

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

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address DJR Operating, LLC 1 Road 3263 Aztec, NM 87410		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30-045-38216	⁵ Pool Name Alamito N; Mancos (Oil)		⁶ Pool Code 98174
⁷ Property Code 325267	⁸ Property Name North Alamito Unit		⁹ Well Number 502H

II. ¹⁰ Surface Location

Ul or lot no. E	Section 01	Township 22N	Range 08W	Lot Idn	Feet from the 2492'	North/South Line North	Feet from the 567'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. E	Section 07	Township 22N	Range 07W	Lot Idn	Feet from the 2299'	North/South line North	Feet from the 1338'	East/West line West	County Sandoval
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date TBD		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
248440	Western Refining Company, LP	O
	6500 Townbridge Drive, El Paso, TX 79905	
151618	Enterprise Field Services, LLC	G
	Post Office Box 4503, Houston, TX 77001	
	~Gas will be flared during flowback & until N2 & O2 is cleaned from the wellbore~	

IV. Well Completion Data

²¹ Spud Date 06/01/21	²² Ready Date 04/28/22	²³ TD 13,440' MD 4,873' TVD	²⁴ PBDT 13,421' MD 4,873' TVD	²⁵ Perforations 5,624'- 13,366' MD 4,906'- 4,873' TVD Frac Sleeve @ 13,394'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
12.25		9.625" 36# J55		372'		109
