District II

State of New Mexico Energy, Minerals & Natural Resources

Page 1 of 15 Form C-104 Revised August 1, 2011

Judinit one	copy to	αρριοριια	iic District	Office

811 S. First St., A	Artesia, NM	1 88210		0:	1.0	Di-dalam		S	Submit	one co	opy to ap	propriate District Office
District III 1000 Rio Brazos	Rd., Aztec	, NM 87410			l Conservati 20 South St.							
District IV 1220 S. St. France	⊶ Dr San	to Ea NM 8	7505		20 South St. Santa Fe, N		•				Ш	AMENDED REPORT
1220 S. St. 11am	Is Dr., San				OWABLE		'HO	RIZAT	TON	ፐ ብ ገ	ra ng	SPORT
¹ Operator n				/11 / 11	10 11111111111111111111111111111111111	THIND INC.	110	² OGRI			L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	JI OKI
LOGOS O	perating, I	ting, LLC 289408										
2010 Aftor Farmingtor		.01						³ Reaso	n for F	iling C RT	ode/ Eff	ective Date
⁴ API Numbe			ol Name	me 6 Pool Code								
30 - 0 45-38			BASIN MA	NCOS							97232	
⁷ Property C 330856			operty Nar OMEGA 2	ne 308 03 CC)M					9 W	Vell Num 4H	ber
	rface Lo		Т		 	·		T .	-			1
Ul or lot no. H	3	Township 23N	8W	Lot Idn	Feet from the 1938	North/South NORTH	Line	Feet from 223	m the		West line	e County SAN JUAN
		le Locati		·				1	_			
UL or lot no.	Section 1	Township 23N	Range 8W	Lot Idn 4	Feet from the 738	North/South NORTH		Feet from			West line WEST	e County SAN JUAN
12 Lse Code		cing Method Code		onnection ate	¹⁵ C-129 Peri	mit Number	¹⁶ (C-129 Eff	ective I	Date	¹⁷ C-	-129 Expiration Date
F		F		ate								
III. Oil a		Transpo	rters									
18 Transpor OGRID	ter				¹⁹ Transpor and Ad			_				²⁰ O/G/W
323315		Whiptail Midstream O 15W. 6th Street, Suite 2901, Tulsa, OK 74119							0			
373888												G
		Harvest Midstream LLC 1755 Arryo Drive, Bloomfield NM 87413										
									4444			
	~ ,											
IV. Well 21 Spud Da		etion Dat 22 Ready		1	²³ TD	²⁴ PBTD	1		erforat		$\overline{}$	²⁶ DHC, MC
2/29/2020		-	8/2021						5' - 12,40			DHC, MC
	ole Size			g & Tubir		~12,442' MD / 5,4 29 De			9' - 5,46	8' VD	30 Sa	cks Cement
12-1/4"							320'			101.		
12 1/1			9-5/8	36# J-55	LIC		320			1018	xs, 29bbls,	, 162ct
8-3/4"			7" 23	# J-55 L7	ГC		6102	!		740s	sxs, 273bbl	s, 1,534cf
6-1/8"			4-1/2"	11.6# P-1	10 BTC		12,490	0'		5248	sxs, 146bbl	ls, 817cf
	_		4-1/2" 1	1.6# P-110			5942'	'		No	cmt, Tie ba	ack to be removed
V. Well									•			
31 Date New	Oil 3	² Gas Deliv ~5/28202	•	33 7	Test Date	³⁴ Test 1	Lengt	th	³⁵ Tb	g. Pres	sure	³⁶ Csg. Pressure
³⁷ Choke Si	ize	³⁸ O	il	39	Water	40 (as					⁴¹ Test Method
42 - 1		3 64	27.0	.*				011 (0)	TOPDA	·	T DIVIGI	103.T
⁴² I hereby cert been complied								OIL CO	NSEK v	ATIO	N DIVISI	ON
complete to the												
Signature:	2:00					Approved by:		Jums	um	· Nol	A 3	
Printed name:	gueco					Title:	_	Spurk		~~		
Etta Trujillo	·						<u>а</u> Сс	mpliand	e <u>Ma</u>	nage	r	
Title:	~ : 1:_4					Approval Date		100/04				
Regulatory E-mail Addres							5/	28/21				
L man radios	D.											

etrujillo@logosresourcesllc.com

Phone: (505) 324-4154

Date: 5/26/2021

State of New Mexico Becerved by OCD sb5/26/2024 4:27:06 PM Energy, Minerals & Natural Resources Department Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First Street, Artesia, NM 88210 Phone: (575) 748–1283 Fax: (575) 748–9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Drive, Santa Fe, NM 87505 Phone: (505) 476–3460 Fax: (505) 476–3462

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

Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

X AMENDED REPORT AS DRILLED PLAT

17 OPERATOR CERTAGECA OF DE I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization knowledge and belief, and that this organizatio 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.

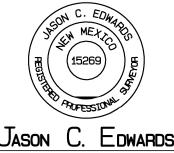
Eta Trugillo 5/25/2021 Signature Etta Trujillo Date

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 undimy supervision, and that the same is true and correct to the best of my belief.

