

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 30-045-38219	⁵ Pool Name Alamito N; Mancos (Oil)		⁶ Pool Code 98174
⁷ Property Code 325267	⁸ Property Name North Alamito Unit		⁹ Well Number 507H

II. ¹⁰ Surface Location

Ul or lot no. E	Section 01	Township 22N	Range 08W	Lot Idn	Feet from the 2497'	North/South Line North	Feet from the 548'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. H	Section 12	Township 22N	Range 08W	Lot Idn	Feet from the 2296'	North/South line North	Feet from the 574'	East/West line East	County San Juan
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 04/28/22		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 06/02/21	²² Ready Date 04/15/22	²³ TD 11,170' MD 4,860' TVD	²⁴ PBTD 11,151' MD 4,860' TVD	²⁵ Perforations 5,830'- 11,096' MD 4,862'- 4,879' TVD Frac Sleeve @ 11,124'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25		9.625" 36# J55		367'	109
8.75		7" 26# J55		5,465'	611
6.125		4.5" 11.6# P110		TOL: 5,027' BOL: 11,165'	514
		2.875" 6.5# L80 Tubing		5341'	

V. Well Test Data

³¹ Date New Oil 04/16/22	³² Gas Delivery Date 04/28/22	³³ Test Date 04/18/22	³⁴ Test Length 24	³⁵ Tbg. Pressure 655	³⁶ Csg. Pressure 1100
³⁷ Choke Size 42/64	³⁸ Oil 318	³⁹ Water 350	⁴⁰ Gas 1886		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>6/29/2022</i>		
Date: 06/28/22		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
☒ ASDRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38219	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 507H
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		2497'	NORTH	548'	WEST	SAN JUAN

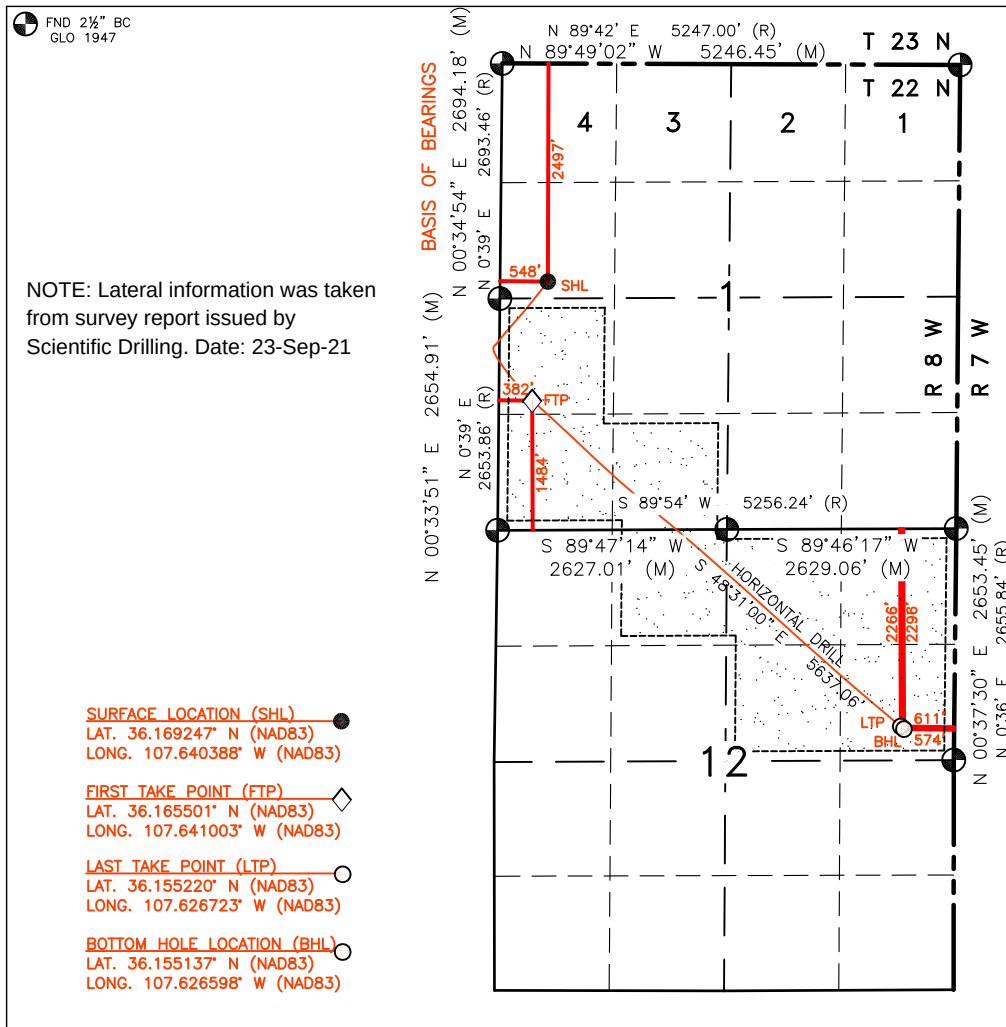
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	22N	8W		2296'	NORTH	574'	EAST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT; SEC 1: NW/SW, SW/SW & SE/SW (120 AC.); SEC 12: NE/NW & NE/4 (200 AC.) = 320 ACRES TOTAL	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14081 R-14067A
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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

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

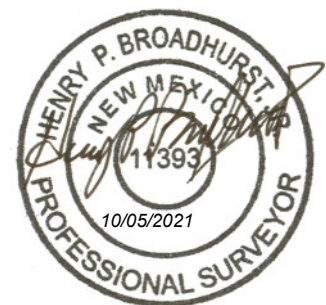
SURVEYOR CERTIFICATION

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

**Directional Survey Certification**

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

Operator	DJR Energy
Well Name & No.	North Alamito Unit E01 2208 507H
County & State	San Juan, NM
SDI Job No.	OP.030514
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 397 feet to a measured depth of 11,170 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