8.75		7" 26# J55		5,364'		620
6.125		4.5" 11.6# P110		TOL: 5,095' BOL: 13,435'		708

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
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: <i>Shaw-Marie Ford</i>			OIL CONSERVATION DIVISION		
Printed name: Shaw-Marie Ford			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Regulatory Specialist			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: sford@djrlle.com			Approval Date: <i>4/8/2022</i>		
Date: 03/21/22		Phone: 505-716-3297	<i>RT EXPIRES 7/8/2022</i>		

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 748-0720

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ ASDRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38216	² Pool Code 98174	³ Pool Name NORTH ALAMITO UNIT MANCOS OIL POOL
⁴ Property Code 325267	⁵ Property Name NORTH ALAMITO UNIT	⁶ Well Number 502H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6900'

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
E	1	22N	8W		2492'	NORTH	567'	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
E	7	22N	7W		2299'	NORTH	1338'	WEST	SANDOVAL

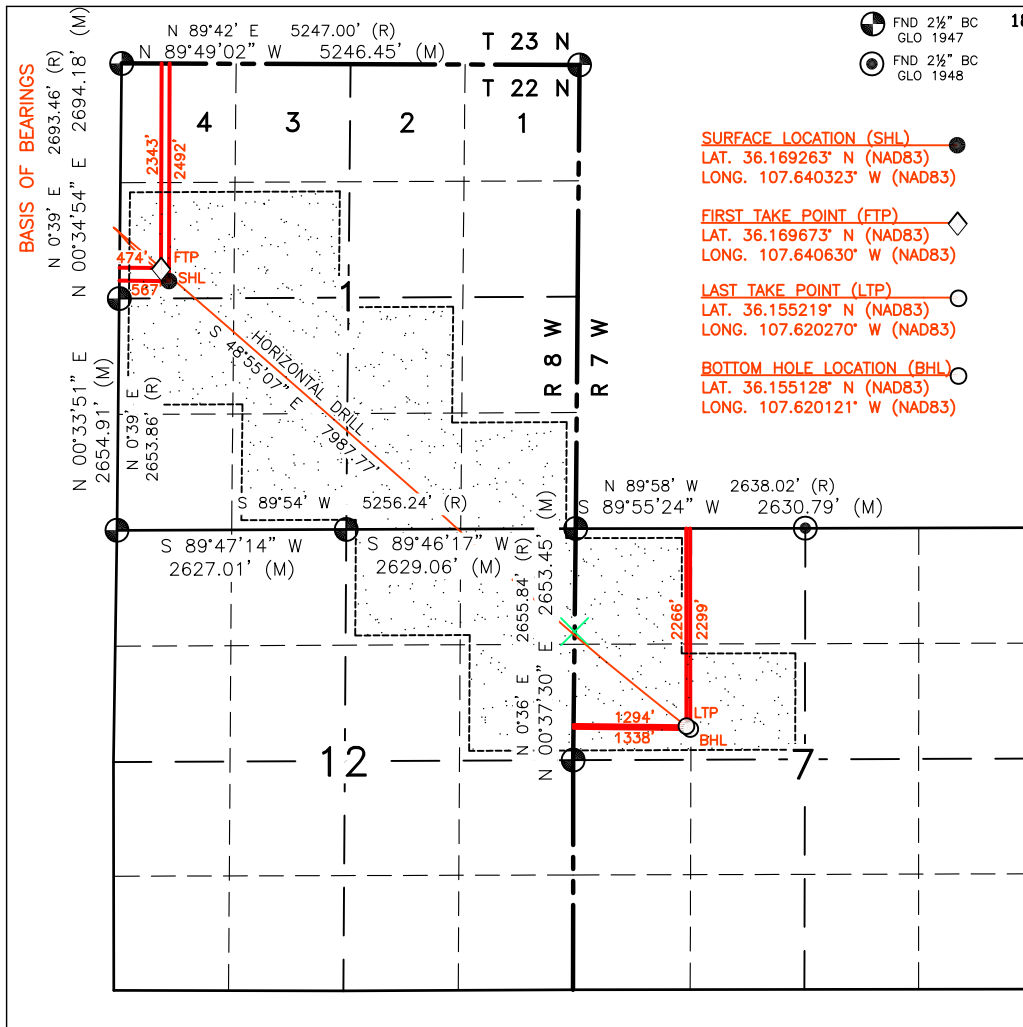
¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 1: SW/NW, SE/NW, NW/SW, NE/SW, SE/SW,
NW/SE, SW/SE, SE/SE (320 AC.); SEC 12: NW/NE,
NE/NE, SE/NE (120 AC.); SEC. 7: NW/NW, SW/NW,
SE/NW (121.66 AC.) = 561.66 ACRES TOTAL

¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

R-14081 R-14067A

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

16



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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Shaw-Marie Ford 03/21/22
Signature Date

Shaw-Marie Ford
Printed Name

sford@djrlc.com
E-mail Address

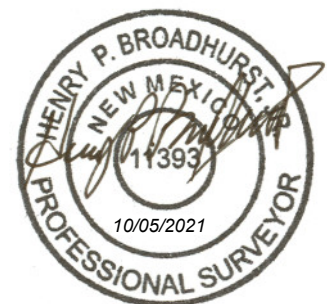
SURVEYOR CERTIFICATION

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.

OCTOBER 5, 2021

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393

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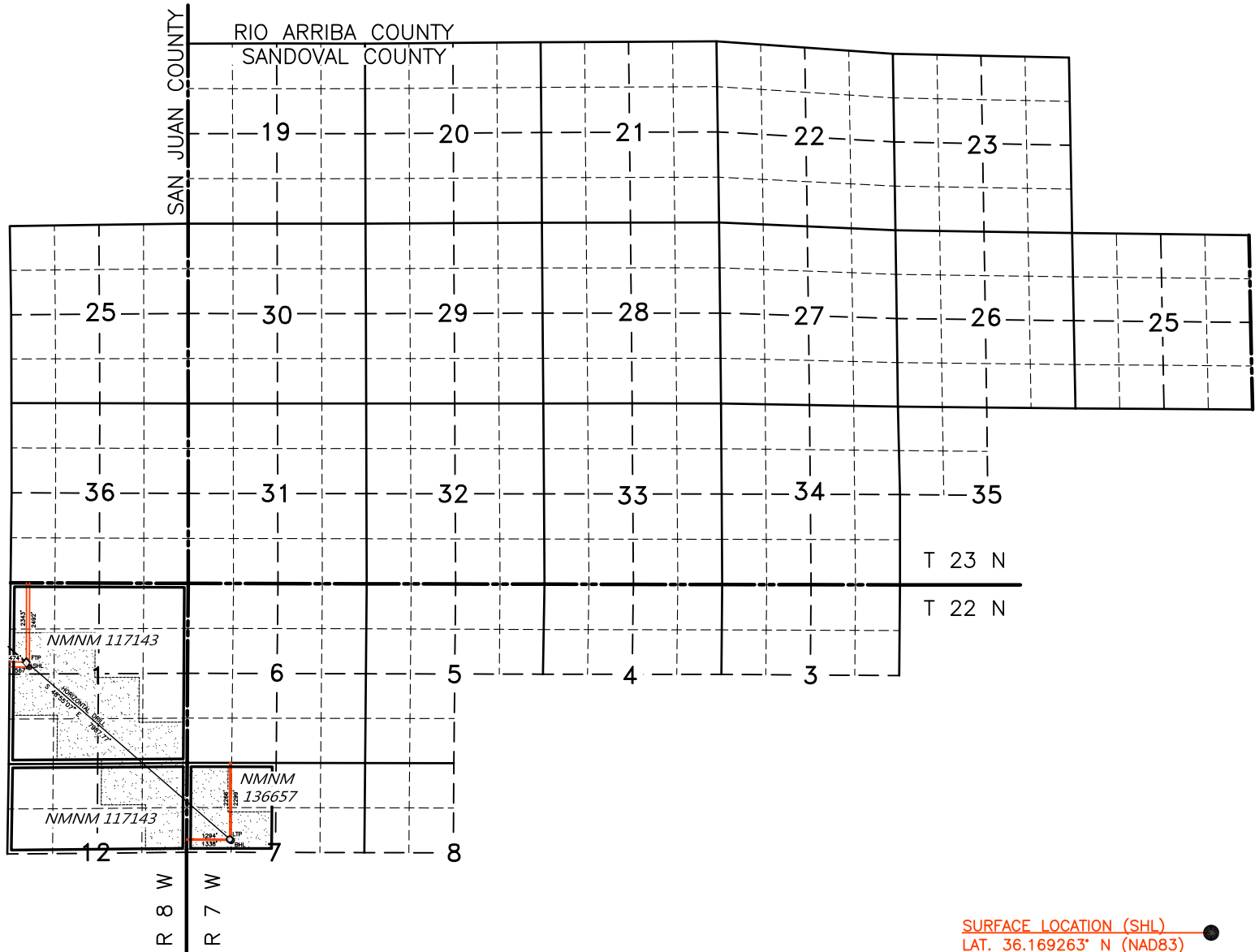
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☐ AMENDED REPORT
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DJR OPERATING, LLC
NORTH ALAMITO UNIT #502H



SURFACE LOCATION (SHL) ●
LAT. 36.169263° N (NAD83)
LONG. 107.640323° W (NAD83)

FIRST TAKE POINT (FTP) ◇
LAT. 36.169673° N (NAD83)
LONG. 107.640630° W (NAD83)

LAST TAKE POINT (LTP) ○
LAT. 36.155219° N (NAD83)
LONG. 107.620270° W (NAD83)

BOTTOM HOLE LOCATION (BHL) ○
LAT. 36.155128° N (NAD83)
LONG. 107.620121° W (NAD83)

PENETRATED SPACING UNIT;

SEC 1: SW/NW, SE/NW, NW/SW, NE/SW, SE/SW, NW/SE, SW/SE, SE/SE (320 AC.); SEC 12: NW/NE, NE/NE, SE/NE (120 AC.); SEC. 7: NW/NW, SW/NW, SE/NW (121.66 AC.) = 561.66 ACRES TOTAL
TOTAL 14,262.78 ACRES: T23N R7W SEC. 19-23, 25, 26-34 (ALL); 35 (NW/4); T22N R7W SEC. 3 & 4 (N/2); 5 (N/2, SW/4); 6 (ALL); 7 (N/2); 8 (NW/4); T23N R8W SEC. 25, 36 (ALL); T22N R8W SEC. 1 (ALL); SEC. 12



