

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

☒ AMENDED REPORT
AS DRILLED PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38180	² Pool Code 97232	³ Pool Name BASIN MANCOS
⁴ Property Code 330856	⁵ Property Name OMEGA 2308 03 COM	⁶ Well Number 5H
⁷ GRID No. 289408	⁸ Operator Name LOGOS OPERATING, LLC	⁹ Elevation 6908'

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
H	3	23N	8W		1960	NORTH	223	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	1	23N	8W		1865	NORTH	1085	WEST	SAN JUAN

¹² Dedicated Acres 403.72	W/2 NW/4 - Section 1 N/2 - Section 2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE
BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

17 OPERATOR CER Page 2 of 10

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

Signature Etta Trujillo Date 5/25/2021

Printed Name
Etta Trujillo

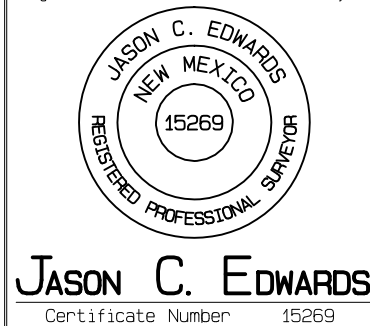
E-mail Address
etrujillo@logosresourcesllc.com

¹⁸ SURVEYOR CERTIFICATION

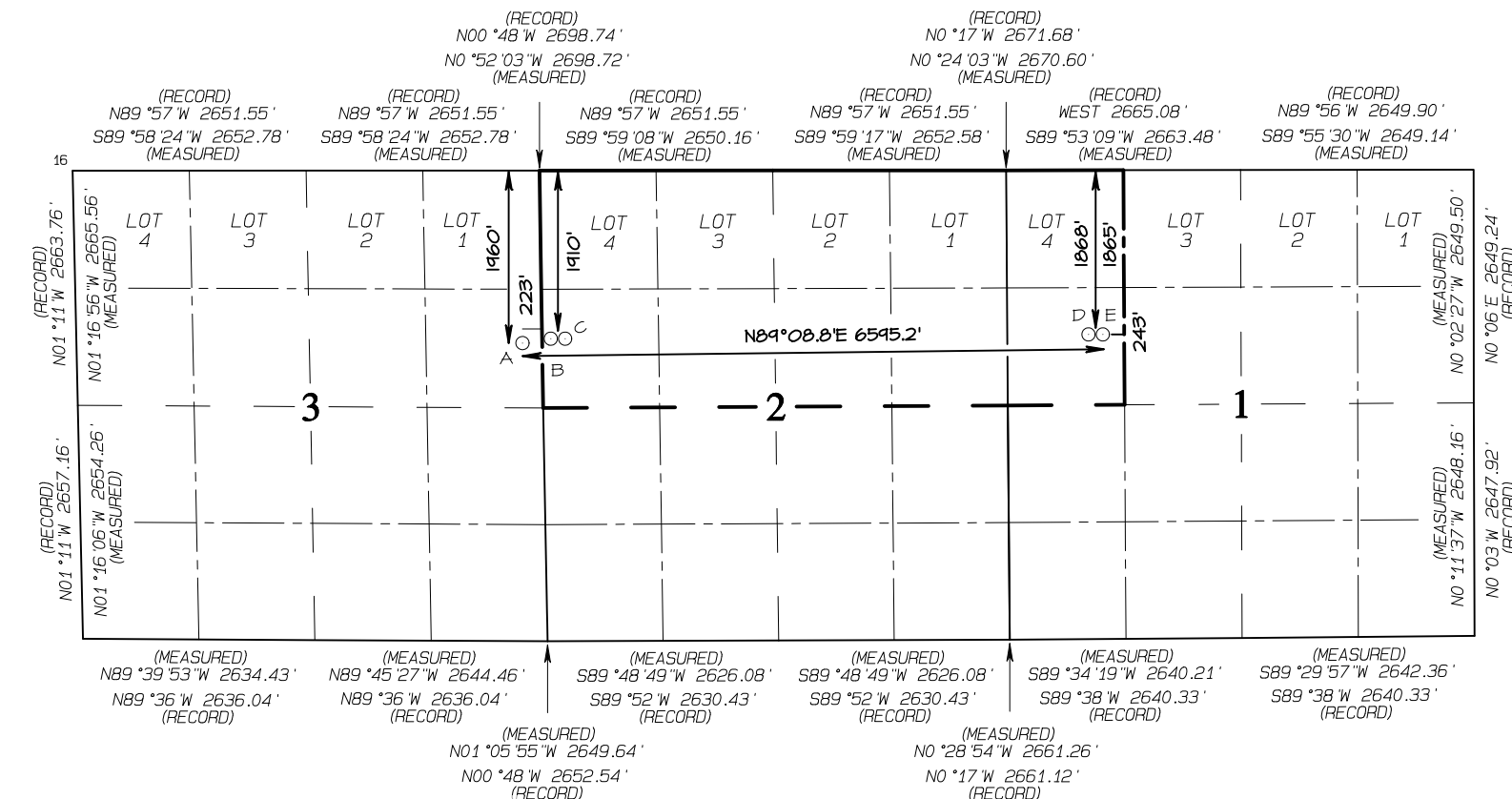
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: MAY 24, 2021
Date of Survey: MAY 4, 2019