DJR

North Alamito Unit

E01 2208 Pad

#507H

End of Well Report



www.scientificdrilling.com

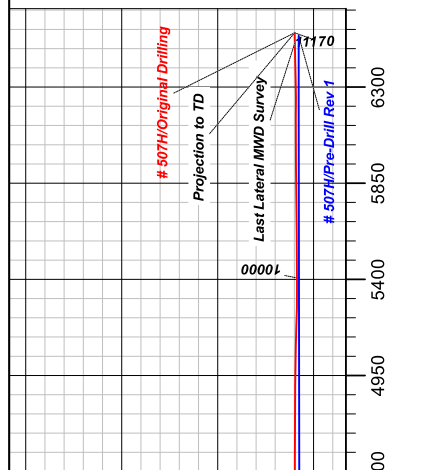
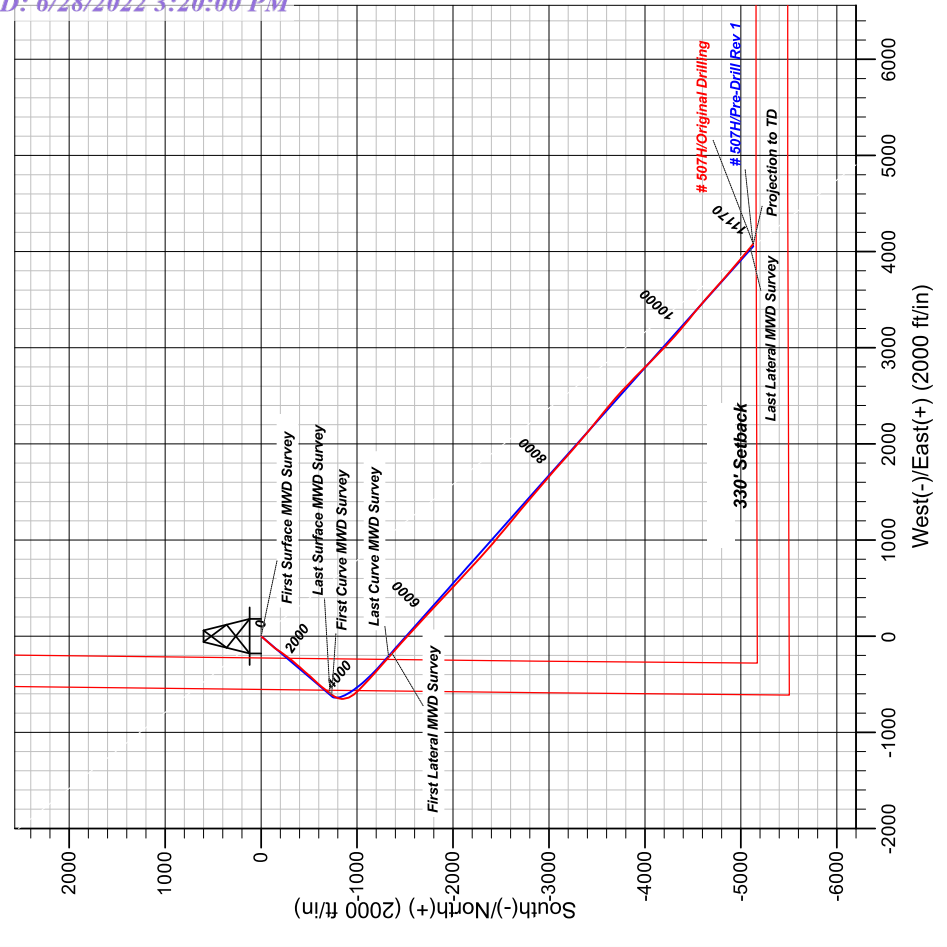
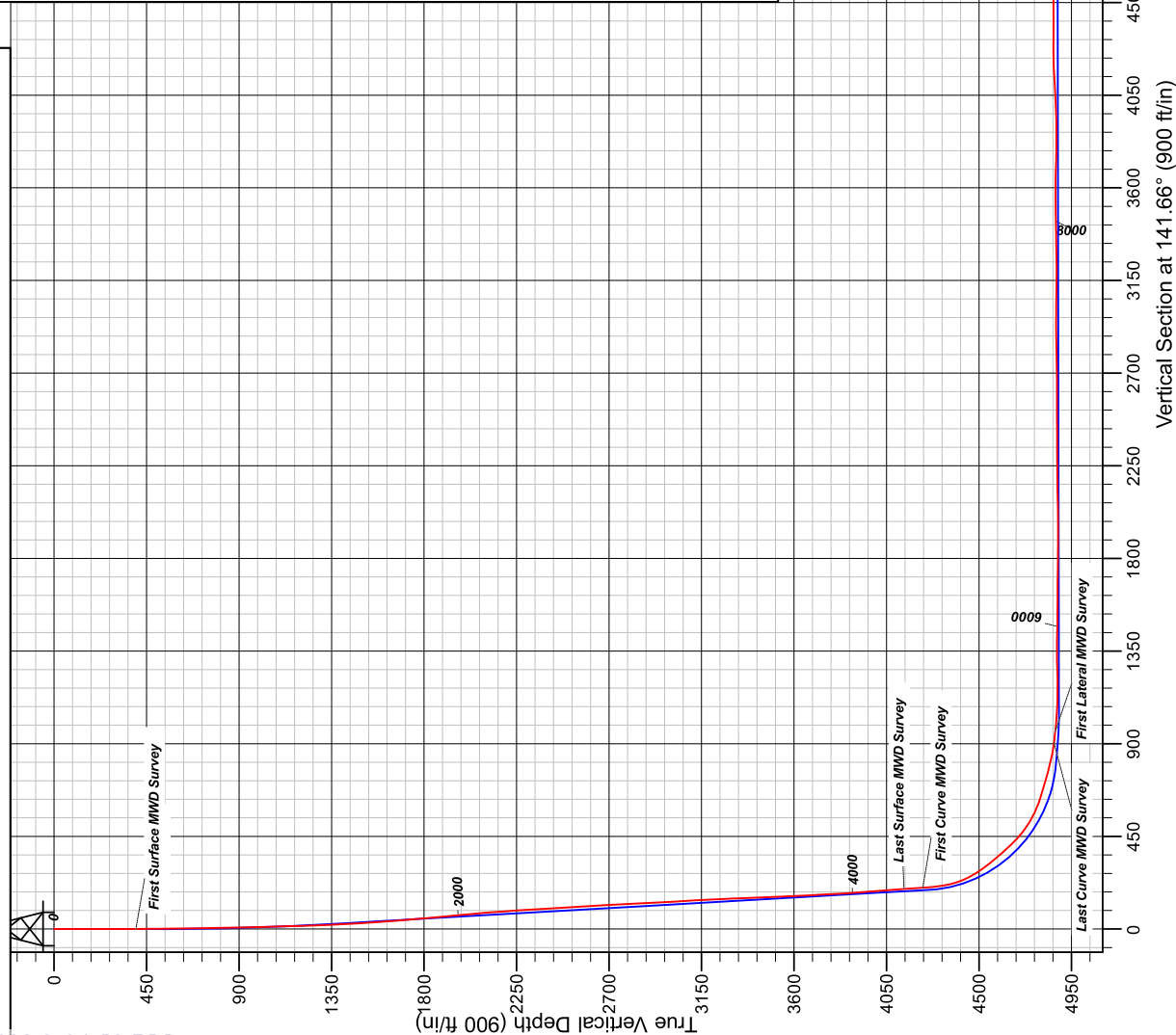


