

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Artesia, N.M. 87410
Phone: (505) 334-6176 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
As-Drilled Plat

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35848	² Pool Code 47540	³ Pool Name NAGEEZI GALLUP
⁴ Property Code 317282	⁵ Property Name HEROS 2308 09L Com	⁶ Well Number #3H
⁷ GRID No. 289408	⁸ Operator Name LOGOS OPERATING, LLC	⁹ Elevation 6913

¹⁰ Surface Location

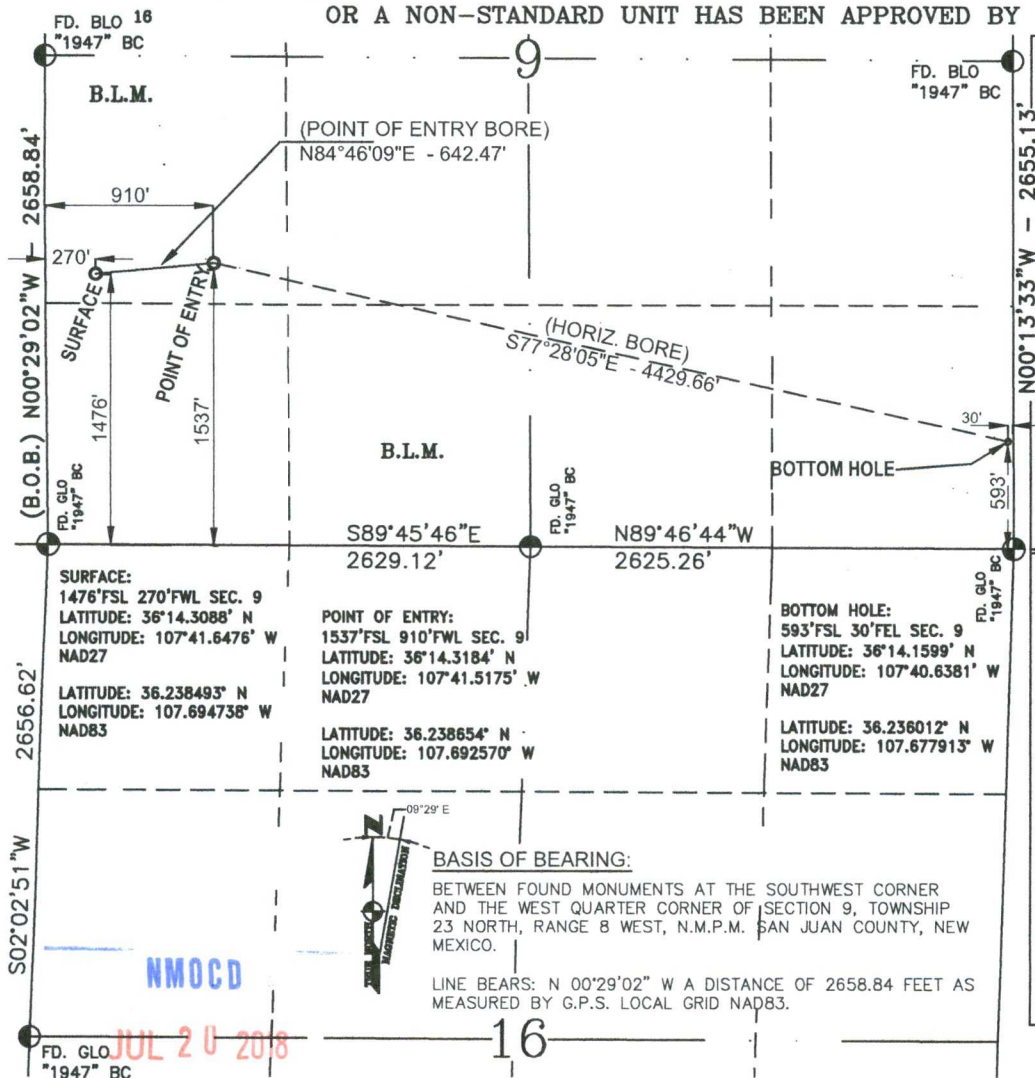
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	9	23-N	8-W		1476	SOUTH	270	WEST	SAN JUAN

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
P	9	23-N	8-W		593	SOUTH	30	EAST	SAN JUAN

¹² Dedicated Acres Sec. 9 S/2; Sec. 16 N/2 640 acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14783
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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 CERTIFICATION

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

Marie E. Florez 7/19/2018
Signature Date
Marie E. Florez
Printed Name
mflorez@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.