DJR

North Alamito Unit

E01 2208 Pad

#502H

End of Well Report



Scientific Drilling

www.scientificdrilling.com





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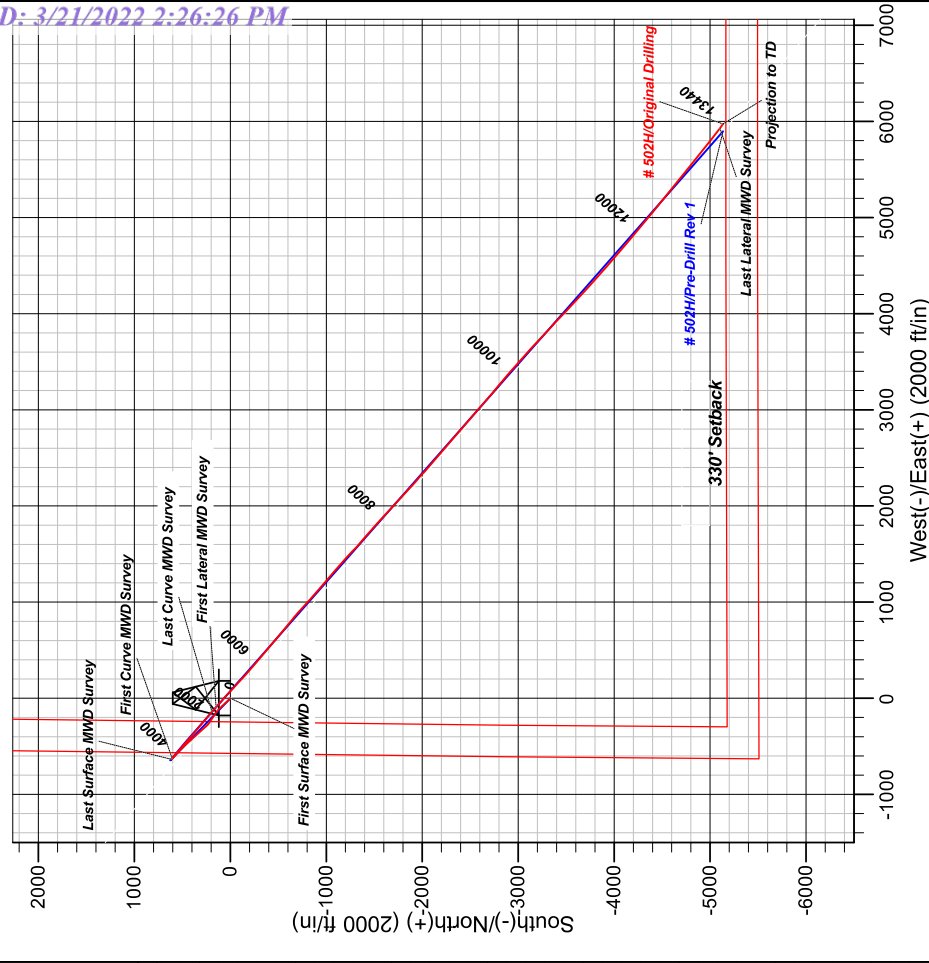
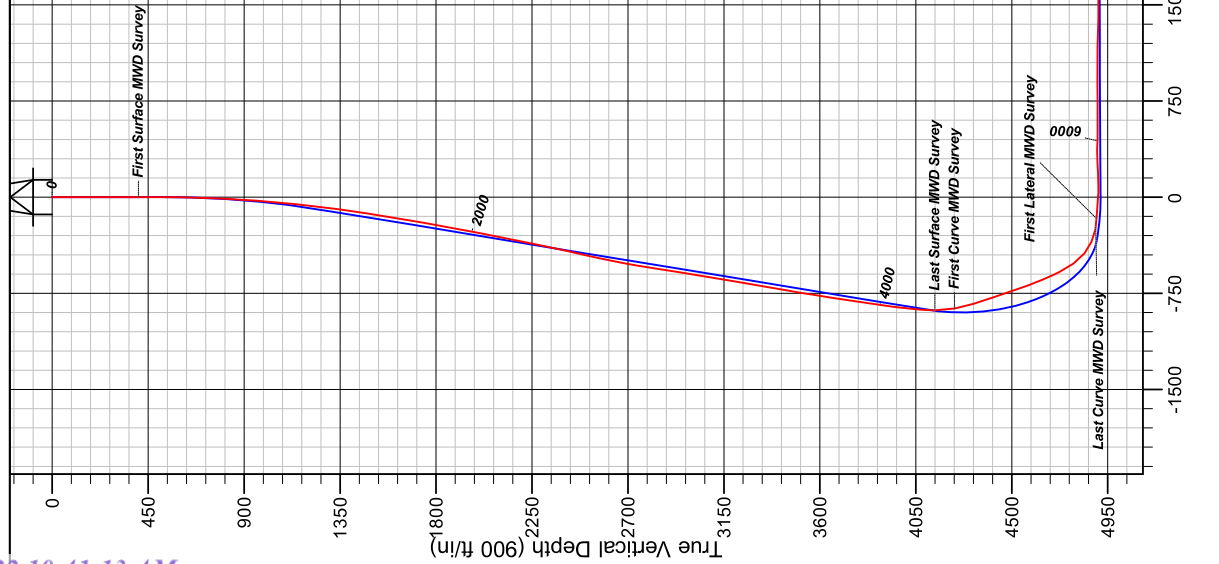


