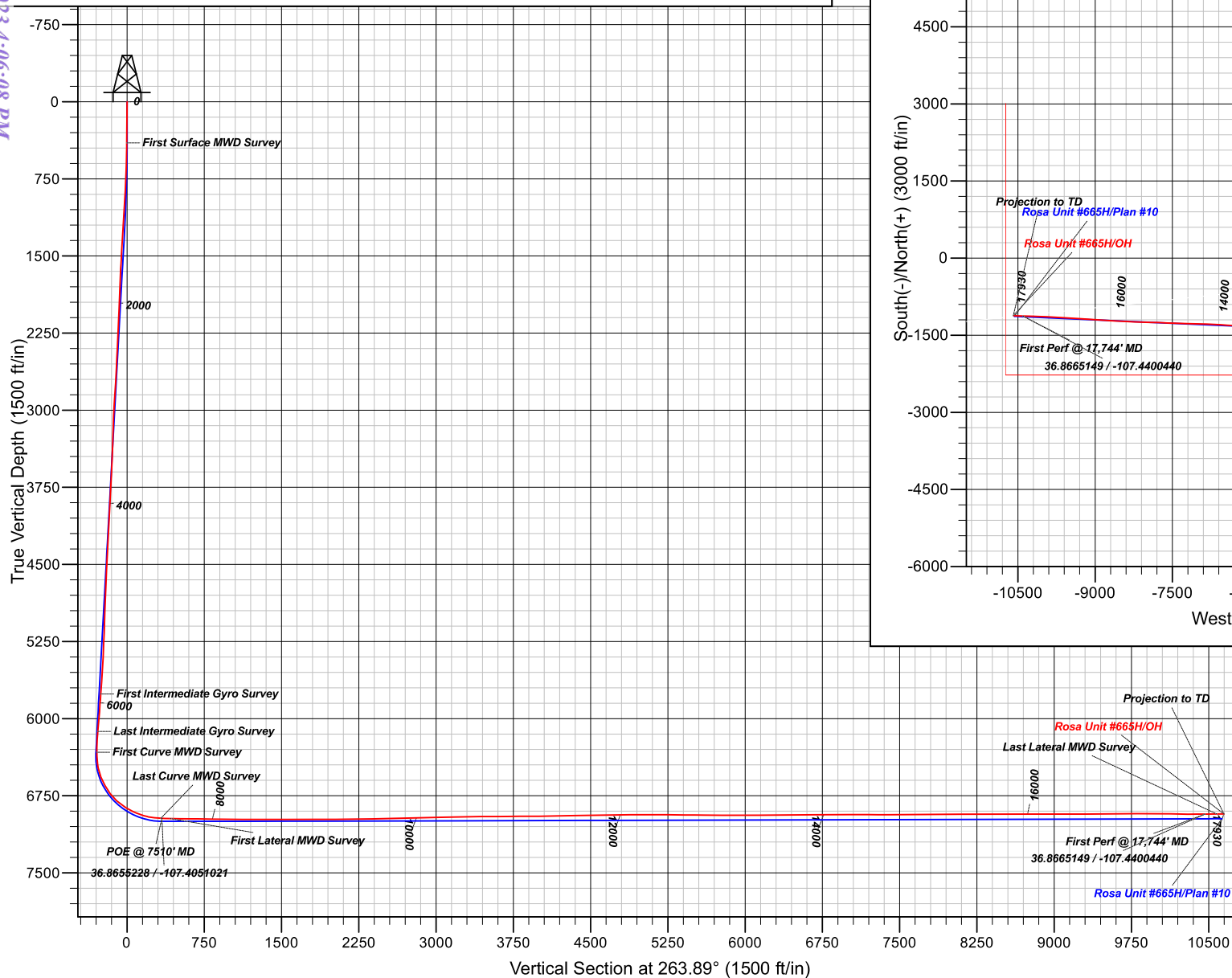
Company Name: Logos Operating LLC
 Project: Rio Arriba, NM NAD83
 Site: Rosa Unit 30
 Well: Rosa Unit #665H
 Wellbore: OH



WELL DETAILS: Rosa Unit #665H

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

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	2136142.63	2848534.45	36.8696059	-107.4044791	A4 (665H)



Projection to TD
 Rosa Unit #665H/OH
 Last Lateral MWD Survey
 First Perf @ 17,744' MD
 36.8665149 / -107.4400440
 Rosa Unit #665H/Plan #10

Design: OH (Rosa Unit #665H/OH)

Created By: Janie Collins Date: 13:04, 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 #665H - Slot A4 (665H)

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 #665H - Slot A4 (665H)
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 #665H	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 #665H - Slot A4 (665H)					
Well Position	+N/-S	0.00 ft	Northing:	2,136,142.63 usft	Latitude:	36.8696058
	+E/-W	0.00 ft	Easting:	2,848,534.45 usft	Longitude:	-107.4044791
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	7/7/2022	8.58	63.32	49,565.60000000