Company Name: DJR Operating
Project: North Alamito Unit
Site: E01 2208
Well: # 507H
Wellbore: Original Drilling



WELL DETAILS: # 507H

GL 6900' & RKB 25' @ 6925ft (Aztec 1000) 6900				1
+N/-S	+E/-W	Northing	Latitude	Longitude
0	0	1880959.36	2780040.30	-107.64038800



Design: Original Drilling (# 507H/Original Drilling)	Created By: Janie Collins	Date: 12:45, 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

507H - Slot 1

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 # 507H - Slot 1
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:	# 507H	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
From:	Lat/Long	Easting:	2,780,078.94 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.16927900
		Longitude:	-107.64025700
		Grid Convergence:	0.11 °

Well	# 507H - Slot 1		
Well Position	+N/-S	0 ft	Northing: 1,880,959.36 usft
	+E/-W	0 ft	Easting: 2,780,040.30 usft
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.16924700
		Longitude:	-107.64038800
		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	9/21/2021	8.55	62.68	49,117.90000000

Design	Original Drilling			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	141.66

Survey Program	Date	9/23/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
397	4260	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4355	5428	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5482	11,170	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	
397	0.00	0.00	397	0	0	0	0.00	0.00	0.00	
418	0.60	177.75	418	0	0	0	2.86	2.86	0.00	
508	2.12	218.22	508	-2	-1	1	1.90	1.69	44.97	
599	3.66	219.52	599	-5	-4	2	1.69	1.69	1.43	
690	4.57	220.02	690	-10	-8	3	1.00	1.00	0.55	
781	5.90	220.93	780	-17	-13	5	1.46	1.46	1.00	
872	6.95	221.65	871	-24	-20	7	1.16	1.15	0.79	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 1
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:	# 507H	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	7.65	221.96	961	-33	-28	9	0.77	0.77	0.34	
1054	8.36	223.25	1051	-42	-36	11	0.80	0.78	1.42	
1145	9.95	220.72	1141	-53	-46	13	1.80	1.75	-2.78	
1236	11.87	222.63	1230	-66	-58	16	2.15	2.11	2.10	
1327	13.45	222.18	1319	-81	-71	19	1.74	1.74	-0.49	
1417	15.55	220.60	1406	-98	-86	23	2.37	2.33	-1.76	
1508	15.67	219.07	1494	-116	-102	28	0.47	0.13	-1.68	
1598	16.61	219.93	1580	-136	-118	34	1.08	1.04	0.96	
1690	16.36	214.73	1668	-156	-133	40	1.63	-0.27	-5.65	
1780	16.68	214.55	1755	-178	-148	47	0.36	0.36	-0.20	
1871	17.13	212.32	1842	-200	-162	56	0.87	0.49	-2.45	
1966	16.65	215.61	1933	-223	-178	64	1.13	-0.51	3.46	
2061	16.60	214.92	2024	-245	-194	72	0.21	-0.05	-0.73	
2156	17.36	215.28	2115	-267	-210	80	0.81	0.80	0.38	
2251	17.00	219.70	2205	-290	-227	87	1.43	-0.38	4.65	
2345	18.11	219.19	2295	-312	-245	93	1.19	1.18	-0.54	
2440	17.85	222.16	2385	-334	-264	98	1.00	-0.27	3.13	
2534	16.78	220.46	2475	-355	-282	103	1.26	-1.14	-1.81	
2629	18.14	219.95	2566	-377	-301	109	1.44	1.43	-0.54	
2724	18.40	221.18	2656	-399	-320	115	0.49	0.27	1.29	
2819	16.25	221.53	2747	-420	-339	120	2.27	-2.26	0.37	
2914	15.79	221.61	2838	-440	-356	124	0.48	-0.48	0.08	
3008	16.39	221.67	2928	-459	-373	129	0.64	0.64	0.06	
3103	16.00	221.30	3019	-479	-391	133	0.42	-0.41	-0.39	
3198	16.32	220.96	3111	-499	-408	138	0.35	0.34	-0.36	
3293	16.81	220.85	3202	-520	-426	143	0.52	0.52	-0.12	
3388	14.77	224.29	3293	-539	-443	148	2.36	-2.15	3.62	
3482	15.70	223.83	3384	-557	-461	151	1.00	0.99	-0.49	
3577	14.88	222.78	3476	-575	-478	154	0.91	-0.86	-1.11	
3671	13.91	220.40	3567	-592	-493	158	1.21	-1.03	-2.53	
3766	14.42	220.28	3659	-610	-508	163	0.54	0.54	-0.13	
3861	16.32	220.73	3750	-629	-525	168	2.00	2.00	0.47	
3956	15.51	220.08	3842	-649	-542	173	0.87	-0.85	-0.68	
4050	16.89	217.20	3932	-669	-558	179	1.70	1.47	-3.06	
4145	16.49	215.16	4023	-691	-574	186	0.75	-0.42	-2.15	
4240	14.66	215.09	4114	-712	-589	193	1.93	-1.93	-0.07	
4260	14.25	214.32	4134	-716	-592	195	2.26	-2.05	-3.85	
4355	14.99	220.33	4226	-735	-606	201	1.78	0.78	6.33	
4449	24.08	214.47	4314	-761	-625	209	9.88	9.67	-6.23	
4544	32.33	197.49	4398	-801	-644	229	12.04	8.68	-17.87	
4639	36.85	178.29	4476	-854	-650	266	12.37	4.76	-20.21	
4734	40.73	159.72	4551	-912	-639	319	12.87	4.08	-19.55	
4829	41.05	138.80	4623	-964	-607	380	14.37	0.34	-22.02	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 1
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:	# 507H	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)
4923	48.02	135.43	4690	-1013	-562	445	7.83	7.41	-3.59
5018	58.82	135.31	4746	-1067	-509	521	11.37	11.37	-0.13
5113	70.60	131.34	4787	-1125	-446	606	12.96	12.40	-4.18
5208	74.25	133.41	4816	-1186	-380	695	4.37	3.84	2.18
5303	75.03	130.78	4841	-1248	-312	785	2.79	0.82	-2.77
5398	81.41	131.64	4860	-1309	-242	877	6.77	6.72	0.91
5428	82.02	131.69	4864	-1329	-219	906	2.04	2.03	0.17
5482	84.55	130.92	4871	-1364	-179	959	4.89	4.69	-1.43
5553	85.87	130.95	4877	-1411	-126	1028	1.86	1.86	0.04
5647	88.45	131.84	4881	-1473	-55	1121	2.90	2.74	0.95
5741	91.07	132.49	4882	-1536	14	1213	2.87	2.79	0.69
5835	92.45	132.39	4879	-1599	84	1306	1.47	1.47	-0.11
5929	88.09	133.41	4878	-1663	153	1399	4.76	-4.64	1.09
6024	88.89	133.05	4881	-1728	222	1493	0.92	0.84	-0.38
6118	90.20	132.72	4882	-1792	291	1586	1.44	1.39	-0.35
6213	89.26	133.08	4882	-1857	360	1680	1.06	-0.99	0.38
6307	90.13	133.02	4883	-1921	429	1773	0.93	0.93	-0.06
6402	88.66	133.12	4884	-1986	498	1867	1.55	-1.55	0.11
6496	90.60	133.40	4884	-2050	567	1960	2.09	2.06	0.30
6586	91.14	132.75	4883	-2112	632	2049	0.94	0.60	-0.72
6676	90.77	132.73	4881	-2173	699	2138	0.41	-0.41	-0.02
6767	90.54	132.53	4880	-2234	765	2227	0.33	-0.25	-0.22
6857	90.44	132.35	4880	-2295	832	2316	0.23	-0.11	-0.20
6947	90.07	130.96	4879	-2355	899	2405	1.60	-0.41	-1.54
7038	90.94	130.82	4878	-2415	968	2494	0.97	0.96	-0.15
7128	89.43	130.57	4878	-2473	1036	2583	1.70	-1.68	-0.28
7218	89.93	129.96	4879	-2531	1105	2671	0.88	0.56	-0.68
7309	90.74	129.41	4878	-2590	1175	2760	1.08	0.89	-0.60
7401	91.91	129.28	4876	-2648	1246	2850	1.28	1.27	-0.14
7492	90.13	129.86	4874	-2706	1316	2939	2.06	-1.96	0.64
7583	88.59	130.36	4875	-2764	1386	3028	1.78	-1.69	0.55
7674	89.13	130.33	4877	-2823	1455	3117	0.59	0.59	-0.03
7765	90.64	130.05	4877	-2882	1525	3206	1.69	1.66	-0.31
7856	91.78	130.49	4875	-2941	1594	3295	1.34	1.25	0.48
7946	90.07	131.07	4874	-3000	1662	3384	2.01	-1.90	0.64
8036	90.94	132.36	4873	-3059	1729	3472	1.73	0.97	1.43
8126	90.50	131.53	4872	-3120	1796	3561	1.04	-0.49	-0.92
8217	88.72	131.01	4873	-3180	1865	3651	2.04	-1.96	-0.57
8308	88.49	130.83	4875	-3239	1933	3740	0.32	-0.25	-0.20
8400	89.76	130.59	4876	-3299	2003	3830	1.40	1.38	-0.26
8491	91.01	129.98	4876	-3358	2073	3920	1.53	1.37	-0.67
8582	91.91	129.27	4873	-3416	2143	4008	1.26	0.99	-0.78
8673	93.63	129.45	4869	-3474	2213	4097	1.90	1.89	0.20
8765	93.16	130.05	4863	-3532	2283	4187	0.83	-0.51	0.65