Signature and Seal of Professional Surveyor



SURFACE LOCATION (A) 1960' FNL 223' FEL SECTION 3, T23N, R8W LAT: 36.258159°N LONG: 107.660303°W DATUM: NAD1927 LAT: 36.258172°N LONG: 107.660913°W DATUM: NAD1983	POINT-OF-ENTRY (B) 1910' FNL 52' FWL SECTION 2, T23N, R8W LAT: 36.258295°N LONG: 107.659370°W DATUM: NAD1927 LAT: 36.258308°N LONG: 107.659981°W DATUM: NAD1983	LAST PERFORATION (C) 1910' FNL 99' FWL SECTION 2, T23N, R8W LAT: 36.258297°N LONG: 107.659211°W DATUM: NAD1927 LAT: 36.258309°N LONG: 107.659821°W DATUM: NAD1983	FIRST PERFORATION (D) 1868' FNL 997' FWL SECTION 1, T23N, R8W LAT: 36.258386°N LONG: 107.638233°W DATUM: NAD1927 LAT: 36.258399°N LONG: 107.638843°W DATUM: NAD1983	END-OF-LATERAL (E) 1865' FNL 1085' FWL SECTION 1, T23N, R8W LAT: 36.258395°N LONG: 107.637935°W DATUM: NAD1927 LAT: 36.258407°N LONG: 107.638545°W DATUM: NAD1983
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Logos Opersting LLC

San Juan, NM NAD83
Chaco 2308-03 Pad
Omega 2308-03 5H
OH

Design: OH

Geo Survey

26 May, 2021





Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Omega 2308-03 5H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
Site:	Chaco 2308-03 Pad	MD Reference:	GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
Well:	Omega 2308-03 5H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM _16.0

Project	San Juan, 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	Chaco 2308-03 Pad			
Site Position:		Northing:	1,913,296.34 usft	Latitude: 36.2581110
From:	Lat/Long	Easting:	2,773,925.33 usft	Longitude: -107.6609110
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.10 °

Well	Omega 2308-03 5H			
Well Position	+N/-S	0.00 ft	Northing:	1,913,318.55 usft
	+E/-W	0.00 ft	Easting:	2,773,924.70 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level: 6,908.01 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/29/2019	8.73	62.82	49,433.30000000

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	89.36

Survey Program	Date	5/26/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
352.00	4,789.00	Survey #1 - Surface MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM
4,883.00	5,828.00	Survey #2 - Curve MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM
5,951.00	12,282.00	Survey #3 - Lateral MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)
0.00	0.00	0.00	0.00	1,913,318.55	2,773,924.70	36.2581720	-107.6609130
352.00	0.97	316.11	351.98	1,913,320.69	2,773,922.63	36.2581779	-107.6609200
446.00	1.19	311.86	445.97	1,913,321.91	2,773,921.35	36.2581813	-107.6609243
540.00	1.23	309.32	539.95	1,913,323.20	2,773,919.84	36.2581848	-107.6609295
634.00	2.72	249.37	633.89	1,913,323.05	2,773,916.97	36.2581844	-107.6609392
729.00	5.84	250.60	728.62	1,913,320.64	2,773,910.31	36.2581778	-107.6609618
822.00	7.21	245.33	821.01	1,913,316.61	2,773,900.55	36.2581668	-107.6609949
917.00	7.12	240.06	915.27	1,913,311.17	2,773,890.04	36.2581519	-107.6610306
1,011.00	8.61	248.85	1,008.39	1,913,305.70	2,773,878.44	36.2581369	-107.6610700
1,106.00	9.18	262.82	1,102.26	1,913,302.16	2,773,864.29	36.2581273	-107.6611180