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		263.89

Survey Program	Date	7/21/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
401.00	5,809.00	Survey #1 - Surface MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	
5,909.00	6,284.00	Survey #2 - Gyro Survey (OH)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
6,490.00	7,499.00	Survey #3 - Curve MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	
7,593.00	17,930.00	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	
401.00	0.53	87.39	401.00	0.08	1.85	-1.85	0.13	0.13	0.00	
496.00	1.88	98.64	495.97	-0.13	3.83	-3.80	1.44	1.42	11.84	
591.00	3.29	138.63	590.88	-2.41	7.18	-6.88	2.33	1.48	42.09	
685.00	5.38	157.60	684.61	-8.51	10.64	-9.67	2.67	2.22	20.18	



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 #665H	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)
779.00	8.19	159.69	777.94	-18.86	14.64	-12.55	3.00	2.99	2.22
875.00	10.96	160.08	872.60	-33.86	20.13	-16.41	2.89	2.89	0.41
970.00	13.96	160.96	965.35	-53.19	26.94	-21.13	3.16	3.16	0.93
1,065.00	15.10	158.56	1,057.31	-75.54	35.20	-26.96	1.36	1.20	-2.53
1,160.00	16.15	158.19	1,148.80	-99.32	44.64	-33.81	1.11	1.11	-0.39
1,256.00	15.84	162.31	1,241.09	-124.20	53.58	-40.05	1.23	-0.32	4.29
1,351.00	16.04	162.51	1,332.43	-149.07	61.46	-45.25	0.22	0.21	0.21
1,446.00	15.23	163.93	1,423.92	-173.58	68.86	-49.99	0.94	-0.85	1.49
1,509.00	15.43	162.80	1,484.68	-189.54	73.63	-53.04	0.57	0.32	-1.79
1,603.00	16.58	161.66	1,575.03	-214.22	81.55	-58.28	1.27	1.22	-1.21
1,697.00	14.99	165.35	1,665.49	-238.71	88.84	-62.93	2.00	-1.69	3.93
1,792.00	15.37	166.30	1,757.17	-262.83	94.93	-66.42	0.48	0.40	1.00
1,888.00	14.50	166.75	1,849.93	-286.89	100.70	-69.59	0.91	-0.91	0.47
1,983.00	13.74	164.38	1,942.06	-309.33	106.46	-72.93	1.01	-0.80	-2.49
2,078.00	14.11	163.73	2,034.27	-331.31	112.75	-76.84	0.42	0.39	-0.68
2,173.00	15.18	162.38	2,126.18	-354.28	119.76	-81.37	1.18	1.13	-1.42
2,269.00	14.24	164.43	2,219.03	-377.64	126.73	-85.81	1.12	-0.98	2.14
2,364.00	14.53	163.49	2,311.05	-400.32	133.25	-89.89	0.39	0.31	-0.99
2,459.00	14.20	163.79	2,403.08	-422.93	139.89	-94.08	0.36	-0.35	0.32
2,554.00	14.62	163.88	2,495.08	-445.64	146.47	-98.21	0.44	0.44	0.09
2,650.00	13.91	161.65	2,588.13	-468.23	153.47	-102.76	0.94	-0.74	-2.32
2,745.00	14.31	160.97	2,680.26	-490.17	160.89	-107.81	0.46	0.42	-0.72
2,840.00	14.24	161.84	2,772.33	-512.37	168.36	-112.87	0.24	-0.07	0.92
2,936.00	15.11	161.10	2,865.19	-535.43	176.10	-118.11	0.93	0.91	-0.77
3,031.00	15.02	158.56	2,956.93	-558.60	184.61	-124.10	0.70	-0.09	-2.67
3,126.00	12.50	162.13	3,049.20	-579.84	192.26	-129.45	2.80	-2.65	3.76
3,222.00	10.31	165.21	3,143.30	-598.04	197.64	-132.87	2.37	-2.28	3.21
3,317.00	9.56	163.62	3,236.87	-613.83	202.04	-135.56	0.84	-0.79	-1.67
3,412.00	10.56	163.01	3,330.41	-629.72	206.81	-138.61	1.06	1.05	-0.64
3,507.00	11.38	161.58	3,423.67	-646.94	212.31	-142.25	0.91	0.86	-1.51
3,603.00	12.07	160.88	3,517.67	-665.41	218.59	-146.53	0.73	0.72	-0.73
3,698.00	12.49	159.55	3,610.50	-684.42	225.44	-151.31	0.53	0.44	-1.40
3,793.00	11.86	160.33	3,703.36	-703.24	232.31	-156.14	0.69	-0.66	0.82
3,889.00	11.03	158.15	3,797.45	-721.05	239.05	-160.94	0.97	-0.86	-2.27
3,984.00	10.01	161.01	3,890.85	-737.30	245.12	-165.25	1.21	-1.07	3.01
4,079.00	10.74	160.55	3,984.30	-753.45	250.75	-169.13	0.77	0.77	-0.48
4,174.00	12.63	162.21	4,077.33	-771.69	256.87	-173.28	2.02	1.99	1.75
4,269.00	13.02	162.04	4,169.96	-791.76	263.35	-177.58	0.41	0.41	-0.18
4,364.00	13.90	158.28	4,262.35	-812.54	270.87	-182.85	1.31	0.93	-3.96
4,459.00	15.17	160.36	4,354.31	-834.85	279.27	-188.83	1.45	1.34	2.19
4,554.00	15.82	163.17	4,445.86	-858.95	287.20	-194.14	1.05	0.68	2.96
4,650.00	14.65	164.44	4,538.48	-883.17	294.24	-198.57	1.27	-1.22	1.32