Date Revised: MAY 25, 2021 Date of Survey: MAY 4, 2019

Signature and Seal of Professional Surveyor



DWARDS Certificate Number 15269

JASON

91.0

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹API Number Pool Code 97232 30-045-38179 BASIN MANCOS Property Code Well Number Property Name OMEGA 2308 03 COM 4H 330856 OGRID No Elevation Operator Name 289408 LOGOS OPERATING, LLC 6908

¹⁰ Surface Location

UL or lot no. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County 3 23N NORTH EAST 8W 1938 223 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
D	1	23N	8W	4	738	NORTH	1096	WEST	SAN JUAN
Dedicated Acres 403.72			1444/ -	- Section :	on 1 2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	

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

SURFACE LOCATION (A) SUFFACE LUCATION (A) 1938' FNL 223' FEL SECTION 3, T23N, R8W LAT: 36.258220 N LONG: 107.660305 W DATUM: NAD1927

LAT: 36.258232 °N LONG: 107.660916 °W DATUM: NAD1983

POINT-OF-ENTRY (B) 767' FNL 100' FWL SECTION 2, T23N, R8W LAT: 36.261435 °N LONG: 107.659261 °W DATUM: NAD 1927

1210.5

38.5E

LAT: 36.261448°N LONG: 107.659871°W DATUM: NAD1983

LAST PERFORATION (C) 767' FNL 100' FWL SECTION 2, T23N, R8W LAT: 36.261435 °N LONG: 107.659261 °W DATUM: NAD1927

LAT: 36.261448 °N LONG: 107.659871 °W DATUM: NAD1983

FIRST PERFORATION (D) 739' FNL 999' FWL SECTION 1, T23N, R8W LAT: 36.261488°N LONG: 107.638247°W DATUM: NAD1927

LAT: 36.261501 °N LONG: 107.638857 °W DATUM: NAD1983

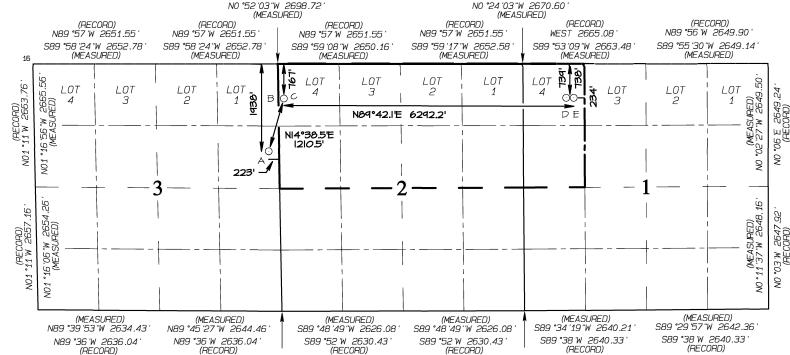
END-OF-LATERAL (E) 738' FNL 1096' FWL SECTION 1, T23N, R8W LAT: 36.261493 N LONG: 107.637918 W DATUM: NAD1927

LAT: 36.261505 °N LONG: 107.638528 °W DATUM: NAD1983

(RECORD) NOO °48 W 2698.74 NO °52 '03"W 2698.72

(RECORD) NO °17 W 2671.68 NO °24'03"W 2670.60'

6195



(MEASURED) NO1 °05 '55 "W 2649.64" N00 °48 W 2652.54

(MEASURED) NO °28 '54"W 2661.26 NO °17 W 2661.12 (RECORD)

(RECORD) Released to Imaging: 10/21/2021 2:33:51 PM



Logos Opersting LLC

San Juan, NM NAD83 Chaco 2308-03 Pad Zeus 2308-03 4H OH

Design: OH

Geo Survey

24 May, 2021





Geo Survey



Company: Logos Opersting LLC
Project: San Juan, NM NAD83
Site: Chaco 2308-03 Pad
Well: Zeus 2308-03 4H

Wellbore: OH
Design: OH

Local Co-ordinate Reference:

Survey Calculation Method:

TVD Reference: MD Reference: North Reference:

Database:

Well Zeus 2308-03 4H GL 6908' & RKB 25' @

GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000) GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)

True

Minimum Curvature

EDM 16.0

Project San Juan, NM NAD83

Map System:US State Plane 1983Geo Datum:North American Datum 1983Map Zone:New Mexico Western Zone

System Datum:

Mean Sea Level

Site Chaco 2308-03 Pad

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

Well Zeus 2308-03 4H **Well Position** 0.00 ft Northing: 1,913,340.39 usft 36.2582320 +N/-S Latitude: +F/-W 0.00 ft Easting: 2,773,923.78 usft Longitude: -107.6609160 **Position Uncertainty** 0.00 ft Wellhead Elevation: 0.00 ft Ground Level: 6,908.01 ft

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

ОН Design Audit Notes: 1.0 ACTUAL 0.00 Version: Phase: Tie On Depth: Vertical Section: Depth From (TVD) +N/-S +F/-W Direction (ft) (ft) (ft) (°) 0.00 0.00 0.00 79.91