Company Name: DJR Operating
Project: North Alamito Unit
Site: E01 2208
Well: # 502H
Wellbore: Original Drilling



WELL DETAILS: # 502H

GL 6900' & RKB 25' @ 6925ft (Aztec 1000) 6900				2	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0	0	1880965.23	2780059.47	36.16926300	-107.64032300



Design: Original Drilling (# 502H/Original Drilling)

Created By: Janie Collins Date: 12:05, September 23 2021

PROJECT DETAILS: North Alamito Unit

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



DJR Operating

North Alamito Unit

E01 2208

502H - Slot 2

Original Drilling

Design: Original Drilling

Standard Survey Report

23 September, 2021



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 502H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Site:	E01 2208	MD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Well:	# 502H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Project	North Alamito Unit		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	E01 2208				
Site Position:		Northing:	1,880,971.09 usft	Latitude:	36.16927900
From:	Lat/Long	Easting:	2,780,078.94 usft	Longitude:	-107.64025700
Position Uncertainty:	0 ft	Slot Radius:	13.20 in	Grid Convergence:	0.11 °

Well		# 502H - Slot 2				
Well Position	+N/-S	0 ft	Northing:	1,880,965.23 usft	Latitude:	36.16926300
	+E/-W	0 ft	Easting:	2,780,059.48 usft	Longitude:	-107.64032300
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6900 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	9/6/2021	8.57	62.68	49,122.00000000
	HDGM2021_FILE	9/16/2021	8.55	62.68	49,119.30000000

Design	Original Drilling				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0	0	0	131.05	