Lonestar Consulting, LLC

Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Rosa Unit #665H - Slot A4 (665H)
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Well:	Rosa Unit #665H	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	14.85	166.17	4,630.35	-906.56	300.38	-202.18	0.51	0.21	1.82	
4,840.00	14.64	165.76	4,722.22	-930.02	306.24	-205.51	0.25	-0.22	-0.43	
4,918.00	14.51	164.62	4,797.71	-949.00	311.26	-208.48	0.40	-0.17	-1.46	
5,013.00	13.59	163.25	4,889.87	-971.16	317.63	-212.46	1.03	-0.97	-1.44	
5,108.00	12.60	164.41	4,982.40	-991.83	323.63	-216.22	1.08	-1.04	1.22	
5,203.00	11.14	165.74	5,075.37	-1,010.71	328.68	-219.23	1.56	-1.54	1.40	
5,250.00	10.24	165.81	5,121.55	-1,019.16	330.82	-220.46	1.92	-1.91	0.15	
5,296.00	10.39	163.16	5,166.81	-1,027.09	333.02	-221.81	1.08	0.33	-5.76	
5,390.00	11.54	162.15	5,259.09	-1,044.15	338.36	-225.30	1.24	1.22	-1.07	
5,486.00	13.89	163.46	5,352.73	-1,064.34	344.59	-229.34	2.47	2.45	1.36	
5,581.00	15.27	161.61	5,444.67	-1,087.15	351.78	-234.07	1.53	1.45	-1.95	
5,677.00	16.74	162.84	5,536.95	-1,112.35	359.85	-239.41	1.57	1.53	1.28	
5,740.00	17.03	162.04	5,597.23	-1,129.80	365.37	-243.04	0.59	0.46	-1.27	
5,803.00	16.45	160.58	5,657.56	-1,146.99	371.18	-246.99	1.14	-0.92	-2.32	
5,809.00	16.43	160.58	5,663.31	-1,148.59	371.74	-247.38	0.27	-0.27	-0.03	
5,909.00	15.76	158.76	5,759.39	-1,174.59	381.37	-254.18	0.84	-0.67	-1.82	
6,009.00	14.38	156.81	5,855.95	-1,198.66	391.18	-261.37	1.47	-1.38	-1.95	
6,109.00	13.27	154.18	5,953.06	-1,220.41	401.07	-268.89	1.28	-1.11	-2.63	
6,209.00	12.16	152.64	6,050.60	-1,240.09	410.91	-276.58	1.16	-1.11	-1.54	
6,284.00	11.37	152.09	6,124.03	-1,253.64	418.00	-282.19	1.06	-1.05	-0.73	
6,490.00	8.67	160.94	6,326.88	-1,286.27	432.58	-293.21	1.51	-1.31	4.30	
6,553.00	11.69	189.46	6,388.91	-1,297.06	433.08	-292.56	9.18	4.79	45.27	
6,648.00	18.74	214.18	6,480.62	-1,319.23	422.90	-280.08	9.93	7.42	26.02	
6,743.00	26.47	226.95	6,568.31	-1,346.37	398.80	-253.23	9.60	8.14	13.44	
6,838.00	31.32	238.62	6,651.52	-1,373.71	362.20	-213.93	7.81	5.11	12.28	
6,933.00	37.77	249.63	6,729.81	-1,396.74	313.75	-163.30	9.43	6.79	11.59	
7,028.00	47.04	256.57	6,799.92	-1,415.00	252.50	-100.45	10.92	9.76	7.31	
7,123.00	58.69	260.39	6,857.18	-1,429.90	178.40	-25.19	12.67	12.26	4.02	
7,217.00	63.85	263.24	6,902.36	-1,441.58	96.84	57.15	6.10	5.49	3.03	
7,311.00	71.79	261.64	6,937.82	-1,453.05	10.63	144.09	8.59	8.45	-1.70	
7,405.00	81.03	259.29	6,959.88	-1,468.21	-79.36	235.18	10.12	9.83	-2.50	
7,499.00	88.22	260.41	6,968.68	-1,484.68	-171.42	328.48	7.74	7.65	1.19	
7,593.00	88.56	262.03	6,971.33	-1,499.03	-264.28	422.33	1.76	0.36	1.72	
7,688.00	88.39	263.71	6,973.85	-1,510.81	-358.51	517.28	1.78	-0.18	1.77	
7,782.00	90.37	266.50	6,974.87	-1,518.83	-452.15	611.24	3.64	2.11	2.97	
7,877.00	89.13	270.99	6,975.29	-1,520.91	-547.10	705.87	4.90	-1.31	4.73	
7,971.00	88.66	270.40	6,977.10	-1,519.77	-641.07	799.19	0.80	-0.50	-0.63	
8,065.00	89.96	270.67	6,978.23	-1,518.89	-735.06	892.55	1.41	1.38	0.29	
8,160.00	88.93	270.72	6,979.15	-1,517.74	-830.05	986.88	1.09	-1.08	0.05	
8,255.00	89.63	270.61	6,980.34	-1,516.64	-925.03	1,081.21	0.75	0.74	-0.12	
8,350.00	89.73	269.56	6,980.88	-1,516.50	-1,020.03	1,175.65	1.11	0.11	-1.11	
8,445.00	91.27	270.46	6,980.05	-1,516.48	-1,115.02	1,270.10	1.88	1.62	0.95	