Survey Program Date 5/18/2021 From То (ft) (ft) Survey (Wellbore) Tool Name Description 4,789.00 Survey #1 - Surface MWD Survey (OH) MWD+HDGM OWSG MWD + HDGM 353.00 MWD+HDGM 4.883.00 6,214.00 Survey #2 - Curve MWD Survey (OH) OWSG MWD + HDGM 12,500.00 Survey #3 - Lateral MWD Survey (OH) MWD+HDGM 6.308.00 OWSG MWD + HDGM

Survey **Measured Depth** Inclination Azimuth Vertical Depth Latitude Northing Easting Longitude (ft) (usft) (ft) (°) (usft) (°) (°) 0.00 0.00 36.2582320 -107.6609160 0.00 0.00 2,773,923.78 1,913,340.39 353.00 1.23 260.10 352.97 1,913,339.73 2,773,920.05 36.2582302 -107.6609287 First Surface MWD Survey 0.70 447.96 448.00 237.07 1,913,339.23 2,773,918.56 36.2582289 -107.6609337 543.00 0.83 255.35 542.95 1,913,338.74 2,773,917.41 36.2582275 -107.6609376 637.00 2.46 343.07 636.92 1,913,340.50 2,773,916.16 36.2582323 -107.6609419 731.00 4.44 343.51 730.74 1,913,345.91 2,773,914.53 36.2582472 -107.6609474 825 00 341.84 824.48 36.2582656 -107.6609544 4.09 1,913,352.58 2,773,912.44 920.00 4.09 340.34 919.24 1,913,358.99 2,773,910.23 36.2582832 -107.6609618 1.014.00 4.04 333.84 1.013.01 1,913,365.11 2.773.907.63 36.2583000 -107.6609706



Geo Survey



Company: Logos Opersting LLC San Juan, NM NAD83 Project: Site: Chaco 2308-03 Pad Well: Zeus 2308-03 4H

Wellbore: Design: ОН

Local Co-ordinate Reference: TVD Reference:

MD Reference: North Reference: **Survey Calculation Method:**

Database:

Well Zeus 2308-03 4H

GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000) GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)

Minimum Curvature EDM _16.0

sign.					LDW _10.0		
vey							
leasured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)
1,108.00	4.61	335.60	1,106.74	1,913,371.52	2,773,904.60	36.2583176	-107.66098
1,203.00	4.79	338.32	1,201.42	1,913,378.68	2,773,901.54	36.2583373	-107.66099
1,297.00	5.19	334.10	1,295.06	1,913,386.14	2,773,898.22	36.2583578	-107.66100
1,391.00	7.25	341.57	1,388.50	1,913,395.59	2,773,894.47	36.2583838	-107.6610
1,486.00	8.79	349.66	1,482.58	1,913,408.41	2,773,891.25	36.2584190	-107.6610
1,580.00	10.41	347.20	1,575.26	1,913,423.76	2,773,888.05	36.2584612	-107.6610
1,674.00	11.12	336.65	1,667.61	1,913,440.35	2,773,882.55	36.2585068	-107.6610
1,768.00	12.39	329.79	1,759.64	1,913,457.38	2,773,873.85	36.2585536	-107.6610
1,862.00	14.02	333.31	1,851.16	1,913,476.25	2,773,863.63	36.2586055	-107.6611
1,956.00	16.57	329.79	1,941.82	1,913,497.99	2,773,851.73	36.2586653	-107.6611