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 1
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:	# 507H	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)
8855	89.23	129.10	4862	-3590	2353	4275	4.49	-4.37	-1.06
8946	90.07	129.83	4862	-3648	2423	4364	1.22	0.92	0.80
9037	90.34	131.07	4862	-3707	2492	4453	1.39	0.30	1.36
9127	89.87	133.39	4862	-3767	2559	4542	2.63	-0.52	2.58
9219	89.56	133.39	4862	-3830	2626	4633	0.34	-0.34	0.00
9310	90.57	134.33	4862	-3893	2691	4723	1.52	1.11	1.03
9401	88.52	135.27	4863	-3958	2756	4814	2.48	-2.25	1.03
9493	90.30	134.70	4864	-4023	2821	4905	2.03	1.93	-0.62
9583	89.36	134.94	4864	-4086	2885	4994	1.08	-1.04	0.27
9674	88.52	134.77	4866	-4150	2949	5085	0.94	-0.92	-0.19
9765	87.98	132.52	4868	-4213	3015	5175	2.54	-0.59	-2.47
9856	88.73	131.64	4871	-4274	3083	5264	1.27	0.82	-0.97
9947	90.07	131.58	4872	-4334	3151	5354	1.47	1.47	-0.07
10,039	89.87	130.41	4872	-4395	3220	5444	1.29	-0.22	-1.27
10,130	90.57	129.82	4872	-4453	3290	5534	1.01	0.77	-0.65
10,221	91.75	129.09	4870	-4511	3360	5623	1.52	1.30	-0.80
10,312	89.43	130.08	4869	-4569	3430	5712	2.77	-2.55	1.09
10,403	90.64	130.00	4869	-4628	3500	5801	1.33	1.33	-0.09
10,494	90.60	131.56	4868	-4687	3569	5890	1.71	-0.04	1.71
10,585	89.87	132.23	4867	-4748	3636	5980	1.09	-0.80	0.74
10,676	91.65	131.78	4866	-4809	3704	6069	2.02	1.96	-0.49
10,766	88.52	130.83	4866	-4868	3772	6158	3.63	-3.48	-1.06
10,858	90.50	130.63	4867	-4928	3841	6248	2.16	2.15	-0.22
10,950	91.44	129.60	4865	-4987	3912	6338	1.52	1.02	-1.12
11,041	90.94	130.16	4863	-5046	3982	6427	0.82	-0.55	0.62
11,122	91.71	129.57	4862	-5098	4044	6507	1.20	0.95	-0.73
11,170	91.71	129.57	4860	-5128	4081	6554	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
507H 85° Casing Rev 1	0.00	0.00	4873	-1247	-298	1,879,712.19	2,779,745.22	36.16582249	-107.64139610
- hit/miss target									
- Shape									
- actual wellpath misses target center by 31ft at 5319ft MD (4845 TVD, -1258 N, -300 E)									
- Point									
507H Toe	0.00	0.00	4879	-5130	4057	1,875,837.71	2,784,107.68	36.15515430	-107.62664450
- actual wellpath misses target center by 24ft at 11152ft MD (4861 TVD, -5117 N, 4067 E)									
- Circle (radius 100)									
507H Heel	0.00	0.00	4888	-1426	-118	1,879,533.63	2,779,925.27	36.16533100	-107.64078730
- actual wellpath misses target center by 12ft at 5569ft MD (4878 TVD, -1421 N, -113 E)									
- Circle (radius 50)									