Lonestar Consulting

Geo Survey



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Omega 2308-03 5H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
Site:	Chaco 2308-03 Pad	MD Reference:	GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
Well:	Omega 2308-03 5H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM_16.0

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)
1,200.00	9.67	275.83	1,195.00	1,913,302.00	2,773,849.00	36.2581269	-107.6611699
1,294.00	9.71	279.17	1,287.66	1,913,304.03	2,773,833.31	36.2581326	-107.6612231
1,388.00	7.34	281.45	1,380.61	1,913,306.47	2,773,819.60	36.2581393	-107.6612696
1,483.00	7.43	276.44	1,474.83	1,913,308.34	2,773,807.54	36.2581445	-107.6613105
1,577.00	6.28	269.24	1,568.16	1,913,308.93	2,773,796.36	36.2581462	-107.6613484
1,672.00	7.25	269.24	1,662.49	1,913,308.76	2,773,785.17	36.2581458	-107.6613863
1,766.00	7.56	263.17	1,755.71	1,913,307.93	2,773,773.10	36.2581436	-107.6614273
1,861.00	6.86	278.03	1,849.97	1,913,307.96	2,773,761.28	36.2581437	-107.6614674
1,955.00	6.77	274.16	1,943.30	1,913,309.12	2,773,750.19	36.2581470	-107.6615050
2,049.00	6.42	268.71	2,036.68	1,913,309.39	2,773,739.41	36.2581477	-107.6615415
2,143.00	6.72	276.80	2,130.07	1,913,309.90	2,773,728.69	36.2581492	-107.6615779
2,238.00	6.20	275.21	2,224.46	1,913,311.01	2,773,718.06	36.2581523	-107.6616139
2,333.00	7.56	276.53	2,318.78	1,913,312.16	2,773,706.74	36.2581555	-107.6616523
2,428.00	7.16	275.21	2,412.99	1,913,313.39	2,773,694.64	36.2581590	-107.6616934
2,522.00	6.55	272.84	2,506.32	1,913,314.17	2,773,683.45	36.2581611	-107.6617313
2,617.00	7.51	273.46	2,600.61	1,913,314.79	2,773,671.84	36.2581629	-107.6617707
2,711.00	7.29	274.59	2,693.82	1,913,315.62	2,773,659.76	36.2581652	-107.6618117
2,806.00	7.16	270.64	2,788.07	1,913,316.14	2,773,647.83	36.2581667	-107.6618521
2,900.00	7.99	276.09	2,881.25	1,913,316.88	2,773,635.47	36.2581688	-107.6618940
2,995.00	7.16	269.76	2,975.42	1,913,317.53	2,773,622.99	36.2581707	-107.6619364