2,051.00	17.36	328.39	2,032.69	1,913,521.74	2,773,837.44	36.2587306	-107.6612
2,145.00	18.76	325.75	2,122.05	1,913,546.15	2,773,821.54	36.2587977	-107.6612
2,239.00	19.51	328.65	2,210.86	1,913,572.02	2,773,804.82	36.2588689	-107.6613
2,334.00	21.23	332.08	2,299.92	1,913,600.74	2,773,788.46	36.2589479	-107.6613
2,428.00	20.26	330.23	2,387.83	1,913,629.88	2,773,772.36	36.2590280	-107.6614
2,522.00	19.29	328.48	2,476.28	1,913,657.21	2,773,756.11	36.2591032	-107.6614
2,616.00	20.48	330.59	2,564.68	1,913,684.74	2,773,739.87	36.2591789	-107.6615
2,711.00	19.95	330.41	2,653.83	1,913,713.29	2,773,723.65	36.2592574	-107.6615
2,805.00	19.64	330.59	2,742.27	1,913,740.97	2,773,707.93	36.2593335	-107.6616
2,900.00	18.54	329.27	2,832.05	1,913,767.83	2,773,692.32	36.2594073	-107.6616
2,995.00	18.37	329.18	2,922.16	1,913,793.64	2,773,676.89	36.2594783	-107.6617
3,106.00	18.15	330.50	3,027.57	1,913,823.68	2,773,659.36	36.2595609	-107.6618
3,201.00	19.20	336.39	3,117.58	1,913,850.85	2,773,645.77	36.2596356	-107.6618
3,295.00	20.30	333.93	3,206.05	1,913,879.63	2,773,632.36	36.2597148	-107.6619
3,389.00	19.34	332.96	3,294.48	1,913,908.12	2,773,618.07	36.2597931	-107.6619
3,483.00	19.12	330.50	3,383.23	1,913,935.36	2,773,603.36	36.2598680	-107.6619
3,578.00	17.75	328.04	3,473.36	1,913,961.16	2,773,587.99	36.2599389	-107.6620
3,673.00	19.34	328.21	3,563.42	1,913,986.79	2,773,571.99	36.2600094	-107.6621
3,767.00	21.05	326.81	3,651.64	1,914,014.12	2,773,554.50	36.2600846	-107.6621
3,862.00	20.87	326.02	3,740.36	1,914,042.39	2,773,535.65	36.2601624	-107.6622
3,956.00	19.64	324.08	3,828.54	1,914,069.04	2,773,516.98	36.2602356	-107.6622
4,051.00	20.74	324.26	3,917.70	1,914,095.59	2,773,497.74	36.2603087	-107.6623
4,145.00	19.12	323.47	4,006.07	1,914,121.44	2,773,478.80	36.2603798	-107.6624
4,240.00	16.96	325.84	4,096.40	1,914,145.38	2,773,461.72	36.2604456	-107.6624
4,334.00	18.33	330.67	4,185.98	1,914,169.58	2,773,446.74	36.2605122	-107.6625
4,429.00	21.27	331.55	4,275.35	1,914,197.74	2,773,431.16	36.2605896	-107.6625
4,523.00	20.83	330.50	4,363.08	1,914,227.24	2,773,414.75	36.2606707	-107.6626
4,617.00	17.49	328.12	4,451.86	1,914,253.77	2,773,399.01	36.2607437	-107.6626
4,695.00	15.38	326.28	4,526.67	1,914,272.30	2,773,387.04	36.2607946	-107.6627
4,789.00	16.17	341.92	4,617.17	1,914,295.10	2,773,376.01	36.2608573	-107.6627
Last Surface MV 4,883.00		356.34	4,707.67	1,914,319.96	2,773,371.11	36.2609256	-107.6627
First Curve MWI	D Survey						
	19.07	6.09					