Lonestar Consulting, LLC

Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Rosa Unit #665H - Slot A4 (665H)
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 #665H	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)	
8,540.00	90.13	271.05	6,978.89	-1,515.23	-1,210.01	1,364.41	1.35	-1.20	0.62	
8,635.00	89.46	270.84	6,979.23	-1,513.66	-1,304.99	1,458.69	0.74	-0.71	-0.22	
8,731.00	89.13	270.88	6,980.41	-1,512.22	-1,400.97	1,553.97	0.35	-0.34	0.04	
8,826.00	89.33	271.32	6,981.68	-1,510.40	-1,495.95	1,648.21	0.51	0.21	0.46	
8,921.00	90.84	271.56	6,981.54	-1,508.01	-1,590.91	1,742.39	1.61	1.59	0.25	
9,015.00	91.01	271.61	6,980.02	-1,505.41	-1,684.87	1,835.53	0.19	0.18	0.05	
9,109.00	90.54	271.37	6,978.75	-1,502.97	-1,778.83	1,928.69	0.56	-0.50	-0.26	
9,205.00	89.46	272.96	6,978.75	-1,499.34	-1,874.75	2,023.69	2.00	-1.13	1.66	
9,300.00	90.13	272.92	6,979.09	-1,494.47	-1,969.63	2,117.51	0.71	0.71	-0.04	
9,395.00	91.24	272.75	6,977.96	-1,489.77	-2,064.50	2,211.34	1.18	1.17	-0.18	
9,490.00	90.67	272.59	6,976.37	-1,485.35	-2,159.39	2,305.22	0.62	-0.60	-0.17	
9,586.00	91.68	271.50	6,974.41	-1,481.92	-2,255.30	2,400.22	1.55	1.05	-1.14	
9,681.00	90.97	270.86	6,972.21	-1,479.97	-2,350.25	2,494.43	1.01	-0.75	-0.67	
9,776.00	91.58	272.33	6,970.09	-1,477.32	-2,445.19	2,588.54	1.67	0.64	1.55	
9,872.00	91.44	271.87	6,967.57	-1,473.81	-2,541.09	2,683.53	0.50	-0.15	-0.48	
9,967.00	91.17	270.94	6,965.40	-1,471.48	-2,636.04	2,777.68	1.02	-0.28	-0.98	
10,062.00	90.94	273.65	6,963.65	-1,467.67	-2,730.94	2,871.64	2.86	-0.24	2.85	
10,157.00	90.34	272.98	6,962.59	-1,462.18	-2,825.77	2,965.35	0.95	-0.63	-0.71	
10,253.00	91.91	272.60	6,960.71	-1,457.51	-2,921.64	3,060.17	1.68	1.64	-0.40	
10,348.00	91.78	272.69	6,957.65	-1,453.13	-3,016.49	3,154.02	0.17	-0.14	0.09	
10,443.00	91.24	273.16	6,955.14	-1,448.28	-3,111.33	3,247.81	0.75	-0.57	0.49	
10,539.00	90.37	274.04	6,953.80	-1,442.25	-3,207.13	3,342.42	1.29	-0.91	0.92	
10,634.00	90.70	273.26	6,952.91	-1,436.21	-3,301.93	3,436.04	0.89	0.35	-0.82	
10,729.00	90.10	273.95	6,952.24	-1,430.23	-3,396.74	3,529.67	0.96	-0.63	0.73	
10,825.00	90.13	271.91	6,952.05	-1,425.33	-3,492.61	3,624.48	2.13	0.03	-2.13	
10,920.00	90.80	272.18	6,951.28	-1,421.94	-3,587.54	3,718.51	0.76	0.71	0.28	
11,015.00	90.50	271.83	6,950.20	-1,418.61	-3,682.48	3,812.55	0.49	-0.32	-0.37	
11,110.00	89.96	271.55	6,949.82	-1,415.81	-3,777.44	3,906.67	0.64	-0.57	-0.29	
11,206.00	91.24	271.46	6,948.82	-1,413.29	-3,873.40	4,001.82	1.34	1.33	-0.09	
11,301.00	91.01	271.37	6,946.95	-1,410.94	-3,968.35	4,095.98	0.26	-0.24	-0.09	
11,396.00	90.47	271.06	6,945.72	-1,408.93	-4,063.32	4,190.20	0.66	-0.57	-0.33	
11,491.00	91.45	271.11	6,944.13	-1,407.13	-4,158.29	4,284.44	1.03	1.03	0.05	
11,586.00	90.80	271.40	6,942.27	-1,405.05	-4,253.25	4,378.64	0.75	-0.68	0.31	
11,681.00	90.50	271.33	6,941.19	-1,402.79	-4,348.21	4,472.82	0.32	-0.32	-0.07	
11,776.00	90.70	270.03	6,940.20	-1,401.66	-4,443.20	4,567.15	1.38	0.21	-1.37	
11,872.00	91.48	270.32	6,938.37	-1,401.37	-4,539.18	4,662.55	0.87	0.81	0.30	
11,967.00	90.84	273.29	6,936.45	-1,398.38	-4,634.10	4,756.62	3.20	-0.67	3.13	
12,062.00	90.77	272.96	6,935.11	-1,393.20	-4,728.95	4,850.38	0.36	-0.07	-0.35	
12,157.00	90.34	272.18	6,934.19	-1,388.94	-4,823.85	4,944.28	0.94	-0.45	-0.82	
12,252.00	90.20	273.56	6,933.74	-1,384.18	-4,918.73	5,038.12	1.46	-0.15	1.45	
12,348.00	89.93	273.04	6,933.63	-1,378.66	-5,014.57	5,132.82	0.61	-0.28	-0.54	
12,443.00	89.16	273.10	6,934.39	-1,373.57	-5,109.43	5,226.60	0.81	-0.81	0.06	



