

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 NW	
⁴ API Number 30-045-38214	⁵ Pool Name Alamito N; Mancos (Oil)		⁶ Pool Code 98174
⁷ Property Code 325267	⁸ Property Name North Alamito Unit		⁹ Well Number 407H

II. ¹⁰ Surface Location

Ul or lot no. I	Section 1	Township 22N	Range 8W	Lot Idn	Feet from the 2047'	North/South Line South	Feet from the 497'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. D	Section 1	Township 22N	Range 8W	Lot Idn	Feet from the 706'	North/South line North	Feet from the 370'	East/West line West	County San Juan
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 12/16/21		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	

IV. Well Completion Data

²¹ Spud Date 06/03/21	²² Ready Date 12/02/21	²³ TD 10,650' MD 4,940' TVD	²⁴ PBTD 10,630 MD 4,940' TVD	²⁵ Perforations 5,603'-10,580' MD 4,924'- 4,942' TVD Frac Sleeve @ 10,603'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
12.25		9.625" 36# J55		353'		109
8.75		7" 26# J55		5,449'		633
6.125		4.5" 11.6# P110		TOL: 5,150' BOL: 10,644'		464
		2.875" 6.5# L80 Tubing		5381'		

V. Well Test Data

³¹ Date New Oil 12/3/21	³² Gas Delivery Date 12/16/21	³³ Test Date 12/5/21	³⁴ Test Length 24	³⁵ Tbg. Pressure 620	³⁶ Csg. Pressure 986
³⁷ Choke Size 40/64	³⁸ Oil 408	³⁹ Water 614	⁴⁰ Gas 1813		⁴¹ Test Method F
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <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>9/15/2022</i>		
Date: 12/28/21		Phone: 505-716-3297			

DISTRICT I

1625 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., 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
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38214	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 #407H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6917'

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
I	1	22N	8W		2047'	SOUTH	497'	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
D	1	22N	8W		706'	NORTH	370'	WEST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 1: SE/4, SW/NE, NE/SW, NW/4 =
401.80 ACRES