Geo Survey



Company: Logos Opersting LLC San Juan, NM NAD83 Project: Site: Chaco 2308-03 Pad Zeus 2308-03 4H Well:

Wellbore: ОН Design: ОН Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Database:

Well Zeus 2308-03 4H

GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000) GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)

Minimum Curvature

EDM _16.0

easured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)
5,072.00	20.39	15.23	4,886.92	1,914,379.03	2,773,377.78	36.2610879	-107.66276
5,167.00	21.01	43.62	4,976.01	1,914,407.43	2,773,393.87	36.2611658	-107.66270
5,261.00	29.53	63.13	5,061.09	1,914,430.24	2,773,426.23	36.2612283	-107.66259
5,356.00	38.85	69.73	5,139.61	1,914,451.28	2,773,475.16	36.2612859	-107.66243
5,450.00	50.05	74.65	5,206.63	1,914,471.22	2,773,537.74	36.2613403	-107.6622
5,544.00	55.02	78.87	5,263.80	1,914,488.33	2,773,610.31	36.2613870	-107.66197
5,640.00	57.48	79.66	5,317.13	1,914,503.33	2,773,688.70	36.2614278	-107.66170
5,734.00	66.67	85.02	5,361.13	1,914,514.37	2,773,770.88	36.2614577	-107.66142
5,829.00	73.17	89.06	5,393.74	1,914,519.06	2,773,859.91	36.2614702	-107.66112
5,924.00	77.83	90.56	5,417.52	1,914,519.52	2,773,951.86	36.2614710	-107.66081
6,018.00	82.97	92.58	5,433.20	1,914,517.13	2,774,044.47	36.2614640	-107.66049
6,084.00	89.12	91.17	5,437.75	1,914,515.10	2,774,110.25	36.2614581	-107.66027
6,203.50	89.89	92.30	5,438.78	1,914,511.69	2,774,229.70	36.2614482	-107.65987
_	03' MD - 36.2614482, -		5 400 70	4 044 544 00	0.774.040.40	00 004 4 4 7 0	407.0500
6,214.00	89.96	92.40	5,438.79	1,914,511.28	2,774,240.19	36.2614470	-107.65983
Last Curve MW	•	00.40	5 444 74	1 014 507 51	0.774.004.05	00 004 4000	407.0505
6,308.00	86.48	92.40	5,441.71	1,914,507.51	2,774,334.05	36.2614362	-107.6595
First Lateral MV 6,402.00	86.79	93.19	5,447.23	1,914,503.11	2,774,427.79	36.2614236	-107.65919
6,497.00	84.51	89.06	5,454.44	1,914,501.41	2,774,522.47	36.2614185	-107.65887
6,622.00	88.33	89.59	5,462.24	1,914,503.10	2,774,647.19	36.2614225	-107.65845
6,686.00	88.81	93.02	5,463.84	1,914,501.76	2,774,711.15	36.2614185	-107.65823
6,780.00	92.72	91.35	5,462.58	1,914,498.34	2,774,805.05	36.2614086	-107.6579 ²
6,875.00	91.23	88.89	5,459.31	1,914,498.31	2,774,899.99	36.2614081	-107.65759
6,968.00	90.13	88.45	5,458.20	1,914,500.64	2,774,992.95	36.2614140	-107.65728
7,063.00	89.43	87.66	5,458.57	1,914,504.03	2,775,087.89	36.2614228	-107.65696
7,158.00	91.01	89.33	5,458.20	1,914,506.69	2,775,182.84	36.2614297	-107.65663
7,253.00	90.75	89.24	5,456.75	1,914,508.05	2,775,277.82	36.2614329	-107.6563°
7,347.00	89.91	89.06	5,456.20	1,914,509.61	2,775,371.81	36.2614367	-107.65599
7,442.00	89.03	88.45	5,457.08	1,914,511.84	2,775,466.77	36.2614424	-107.65567
7,536.00	90.57	90.38	5,457.41	1,914,512.97	2,775,560.76	36.2614450	-107.65535
7,631.00	90.09	90.38	5,456.86	1,914,512.51	2,775,655.76	36.2614433	-107.65503
7,725.00	89.43	89.59	5,457.26	1,914,512.70	2,775,749.75	36.2614433	-107.6547
7,820.00	88.95	89.68	5,458.60	1,914,513.47	2,775,844.74	36.2614450	-107.65439
7,914.00	89.25	92.58	5,460.08	1,914,511.79	2,775,938.70	36.2614399	-107.65407
8,008.00	91.23	92.75	5,459.68	1,914,507.58	2,776,032.60	36.2614278	-107.65375
8,103.00	90.66	92.58	5,458.12	1,914,503.34	2,776,127.50	36.2614157	-107.65343
8,197.00	90.48	91.52	5,457.18	1,914,500.14	2,776,221.43	36.2614064	-107.6531
8,292.00	90.22	91.35	5,456.60	1,914,497.93	2,776,316.41	36.2613999	-107.65279
8,386.00	90.40	91.52	5,456.09	1,914,495.75	2,776,410.38	36.2613934	-107.65247
	90.22	91.87				36.2613856	-107.65247
8,481.00 8,575.00	90.22 91.45	91.87	5,455.58 5,454.21	1,914,493.10 1,914,491.50	2,776,505.34 2,776,599.31	36.2613808	-107.6518
	92.59	90.12		1,914,491.33			-107.6515
8,669.00 8,763.00	92.59 88.33	90.12 88.71	5,450.90 5,450.14	1,914,491.33	2,776,693.25 2,776,787.22	36.2613798 36.2613824	-107.6515
8,858.00	87.36	88.45	5,450.14 5,453.71	1,314,432.40	2,776,882.12	36.2613889	-107.65087



Geo Survey



Company: Logos Opersting LLC
Project: San Juan, NM NAD83
Site: Chaco 2308-03 Pad
Well: Zeus 2308-03 4H

Well: Zeus 2308-03
Wellbore: OH
Design: OH

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:
Database:

Well Zeus 2308-03 4H

GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000) GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)