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 1
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:	# 507H	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)	
397	397	0	0	First Surface MWD Survey
4260	4134	-716	-592	Last Surface MWD Survey
4355	4226	-735	-606	First Curve MWD Survey
5428	4864	-1329	-219	Last Curve MWD Survey
5482	4871	-1364	-179	First Lateral MWD Survey
11,122	4862	-5098	4044	Last Lateral MWD Survey
11,170	4860	-5128	4081	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

Well Name: NORTH ALAMITO UNIT	Well Location: T22N / R8W / SEC 1 / SWNW / 36.169247 / -107.640388	County or Parish/State: SAN JUAN / NM
Well Number: 507H	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: 3004538219	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2667421

Type of Submission: Subsequent Report

Date Sundry Submitted: 04/18/2022

Date Operation Actually Began: 03/26/2022

Type of Action: Hydraulic Fracturing

Time Sundry Submitted: 12:51

Actual Procedure: Completion Sundry 3/26/22: PT 4.5" x 7" casing 2000 psi (5 min). Bleed down 7" to 1000 psi, pressure up 4.5" to 7050 psi & hold (15 min). Pressure up to 7500 psi & hold (15 min). All tests good & recorded on chart. 4/2/22 to 4/7/22: Plug & Perf 18 stages. 3 spf with .35" diameter from 11096' to 5830' MD (4862' to 4879' TVD). Total of 665 open holes. Plugs set from 10818' to 6104'. Kill plug at 5630'. Frac 18 stages with 31,213 bbls of fluid. 5,536,790 lbs proppant. 46,990,703 scf of N2. 4/13/22 to 4/14/2022: MIRU AWS 812. NU BOP. PT pipe rams, flowback, blind rams high 4750 psi (10 min) low 300 psi (5 min). Annular high 2550 psi (10 min), low 300 psi (5 min). All tests good & recorded on chart. TIH. Drill out plugs. TOH. 4/15/22: PT BOP high 2000 psi, low 500 psi (30 min). Test good & recorded on chart. TIH with production string. Land 163 jts of 2.875" 6.5# L80 STC tubing. EOT: 5341'. Three GLVs set 4664' – 3485' – 2143'. TOH. PT 2.875" tubing hanger 4800 psi (30 min). Test good & recorded on chart. Turn well over to production. Rig AWS 812 released on 4/16/22.

Well Name: NORTH ALAMITO UNIT	Well Location: T22N / R8W / SEC 1 / SWNW / 36.169247 / -107.640388	County or Parish/State: SAN JUAN / NM
Well Number: 507H	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: 3004538219	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: APR 18, 2022 12:51 PM
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: 04/18/2022
Signature: Kenneth Rennick	



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

Well Completion Print

06/28/2022

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 507H	US Well Number 3004538219
SHL SWNW Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 502H, 504H, 507H, 508H	ID 10400058202

[Request for OCD extension of time to file BLM approved Form 3160-4](#)

Section 1 - General

Well Completion Report Id: 85136	Submission Date: N/A until DB	
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?: NO		
APD Operator: DJR OPERATING LLC		

Section 2 - Well

Field/Pool or Exploratory:	Pool Name: ALAMITO N; MANCOS	Field Name: BASIN MANCOS
Well Type: OIL WELL		
Spud Date: 06-02-2021		
Date Total Measured Depth Reached: 09-22-2021		
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		6900	651	651	USEABLE WATER	
KIRTLAND	SHALE		-714	714	715	NONE	

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 507H	US Well Number 3004538219
SHL SWNW Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 502H, 504H, 507H, 508H	ID 10400058202

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-979	979	983	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1231	1231	1243	USEABLE WATER	
LEWIS	SHALE		-1403	1403	1422	NONE	
CHACRA	SANDSTONE		-1964	1964	2006	NONE	
MENEFEE	COAL, SANDSTONE		-2732	2732	2805	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3612	3612	3721	NONE	
MANCOS	SHALE		-3775	3775	3890	NONE	
MANCOS	SILTSTONE		-4079	4079	4207	NONE	
GALLUP	SILTSTONE		-4570	4570	4732	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4627	4627	4803	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4727	4727	4944	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4877	4877	5401	NATURAL GAS, OIL	

Completion and Completed

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 507H	US Well Number 3004538219
SHL SWNW Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 502H, 504H, 507H, 508H	ID 10400058202

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	04-15-2022	04-16-2022	GALLUP	5830	11096	Y	.35	665	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	31213	5536790	Chemical Disclosure uploaded to FracFocus on 04/13/22

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	

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 507H	US Well Number 3004538219
SHL SWNW Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 502H, 504H, 507H, 508H	ID 10400058202

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	04/18/2022	24	318	1886	350	5930	42/64	655		1100

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	36.169247	-107.640388	6900	FEDERAL	NMNM117143				2497	FNL	548	FWL	22N	8W	1	SWNW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.169247	-107.640388	6533	FEDERAL	NMNM117143				2497	FNL	548	FWL	22N	8W	1	SWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.165501	-107.640388	2038	FEDERAL	NMNM117143				1484	FSL	382	FWL	22N	8W	1	NWSW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.15522	-107.626723	2040	FEDERAL	NMNM117143				2266	FNL	611	FEL	22N	8W	12	SENE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.155137	-107.626598	2040	FEDERAL	NMNM117143				2296	FNL	574	FEL	22N	8W	12	SENE