JUNE 20, 2018
Date of Survey
Signature and Seal of Professional Surveyor
GLEN W. RUSSELL
Certificate Number 15703



CONFIDENTIAL



Logos Operating LLC

San Juan, NM NAD83

Heros 2308-09L

Heros 2308-09L 3H - Slot 3H

OH

Design: OH

Standard Survey Report

07 June, 2018

NMOCB
JUL 20 2018
DISTRICT III



www.scientificdrilling.com

CONFIDENTIAL



Company Name: Logos Operating LLC
Project: San Juan, NM NAD83
Site: Heros 2308-09L
Well: Heros 2308-09L 3H
Wellbore: OH

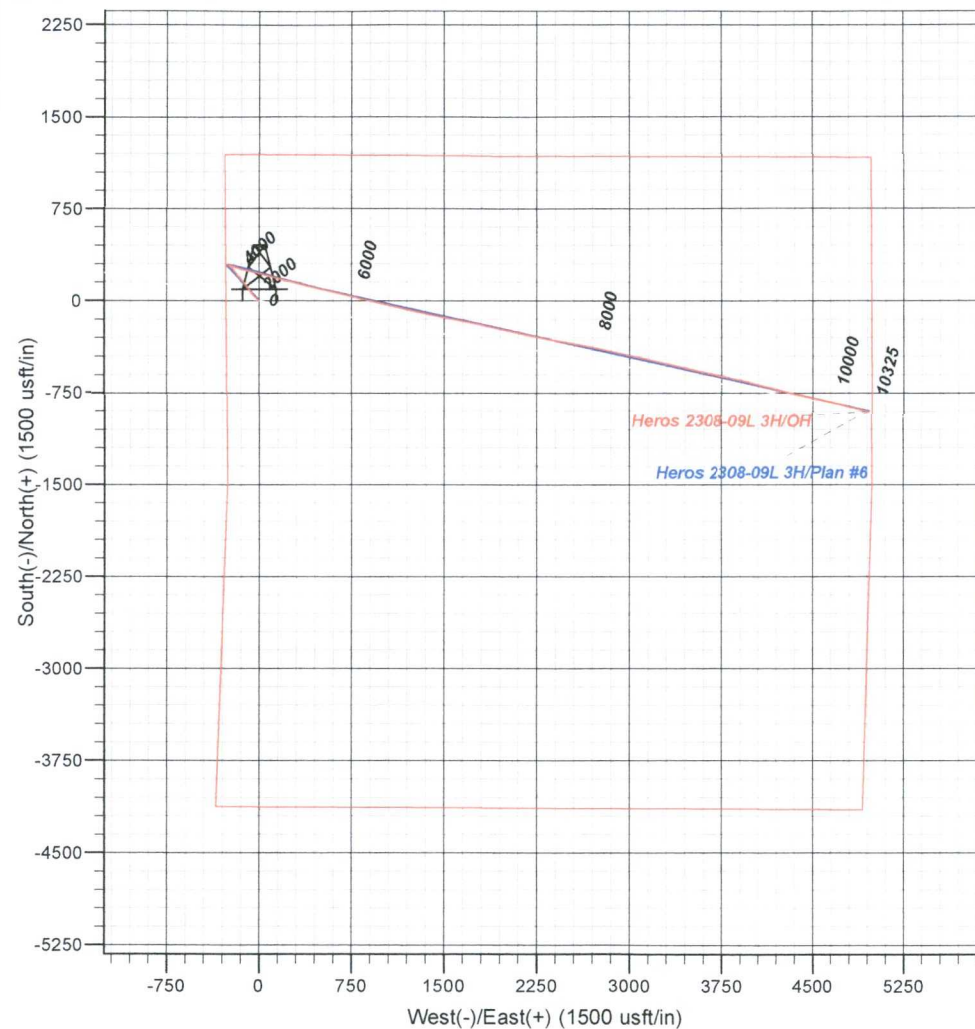
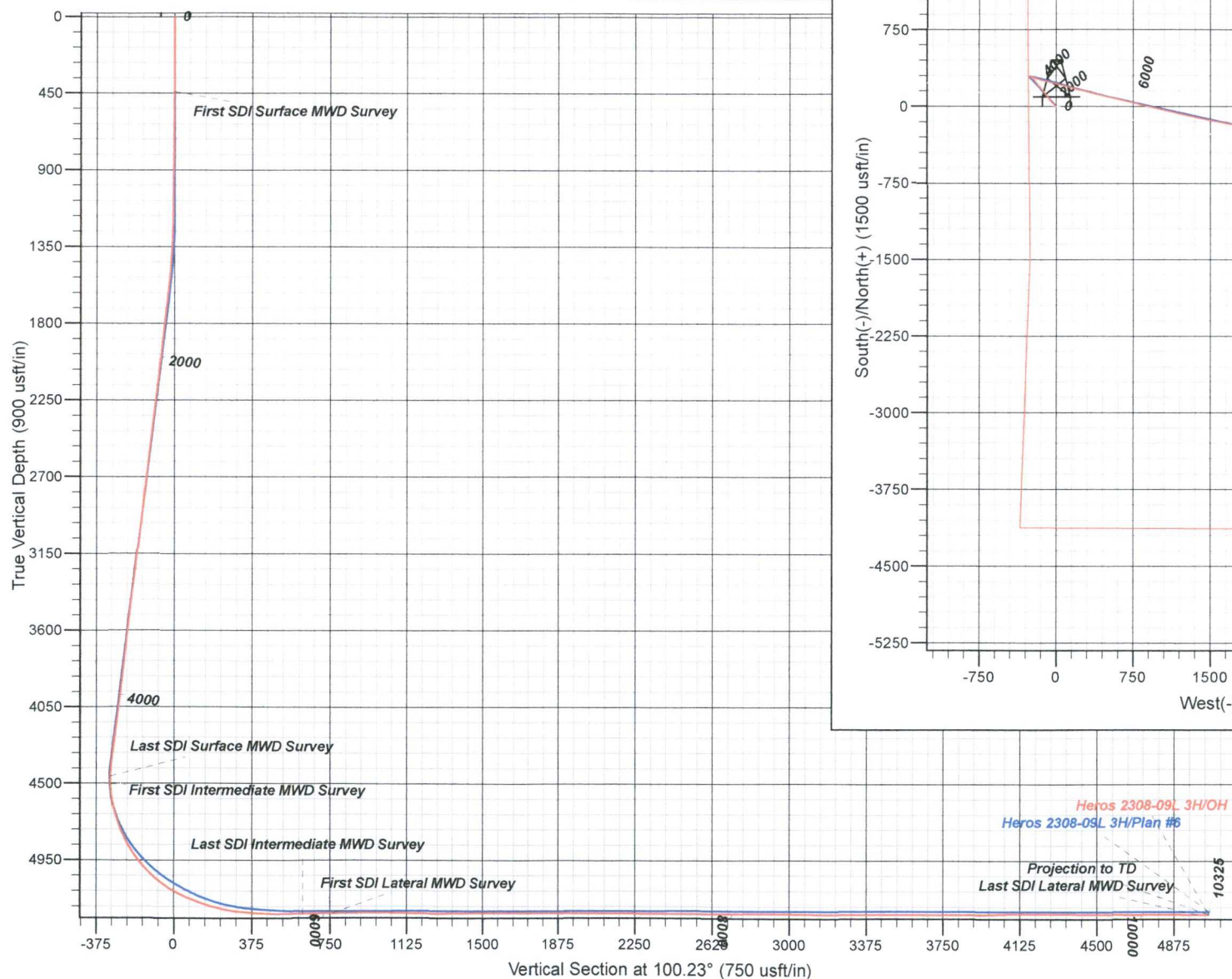
CONFIDENTIAL



WELL DETAILS: Heros 2308-09L 3H

+N/-S	+E/-W	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)	6913.00		
		Northing	Easting	Latitude	Longitude
0.00	0.00	1906137.88	2763962.56	36.2384901	-107.6947383

3H



Design: OH (Heros 2308-09L 3H/OH)

Created By: Janie Collins Date: 16:51, June 07 2018

PROJECT DETAILS: San Juan, 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



Scientific Drilling, Intl
Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Heros 2308-09L 3H - Slot 3H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
Site:	Heros 2308-09L	MD Reference:	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
Well:	Heros 2308-09L 3H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