True

Minimum Curvature EDM _16.0

easured Depth	Inclination	Azimuth	Vertical Depth	Northing	Easting	Latitude	Longitude
(ft)	(°)	(°)	(ft)	(usft)	(usft)	(°)	(°)
8,953.00	86.66	87.92	5,458.67	1,914,498.15	2,776,976.93	36.2613971	-107.650
9,047.00	88.73	87.57	5,462.45	1,914,502.02	2,777,070.77	36.2614072	-107.6502
9,141.00	90.48	85.72	5,463.10	1,914,507.68	2,777,164.59	36.2614223	-107.6499
9,236.00	90.44	86.16	5,462.33	1,914,514.58	2,777,259.34	36.2614407	-107.649
9,331.00	90.09	85.28	5,461.89	1,914,521.84	2,777,354.06	36.2614602	-107.6492
9,447.00	90.26	85.90	5,461.54	1,914,530.96	2,777,469.70	36.2614846	-107.6488
9,541.00	91.49	87.92	5,460.10	1,914,536.19	2,777,563.53	36.2614985	-107.648
9,636.00	91.93	88.01	5,457.27	1,914,539.74	2,777,658.42	36.2615078	-107.6482
9,730.00	89.47	89.15	5,456.12	1,914,542.23	2,777,752.37	36.2615141	-107.6479
9,824.00	89.74	89.15	5,456.77	1,914,543.79	2,777,846.36	36.2615179	-107.6476
9,918.00	89.47	89.33	5,457.42	1,914,545.21	2,777,940.35	36.2615213	-107.6472
10,013.00	89.12	88.97	5,458.59	1,914,546.79	2,778,035.32	36.2615251	-107.6469
10,108.00	88.81	89.50	5,460.30	1,914,548.22	2,778,130.30	36.2615286	-107.6466
10,202.00	89.21	89.33	5,461.93	1,914,549.35	2,778,224.28	36.2615312	-107.646
10,296.00	90.31	89.68	5,462.32	1,914,550.33	2,778,318.27	36.2615334	-107.6460
10,390.00	90.62	89.41	5,461.56	1,914,551.24	2,778,412.26	36.2615354	-107.6456
10,485.00	91.01	89.06	5,460.21	1,914,552.68	2,778,507.24	36.2615388	-107.645
10,579.00	90.40	89.24	5.459.05	1,914,554.24	2,778,601.22	36.2615426	-107.645
10,673.00	89.65	90.12	5,459.01	1,914,554.93	2,778,695.21	36.2615440	-107.644
10,767.00	89.21	89.24	5,459.94	1,914,555.63	2,778,789.21	36.2615454	-107.644
,	88.99	88.99	*				-107.644
10,861.00 10,956.00	90.22	90.56	5,461.42 5,462.08	1,914,557.24 1,914,557.79	2,778,883.18 2,778,978.17	36.2615494 36.2615503	-107.643
,							
11,050.00	90.26	90.82	5,461.68	1,914,556.82	2,779,072.17	36.2615472	-107.6434
11,144.00	90.22	89.59	5,461.29	1,914,556.65	2,779,166.16	36.2615462	-107.643
11,239.00	89.91	89.59	5,461.18	1,914,557.50	2,779,261.16	36.2615480	-107.6428
11,333.00	89.38	89.59	5,461.76	1,914,558.34	2,779,355.15	36.2615498	-107.642
11,427.00	89.38	89.33	5,462.78	1,914,559.40	2,779,449.14	36.2615522	-107.642
11,522.00	89.96	92.14	5,463.33	1,914,558.35	2,779,544.12	36.2615488	-107.641
11,616.00	90.13	91.70	5,463.25	1,914,555.36	2,779,638.08	36.2615401	-107.641
11,710.00	89.21	90.91	5,463.79	1,914,553.39	2,779,732.05	36.2615342	-107.6412
11,805.00	88.90	91.87	5,465.36	1,914,551.25	2,779,827.01	36.2615278	-107.6408
11,899.00	88.90	91.52	5,467.17	1,914,548.64	2,779,920.96	36.2615201	-107.640
11,994.00	91.14	91.70	5,467.13	1,914,546.14	2,780,015.92	36.2615127	-107.6402
12,088.00	90.75	91.52	5,465.58	1,914,543.67	2,780,109.87	36.2615054	-107.6399
12,182.00	88.33	90.64	5,466.34	1,914,542.06	2,780,203.85	36.2615005	-107.6396
12,276.00	89.87	90.20	5,467.81	1,914,541.54	2,780,297.83	36.2614985	-107.6392
12,370.00	90.35	89.33	5,467.63	1,914,542.10	2,780,391.83	36.2614995	-107.6389
12,403.00	90.04	89.13	5,467.52	1,914,542.60	2,780,424.83	36.2615007	-107.6388
36.2615007, -107.	6388570 - First Per	f @ 12,403' MD					
12,430.00	89.78	88.97	5,467.56	1,914,543.09	2,780,451.82	36.2615019	-107.638
Last Lateral MWD							
12,500.00	89.78	88.97	5,467.83	1,914,544.48	2,780,521.81	36.2615054	-107.638



Geo Survey



Company: Logos Opersting LLC
Project: San Juan, NM NAD83
Site: Chaco 2308-03 Pad
Well: Zeus 2308-03 4H

Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Zeus 2308-03 4H

TVD Reference: GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)
MD Reference: GL 6908' & RKB 25' @ 6933.01ft (Aztec 1000)

North Reference:

Survey Calculation Method: Minimum Curvature

Database: EDM _16.0

n Annotations					
Meas	sured	Vertical	Local Coo	rdinates	
	pth	Depth	+N/-S	+E/-W	
(1	t)	(ft)	(ft)	(ft)	Comment
	353.00	352.97	-0.65	-3.73	First Surface MWD Survey
4,	789.00	4,617.17	955.69	-546.07	Last Surface MWD Survey
4,8	883.00	4,707.67	980.56	-550.92	First Curve MWD Survey
6,3	203.50	5,438.78	1,170.76	308.00	Last Perf @ 6203' MD
6,2	203.50	5,438.78	1,170.76	308.00	36.2614482, -107.6598713
6,3	214.00	5,438.79	1,170.33	318.49	Last Curve MWD Survey
6,3	308.00	5,441.71	1,166.40	412.35	First Lateral MWD Survey
12,4	403.00	5,467.52	1,190.64	6,503.19	36.2615007, -107.6388570
12,4	403.00	5,467.52	1,190.64	6,503.19	First Perf @ 12,403' MD
12,4	430.00	5,467.56	1,191.09	6,530.19	Last Lateral MWD Survey
12,	500.00	5,467.83	1,192.35	6,600.17	Projection to TD

Checked By:	Approved By:	Date:	
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Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR DUBEAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