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 507H	US Well Number 3004538219
SHL SWNW Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 502H, 504H, 507H, 508H	ID 10400058202

Casing, Liner and Tubing

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	367	9.625	36	J-55		ST&C		
00	INTERMEDIATE	8.75	0	5465	7.0	26	J-55		LT&C		
00	LINER	6.125	5027	11165	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	380	2.32	0	G	231	1.49	3896	218.3
00	LINER		G	514	1.56	5027					142.8

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 507H	US Well Number 3004538219
SHL SWNW Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 502H, 504H, 507H, 508H	ID 10400058202

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		5341	5049	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

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 507H	US Well Number 3004538219
SHL SWNW Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 502H, 504H, 507H, 508H	ID 10400058202

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: 06/28/2022

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

507H_Certified_DD_Survey_20220628143622.pdf

507H_As_Drilled_WBD___C102_20220628143630.pdf

**Directional Survey Certification**

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

Operator	DJR Energy
Well Name & No.	North Alamito Unit E01 2208 507H
County & State	San Juan, NM
SDI Job No.	OP.030514
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 397 feet to a measured depth of 11,170 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



DJR

North Alamito Unit

E01 2208 Pad

#507H

End of Well Report



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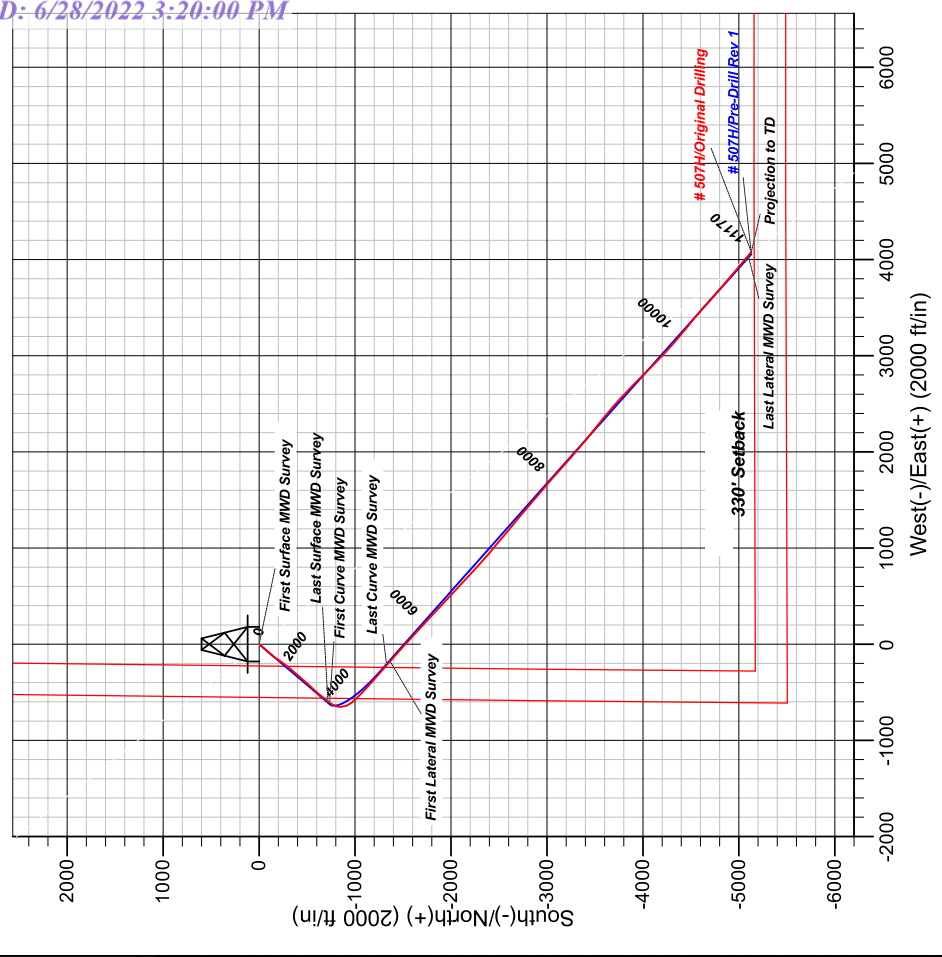
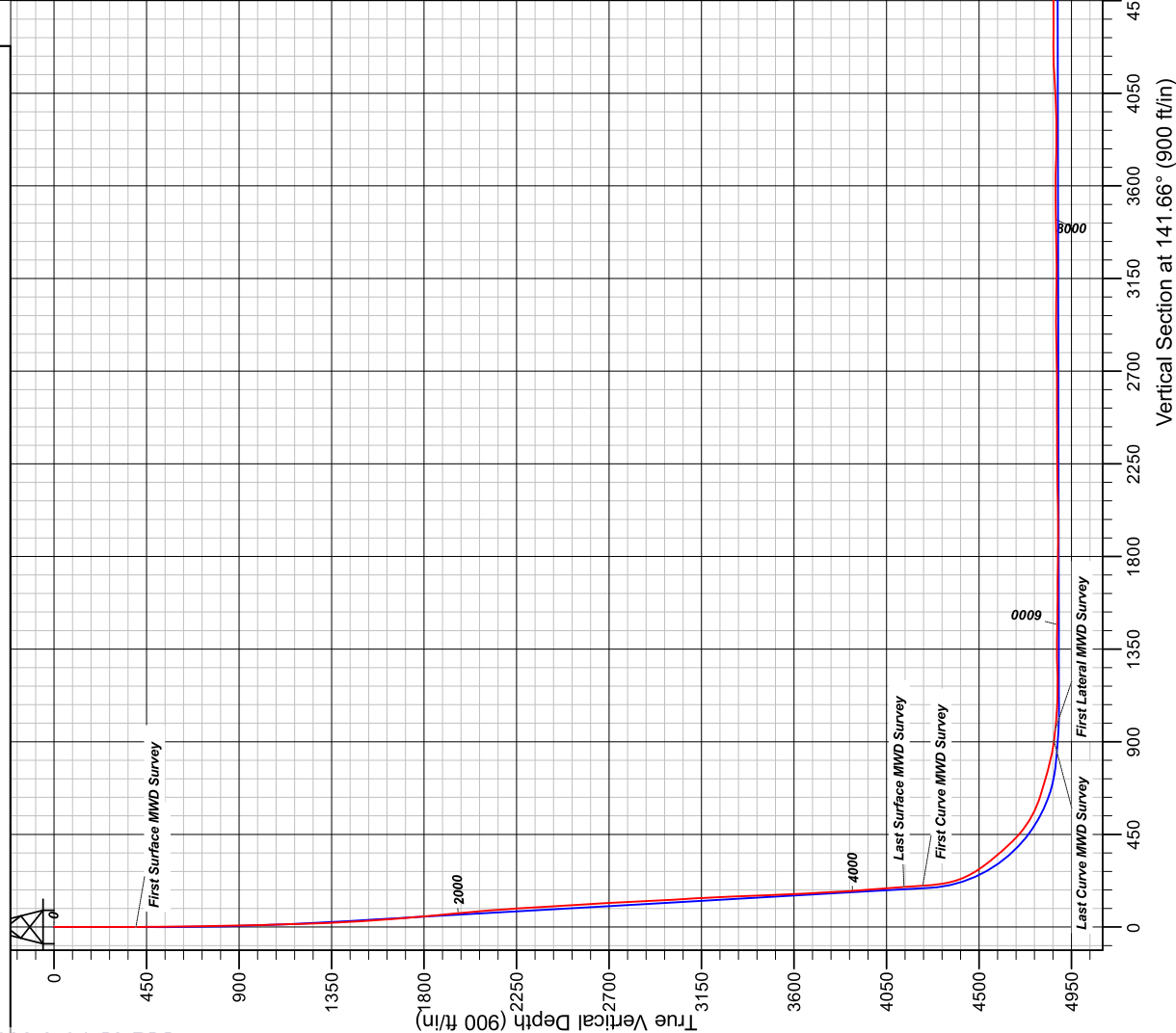