Lonestar Consulting, LLC

Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Rosa Unit #665H - Slot A4 (665H)
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 #665H	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)	
12,538.00	88.86	273.06	6,936.03	-1,368.46	-5,204.28	5,320.37	0.32	-0.32	-0.04	
12,633.00	89.66	273.92	6,937.26	-1,362.68	-5,299.09	5,414.03	1.24	0.84	0.91	
12,728.00	89.26	274.36	6,938.15	-1,355.82	-5,393.84	5,507.51	0.63	-0.42	0.46	
12,824.00	89.60	274.42	6,939.11	-1,348.48	-5,489.55	5,601.90	0.36	0.35	0.06	
12,919.00	90.00	273.01	6,939.44	-1,342.32	-5,584.35	5,695.50	1.54	0.42	-1.48	
13,014.00	89.43	272.74	6,939.91	-1,337.56	-5,679.23	5,789.33	0.66	-0.60	-0.28	
13,109.00	89.50	272.41	6,940.80	-1,333.29	-5,774.13	5,883.24	0.36	0.07	-0.35	
13,204.00	90.60	272.29	6,940.72	-1,329.39	-5,869.05	5,977.20	1.16	1.16	-0.13	
13,299.00	90.00	271.91	6,940.22	-1,325.91	-5,963.98	6,071.23	0.75	-0.63	-0.40	
13,394.00	91.51	272.51	6,938.97	-1,322.25	-6,058.90	6,165.22	1.71	1.59	0.63	
13,489.00	90.74	271.87	6,937.10	-1,318.62	-6,153.81	6,259.20	1.05	-0.81	-0.67	
13,584.00	89.83	272.38	6,936.63	-1,315.10	-6,248.74	6,353.22	1.10	-0.96	0.54	
13,679.00	90.47	273.67	6,936.38	-1,310.08	-6,343.61	6,447.01	1.52	0.67	1.36	
13,774.00	90.10	273.62	6,935.91	-1,304.04	-6,438.41	6,540.64	0.39	-0.39	-0.05	
13,869.00	89.73	274.51	6,936.05	-1,297.31	-6,533.17	6,634.14	1.01	-0.39	0.94	
13,964.00	90.33	273.25	6,936.00	-1,290.88	-6,627.95	6,727.70	1.47	0.63	-1.33	
14,058.00	90.03	272.95	6,935.70	-1,285.80	-6,721.81	6,820.49	0.45	-0.32	-0.32	
14,154.00	91.17	271.78	6,934.70	-1,281.84	-6,817.72	6,915.43	1.70	1.19	-1.22	
14,249.00	90.44	271.75	6,933.36	-1,278.91	-6,912.67	7,009.53	0.77	-0.77	-0.03	
14,344.00	90.17	271.14	6,932.86	-1,276.52	-7,007.64	7,103.70	0.70	-0.28	-0.64	
14,439.00	89.66	271.30	6,933.00	-1,274.49	-7,102.62	7,197.92	0.56	-0.54	0.17	
14,533.00	89.03	270.94	6,934.07	-1,272.66	-7,196.59	7,291.17	0.77	-0.67	-0.38	
14,628.00	90.44	271.25	6,934.51	-1,270.84	-7,291.57	7,385.41	1.52	1.48	0.33	
14,724.00	89.63	271.20	6,934.45	-1,268.79	-7,387.55	7,480.63	0.85	-0.84	-0.05	
14,819.00	91.01	272.28	6,933.92	-1,265.90	-7,482.50	7,574.73	1.84	1.45	1.14	
14,914.00	90.20	272.93	6,932.92	-1,261.59	-7,577.39	7,668.63	1.09	-0.85	0.68	
15,009.00	89.73	272.64	6,932.98	-1,256.97	-7,672.28	7,762.49	0.58	-0.49	-0.31	
15,104.00	91.54	272.04	6,931.93	-1,253.09	-7,767.19	7,856.44	2.01	1.91	-0.63	
15,199.00	90.70	271.79	6,930.07	-1,249.92	-7,862.12	7,950.50	0.92	-0.88	-0.26	
15,293.00	90.27	272.18	6,929.27	-1,246.66	-7,956.06	8,043.56	0.62	-0.46	0.41	
15,388.00	89.97	271.49	6,929.07	-1,243.62	-8,051.01	8,137.64	0.79	-0.32	-0.73	
15,483.00	89.30	271.77	6,929.68	-1,240.92	-8,145.97	8,231.77	0.76	-0.71	0.29	
15,578.00	90.74	271.95	6,929.65	-1,237.83	-8,240.92	8,325.85	1.53	1.52	0.19	
15,673.00	89.90	271.93	6,929.12	-1,234.62	-8,335.86	8,419.92	0.88	-0.88	-0.02	
15,767.00	89.60	272.29	6,929.53	-1,231.16	-8,429.79	8,512.95	0.50	-0.32	0.38	
15,863.00	90.67	273.30	6,929.30	-1,226.48	-8,525.68	8,607.79	1.53	1.11	1.05	
15,957.00	90.07	273.53	6,928.69	-1,220.88	-8,619.51	8,700.49	0.68	-0.64	0.24	
16,053.00	89.50	272.66	6,929.05	-1,215.69	-8,715.37	8,795.25	1.08	-0.59	-0.91	
16,148.00	90.44	273.79	6,929.10	-1,210.35	-8,810.21	8,888.99	1.55	0.99	1.19	
16,243.00	90.10	273.88	6,928.65	-1,204.00	-8,905.00	8,982.56	0.37	-0.36	0.09	
16,338.00	89.73	274.23	6,928.80	-1,197.28	-8,999.76	9,076.07	0.54	-0.39	0.37	
16,433.00	90.64	274.37	6,928.49	-1,190.16	-9,094.49	9,169.51	0.97	0.96	0.15	