		Expires:	October	31,	•
_	1 3 T				7

BURI	EAU OF LAND MAN		NMNM120374					
SUNDRY N	IOTICES AND REPO	ORTS ON W	/ELLS		6. If Indian, Allottee or Tribe Name			
	form for proposals Use Form 3160-3 (A							
SUBMIT IN T	TRIPLICATE - Other instr	uctions on pag	e 2		7. If Unit of CA/Agreen			
1. Type of Well						NM141953		
Oil Well X Gas W	Vell Other		8. Well Name and No. OMI	EGA 2308 03 COM 4H				
2. Name of Operator LOGOS OPERAT	ING, LLC				9. API Well No.	045-38179		
3a. Address 2010 AFTON PLACE FARMINGTON, NM 874	01	3b. Phone No. (505) 278	(include area cod -8720	e)	10. Field and Pool or E BA	xploratory Area SIN MANCOS		
4. Location of Well (Footage, Sec., T.,R 1938 FNL 223 FEL, SE/)			11. Country or Parish, State SAN JUAN COUNTY, NM			
12. CHE	CK THE APPROPRIATE B	OX(ES) TO INI	DICATE NATUR	E OF NOTI	CE, REPORT OR OTH	ER DATA		
TYPE OF SUBMISSION			TY	PE OF AC	ΓΙΟΝ			
Notice of Intent	Acidize Alter Casing	Deep Hydr	en aulic Fracturing	=	uction (Start/Resume) amation	Water Shut-Off Well Integrity		
X Subsequent Report	Casing Repair	=	Construction	=	omplete	X Other - Intermediate		
	Change Plans	= ~	and Abandon	=	porarily Abandon	Casing		
Final Abandonment Notice 13. Describe Proposed or Completed O	Convert to Injection		Back		er Disposal			
4/27/21 MIRU AD1000. NU PT DO 9-5/8" shoe track, drill ahead 4/28/21 Cont to drill to 4678'. Cit 4/29/21 TIH w/bit curve assembl 4/30/21 Drill to INT TD @ 6144' 5/1/21 TIH & reamed w/8-3/4 bit 5/2/21 Set 7" J-55 23# LTC csg (w/520sxs(215bbls,1206cf) ASTN 13.5ppg, 1.49yld. Drop plug, disg 16:00 hrs, test 7"csg @ 1500psi/3	to 350'. rc. TOOH BHA y, RIH, build curve to 5312' '. Circ. TOOH w/bit curve a t. Circ. LD bit. TOOH. RIH @ 6102' w/FC @6057'. RD ## Type III @ 12.3ppg, 2.32 place w/239bbls FW. Circ 7	ssembly. w/7" to 3121'. csg crew. RU ceyld, and Tail w/2	menters. Pumped 20sxs(58bbls, 32	30bbls FW 8cf) CLASS	, CMT lead 5 G @			
14. I hereby certify that the foregoing is Etta Trujillo	Title Regulato	ry Specialis	at					
Signature Cta Trujille	, 9		Date 05/11/20)21				
	THE SPACE	FOR FEDI	ERAL OR ST	ATE OF	ICE USE			
Approved by								
			Title		ח	ate		
Conditions of approval, if any, are attack certify that the applicant holds legal or e which would entitle the applicant to con	equitable title to those rights		t or		D			
Title 18 U.S.C Section 1001 and Title 43 any false, fictitious or fraudulent statement				gly and will	fully to make to any dep	partment or agency of the United States		

(Instructions on page 2)

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

	Expires: October 31
Loogo Coriol M	3

BUR	EAU OF LAND MANAGEMENT		5. Lease Seriai No.	NM120374
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.			6. If Indian, Allottee or	
SUBMIT IN	TRIPLICATE - Other instructions on pag	e 2	7. If Unit of CA/Agreer	
1. Type of Well	<u>`</u>			NM141953
Oil Well X Gas V	Vell Other			EGA 2308 03 COM 4H
2. Name of Operator LOGOS OPERAT	TING, LLC		9. API Well No. 30-0	145-38179
3a. Address 2010 AFTON PLACE FARMINGTON, NM 874	(-0-)0	(include area code) -8720	10. Field and Pool or Ex BAS	xploratory Area SIN MANCOS
4. Location of Well (Footage, Sec., T.,F 1938 FNL 223 FEL, SE/	R.,M., or Survey Description) NE (H) SEC 03 T23N R08W		11. Country or Parish, S	State N JUAN COUNTY, NM
12. CHE	CK THE APPROPRIATE BOX(ES) TO INI	DICATE NATURE OF NOT	ICE, REPORT OR OTHI	ER DATA
TYPE OF SUBMISSION		TYPE OF AC	TION	
Notice of Intent	Acidize Deep Alter Casing Hydr	=	duction (Start/Resume)	Water Shut-Off Well Integrity
X Subsequent Report			omplete	X Other - Production
Final Abandonment Notice		=	porarily Abandon er Disposal	Liner
5/5/21 Drill ahead to 9401'. T 5/7/21 Circ, sweep as needed 5/8/21 RIH w/154jts 4-1/2" P TOL 5942' w/Packer @ 5964 5/8/21 RU cementers. Pre-flu Displaced w/159bbls KCL. E RD cementers. TOOH w/line	950', DO cmt & 7" shoe track. Drill 6-1 COOH with bit, RIH with new 6-1/8" bit, pump slug & TOOH, LD bit. RU csg 8-110, 11.6# BTC liner csg & land @ 12 L'. RD csg crew. Ished w/10bbls FW, 40bbls spacer. Pum Bumped plug @ 16:50hr on 5/8/21. Circ er setting tool, ND & cap well. Walk rightly. TIH, w/ tieback string 137jts, 4-1/2 Pressure test 4-1/2" prod liner @ 1500ps	t. Cont drilling lateral to be crew. 2,490', w/FC @ 12,444', I aped 524sx (146bbls, 817 30bbls cmt to surface. P' g back to Omega 2308 03 ', 11.6#, P-110 and tiebac	LC @ 12,442', Toe Sle cuft) Class G cmt @ 1 If packer for 5 mins @ 5H.	eves @ 12,387'. 3.3ppg, 1.56yld. 1050psi, good test.
, ,	true and correct. Name (Printed/Typed)	D 1. G	1.	
Tamra Sessions		Title Regulatory Specia	alist	
Signature Tamra S	essions	Date 05/17/2021		
	THE SPACE FOR FEDI	ERAL OR STATE OF	FICE USE	
Approved by		Title	D	ate
	hed. Approval of this notice does not warran equitable title to those rights in the subject leaduct operations thereon.		,	
Title 19 II C C Section 1001 and Title 4	2 I.I.S.C. Spotian 1212, make it a prime for an	arr margan Irmayyin alvo and svil	Ifully to males to any don	continuent on a gamery of the United States