3,089.00	6.15	282.25	3,068.79	1,913,318.56	2,773,612.20	36.2581736	-107.6619730
3,183.00	5.58	279.17	3,162.30	1,913,320.34	2,773,602.77	36.2581785	-107.6620049
3,278.00	7.69	288.22	3,256.66	1,913,323.04	2,773,592.17	36.2581860	-107.6620409
3,372.00	7.69	284.79	3,349.82	1,913,326.59	2,773,580.10	36.2581958	-107.6620818
3,467.00	6.77	285.32	3,444.06	1,913,329.67	2,773,568.55	36.2582043	-107.6621210
3,561.00	9.40	281.89	3,537.12	1,913,332.70	2,773,555.69	36.2582127	-107.6621646
3,655.00	8.96	277.76	3,629.91	1,913,335.24	2,773,540.92	36.2582197	-107.6622146
3,750.00	8.57	275.92	3,723.81	1,913,336.94	2,773,526.55	36.2582245	-107.6622634
3,844.00	9.98	282.25	3,816.58	1,913,339.37	2,773,511.61	36.2582312	-107.6623140
3,938.00	9.40	282.77	3,909.23	1,913,342.77	2,773,496.16	36.2582406	-107.6623664
4,033.00	8.61	277.76	4,003.06	1,913,345.41	2,773,481.55	36.2582480	-107.6624160
4,128.00	7.87	272.67	4,097.08	1,913,346.65	2,773,468.00	36.2582514	-107.6624619
4,222.00	9.32	266.25	4,190.03	1,913,346.43	2,773,453.98	36.2582509	-107.6625095
4,316.00	9.93	274.69	4,282.71	1,913,346.57	2,773,438.30	36.2582513	-107.6625626
4,411.00	9.36	274.25	4,376.37	1,913,347.78	2,773,422.43	36.2582548	-107.6626165
4,505.00	8.00	267.48	4,469.29	1,913,348.04	2,773,408.27	36.2582555	-107.6626645
4,600.00	4.92	265.99	4,563.68	1,913,347.44	2,773,397.60	36.2582539	-107.6627007
4,694.00	2.77	236.54	4,657.47	1,913,345.90	2,773,391.69	36.2582497	-107.6627208
4,789.00	2.15	95.48	4,752.43	1,913,344.46	2,773,391.55	36.2582458	-107.6627212
4,883.00	11.69	61.90	4,845.66	1,913,348.81	2,773,401.72	36.2582577	-107.6626867
4,977.00	20.26	85.19	4,936.03	1,913,354.72	2,773,426.40	36.2582738	-107.6626030
5,071.00	29.62	80.27	5,021.18	1,913,360.09	2,773,465.59	36.2582884	-107.6624700
5,166.00	35.07	87.04	5,101.43	1,913,365.56	2,773,516.03	36.2583031	-107.6622989
5,261.00	42.89	90.29	5,175.23	1,913,366.92	2,773,575.72	36.2583066	-107.6620964
5,355.00	49.31	89.41	5,240.38	1,913,367.24	2,773,643.41	36.2583071	-107.6618668