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	Heros 2308-09L				
Site Position:		Northing:	1,906,138.89 usft	Latitude:	36.2384930
From:	Map	Easting:	2,763,932.56 usft	Longitude:	-107.6948400
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.08 °

Well	Heros 2308-09L 3H - Slot 3H				
Well Position	+N/-S	0.00 usft	Northing:	1,906,137.89 usft	Latitude: 36.2384901
	+E/-W	0.00 usft	Easting:	2,763,962.56 usft	Longitude: -107.6947383
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 6,913.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	11/20/2017	8.95	62.85	49,613

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	100.23	

Survey Program	Date	6/7/2018			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
440.00	4,482.00	Survey #1 - Surface MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	
4,529.00	5,896.00	Survey #2 - Curve MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	
6,037.00	10,325.00	Survey #3 - Lateral MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
440.00	0.66	224.72	439.99	-1.80	-1.78	-1.44	0.15	0.15	0.00
First SDI Surface MWD Survey									
532.00	0.14	333.97	531.99	-2.08	-2.21	-1.80	0.78	-0.57	118.75
625.00	0.40	299.50	624.99	-1.81	-2.54	-2.18	0.32	0.28	-37.06
719.00	0.50	324.32	718.98	-1.32	-3.06	-2.78	0.23	0.11	26.40
811.00	0.67	309.52	810.98	-0.65	-3.71	-3.54	0.25	0.18	-16.09
904.00	1.03	311.70	903.97	0.25	-4.76	-4.72	0.39	0.39	2.34
996.00	0.48	161.86	995.97	0.43	-5.25	-5.25	1.59	-0.60	-162.87



Scientific Drilling, Intl
Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Heros 2308-09L 3H - Slot 3H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
Site:	Heros 2308-09L	MD Reference:	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
Well:	Heros 2308-09L 3H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,089.00	0.36	168.84	1,088.96	-0.22	-5.07	-4.95	0.14	-0.13	7.51
1,183.00	1.30	307.40	1,182.96	0.14	-5.86	-5.80	1.69	1.00	147.40
1,275.00	2.33	305.32	1,274.91	1.85	-8.22	-8.42	1.12	1.12	-2.26
1,367.00	3.44	315.47	1,366.79	4.90	-11.68	-12.37	1.32	1.21	11.03
1,460.00	4.90	322.63	1,459.54	10.05	-16.05	-17.58	1.66	1.57	7.70
1,555.00	5.54	316.97	1,554.15	16.62	-21.64	-24.25	0.86	0.67	-5.96
1,649.00	6.88	318.07	1,647.60	24.13	-28.50	-32.33	1.43	1.43	1.17
1,744.00	6.46	311.10	1,741.95	31.87	-36.33	-41.41	0.96	-0.44	-7.34
1,839.00	7.04	318.20	1,836.30	39.73	-44.24	-50.59	1.07	0.61	7.47