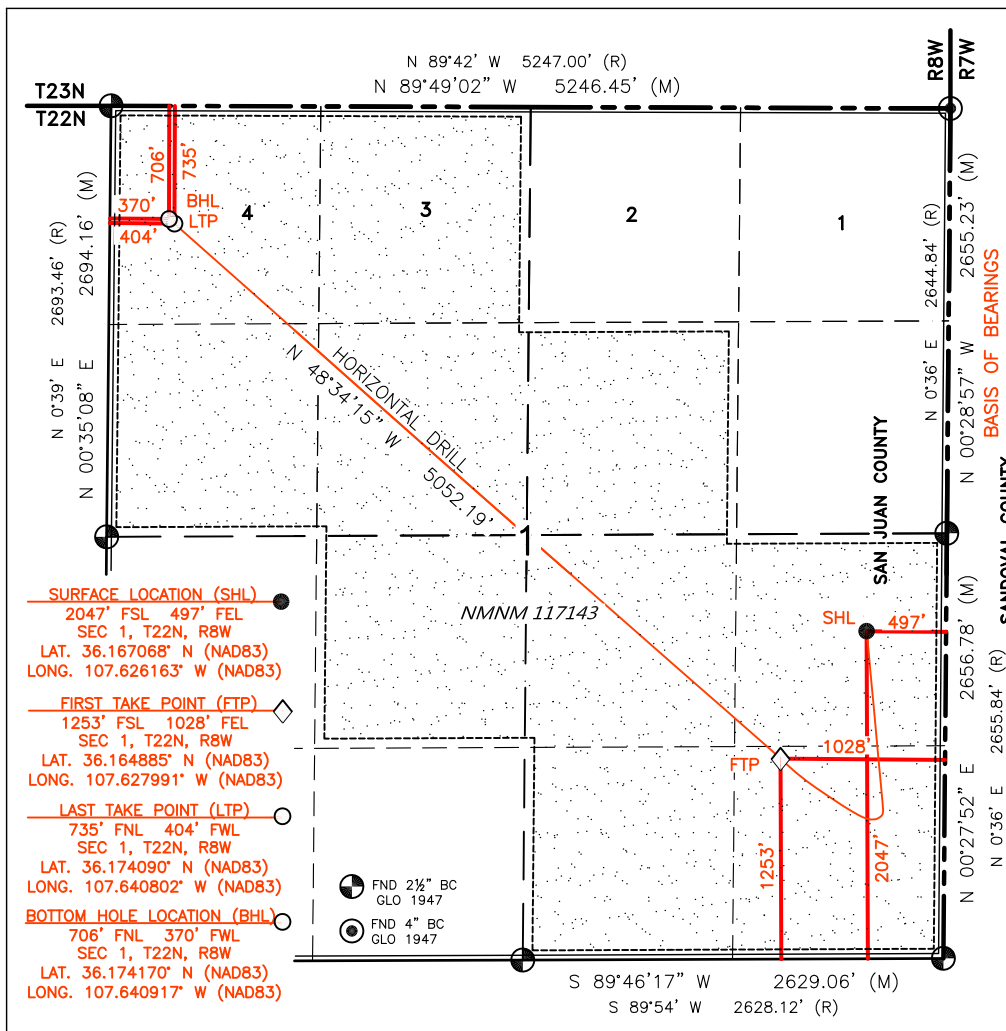
¹³ Joint or Infill

¹⁴ Consolidation Code

¹⁵ Order No.
R-14081 R-14081A

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 12/21/21
Signature Date

Shaw-Marie Ford

Printed Name

sford@djrlc.com

E-mail Address

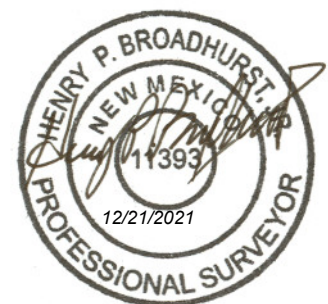
SURVEYOR CERTIFICATION

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 25, 2021

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393



DJR Operating

North Alamito Unit

I01 2208

407H - Slot 4

Original Drilling

Design: Original Drilling

Standard Survey Report

22 October, 2021



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 407H - Slot 4
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 407H	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		I01 2208			
Site Position:		Northing:	1,880,173.96 usft	Latitude:	36.16706600
From:	Lat/Long	Easting:	2,784,180.65 usft	Longitude:	-107.62636600
Position Uncertainty:	0 ft	Slot Radius:	13.20 in	Grid Convergence:	0.12 °

Well		# 407H - Slot 4				
Well Position	+N/-S	0 ft	Northing:	1,880,174.82 usft	Latitude:	36.16706800
	+E/-W	0 ft	Easting:	2,784,240.57 usft	Longitude:	-107.62616300
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6917 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	9/27/2021	8.55	62.68	49,109.80000000