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Omega 2308-03 5H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
Site:	Chaco 2308-03 Pad	MD Reference:	GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
Well:	Omega 2308-03 5H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM _16.0

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)
5,449.00	59.11	86.60	5,295.29	1,913,370.14	2,773,719.50	36.2583147	-107.6616087
5,544.00	66.88	90.38	5,338.41	1,913,372.42	2,773,804.02	36.2583206	-107.6613220
5,639.00	70.22	91.44	5,373.15	1,913,371.17	2,773,892.42	36.2583167	-107.6610222
5,734.00	76.95	92.23	5,399.98	1,913,368.40	2,773,983.45	36.2583087	-107.6607134
5,828.00	87.76	89.77	5,412.47	1,913,366.97	2,774,076.46	36.2583043	-107.6603980
5,951.00	91.23	89.06	5,413.55	1,913,368.45	2,774,199.43	36.2583077	-107.6599809
6,045.00	88.02	90.20	5,414.17	1,913,369.22	2,774,293.41	36.2583094	-107.6596621
6,139.00	86.62	90.20	5,418.56	1,913,369.06	2,774,387.30	36.2583085	-107.6593436
6,233.00	86.44	89.94	5,424.25	1,913,369.11	2,774,481.13	36.2583082	-107.6590254
6,328.00	87.19	89.41	5,429.53	1,913,369.82	2,774,575.98	36.2583096	-107.6587036
6,422.00	88.51	90.12	5,433.05	1,913,370.37	2,774,669.91	36.2583107	-107.6583850
6,517.00	90.35	91.70	5,434.00	1,913,369.03	2,774,764.89	36.2583065	-107.6580629
6,611.00	90.70	90.73	5,433.14	1,913,367.21	2,774,858.86	36.2583011	-107.6577441
6,706.00	90.66	91.61	5,432.01	1,913,365.43	2,774,953.84	36.2582957	-107.6574220
6,800.00	88.59	91.17	5,432.63	1,913,363.32	2,775,047.81	36.2582895	-107.6571033
6,895.00	92.02	90.03	5,432.12	1,913,362.50	2,775,142.79	36.2582867	-107.6567811
6,988.00	90.40	88.01	5,430.16	1,913,364.25	2,775,235.74	36.2582911	-107.6564658
7,083.00	90.57	87.66	5,429.35	1,913,368.01	2,775,330.66	36.2583009	-107.6561438
7,178.00	89.78	88.53	5,429.06	1,913,371.34	2,775,425.60	36.2583096	-107.6558218
7,273.00	89.34	86.86	5,429.79	1,913,375.33	2,775,520.51	36.2583201	-107.6554999
7,368.00	90.48	89.50	5,429.94	1,913,378.51	2,775,615.45	36.2583283	-107.6551778
7,464.00	90.32	88.53	5,429.27	1,913,380.33	2,775,711.43	36.2583328	-107.6548523
7,559.00	89.69	87.39	5,429.26	1,913,383.88	2,775,806.36	36.2583421	-107.6545302
7,655.00	91.23	88.45	5,428.49	1,913,387.54	2,775,902.28	36.2583517	-107.6542049
7,751.00	90.70	88.18	5,426.87	1,913,390.53	2,775,998.22	36.2583594	-107.6538794
7,846.00	90.13	90.29	5,426.19	1,913,391.97	2,776,093.20	36.2583629	-107.6535573
7,941.00	90.04	89.85	5,426.05	1,913,392.02	2,776,188.20	36.2583625	-107.6532350
8,036.00	89.78	87.92	5,426.20	1,913,394.04	2,776,283.17	36.2583676	-107.6529129
8,130.00	88.81	90.29	5,427.35	1,913,395.68	2,776,377.14	36.2583716	-107.6525941
8,226.00	89.47	92.75	5,428.79	1,913,393.30	2,776,473.10	36.2583646	-107.6522687
8,321.00	89.69	91.52	5,429.49	1,913,389.93	2,776,568.03	36.2583548	-107.6519467
8,416.00	89.65	90.64	5,430.04	1,913,388.31	2,776,663.02	36.2583499	-107.6516245
8,511.00	89.74	90.03	5,430.54	1,913,387.92	2,776,758.01	36.2583483	-107.6513023
8,607.00	89.47	90.47	5,431.20	1,913,387.67	2,776,854.01	36.2583472	-107.6509767
8,702.00	88.90	91.08	5,432.56	1,913,386.56	2,776,948.99	36.2583436	-107.6506545
8,798.00	90.00	91.17	5,433.48	1,913,384.84	2,777,044.97	36.2583384	-107.6503290
8,893.00	91.58	92.23	5,432.17	1,913,382.20	2,777,139.92	36.2583306	-107.6500070
8,988.00	91.63	92.67	5,429.51	1,913,378.30	2,777,234.80	36.2583195	-107.6496852
9,083.00	89.52	90.91	5,428.55	1,913,375.51	2,777,329.75	36.2583113	-107.6493631
9,179.00	89.65	89.77	5,429.25	1,913,375.11	2,777,425.74	36.2583097	-107.6490375
9,274.00	89.38	89.68	5,430.05	1,913,375.73	2,777,520.74	36.2583109	-107.6487153
9,370.00	89.82	88.89	5,430.72	1,913,377.10	2,777,616.72	36.2583142	-107.6483897
9,465.00	90.53	87.57	5,430.43	1,913,380.21	2,777,711.67	36.2583222	-107.6480677
9,560.00	91.45	86.34	5,428.79	1,913,385.42	2,777,806.51	36.2583360	-107.6477459



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Well:	Omega 2308-03 5H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM _16.0

Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)
9,655.00	90.22	85.99	5,427.41	1,913,391.94	2,777,901.27	36.2583534	-107.6474245
9,750.00	87.89	85.46	5,428.97	1,913,399.19	2,777,995.98	36.2583728	-107.6471032
9,845.00	88.11	85.37	5,432.29	1,913,406.95	2,778,090.60	36.2583936	-107.6467822
9,940.00	88.42	84.84	5,435.16	1,913,415.22	2,778,185.19	36.2584159	-107.6464613
10,035.00	90.00	86.51	5,436.47	1,913,422.55	2,778,279.90	36.2584355	-107.6461400
10,129.00	89.69	88.71	5,436.73	1,913,426.64	2,778,373.80	36.2584462	-107.6458215
10,224.00	89.91	88.36	5,437.06	1,913,429.23	2,778,468.76	36.2584529	-107.6454994
10,318.00	89.96	89.68	5,437.17	1,913,431.01	2,778,562.74	36.2584572	-107.6451806
10,413.00	89.25	90.82	5,437.82	1,913,430.76	2,778,657.74	36.2584561	-107.6448584
10,507.00	89.96	91.52	5,438.47	1,913,429.01	2,778,751.72	36.2584507	-107.6445396
10,602.00	89.60	90.03	5,438.84	1,913,427.90	2,778,846.71	36.2584472	-107.6442174
10,696.00	89.43	91.52	5,439.63	1,913,426.79	2,778,940.70	36.2584436	-107.6438986
10,791.00	90.31	91.00	5,439.85	1,913,424.87	2,779,035.68	36.2584378	-107.6435765
10,885.00	90.13	89.77	5,439.49	1,913,424.41	2,779,129.67	36.2584361	-107.6432577
10,979.00	89.52	91.61	5,439.77	1,913,423.44	2,779,223.66	36.2584329	-107.6429389
11,074.00	89.74	90.47	5,440.39	1,913,421.89	2,779,318.65	36.2584281	-107.6426167
11,168.00	89.60	89.85	5,440.93	1,913,421.79	2,779,412.64	36.2584273	-107.6422979
11,263.00	88.64	90.12	5,442.39	1,913,421.99	2,779,507.63	36.2584274	-107.6419757
11,357.00	89.17	92.23	5,444.18	1,913,420.23	2,779,601.59	36.2584220	-107.6416570
11,451.00	89.17	92.84	5,445.54	1,913,416.24	2,779,695.50	36.2584105	-107.6413385
11,545.00	89.56	91.79	5,446.59	1,913,412.61	2,779,789.42	36.2584001	-107.6410200
11,640.00	89.56	90.03	5,447.32	1,913,411.27	2,779,884.40	36.2583959	-107.6406978
11,735.00	89.74	88.62	5,447.90	1,913,412.56	2,779,979.39	36.2583989	-107.6403756
11,829.00	89.47	91.79	5,448.54	1,913,412.39	2,780,073.37	36.2583979	-107.6400568
11,923.00	89.38	91.17	5,449.49	1,913,410.13	2,780,167.34	36.2583912	-107.6397381
12,018.00	90.40	89.41	5,449.67	1,913,409.82	2,780,262.34	36.2583898	-107.6394159
12,113.00	90.48	88.80	5,448.94	1,913,411.47	2,780,357.32	36.2583938	-107.6390937
12,208.00	90.22	88.01	5,448.36	1,913,414.28	2,780,452.27	36.2584010	-107.6387716
12,282.00	90.22	88.01	5,448.08	1,913,416.98	2,780,526.22	36.2584080	-107.6385208



Lonestar Consulting

Geo Survey



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Omega 2308-03 5H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
Site:	Chaco 2308-03 Pad	MD Reference:	GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
Well:	Omega 2308-03 5H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM _16.0

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
352.00	351.98	2.15	-2.07	First Surface MWD Survey
4,789.00	4,752.43	26.86	-533.11	Last Surface MWD Survey
4,883.00	4,845.66	31.19	-522.93	First Curve MWD Survey
5,828.00	5,412.47	48.16	151.84	Last Curve MWD Survey
5,951.00	5,413.55	49.41	274.81	First Lateral MWD Survey
5,998.00	5,413.20	49.95	321.81	36.2583092, -107.6598215
5,998.00	5,413.20	49.95	321.81	Last Perf @ 5998' MD
12,187.00	5,448.45	83.42	6,506.76	36.2583991, -107.6388428
12,187.00	5,448.45	83.42	6,506.76	First Perf @ 12,187' MD
12,208.00	5,448.36	84.12	6,527.74	Last Lateral MWD Survey
12,282.00	5,448.08	86.69	6,601.70	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM120374