Survey Program		Date	9/23/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
404	4260	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4354	5328	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5393	13,440	Survey #3 - Lateral MWD Survey (Original)	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 (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0	0.00	0.00	0	0	0	0	0.00	0.00	0.00	
404	0.00	0.00	404	0	0	0	0.00	0.00	0.00	
448	0.76	227.32	448	0	0	0	1.73	1.73	0.00	
509	0.72	224.55	509	-1	-1	0	0.09	-0.07	-4.54	
600	1.65	298.13	600	-1	-2	-1	1.76	1.02	80.86	
691	2.95	321.41	691	2	-5	-5	1.73	1.43	25.58	
781	4.03	322.12	781	6	-8	-10	1.20	1.20	0.79	
872	5.85	322.12	871	12	-13	-18	2.00	2.00	0.00	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 502H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Site:	E01 2208	MD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Well:	# 502H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
963	7.12	317.12	962	20	-20	-28	1.53	1.40	-5.49
1055	8.77	315.63	1053	29	-29	-41	1.81	1.79	-1.62
1145	10.19	320.02	1142	40	-39	-56	1.77	1.58	4.88
1237	11.53	317.31	1232	53	-50	-73	1.56	1.46	-2.95
1327	11.44	315.25	1320	66	-62	-91	0.47	-0.10	-2.29
1418	13.56	318.43	1409	81	-76	-110	2.45	2.33	3.49
1509	14.89	316.46	1497	97	-91	-132	1.56	1.46	-2.16
1600	15.55	315.47	1585	114	-108	-156	0.78	0.73	-1.09
1690	15.99	310.56	1672	131	-125	-181	1.56	0.49	-5.46
1781	16.87	309.07	1759	147	-145	-206	1.07	0.97	-1.64
1871	17.07	305.81	1845	163	-166	-233	1.08	0.22	-3.62
1967	16.97	302.48	1937	179	-189	-260	1.02	-0.10	-3.47
2062	17.58	298.69	2028	194	-214	-288	1.35	0.64	-3.99
2156	18.91	304.83	2117	209	-239	-317	2.48	1.41	6.53
2251	19.09	310.17	2207	228	-263	-348	1.84	0.19	5.62
2345	19.35	313.11	2295	248	-286	-379	1.07	0.28	3.13
2440	19.71	318.91	2385	271	-308	-411	2.08	0.38	6.11
2535	20.92	317.82	2474	296	-330	-443	1.33	1.27	-1.15
2630	19.78	320.60	2563	321	-352	-476	1.57	-1.20	2.93
2724	18.39	320.87	2652	345	-371	-506	1.48	-1.48	0.29
2820	15.36	318.17	2744	366	-389	-534	3.26	-3.16	-2.81
2914	15.06	317.24	2835	384	-406	-558	0.41	-0.32	-0.99
3009	15.52	316.62	2926	402	-423	-583	0.51	0.48	-0.65
3104	15.08	317.14	3018	421	-440	-608	0.49	-0.46	0.55
3199	15.36	316.52	3110	439	-457	-633	0.34	0.29	-0.65
3294	15.38	316.21	3201	457	-474	-658	0.09	0.02	-0.33
3388	15.91	316.70	3292	476	-492	-683	0.58	0.56	0.52
3483	16.03	316.54	3383	495	-510	-709	0.13	0.13	-0.17
3577	16.32	317.22	3473	514	-528	-735	0.37	0.31	0.72
3672	15.09	315.84	3565	532	-545	-761	1.35	-1.29	-1.45
3767	14.11	314.86	3657	549	-562	-785	1.06	-1.03	-1.03
3862	14.56	313.42	3749	566	-579	-808	0.60	0.47	-1.52
3956	13.43	312.18	3840	581	-596	-831	1.24	-1.20	-1.32
4051	12.05	310.40	3933	595	-612	-852	1.51	-1.45	-1.87
4165	10.49	306.10	4044	609	-629	-874	1.55	-1.37	-3.77
4260	0.67	83.90	4139	614	-635	-882	11.57	-10.34	145.05
4354	15.47	128.69	4232	606	-625	-870	15.96	15.74	47.65
4449	29.68	128.63	4319	583	-597	-833	14.96	14.96	-0.06
4544	28.83	131.02	4402	554	-561	-787	1.52	-0.89	2.52
4639	26.91	129.66	4486	525	-527	-742	2.13	-2.02	-1.43
4733	32.75	130.46	4568	495	-491	-696	6.23	6.21	0.85
4828	35.30	132.38	4646	460	-452	-642	2.91	2.68	2.02
4923	39.43	130.66	4722	422	-408	-585	4.48	4.35	-1.81