Company Name: DJR Operating
Project: North Alamito Unit
Site: E01 2208
Well: # 507H
Wellbore: Original Drilling

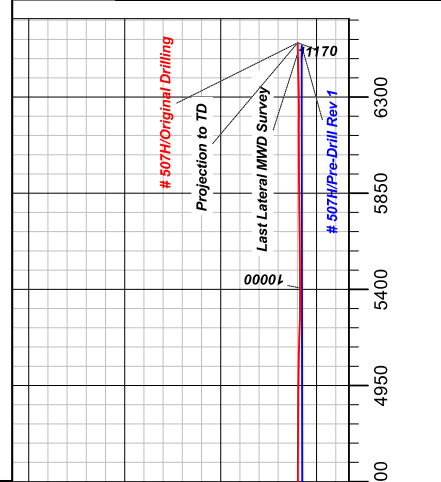


WELL DETAILS: # 507H

GL 6900' & RKB 25' @ 6925ft (Aztec 1000) 6900				1
+N/-S	+E/-W	Northing	Longitude	
0	0	1880959.36	-107.64038800	



Design: Original Drilling (# 507H/Original Drilling)	PROJECT DETAILS: North Alamito Unit
Created By: Janie Collins	Geodetic System: US State Plane 1983
Date: 12:45, September 23 2021	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

507H - Slot 1

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 # 507H - Slot 1
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:	# 507H	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		# 507H - Slot 1				
Well Position	+N/-S	0 ft	Northing:	1,880,959.36 usft	Latitude:	36.16924700
	+E/-W	0 ft	Easting:	2,780,040.30 usft	Longitude:	-107.64038800
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	9/21/2021	8.55	62.68	49,117.90000000

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		141.66

Survey Program	Date	9/23/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
397	4260	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4355	5428	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5482	11,170	Survey #3 - Lateral MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	

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
397	0.00	0.00	397	0	0	0	0.00	0.00	0.00
418	0.60	177.75	418	0	0	0	2.86	2.86	0.00
508	2.12	218.22	508	-2	-1	1	1.90	1.69	44.97
599	3.66	219.52	599	-5	-4	2	1.69	1.69	1.43
690	4.57	220.02	690	-10	-8	3	1.00	1.00	0.55
781	5.90	220.93	780	-17	-13	5	1.46	1.46	1.00
872	6.95	221.65	871	-24	-20	7	1.16	1.15	0.79



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 1
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:	# 507H	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	7.65	221.96	961	-33	-28	9	0.77	0.77	0.34	
1054	8.36	223.25	1051	-42	-36	11	0.80	0.78	1.42	
1145	9.95	220.72	1141	-53	-46	13	1.80	1.75	-2.78	
1236	11.87	222.63	1230	-66	-58	16	2.15	2.11	2.10	
1327	13.45	222.18	1319	-81	-71	19	1.74	1.74	-0.49	
1417	15.55	220.60	1406	-98	-86	23	2.37	2.33	-1.76	
1508	15.67	219.07	1494	-116	-102	28	0.47	0.13	-1.68	
1598	16.61	219.93	1580	-136	-118	34	1.08	1.04	0.96	
1690	16.36	214.73	1668	-156	-133	40	1.63	-0.27	-5.65	
1780	16.68	214.55	1755	-178	-148	47	0.36	0.36	-0.20	
1871	17.13	212.32	1842	-200	-162	56	0.87	0.49	-2.45	
1966	16.65	215.61	1933	-223	-178	64	1.13	-0.51	3.46	
2061	16.60	214.92	2024	-245	-194	72	0.21	-0.05	-0.73	
2156	17.36	215.28	2115	-267	-210	80	0.81	0.80	0.38	
2251	17.00	219.70	2205	-290	-227	87	1.43	-0.38	4.65	
2345	18.11	219.19	2295	-312	-245	93	1.19	1.18	-0.54	
2440	17.85	222.16	2385	-334	-264	98	1.00	-0.27	3.13	
2534	16.78	220.46	2475	-355	-282	103	1.26	-1.14	-1.81	
2629	18.14	219.95	2566	-377	-301	109	1.44	1.43	-0.54	
2724	18.40	221.18	2656	-399	-320	115	0.49	0.27	1.29	
2819	16.25	221.53	2747	-420	-339	120	2.27	-2.26	0.37	
2914	15.79	221.61	2838	-440	-356	124	0.48	-0.48	0.08	
3008	16.39	221.67	2928	-459	-373	129	0.64	0.64	0.06	
3103	16.00	221.30	3019	-479	-391	133	0.42	-0.41	-0.39	
3198	16.32	220.96	3111	-499	-408	138	0.35	0.34	-0.36	
3293	16.81	220.85	3202	-520	-426	143	0.52	0.52	-0.12	
3388	14.77	224.29	3293	-539	-443	148	2.36	-2.15	3.62	
3482	15.70	223.83	3384	-557	-461	151	1.00	0.99	-0.49	
3577	14.88	222.78	3476	-575	-478	154	0.91	-0.86	-1.11	
3671	13.91	220.40	3567	-592	-493	158	1.21	-1.03	-2.53	
3766	14.42	220.28	3659	-610	-508	163	0.54	0.54	-0.13	
3861	16.32	220.73	3750	-629	-525	168	2.00	2.00	0.47	
3956	15.51	220.08	3842	-649	-542	173	0.87	-0.85	-0.68	
4050	16.89	217.20	3932	-669	-558	179	1.70	1.47	-3.06	
4145	16.49	215.16	4023	-691	-574	186	0.75	-0.42	-2.15	
4240	14.66	215.09	4114	-712	-589	193	1.93	-1.93	-0.07	
4260	14.25	214.32	4134	-716	-592	195	2.26	-2.05	-3.85	
4355	14.99	220.33	4226	-735	-606	201	1.78	0.78	6.33	
4449	24.08	214.47	4314	-761	-625	209	9.88	9.67	-6.23	
4544	32.33	197.49	4398	-801	-644	229	12.04	8.68	-17.87	
4639	36.85	178.29	4476	-854	-650	266	12.37	4.76	-20.21	
4734	40.73	159.72	4551	-912	-639	319	12.87	4.08	-19.55	
4829	41.05	138.80	4623	-964	-607	380	14.37	0.34	-22.02	