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
OMEGA 2308 03 005H9. API Well No.
30-045-3818010. Field and Pool or Exploratory Area
BASIN MANCOS11. County or Parish, State
SAN JUAN COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
LOGOS OPERATING, LLCContact: MARIE E FLOREZ
E-Mail: mflorez@logosresourcesllc.com3a. Address
2010 AFTON PLACE
FARMINGTON, NM 874013b. Phone No. (include area code)
Ph: 505-787-2218

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 3 T23N R8W SENE 1960FNL 223FEL
36.258172 N Lat, 107.660913 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
BP	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well Spud
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

2/28/2020 MOB to location. PJSM. Mix mud. Drill spud 12-1/4" hole @ 14:30hr to 325' TD (GL). TIH, & circulate. TOOH, w/ DP & BHA. RIH, & run w/ 16jts of 9-5/8", 36# J-55 LT&C casing set @ 320' (GL) w/ FC @ 297' (GL). Pumped 10bbbls of FW spacer. Pumped w/ 101sxs (29bbbls, 162cf) Type I-II cement w/ 20% flyash @ 14.5ppg into casing. Dropped plug & displaced w/ 23bbbls of FW. Bumped plug @ 450psi @ 18:00hrs. Circulated 2bbbls of good cement to surface. RD. SDFN. WOC.

Pressure test will be reported on the next casing sundry.

OCD Received
4/6/2020

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #509601 verified by the BLM Well Information System
For LOGOS OPERATING, LLC, sent to the Farmington

Name (Printed/Typed) MARIE E FLOREZ

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 04/03/2020

THIS 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)

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

AV

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.
NMNM120374
6. If Indian, Allottee or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

LOGOS OPERATING, LLC

3a. Address 2010 AFTON PLACE
FARMINGTON, NM 8740113b. Phone No. (include area code)
(505)2788720

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1960 FNL 223 FEL, SE/NE (H) SEC 03 T23N R08W

7. If Unit of CA/Agreement, Name and/or No.
NMNM1419538. Well Name and No.
Omega 2308 03 Com 5H9. API Well No.
30-045-3818010. Field and Pool or Exploratory Area
BASIN MANCOS11. Country or Parish, State
SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off Well	
	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Integrity	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other - Intermediate	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Casing	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If

the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

4/15-4/18/21 MIRU AD1000. 4/19/21 NU PT BOP. PT 9-5/8" csg to 600psi/30min, good test. 4/20/21 Wait on rig parts.
4/21/21 Pick up BHA and RIH w/8-3/4" bit, DO 9-5/8" shoe track, drill ahead to 4472'.
4/22/21 Circ, TOO H w/BHA.
4/23/21 PU bit curve assembly, RIH, build curve to 5900' interm TD on 4/24/21.
4/24/21 Circ, CO, POOH w/directional tools. RIH with 7" csg, hit bridges POOH.
4/25/21 RIH w/roller cone bit, tag bridges, drill thru, wash & ream, POOH, LD bit.
4/26/21 RIH w/7" J55 23# LTC csg.
4/27/21 Set 7" at 5877' w/FC @5830'. RD csg crew, RU cementers. Pumped 30bbbs FW, CMT lead w/510sxs(211bbbs, 1183cf) ASTM Type III @ 12.3ppg, 2.32yld, and Tail w/219sxs(58bbbs, 3.26cf) @ 13.5ppg, 1.49yld. Drop plug @ 04:59hr, displace w/230bbbs KCL. Circ 85bbbs cmt to surface. Bump plug @05:35hr. RD cmt crew. ND BOP, install 7" csg mandrel packoff, secure cap well. Walk rig to next well on pad, Omega 2308 03 4H.

Pressure test will be reported on next casing sundry.