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	300.40	

Survey Program	Date	10/22/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
418	4355	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4450	5411	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5552	10,650	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	
418	0.56	339.29	418	2	-1	2	0.13	0.13	0.00	
509	1.57	199.35	509	1	-1	2	2.23	1.11	-153.78	
600	3.22	182.82	600	-3	-2	0	1.95	1.81	-18.16	
691	4.69	178.16	691	-9	-2	-3	1.65	1.62	-5.12	
782	6.19	172.49	781	-17	-1	-8	1.75	1.65	-6.23	
873	7.97	175.30	872	-29	0	-15	1.99	1.96	3.09	
963	9.72	171.01	961	-42	2	-23	2.08	1.94	-4.77	
1054	11.98	172.01	1050	-59	4	-34	2.49	2.48	1.10	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 407H - Slot 4
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 407H	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)	
1144	13.11	169.96	1138	-79	7	-46	1.35	1.26	-2.28	
1235	14.45	169.32	1226	-100	11	-60	1.48	1.47	-0.70	
1327	15.26	171.07	1315	-123	15	-75	1.01	0.88	1.90	
1418	17.19	174.69	1402	-148	18	-91	2.39	2.12	3.98	
1509	19.05	178.02	1489	-177	20	-107	2.34	2.04	3.66	
1600	19.83	178.01	1575	-207	21	-123	0.86	0.86	-0.01	
1689	20.96	176.22	1658	-238	23	-140	1.45	1.27	-2.01	
1780	19.50	172.74	1744	-269	26	-158	2.08	-1.60	-3.82	
1871	21.34	174.32	1829	-301	29	-177	2.11	2.02	1.74	
1966	20.43	171.70	1918	-334	33	-198	1.37	-0.96	-2.76	
2061	19.58	168.18	2007	-366	39	-219	1.55	-0.89	-3.71	
2155	22.12	173.38	2095	-399	44	-240	3.34	2.70	5.53	
2250	22.58	173.16	2183	-435	49	-262	0.49	0.48	-0.23	
2345	23.15	172.73	2270	-472	53	-285	0.63	0.60	-0.45	
2440	22.20	176.64	2358	-508	57	-306	1.87	-1.00	4.12	
2535	23.13	176.45	2445	-545	59	-326	0.98	0.98	-0.20	
2630	21.10	178.95	2533	-580	60	-346	2.35	-2.14	2.63	
2725	21.63	178.72	2622	-615	61	-364	0.56	0.56	-0.24	
2819	18.15	177.24	2710	-647	62	-381	3.74	-3.70	-1.57	
2914	16.14	174.61	2801	-675	64	-397	2.27	-2.12	-2.77	
3009	16.93	176.76	2892	-702	66	-412	1.05	0.83	2.26	
3104	19.54	177.25	2982	-732	68	-428	2.75	2.75	0.52	
3199	21.01	179.77	3071	-765	68	-446	1.80	1.55	2.65	
3293	20.82	178.74	3159	-798	69	-463	0.44	-0.20	-1.10	
3388	20.55	179.53	3248	-832	69	-481	0.41	-0.28	0.83	
3483	19.77	177.95	3337	-864	70	-498	1.00	-0.82	-1.66	
3577	18.67	176.21	3426	-895	72	-515	1.32	-1.17	-1.85	
3672	17.64	174.05	3516	-925	74	-532	1.29	-1.08	-2.27	
3767	19.79	170.44	3606	-955	78	-551	2.57	2.26	-3.80	
3861	20.87	171.40	3694	-987	83	-571	1.20	1.15	1.02	
3956	20.36	171.69	3783	-1020	88	-592	0.55	-0.54	0.31	
4051	18.03	171.35	3873	-1051	93	-612	2.46	-2.45	-0.36	