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 502H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Site:	E01 2208	MD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Well:	# 502H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5018	49.77	132.28	4789	377	-359	-518	10.95	10.88	1.71
5113	64.23	128.72	4841	326	-298	-439	15.54	15.22	-3.75
5208	74.98	129.37	4874	270	-229	-350	11.33	11.32	0.68
5302	83.57	130.53	4891	211	-158	-258	9.22	9.14	1.23
5328	86.47	132.97	4894	193	-139	-232	14.55	11.15	9.38
5393	87.14	132.63	4897	149	-91	-167	1.16	1.03	-0.52
5456	86.98	131.99	4901	107	-45	-104	1.05	-0.25	-1.02
5551	88.12	132.42	4905	43	26	-9	1.28	1.20	0.45
5644	89.77	132.34	4906	-19	94	84	1.78	1.77	-0.09
5739	91.81	132.88	4905	-84	164	179	2.22	2.15	0.57
5833	92.02	132.02	4902	-147	233	273	0.94	0.22	-0.91
5927	89.09	130.56	4901	-209	304	367	3.48	-3.12	-1.55
6022	89.43	130.96	4902	-271	376	462	0.55	0.36	0.42
6116	90.03	130.83	4903	-333	447	556	0.65	0.64	-0.14
6211	90.27	130.64	4902	-395	519	651	0.32	0.25	-0.20
6304	90.20	129.46	4902	-455	590	744	1.27	-0.08	-1.27
6398	89.97	129.68	4902	-514	663	838	0.34	-0.24	0.23
6493	90.24	129.95	4902	-575	736	933	0.40	0.28	0.28
6587	90.34	129.12	4901	-635	808	1027	0.89	0.11	-0.88
6682	88.93	131.89	4902	-697	880	1122	3.27	-1.48	2.92
6776	89.09	132.25	4903	-760	950	1216	0.42	0.17	0.38
6869	89.26	131.71	4905	-822	1019	1308	0.61	0.18	-0.58
6963	89.76	131.60	4906	-884	1089	1402	0.54	0.53	-0.12
7058	90.13	131.01	4906	-947	1161	1497	0.73	0.39	-0.62
7152	89.36	129.73	4906	-1008	1232	1591	1.59	-0.82	-1.36
7246	90.10	130.27	4907	-1068	1304	1685	0.97	0.79	0.57
7340	90.07	131.98	4906	-1130	1375	1779	1.82	-0.03	1.82
7434	90.57	132.14	4906	-1193	1445	1873	0.56	0.53	0.17
7528	90.57	134.21	4905	-1258	1514	1967	2.20	0.00	2.20
7623	89.66	132.08	4905	-1323	1583	2062	2.44	-0.96	-2.24
7717	89.16	131.13	4906	-1385	1653	2156	1.14	-0.53	-1.01
7812	89.90	130.73	4907	-1447	1725	2251	0.89	0.78	-0.42
7906	90.03	131.30	4907	-1509	1796	2345	0.62	0.14	0.61
8001	89.73	132.03	4907	-1572	1867	2440	0.83	-0.32	0.77
8095	91.18	133.85	4906	-1636	1936	2534	2.48	1.54	1.94
8190	89.46	132.70	4905	-1701	2005	2629	2.18	-1.81	-1.21
8284	89.76	132.85	4906	-1765	2074	2723	0.36	0.32	0.16
8378	89.70	132.44	4907	-1829	2143	2817	0.44	-0.06	-0.44
8473	89.56	131.99	4907	-1893	2213	2912	0.50	-0.15	-0.47
8563	89.09	130.91	4908	-1952	2281	3002	1.31	-0.52	-1.20
8653	91.54	133.01	4908	-2012	2348	3092	3.59	2.72	2.33
8743	90.34	131.45	4906	-2073	2414	3182	2.19	-1.33	-1.73
8834	89.16	129.95	4907	-2132	2483	3273	2.10	-1.30	-1.65
8924	91.48	130.92	4906	-2190	2552	3363	2.79	2.58	1.08