Lonestar Consulting, LLC Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Rosa Unit #665H - Slot A4 (665H)
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 #665H	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)	
16,528.00	90.23	274.40	6,927.77	-1,182.89	-9,189.21	9,262.91	0.43	-0.43	0.03	
16,623.00	90.20	273.72	6,927.41	-1,176.17	-9,283.97	9,356.42	0.72	-0.03	-0.72	
16,718.00	89.83	274.48	6,927.39	-1,169.37	-9,378.73	9,449.92	0.89	-0.39	0.80	
16,814.00	90.80	273.63	6,926.86	-1,162.59	-9,474.48	9,544.41	1.34	1.01	-0.89	
16,909.00	90.81	272.15	6,925.52	-1,157.80	-9,569.35	9,638.22	1.56	0.01	-1.56	
17,004.00	90.47	272.70	6,924.46	-1,153.78	-9,664.26	9,732.17	0.68	-0.36	0.58	
17,099.00	90.17	272.35	6,923.93	-1,149.59	-9,759.16	9,826.09	0.49	-0.32	-0.37	
17,194.00	89.80	272.38	6,923.96	-1,145.67	-9,854.08	9,920.05	0.39	-0.39	0.03	
17,290.00	89.20	271.78	6,924.79	-1,142.19	-9,950.02	10,015.07	0.88	-0.63	-0.63	
17,385.00	89.16	272.52	6,926.15	-1,138.62	-10,044.94	10,109.07	0.78	-0.04	0.78	
17,480.00	88.42	271.98	6,928.16	-1,134.90	-10,139.84	10,203.04	0.96	-0.78	-0.57	
17,575.00	89.77	273.26	6,929.66	-1,130.55	-10,234.73	10,296.92	1.96	1.42	1.35	
17,670.00	90.97	272.28	6,929.05	-1,125.96	-10,329.61	10,390.78	1.63	1.26	-1.03	
17,765.00	90.47	271.57	6,927.85	-1,122.77	-10,424.55	10,484.84	0.91	-0.53	-0.75	
17,860.00	90.10	271.41	6,927.38	-1,120.30	-10,519.52	10,579.00	0.42	-0.39	-0.17	
17,930.00	90.10	271.41	6,927.26	-1,118.58	-10,589.50	10,648.40	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
401.00	400.99	0.08	1.85	First Surface MWD Survey	
5,909.00	5,759.39	-1,174.59	381.37	First Intermediate Gyro Survey	
6,284.00	6,124.02	-1,253.64	418.00	Last Intermediate Gyro Survey	
6,490.00	6,326.88	-1,286.27	432.58	First Curve MWD Survey	
7,499.00	6,968.68	-1,484.68	-171.42	Last Curve MWD Survey	
7,510.00	6,969.02	-1,486.50	-182.27	36.8655228 / -107.4051021	
7,510.00	6,969.02	-1,486.50	-182.27	POE @ 7510' MD	
7,593.00	6,971.33	-1,499.03	-264.28	First Lateral MWD Survey	
17,744.00	6,928.05	-1,123.38	-10,403.56	First Perf @ 17,744' MD	
17,744.00	6,928.05	-1,123.38	-10,403.56	36.8665149 / -107.4400440	
17,860.00	6,927.38	-1,120.30	-10,519.52	Last Lateral MWD Survey	
17,930.00	6,927.26	-1,118.58	-10,589.50	Projection to TD	