4146	18.45	170.88	3963	-1081	97	-631	0.47	0.44	-0.49	
4240	19.31	172.28	4052	-1111	102	-650	1.03	0.91	1.49	
4260	18.80	171.76	4071	-1117	103	-654	2.69	-2.55	-2.60	
4355	14.45	205.99	4162	-1143	100	-664	11.07	-4.58	36.03	
4450	17.24	226.42	4254	-1163	84	-662	6.52	2.94	21.51	
4544	17.85	256.60	4344	-1176	60	-647	9.60	0.65	32.11	
4639	21.02	278.71	4433	-1177	29	-621	8.37	3.34	23.27	
4734	25.22	289.77	4521	-1168	-7	-585	6.34	4.42	11.64	
4829	29.66	297.17	4605	-1150	-47	-542	5.89	4.67	7.79	
4924	37.46	301.54	4684	-1124	-92	-489	8.59	8.21	4.60	
5019	46.45	300.86	4755	-1091	-147	-426	9.48	9.46	-0.72	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 407H - Slot 4
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 407H	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)	
5114	56.25	301.77	4814	-1053	-210	-352	10.34	10.32	0.96	
5209	67.08	305.06	4859	-1007	-279	-268	11.80	11.40	3.46	
5304	72.51	306.23	4892	-955	-352	-180	5.83	5.72	1.23	
5398	81.01	310.34	4913	-898	-424	-89	9.99	9.04	4.37	
5411	82.57	311.20	4915	-890	-433	-76	13.67	12.00	6.62	
5552	89.97	312.02	4924	-796	-538	61	5.28	5.25	0.58	
5646	89.76	311.86	4925	-734	-608	154	0.28	-0.22	-0.17	
5740	89.16	311.18	4925	-671	-679	246	0.96	-0.64	-0.72	
5834	89.36	310.95	4927	-609	-750	338	0.32	0.21	-0.24	
5929	88.96	310.19	4928	-548	-822	432	0.90	-0.42	-0.80	
6020	90.30	311.70	4929	-488	-891	521	2.22	1.47	1.66	
6111	90.24	311.87	4928	-427	-958	610	0.20	-0.07	0.19	
6202	89.76	311.65	4928	-367	-1026	700	0.58	-0.53	-0.24	
6293	89.36	311.44	4929	-306	-1094	789	0.50	-0.44	-0.23	
6384	88.66	310.52	4930	-247	-1163	878	1.27	-0.77	-1.01	
6474	90.10	311.95	4931	-187	-1231	967	2.25	1.60	1.59	
6565	89.50	311.54	4932	-127	-1299	1056	0.80	-0.66	-0.45	
6656	88.72	311.64	4933	-66	-1367	1145	0.86	-0.86	0.11	
6747	90.57	311.78	4934	-6	-1435	1234	2.04	2.03	0.15	
6838	90.64	311.56	4933	55	-1503	1324	0.25	0.08	-0.24	
6928	88.86	309.84	4933	113	-1571	1412	2.75	-1.98	-1.91	
7019	90.20	311.72	4934	173	-1640	1502	2.54	1.47	2.07	
7109	90.13	311.08	4934	232	-1707	1590	0.72	-0.08	-0.71	
7200	89.39	310.93	4934	292	-1776	1679	0.83	-0.81	-0.16	
7292	90.47	311.88	4934	353	-1845	1770	1.56	1.17	1.03	
7382	90.10	311.53	4934	413	-1912	1858	0.57	-0.41	-0.39	
7473	89.93	311.84	4934	473	-1980	1947	0.39	-0.19	0.34	
7565	90.10	311.92	4934	535	-2049	2037	0.20	0.18	0.09	
7655	89.16	311.17	4934	594	-2116	2126	1.34	-1.04	-0.83	
7745	89.20	310.95	4936	653	-2184	2214	0.25	0.04	-0.24	
7836	88.69	310.78	4937	713	-2253	2304	0.59	-0.56	-0.19	
7926	90.87	312.62	4938	773	-2320	2392	3.17	2.42	2.04	
8015	90.27	311.87	4937	833	-2386	2479	1.08	-0.67	-0.84	