1,933.00	6.03	313.55	1,929.69	47.42	-51.66	-59.26	1.21	-1.07	-4.95
2,028.00	7.65	321.18	2,024.01	55.79	-59.24	-68.20	1.95	1.71	8.03
2,122.00	8.06	324.24	2,117.13	66.01	-67.01	-77.67	0.62	0.44	3.26
2,217.00	7.43	324.46	2,211.26	76.41	-74.47	-86.86	0.66	-0.66	0.23
2,311.00	7.72	328.08	2,304.44	86.72	-81.34	-95.45	0.59	0.31	3.85
2,405.00	7.69	322.13	2,397.59	97.04	-88.54	-104.37	0.85	-0.03	-6.33
2,500.00	7.72	321.10	2,491.73	107.03	-96.45	-113.93	0.15	0.03	-1.08
2,595.00	7.50	320.91	2,585.90	116.80	-104.37	-123.45	0.23	-0.23	-0.20
2,690.00	7.12	320.24	2,680.13	126.14	-112.04	-132.66	0.41	-0.40	-0.71
2,785.00	6.56	321.86	2,774.45	134.94	-119.16	-141.23	0.62	-0.59	1.71
2,879.00	7.67	321.27	2,867.72	144.05	-126.40	-149.97	1.18	1.18	-0.63
2,974.00	6.65	318.20	2,961.98	153.10	-134.03	-159.09	1.15	-1.07	-3.23
3,069.00	7.79	322.90	3,056.23	162.34	-141.58	-168.16	1.35	1.20	4.95
3,164.00	6.73	320.60	3,150.46	171.77	-149.00	-177.14	1.16	-1.12	-2.42
3,258.00	7.92	320.46	3,243.70	181.02	-156.62	-186.28	1.27	1.27	-0.15
3,353.00	7.38	312.95	3,337.85	190.23	-165.25	-196.41	1.19	-0.57	-7.91
3,448.00	6.83	310.82	3,432.12	198.08	-173.99	-206.41	0.64	-0.58	-2.24
3,543.00	7.00	323.50	3,526.44	206.42	-181.71	-215.48	1.61	0.18	13.35
3,638.00	8.86	327.42	3,620.53	217.24	-189.10	-224.67	2.04	1.96	4.13
3,732.00	7.44	325.88	3,713.57	228.38	-196.41	-233.85	1.53	-1.51	-1.64
3,827.00	7.04	325.01	3,807.82	238.24	-203.20	-242.28	0.44	-0.42	-0.92
3,922.00	7.71	320.01	3,902.03	247.90	-210.63	-251.31	0.98	0.71	-5.26
4,017.00	6.75	316.72	3,996.27	256.84	-218.55	-260.69	1.10	-1.01	-3.46
4,111.00	7.88	318.11	4,089.51	265.66	-226.64	-270.22	1.22	1.20	1.48
4,206.00	7.25	316.86	4,183.68	274.88	-235.09	-280.17	0.69	-0.66	-1.32
4,293.00	6.52	314.34	4,270.05	282.34	-242.38	-288.67	0.91	-0.84	-2.90
4,388.00	7.00	284.61	4,364.42	287.57	-251.84	-298.91	3.68	0.51	-31.29
4,456.00	3.25	293.42	4,432.14	289.39	-257.62	-304.92	5.62	-5.51	12.96
4,482.00	1.34	286.61	4,458.12	289.77	-258.59	-305.94	7.41	-7.35	-26.19
Last SDI Surface MWD Survey									
4,529.00	1.41	108.23	4,505.11	289.74	-258.56	-305.91	5.85	0.15	-379.53
First SDI Intermediate MWD Survey									
4,577.00	5.22	106.14	4,553.02	288.95	-255.91	-303.15	7.94	7.94	-4.35
4,624.00	9.15	102.52	4,599.64	287.54	-250.20	-297.29	8.41	8.36	-7.70
4,672.00	11.85	102.79	4,646.84	285.63	-241.67	-288.55	5.63	5.63	0.56