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)

Form 3160-5 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB NO. 1004-0137

В	UREAU OF LAND MANA	GEMENT			The second secon	anuary 31, 2018
SUNDRY	NOTICES AND REPO	RTS ON W	ELLS		Lease Serial No. NMNM120374	
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.			6. If Indian, Allottee of	or Tribe Name		
SUBMIT IN	TRIPLICATE - Other ins	tructions on	page 2		7. If Unit or CA/Agre	ement, Name and/or No.
Type of Well Oil Well	ner				8. Well Name and No. ZEUS 2308 03 4H	1
2. Name of Operator		MARIE E FL	ORFZ		9. API Well No.	
LOGOS OPERATING LLC	E-Mail: mflorez@l	ogosresources	llc.com		30-045-38179-0	00-X1
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401		3b. Phone No Ph: 505.78	o. (include area code) 37.2218		10. Field and Pool or BASIN MANCO	
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description	1)			11. County or Parish,	State
Sec 3 T23N R8W SENE 1938 36.258232 N Lat, 107.660916					SAN JUAN COI	JNTY, NM
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICA	TE NATURE O	F NOTICE,	REPORT, OR OTH	HER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION		
D Notice of Latent	☐ Acidize	☐ Dee	pen	☐ Product	ion (Start/Resume)	☐ Water Shut-Off
☐ Notice of Intent	☐ Alter Casing	□ Нус	Iraulic Fracturing	☐ Reclam	ation	☐ Well Integrity
Subsequent Report	☐ Casing Repair	□ Nev	v Construction	Recomp	olete	☑ Other
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug	g and Abandon	☐ Tempor	arily Abandon	Well Spud
	☐ Convert to Injection	Plug	g Back	☐ Water I	Disposal	
determined that the site is ready for f 2/29/2020 MOB to location. Positive Processes and the site is ready for f 2/29/2020 MOB to location. Positive Processes and the site is ready for for a site is ready for for for a site is ready for	JSM. Mix mud. Drill spud A. RIH, & run w/ 16jts of 9 10bbls of FW spacer. Pun 10ing. Dropped plug & dis 10 good cement to surface	9-5/8", 36# J- nped w/ 101s placed w/ 23t e. RD. SDFN.	55 LT&C casing s xs (29bbls, 162ct bbls of FW. Bump	set @ 320' () Type I-II c	GL) ement w/	
14. I hereby certify that the foregoing is	Electronic Submission #	PERATING L	C. sent to the Fa	rminaton		
Name (Printed/Typed) MARIE E				ATORY SPI		
Signature (Electronic S	Submission)		Date 04/06/20	120		
	THIS SPACE FO	OR FEDERA			SE	
Approved By ACCEPT	ED		JOE KILLII TitleENGINEER			Date 04/06/2020
Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent would entitle the applicant to conductive the	uitable title to those rights in the	not warrant or e subject lease	Office Farming			,
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent				willfully to ma	ike to any department or	agency of the United
(I						

(Instructions on page 2) ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



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

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 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 22628

CONDITIONS OF APPROVAL

Operator:			OGRID:		Action Type:
LOGOS OPERATING, LLC	2010 Afton Place	Farmington, NM87401	289408	22628	C-103N

OCD Reviewer	Condition
ksimmons	None

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

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 29654

ACKNOWLEDGMENTS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	29654
	Action Type:
	[C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

V	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
$\overline{\lor}$	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
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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 29654

COMMENTS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	29654
	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 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

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 29654

CONDITIONS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	29654
l l	Action Type:
l l	[C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ahvermersch	Points of Disposition ID 4037722 Gas 4037721 Oil	10/21/2021