8106	90.17	311.58	4936	893	-2454	2568	0.34	-0.11	-0.32	
8197	89.46	310.56	4937	953	-2522	2658	1.37	-0.78	-1.12	
8288	89.97	310.86	4937	1012	-2591	2747	0.65	0.56	0.33	
8379	89.83	310.65	4937	1072	-2660	2837	0.28	-0.15	-0.23	
8471	90.17	310.68	4937	1132	-2730	2927	0.37	0.37	0.03	
8562	90.44	310.11	4937	1191	-2799	3017	0.69	0.30	-0.63	
8653	89.66	308.96	4937	1249	-2869	3107	1.53	-0.86	-1.26	
8744	90.00	309.21	4937	1306	-2940	3197	0.46	0.37	0.27	
8835	89.06	309.49	4938	1364	-3010	3286	1.08	-1.03	0.31	
8926	89.29	310.78	4939	1422	-3080	3376	1.44	0.25	1.42	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 407H - Slot 4
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 407H	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)	
9017	89.46	310.24	4940	1481	-3149	3466	0.62	0.19	-0.59	
9107	89.73	310.20	4941	1539	-3218	3554	0.30	0.30	-0.04	
9198	90.30	312.15	4941	1599	-3286	3644	2.23	0.63	2.14	
9290	90.13	312.85	4940	1662	-3354	3734	0.78	-0.18	0.76	
9380	90.91	313.11	4939	1723	-3420	3822	0.91	0.87	0.29	
9471	89.23	313.68	4939	1785	-3486	3910	1.95	-1.85	0.63	
9562	89.26	313.17	4941	1848	-3552	3999	0.56	0.03	-0.56	
9654	89.73	313.03	4941	1911	-3619	4089	0.53	0.51	-0.15	
9746	90.71	313.33	4941	1974	-3686	4178	1.11	1.07	0.33	
9836	91.18	313.19	4940	2035	-3752	4266	0.54	0.52	-0.16	
9927	90.54	313.06	4938	2098	-3818	4355	0.72	-0.70	-0.14	
10,019	89.26	312.04	4938	2160	-3886	4445	1.78	-1.39	-1.11	
10,109	89.29	311.95	4939	2220	-3953	4533	0.11	0.03	-0.10	
10,200	89.83	311.56	4940	2281	-4021	4622	0.73	0.59	-0.43	
10,292	89.50	311.10	4941	2341	-4090	4712	0.62	-0.36	-0.50	
10,382	89.33	311.04	4942	2401	-4158	4801	0.20	-0.19	-0.07	
10,474	90.13	311.19	4942	2461	-4227	4891	0.88	0.87	0.16	
10,565	90.57	310.85	4941	2521	-4296	4981	0.61	0.48	-0.37	
10,605	90.91	310.88	4941	2547	-4326	5020	0.85	0.85	0.08	
10,650	90.91	310.88	4940	2576	-4360	5064	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
407H 85° Casing	0.00	0.00	4925	-907	-430	1,879,267.03	2,783,812.91	36.16457670	-107.62761840	
- hit/miss target										
- Shape										
- actual wellpath misses target center by 16ft at 5398ft MD (4913 TVD, -898 N, -424 E)										
- Point										
407H Heel	0.00	0.00	4940	-751	-624	1,879,422.34	2,783,618.48	36.16500450	-107.62827600	
- actual wellpath misses target center by 28ft at 5646ft MD (4925 TVD, -734 N, -608 E)										
- Circle (radius 50)										
407H Toe	0.00	0.00	4957	2561	-4365	1,882,726.42	2,779,869.77	36.17410220	-107.64095390	
- actual wellpath misses target center by 23ft at 10644ft MD (4940 TVD, 2572 N, -4355 E)										
- Circle (radius 100)										