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 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. 30-039-31358
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>2277</u> feet from the <u>SOUTH</u> line and <u>967</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>665H</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 ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
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.

8/4 - 7/2022 - RU frac stack. Pressure test 5-1/2" prod csg to 1575psi/30mins. Test good. Run CBL f/3900' t/6400' (Est TOC @ 4530').
 8/8 - 12/2022 - Waiting on frac & wireline operations
 8/13 - 15/2022 - NU frac. PT. Open and frac thru toe sleeves @ 17,693' - 17,696' & 17,740' - 17,744'. Perf @ 17,489' to 16,675' w/6SPF, 0.38" dia.
 8/16 - 27/2022 - Well swap. Wait on frac & wireline operations.
 8/27 - 9/6/2022 - MIRU. Perf w/6SPF 0.38" DIA @ 16,644' to 7,510' w/a total of 2400 shots. Frac'd 51 stages w/23,117klbs 100 mesh & 40/70 sand, 616,970bbl slickwater. Set kill plug @ 7,480'. PT to 5000psi. SIW.
 9/17-19/2022 - RD frac. MIRU CTU. NU BOP. Good test. RIH w/2-3/8" CT and drillout BHA. DO kill plug @ 7,480'. Circulate, CO & continue to DO CFP plugs. 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		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____								6. Well Number: 665H		
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		2277	South	967'	West	Rio Arriba
BH:	M	26	31N	06W		1155'	South	150'	West	Rio Arriba
13. Date Spudded 8/23/2021	14. Date T.D. Reached 7/14/2022		15. Date Rig Released 7/16/2022			16. Date Completed (Ready to Produce) 9/20/2022		17. Elevations (DF and RKB, RT, GR, etc.) 6394'		
18. Total Measured Depth of Well 17,930' MD / 6,927' TVD			19. Plug Back Measured Depth 17,815' MD / 6,927' 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: 6968' - 6927' (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"		350sks		Circ 40bbls to surf
9-5/8"		43.5#		6415'		12-1/4"		2174 sks		TOC @ surf. Circ 150bbls (DV@4779', 3235')
5-1/2"		20.0#		17,907'		8-1/2"		2430sks		TOC @ 4530'
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						Pending				
26. Perforation record (interval, size, and number) 17,744' MD to 7,510' MD, 0.38" , 6SPF, 2430 total holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						17,744' MD - 7,510' MD		Frac'd 51 stages of 23,117 klbs sand/100# Mesh & 40/70 sand		
								616,970bbls 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 106	Water - Bbl. 180	Gas - Oil Ratio n/a			
Flow Tubing Press. n/a	Casing Pressure 1422	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 1769	Water - Bbl. 864 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 2577'	T. Penn A"
T. Salt	T. Strawn	T. Kirtland 2692	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland 3159'	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs 3512'	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House 5569'	T. Leadville
T. Queen	T. Silurian	T. Menefee 5613'	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout 5791'	T. Elbert
T. San Andres	T. Simpson	T. Mancos 6340'	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: [AFMSS](#)
To: [Marie Florez](#)
Cc: jkillins@blm.gov; wtambekou@blm.gov
Subject: Well Name: ROSA UT, Well Number: 665H, Notification of Sundry Accepted
Date: Thursday, May 13, 2021 1:03:15 PM

The Bureau of Land Management

Notice of Notice Of Intent Approval

- Operator Name: **LOGOS OPERATING LLC**
- Well Name: **ROSA UT**
- Well Number: **665H**
- US Well Number: **3003931358**
- Sundry ID: **1341658**

The BLM received your Notice Of Intent, Other on 02/16/2021. This is to notify you that we are Accepting your Notice Of Intent Other. Please login to your account in AFMSS II to see the final documents.

If this Notice Of Intent prompted the BLM to create another work task, it will generate in your worklist.

You may contact the field office if you have any questions.