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 502H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Site:	E01 2208	MD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Well:	# 502H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9015	92.58	130.94	4903	-2250	2621	3454	1.21	1.21	0.02
9105	92.38	130.42	4899	-2309	2689	3544	0.62	-0.22	-0.58
9195	91.64	131.34	4896	-2367	2757	3634	1.31	-0.82	1.02
9286	90.40	130.95	4894	-2427	2825	3725	1.43	-1.36	-0.43
9378	90.94	131.27	4893	-2488	2895	3817	0.68	0.59	0.35
9468	90.37	130.85	4892	-2547	2962	3907	0.79	-0.63	-0.47
9559	90.24	130.53	4892	-2606	3031	3998	0.38	-0.14	-0.35
9651	90.50	130.15	4891	-2666	3102	4090	0.50	0.28	-0.41
9741	91.34	130.87	4890	-2724	3170	4180	1.23	0.93	0.80
9832	91.11	130.09	4888	-2783	3239	4271	0.89	-0.25	-0.86
9923	91.48	129.96	4886	-2842	3309	4362	0.43	0.41	-0.14
10,013	90.87	131.11	4884	-2900	3377	4452	1.45	-0.68	1.28
10,103	90.77	130.86	4883	-2959	3445	4542	0.30	-0.11	-0.28
10,193	89.90	132.35	4882	-3019	3512	4632	1.92	-0.97	1.66
10,285	88.39	132.09	4883	-3081	3581	4724	1.67	-1.64	-0.28
10,377	88.35	132.36	4886	-3143	3649	4815	0.30	-0.04	0.29
10,468	92.08	133.69	4886	-3205	3715	4906	4.35	4.10	1.46
10,559	90.34	133.50	4884	-3268	3781	4997	1.92	-1.91	-0.21
10,650	89.76	132.33	4884	-3330	3848	5088	1.44	-0.64	-1.29
10,741	90.57	132.71	4883	-3391	3915	5179	0.98	0.89	0.42
10,832	89.53	133.17	4883	-3453	3981	5270	1.25	-1.14	0.51
10,922	89.76	133.51	4884	-3515	4047	5360	0.46	0.26	0.38
11,014	90.91	134.10	4883	-3578	4113	5452	1.40	1.25	0.64
11,104	89.93	132.41	4883	-3640	4179	5542	2.17	-1.09	-1.88
11,195	88.56	132.66	4884	-3702	4246	5633	1.53	-1.51	0.27
11,286	88.29	132.09	4886	-3763	4313	5724	0.69	-0.30	-0.63
11,378	88.32	131.82	4889	-3824	4381	5816	0.30	0.03	-0.29
11,469	88.56	131.45	4892	-3885	4449	5907	0.48	0.26	-0.41
11,560	90.64	131.45	4892	-3945	4518	5998	2.29	2.29	0.00
11,651	90.50	130.64	4891	-4005	4586	6089	0.90	-0.15	-0.89
11,742	91.21	131.00	4890	-4064	4655	6180	0.87	0.78	0.40
11,833	91.48	130.49	4888	-4124	4724	6271	0.63	0.30	-0.56
11,923	90.50	129.87	4886	-4182	4793	6361	1.29	-1.09	-0.69
12,015	90.94	129.52	4885	-4241	4864	6453	0.61	0.48	-0.38
12,107	91.51	129.32	4883	-4299	4935	6545	0.66	0.62	-0.22
12,198	91.75	128.83	4881	-4356	5005	6635	0.60	0.26	-0.54
12,289	90.40	129.82	4879	-4414	5076	6726	1.84	-1.48	1.09
12,380	89.26	129.12	4879	-4472	5146	6817	1.47	-1.25	-0.77
12,471	89.87	130.29	4880	-4530	5216	6908	1.45	0.67	1.29
12,561	90.03	129.51	4880	-4588	5285	6998	0.88	0.18	-0.87
12,653	90.91	129.38	4879	-4646	5356	7090	0.97	0.96	-0.14
12,743	91.01	129.16	4878	-4703	5426	7180	0.27	0.11	-0.24
12,834	91.14	128.33	4876	-4760	5497	7271	0.92	0.14	-0.91



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 502H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Site:	E01 2208	MD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Well:	# 502H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,926	90.94	128.50	4874	-4817	5569	7363	0.29	-0.22	0.18	
13,018	89.97	129.23	4873	-4875	5640	7455	1.32	-1.05	0.79	
13,109	90.10	128.64	4873	-4932	5711	7546	0.66	0.14	-0.65	
13,200	90.27	128.09	4873	-4989	5782	7637	0.63	0.19	-0.60	
13,291	89.66	126.93	4873	-5044	5855	7728	1.44	-0.67	-1.27	
13,385	89.73	126.42	4874	-5100	5930	7821	0.55	0.07	-0.54	
13,440	89.73	126.42	4874	-5133	5974	7876	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
404	404	0	0	First Surface MWD Survey	
4260	4139	614	-635	Last Surface MWD Survey	
4354	4232	606	-625	First Curve MWD Survey	
5328	4894	193	-139	Last Curve MWD Survey	
5393	4897	149	-91	First Lateral MWD Survey	
13,385	4874	-5100	5930	Last Lateral MWD Survey	
13,440	4874	-5133	5974	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

**Directional Survey Certification**

7237 Barton Drive
Casper, WY 82604
(307) 472-6621

Operator	DJR Energy
Well Name & No.	North Alamito Unit E01 2208 502H
County & State	San Juan, NM
SDI Job No.	OP.03061
Rig	Aztec 1000

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 404 feet to a measured depth of 13,440 feet is true and correct as determined from all available records.

A handwritten signature in blue ink, appearing to read 'Janie Collins', written over a horizontal line.

Signature

23-Sep-21

Date

Janie Collins
Contract Well Planner
Scientific Drilling International

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 91717

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 91717
	Action Type: [C-104] Completion Packet (C-104C)

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.

District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 91717

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 91717
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/8/2022.	4/8/2022