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 407H - Slot 4
Project:	North Alamo Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 407H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
418	418	2	-1	First Surface MWD Survey
4355	4162	-1143	100	Last Surface MWD Survey
4450	4254	-1163	84	First Curve MWD Survey
5411	4915	-890	-433	Last Curve MWD Survey
5552	4924	-796	-538	First Lateral MWD Survey
10,605	4941	2547	-4326	Last Lateral MWD Survey
10,650	4940	2576	-4360	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 I01 2208 407H
County & State	San Juan, NM
SDI Job No.	OP.030839
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 418 feet to a measured depth of 10,650 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

22-Oct-21

Date

Janie Collins

Contract Well Planner
Scientific Drilling International

12/15/2021

County or Parish/State:

Allottee or Tribe Name:

Unit or CA Number:
NMNM135229A

Operator: DJR OPERATING LLC

Well Name: NORTH ALAMITO UNIT	Well Location: T22N / R8W / SEC 1 / NESE /	County or Parish/State:
Well Number: 407H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM117143	Unit or CA Name: /1/NORTH ALAMITO UNIT	Unit or CA Number: NMNM135229A
US Well Number: 3004538214	Well Status: Drilling Well	Operator: DJR 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: SHAW-MARIE FORD	Signed on: DEC 14, 2021 09:04 AM
Name: DJR OPERATING LLC	
Title: Regulatory Specialist	
Street Address: 1 Road 3263	
City: Aztec	State: NM
Phone: (505) 632-3476	
Email address: sford@djrlc.com	

Field Representative

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

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 12/14/2021
Signature: Kenneth Rennick	

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

District II
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District III
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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 67177

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 67177
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	8/3/2022



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

09/15/2022

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058563

Section 1 - General

Well Completion Report Id:	Submission Date: 02-09-2022	
BLM Office: Farmington Field Office	User: SHAW-MARIE FORD	Title: Regulatory Specialist
Federal/Indian: FEDERAL	Lease Number: NMNM117143	Lease Acres:
Agreement in place?: YES	Federal or Indian Agreement:	
Agreement Number:	Agreement Name: /1/NORTH	
Keep this Well Completion Report confidential?:		
APD Operator: DJR OPERATING LLC		

Section 2 - Well

Field/Pool or Exploratory:	Pool Name: Alamito N; Mancos (Oil)	Field Name: BASIN MANCOS
Well Type: OIL WELL		
Spud Date: 06-03-2021		
Date Total Measured Depth Reached: 10-18-2021		
Drill & Abandon or Ready To Produce: READY TO		
Well Class: HORIZONTAL		

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
OJO ALAMAO	SANDSTONE		0	703	704	USEABLE WATER	
KIRTLAND	SHALE		-766	766	767	NONE	

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A ID 10400058563
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-1031	1031	1036	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1283	1283	1298	USEABLE WATER	
LEWIS	SHALE		-1455	1455	1477	NONE	
CHACRA	SANDSTONE		-2016	2016	2064	NONE	
MENEFEE	COAL, SANDSTONE		-2784	2784	2868	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3664	3664	3789	NONE	
MANCOS	SHALE		-3827	3827	3959	NONE	
MANCOS	SILTSTONE		-4131	4131	4277	NATURAL GAS, OIL	
GALLUP	SILTSTONE		-4622	4622	4799	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4679	4679	4869	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4779	4779	5010	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4929	4929	5460	NATURAL GAS, OIL	

Completion and Completed

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058563

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM135229A	NMNM117143	NEW		POW	12-02-2021	12-03-2021	GALLUP	5603	10580	Y	.35	595	OPEN
01	S1	1	NMNM135229A	NMNM117143	NEW		POW	12-03-2021	12-03-2021	GALLUP	5010	5460	Y	.35	595	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Totle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	29888	5236550	Chemical Disclosure uploaded to FracFocus.org
01	S1	1	Y	FRAC	29888	5236550	Chemical Disclosure uploaded to FracFocus.org

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1			GAS LIFT		SOLD	
01	S1	1			GAS LIFT		SOLD	

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A ID 10400058563
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-in (psi)	Casing Pressure (psi)
00	S1	1	12/05/2021	24	408	1813	614	4443	40/64	620		986
01	S1	1	12/05/2021	24	408	1813	614	4443	40/64	620		986

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.167068	-107.626163	6917	FEDERAL	NMNM117143			2047	FSL	497	FEL	22N	8W	1	NESE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.167068	-107.626163	6567	FEDERAL	NMNM117143			2047	FSL	497	FEL	22N	8W	1	NESE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.164885	-107.627991	2723	FEDERAL	NMNM117143			1253	FSL	1028	FEL	22N	8W	1	SESE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.17409	-107.640802	1977	FEDERAL	NMNM117143			735	FNL	404	FWL	22N	8W	1	NWNW