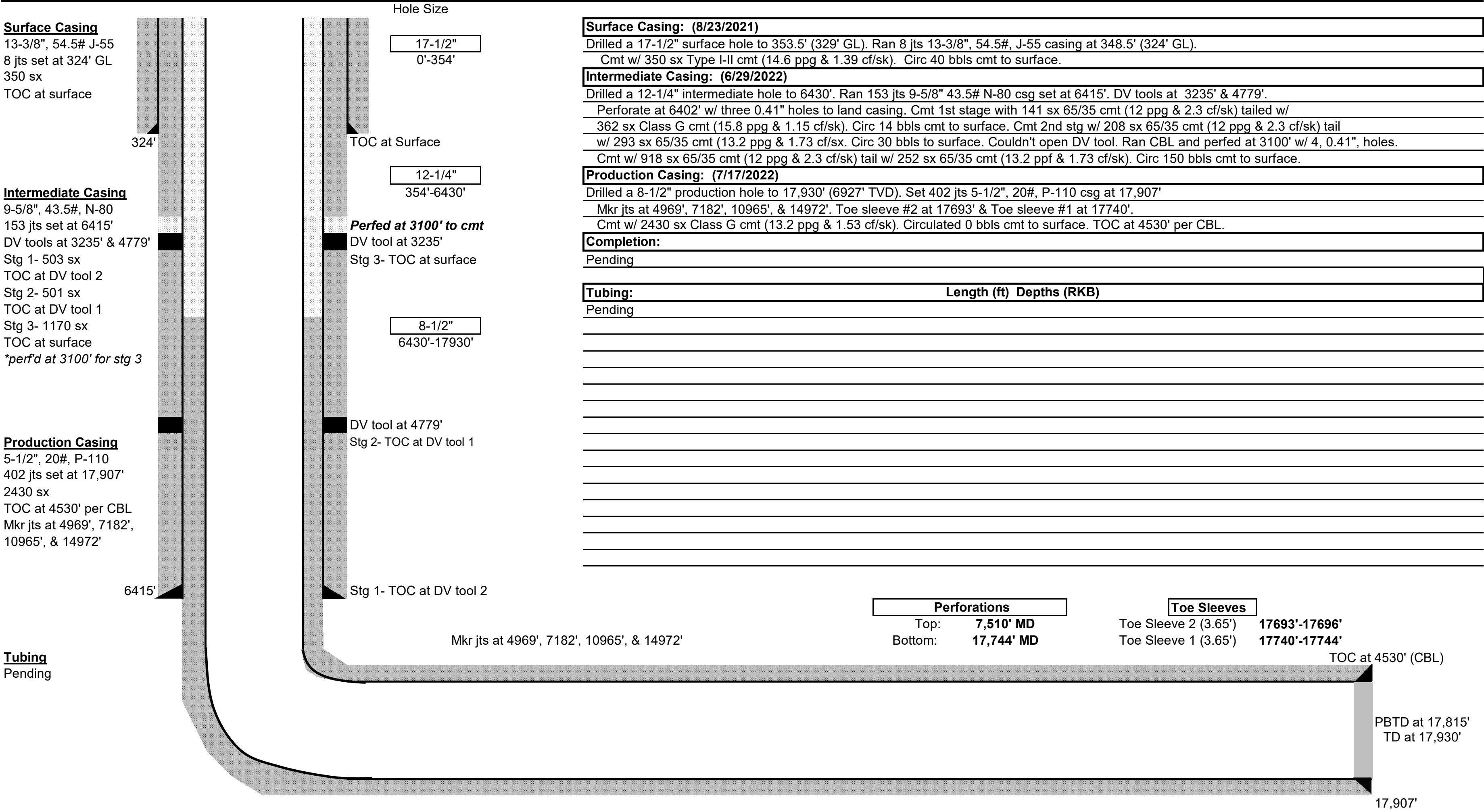
This notification is automatically generated. Please do not reply to this message as this account is not monitored.



Well Name: Rosa Unit 665H
Location: K - Sec 30, T31N, R05W, 2277' FSL, 967' FWL
County: Rio Arriba
API #: 30-039-31358
Co-ordinates: 36.8696059, -107.4044791 NAD83
Operator: LOGOS Operating, LLC

Wellbore Schematic
Ground Elevation: 6394'
KB Elevation: 6418.5'
TD (TVD): 6927'
TD (MD): 17930'
PBTD: 17815'

Prepared By: 7/28/2022 Gomez
Reviewed By: 8/1/2022 Moss
Last Updated: 9/12/2022 Moss
Spud Date: 8/23/2021
Completion Date:
Last Workover Date:



Formation Tops: (MD)			
Nacimiento	Surface	Chacra	4716'
Ojo Alamo	2577'	Cliff House	5569'
Kirtland	2692'	Menefee	5613'
Fruitland	3159'	Point Lookout	5791'
Pictured Cliffs	3512'	Mancos	6340'
Lewis	3604'		

Perforations		Toe Sleeves	
Top:	7,510' MD	Toe Sleeve 2 (3.65')	17693'-17696'
Bottom:	17,744' MD	Toe Sleeve 1 (3.65')	17740'-17744'
		TOC at 4530' (CBL)	
		PBTD at 17,815'	
		TD at 17,930'	
		17,907'	

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

ACKNOWLEDGMENTS

Action 155029

ACKNOWLEDGMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 155029
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 155029

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 155029
	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