Scientific Drilling, Intl
Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Heros 2308-09L 3H - Slot 3H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
Site:	Heros 2308-09L	MD Reference:	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
Well:	Heros 2308-09L 3H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,719.00	14.25	106.04	4,692.62	282.96	-231.40	-277.98	5.34	5.11	6.91
4,766.00	17.10	108.08	4,737.87	279.22	-219.27	-265.37	6.18	6.06	4.34
4,813.00	19.52	109.55	4,782.48	274.44	-205.30	-250.78	5.24	5.15	3.13
4,861.00	22.23	111.20	4,827.33	268.47	-189.27	-233.95	5.78	5.65	3.44
4,908.00	25.76	109.64	4,870.26	261.82	-171.36	-215.14	7.63	7.51	-3.32
4,956.00	29.28	106.04	4,912.83	255.07	-150.25	-193.16	8.11	7.33	-7.50
5,003.00	32.86	101.62	4,953.08	249.33	-126.70	-168.97	9.03	7.62	-9.40
5,050.00	37.11	101.82	4,991.58	243.85	-100.32	-142.04	9.05	9.04	0.43
5,097.00	40.73	103.13	5,028.14	237.46	-71.50	-112.54	7.90	7.70	2.79
5,145.00	44.41	103.58	5,063.49	229.96	-39.91	-80.12	7.69	7.67	0.94
5,192.00	48.96	104.10	5,095.72	221.77	-6.72	-46.00	9.71	9.68	1.11
5,240.00	53.64	104.19	5,125.72	212.62	29.59	-8.64	9.75	9.75	0.19
5,287.00	60.13	104.54	5,151.39	202.86	67.71	30.60	13.82	13.81	0.74
5,335.00	63.58	105.00	5,174.03	192.06	108.63	72.79	7.24	7.19	0.96
5,382.00	66.90	105.34	5,193.71	180.90	149.81	115.30	7.09	7.06	0.72
5,430.00	69.29	105.16	5,211.61	169.18	192.78	159.66	4.99	4.98	-0.38
5,477.00	73.14	104.46	5,226.75	157.81	235.79	204.01	8.31	8.19	-1.49
5,525.00	76.39	104.70	5,239.36	146.16	280.60	250.18	6.79	6.77	0.50
5,572.00	80.64	104.01	5,248.71	134.74	325.21	296.11	9.16	9.04	-1.47
5,619.00	83.51	103.89	5,255.19	123.52	370.39	342.56	6.11	6.11	-0.26
5,666.00	86.17	103.22	5,259.42	112.55	415.89	389.29	5.83	5.66	-1.43
5,714.00	86.90	103.56	5,262.32	101.46	462.50	437.13	1.68	1.52	0.71
5,761.00	88.29	103.39	5,264.29	90.51	508.16	484.01	2.98	2.96	-0.36
5,809.00	89.40	102.99	5,265.26	79.56	554.89	531.93	2.46	2.31	-0.83
5,896.00	90.94	103.59	5,265.00	59.57	639.55	618.81	1.90	1.77	0.69
Last SDI Intermediate MWD Survey									
6,037.00	91.65	103.03	5,261.82	27.11	776.73	759.56	0.64	0.50	-0.40
First SDI Lateral MWD Survey									
6,129.00	90.47	102.55	5,260.11	6.75	866.43	851.46	1.38	-1.28	-0.52
6,222.00	90.47	103.27	5,259.35	-14.03	957.07	944.35	0.77	0.00	0.77
6,316.00	89.03	103.68	5,259.76	-35.93	1,048.48	1,038.20	1.59	-1.53	0.44
6,408.00	89.23	102.91	5,261.16	-57.08	1,138.01	1,130.05	0.86	0.22	-0.84
6,500.00	89.19	102.81	5,262.43	-77.56	1,227.69	1,221.95	0.12	-0.04	-0.11
6,593.00	90.54	102.23	5,262.65	-97.72	1,318.48	1,314.87	1.58	1.45	-0.62
6,688.00	91.38	102.19	5,261.05	-117.81	1,411.31	1,409.80	0.89	0.88	-0.04
6,782.00	90.40	101.56	5,259.59	-137.15	1,503.29	1,503.75	1.24	-1.04	-0.67
6,877.00	89.43	101.49	5,259.74	-156.13	1,596.37	1,598.72	1.02	-1.02	-0.07
6,971.00	89.53	100.54	5,260.59	-174.09	1,688.63	1,692.71	1.02	0.11	-1.01
7,066.00	90.27	101.72	5,260.75	-192.43	1,781.85	1,787.69	1.47	0.78	1.24
7,160.00	89.87	103.27	5,260.64	-212.76	1,873.62	1,881.62	1.70	-0.43	1.65
7,255.00	89.16	102.38	5,261.44	-233.85	1,966.24	1,976.51	1.20	-0.75	-0.94
7,349.00	90.10	102.82	5,262.05	-254.35	2,057.97	2,070.43	1.10	1.00	0.47
7,444.00	89.80	102.59	5,262.13	-275.25	2,150.65	2,165.34	0.40	-0.32	-0.24