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A ID 10400058563
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/lot/Tract
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.17417	-107.640917	1977	FEDERAL	NMNM117143	4940	10630		706	FNL	370	FWL	22N	8W	1	NWNW
KOP Well bore 01	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.167068	-107.626163	6567	FEDERAL	NMNM117143				2047	FSL	497	FEL	22N	8W	1	NESE
PPP Well bore 01	NEW MEXICO	FIRST PRINCIPAL	SAN JUAN	36.164885	-107.627991	1977	FEDERAL	NMNM117143				1253	FSL	1028	FEL	22N	8W	1	SESE
EXIT Well bore 01	NEW MEXICO	FIRST PRINCIPAL	SAN JUAN	36.17409	-107.640802	1977	FEDERAL	NMNM117143				735	FNL	404	FWL	22N	8W	1	NWNW
BHL Well bore 01	NEW MEXICO	FIRST PRINCIPAL	SAN JUAN	36.17417	-107.640917	1977	FEDERAL	NMNM117143	4940	10630		706	FNL	370	FWL	22N	8W	1	NWNW

Casing, Liner and Tubing

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A ID 10400058563
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	12.25	0	353	9.625	36	K-55		ST&C		
00	INTERMEDIATE	8.75	0	5449	7.0	26	K-55		LT&C		
00	LINER	6.125	5150	10644	4.5	11.6	P-110		BUTT		
01	SURFACE	12.25	0	353	9.625	36	K-55		ST&C		
01	INTERMEDIATE	8.75	0	5449	7.0	26	K-55		LT&C		
01	LINER	6.125	5150	10644	4.5	11.6	P-110		BUTT		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		I-II	109	1.61	0					31.3
00	INTERMEDIATE		III	376	2.34	0	Poz/G	257	1.5	3844	225.4
00	LINER		Poz/G	464	1.56	5150					128.9
01	SURFACE		I-II	109	1.61	0					31.3
01	INTERMEDIATE		III	376	2.32	0	Poz/G	257	1.5	3844	224

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058563

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
01	LINER		Poz/G	464	1.56	5150					128.9

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		5381		6	L-80		ST&C	
01	2.875		5381		6	L-80		ST&C	

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	NO	NO	NO	YES	NO	YES
01	NO	NO	NO	YES	NO	YES

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058563

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 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 Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: DJR OPERATING LLC**Signed By:** SHAW-MARIE FORD**Title:** Regulatory Specialist**Signed on:** 02/14/2022**Street Address:** 1 Road 3263**City:** Aztec**State:** NM**Zip:** 87410**Phone:** (505)632-3476**Email address:** sford@djrlc.com**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Extension:****Email address:****Attachments**

407H_As_Drilled_Directional_Certified_Survey_20220209104919.pdf

407H_Current_WBD_20220209104937.pdf

407H_AsDrilled_Final_20220209104937.pdf

407H_As_Drilled_Directional_Certified_Survey_20220214080720.pdf

407H_Current_WBD_20220214080737.pdf

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 407H	US Well Number 3004538214
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143, NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A, NMNM135229A ID 10400058563
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	