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

Tamra Sessions

Title Regulatory Specialist

Signature

Tamra Sessions

Date 05/06/2021

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)

Well Name: OMEGA 2308 03 COM	Well Location: T23N / R8W / SEC 3 / SENE / 36.258172 / -107.660913	County or Parish/State: SAN JUAN / NM
Well Number: 5H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM120374	Unit or CA Name:	Unit or CA Number:
US Well Number: 300453818000X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Casing
Date Sundry Submitted: 05/06/2021	Time Sundry Submitted: 11:07
Date Operation Actually Began: 04/15/2021	
Actual Procedure: Intermediate Casing	

SR Attachments

Actual Procedure

3160_5_Omega_2308_03_005H_Interm_20210506110108.pdf

Received by OCD: 5/26/2021 4:32:53 PM

Page 12 of 17

Well Name: OMEGA 2308 US COM	Well Location: T23N / R8W / SEC 3 / SENE / 36.258172 / -107.660913	County or Parish/State: SAIN JUAN / NM
Well Number: 5H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM120374	Unit or CA Name:	Unit or CA Number:
US Well Number: 300453818000X1	Well Status: Drilling Well	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: TAMRA SESSIONS	Signed on: MAY 06, 2021 11:06 AM
Name: LOGOS OPERATING LLC	
Title: REGULATORY SPECIALIST	
Street Address: 2010 Afton Place	
City: Farmington	State: NM
Phone: (505) 324-4145	
Email address: tsessions@logosresourcesllc.com	

Field Representative

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

BLM Point of Contact

BLM POC Name: ABDELGADIR ELMADANI	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: aelmadani@blm.gov
Disposition: Accepted	Disposition Date: 05/10/2021
Signature: Ag Elmadani	

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

CONDITIONS

Action 27946

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 27946
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	5/25/2021

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.
NMNM120374
6. If Indian, Allottee or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

LOGOS OPERATING, LLC

3a. 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)
1960 FNL 223 FEL, SE/NE (H) SEC 03 T23N R08W7. If Unit of CA/Agreement, Name and/or No.
NMNM1419538. Well Name and No.
OMEGA 2308 03 COM 5H9. API Well No.
30-045-3818010. Field and Pool or Exploratory Area
BASIN MANCOS11. Country or Parish, State
SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off Well	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other - Production	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Liner	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

5/9/21 NU BOP. Test 7" csg, 1500psi/30mins. Good test. TIH w/6-1/8" bit, DO 7" shoe track. Drill new 6-1/4" hole to 8,204'.

5/10/21 Cont to drill 6-1/4" hole to 11,546'.

5/11/21 Drill to 12,282' TD, reached @ 07:30hr. Circ sweep and pump slug. TOOH. LD bit.

5/12/21 **TIH & set liner @ 12,265' w/156jts 4-1/2" csg P-110, 11.6# BTC, FC @ 12,224', LC @ 12,222', Toe Sleeves @ 12,167'. TOL @ 5,713', Pkr @ 5734'.** RU cementers. Pre-flushed w/10bbbs of FW, 40bbbs spacer. Pumped 571sx (159bbbs, 891cuft) Class G cmt @ 13.9 ppg, 1.56yield. Displaced w/159bbbs KCL. Bumped plug @ 20:05hr. PT pckr to 1000psi. Good test. Circ 35bbbs cmt to surface. RD cementers.

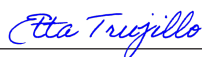
5/13/21 TOOH. LD singles & running tools. Safety shutdown. **TIH, w/ tieback string 132jts, 4-1/2", 11.6#, P-110 and tieback @ 5713'.** Space out and land w/ 30K. ND BOP. NU master valve. Pressure test 4-1/2" prod liner @ 500psi/30min, Good test. Walk rig back to Omega 2308 03 4H.

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

Etta Trujillo

Title Regulatory Specialist

Signature



Date 05/18/2021

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)

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 29664

ACKNOWLEDGMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 29664
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I

1625 N. French Dr., Hobbs, NM 88240
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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

COMMENTS

Action 29664

COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 29664
	Action Type: [C-104] Completion Packet (C-104C)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 5/28/2021	5/28/2021
kpickford	Verbal approval given on 5/28/2021	5/28/2021

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
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1000 Rio Brazos Rd., Aztec, NM 87410
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CONDITIONS

Action 29664

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 29664
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ahvermersch	Points of Disposition ID 4037726 Gas 4037725 Oil	10/21/2021