Scientific Drilling, Intl
Survey Report



Company:	Logos Operating LLC	Local Co-ordinate Reference:	Well Heros 2308-09L 3H - Slot 3H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
Site:	Heros 2308-09L	MD Reference:	GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
Well:	Heros 2308-09L 3H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,539.00	89.63	101.66	5,262.61	-295.20	2,243.53	2,260.29	1.00	-0.18	-0.98	
7,633.00	89.83	100.84	5,263.05	-313.54	2,335.72	2,354.27	0.90	0.21	-0.87	
7,728.00	90.03	99.81	5,263.17	-330.57	2,429.18	2,449.27	1.10	0.21	-1.08	
7,823.00	89.03	100.29	5,263.94	-347.14	2,522.72	2,544.26	1.17	-1.05	0.51	
7,918.00	90.17	100.58	5,264.61	-364.35	2,616.14	2,639.26	1.24	1.20	0.31	
8,013.00	90.74	101.05	5,263.85	-382.17	2,709.45	2,734.25	0.78	0.60	0.49	
8,108.00	91.21	103.42	5,262.24	-402.30	2,802.27	2,829.17	2.54	0.49	2.49	
8,202.00	89.09	103.04	5,261.99	-423.81	2,893.77	2,923.04	2.29	-2.26	-0.40	
8,297.00	89.36	101.49	5,263.28	-443.99	2,986.59	3,017.97	1.66	0.28	-1.63	
8,392.00	89.66	103.92	5,264.09	-464.88	3,079.26	3,112.87	2.58	0.32	2.56	
8,487.00	89.03	101.88	5,265.17	-486.09	3,171.85	3,207.75	2.25	-0.66	-2.15	
8,582.00	90.31	103.05	5,265.72	-506.59	3,264.60	3,302.67	1.83	1.35	1.23	
8,677.00	89.77	102.05	5,265.66	-527.24	3,357.33	3,397.60	1.20	-0.57	-1.05	
8,771.00	89.50	101.96	5,266.25	-546.79	3,449.27	3,491.55	0.30	-0.29	-0.10	
8,866.00	90.81	103.64	5,266.00	-567.83	3,541.91	3,586.45	2.24	1.38	1.77	
8,961.00	89.73	102.85	5,265.55	-589.60	3,634.38	3,681.31	1.41	-1.14	-0.83	
9,056.00	90.91	102.63	5,265.02	-610.55	3,727.03	3,776.22	1.26	1.24	-0.23	
9,151.00	89.06	100.92	5,265.04	-629.93	3,820.03	3,871.18	2.65	-1.95	-1.80	
9,245.00	91.95	102.93	5,264.22	-649.35	3,911.98	3,965.12	3.74	3.07	2.14	
9,340.00	92.25	104.53	5,260.73	-671.88	4,004.20	4,059.87	1.71	0.32	1.68	
9,434.00	89.40	105.12	5,259.38	-695.93	4,095.05	4,153.55	3.10	-3.03	0.63	
9,529.00	89.63	104.53	5,260.18	-720.24	4,186.89	4,248.24	0.67	0.24	-0.62	
9,623.00	89.03	102.96	5,261.28	-742.57	4,278.19	4,342.05	1.79	-0.64	-1.67	
9,718.00	90.47	102.66	5,261.70	-763.63	4,370.82	4,436.95	1.55	1.52	-0.32	
9,813.00	89.19	101.87	5,261.98	-783.81	4,463.65	4,531.89	1.58	-1.35	-0.83	
9,907.00	89.80	101.68	5,262.81	-802.99	4,555.66	4,625.85	0.68	0.65	-0.20	
10,002.00	90.94	103.27	5,262.20	-823.51	4,648.41	4,720.77	2.06	1.20	1.67	
10,097.00	89.50	103.47	5,261.83	-845.48	4,740.84	4,815.63	1.53	-1.52	0.21	
10,192.00	89.93	104.35	5,262.30	-868.32	4,833.05	4,910.43	1.03	0.45	0.93	
10,288.00	89.70	104.62	5,262.55	-887.33	4,906.63	4,986.22	0.47	-0.30	0.36	
Last SDI Lateral MWD Survey										
10,325.00	89.70	104.62	5,262.85	-901.71	4,961.79	5,043.05	0.00	0.00	0.00	
Projection to TD										



Scientific Drilling, Intl
Survey Report



Company: Logos Operating LLC
Project: San Juan, NM NAD83
Site: Heros 2308-09L
Well: Heros 2308-09L 3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Heros 2308-09L 3H - Slot 3H
TVD Reference: GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
MD Reference: GL 6913' & RKB 25' @ 6938.00usft (Aztec 1000)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Grand Junction District

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
440.00	439.99	-1.80	-1.78	First SDI Surface MWD Survey
4,482.00	4,458.12	289.77	-258.59	Last SDI Surface MWD Survey
4,529.00	4,505.11	289.74	-258.56	First SDI Intermediate MWD Survey
5,896.00	5,265.00	59.57	639.55	Last SDI Intermediate MWD Survey
6,037.00	5,261.82	27.11	776.73	First SDI Lateral MWD Survey
10,268.00	5,262.55	-887.33	4,906.63	Last SDI Lateral MWD Survey
10,325.00	5,262.85	-901.71	4,961.79	Projection to TD

Checked By: _____ Approved By: _____ Date: _____