407H_AsDrilled_Final_20220214080737.pdf



North Alamito Unit 407H

API: 30-045-38214

SHL: 2047' FSL x 497' FEL

ULSTR: I-01-22N-08W

Lat: 36.167068 Long: -107.626163

BHL: 706' FNL x 370' FWL

ULSTR: D-01-22N-08W

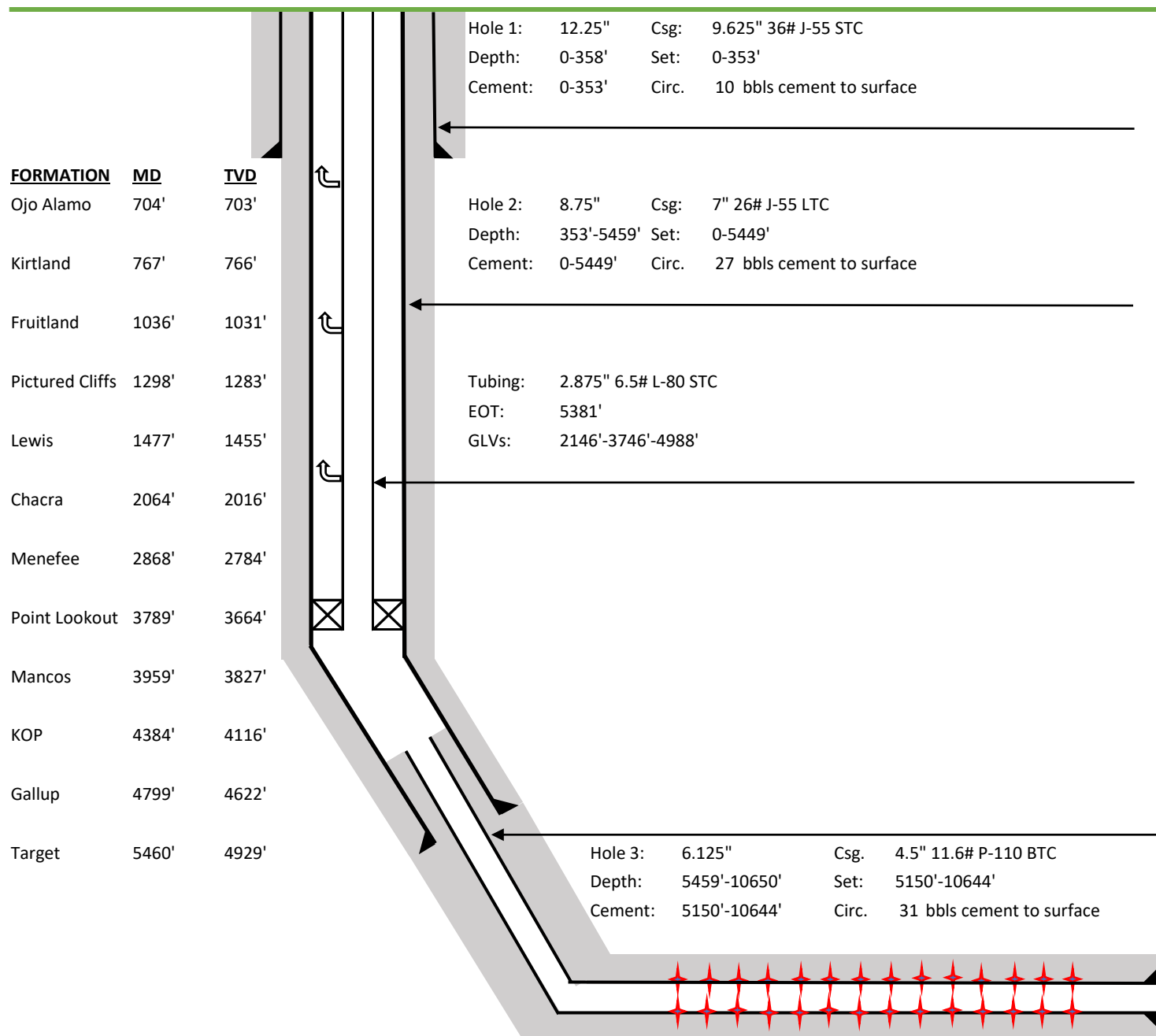
Lat: 36.174170 Long: -107.640917

Elevation: 6917' GL

Spud Date: 6/3/2021

Completed: 12/2/2021

Current Wellbore



Perf:	17 Stages	Frac:	17 Stages	10650' MD
3 spf.	.35" diameter	29,888	bbls of fluid	4940' TVD
Depth:	5603'-10580' MD	45,530,524	scf of N2	PBTD: 10630' MD
	4924'-4941' TVD	5,236,550	lbs of proppant	FracSleeve: 10603' MD

created by sford 12/14/21

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 143805

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 143805
	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
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
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1000 Rio Brazos Rd., Aztec, NM 87410
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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 143805

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 143805
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	9/15/2022