Scientific Drilling

Survey Report



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Site:	E01 2208	MD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Well:	# 507H	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)
4923	48.02	135.43	4690	-1013	-562	445	7.83	7.41	-3.59
5018	58.82	135.31	4746	-1067	-509	521	11.37	11.37	-0.13
5113	70.60	131.34	4787	-1125	-446	606	12.96	12.40	-4.18
5208	74.25	133.41	4816	-1186	-380	695	4.37	3.84	2.18
5303	75.03	130.78	4841	-1248	-312	785	2.79	0.82	-2.77
5398	81.41	131.64	4860	-1309	-242	877	6.77	6.72	0.91
5428	82.02	131.69	4864	-1329	-219	906	2.04	2.03	0.17
5482	84.55	130.92	4871	-1364	-179	959	4.89	4.69	-1.43
5553	85.87	130.95	4877	-1411	-126	1028	1.86	1.86	0.04
5647	88.45	131.84	4881	-1473	-55	1121	2.90	2.74	0.95
5741	91.07	132.49	4882	-1536	14	1213	2.87	2.79	0.69
5835	92.45	132.39	4879	-1599	84	1306	1.47	1.47	-0.11
5929	88.09	133.41	4878	-1663	153	1399	4.76	-4.64	1.09
6024	88.89	133.05	4881	-1728	222	1493	0.92	0.84	-0.38
6118	90.20	132.72	4882	-1792	291	1586	1.44	1.39	-0.35
6213	89.26	133.08	4882	-1857	360	1680	1.06	-0.99	0.38
6307	90.13	133.02	4883	-1921	429	1773	0.93	0.93	-0.06
6402	88.66	133.12	4884	-1986	498	1867	1.55	-1.55	0.11
6496	90.60	133.40	4884	-2050	567	1960	2.09	2.06	0.30
6586	91.14	132.75	4883	-2112	632	2049	0.94	0.60	-0.72
6676	90.77	132.73	4881	-2173	699	2138	0.41	-0.41	-0.02
6767	90.54	132.53	4880	-2234	765	2227	0.33	-0.25	-0.22
6857	90.44	132.35	4880	-2295	832	2316	0.23	-0.11	-0.20
6947	90.07	130.96	4879	-2355	899	2405	1.60	-0.41	-1.54
7038	90.94	130.82	4878	-2415	968	2494	0.97	0.96	-0.15
7128	89.43	130.57	4878	-2473	1036	2583	1.70	-1.68	-0.28
7218	89.93	129.96	4879	-2531	1105	2671	0.88	0.56	-0.68
7309	90.74	129.41	4878	-2590	1175	2760	1.08	0.89	-0.60
7401	91.91	129.28	4876	-2648	1246	2850	1.28	1.27	-0.14
7492	90.13	129.86	4874	-2706	1316	2939	2.06	-1.96	0.64
7583	88.59	130.36	4875	-2764	1386	3028	1.78	-1.69	0.55
7674	89.13	130.33	4877	-2823	1455	3117	0.59	0.59	-0.03
7765	90.64	130.05	4877	-2882	1525	3206	1.69	1.66	-0.31
7856	91.78	130.49	4875	-2941	1594	3295	1.34	1.25	0.48
7946	90.07	131.07	4874	-3000	1662	3384	2.01	-1.90	0.64
8036	90.94	132.36	4873	-3059	1729	3472	1.73	0.97	1.43
8126	90.50	131.53	4872	-3120	1796	3561	1.04	-0.49	-0.92
8217	88.72	131.01	4873	-3180	1865	3651	2.04	-1.96	-0.57
8308	88.49	130.83	4875	-3239	1933	3740	0.32	-0.25	-0.20
8400	89.76	130.59	4876	-3299	2003	3830	1.40	1.38	-0.26
8491	91.01	129.98	4876	-3358	2073	3920	1.53	1.37	-0.67
8582	91.91	129.27	4873	-3416	2143	4008	1.26	0.99	-0.78
8673	93.63	129.45	4869	-3474	2213	4097	1.90	1.89	0.20
8765	93.16	130.05	4863	-3532	2283	4187	0.83	-0.51	0.65



Scientific Drilling

Survey Report



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Site:	E01 2208	MD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Well:	# 507H	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)
8855	89.23	129.10	4862	-3590	2353	4275	4.49	-4.37	-1.06
8946	90.07	129.83	4862	-3648	2423	4364	1.22	0.92	0.80
9037	90.34	131.07	4862	-3707	2492	4453	1.39	0.30	1.36
9127	89.87	133.39	4862	-3767	2559	4542	2.63	-0.52	2.58
9219	89.56	133.39	4862	-3830	2626	4633	0.34	-0.34	0.00
9310	90.57	134.33	4862	-3893	2691	4723	1.52	1.11	1.03
9401	88.52	135.27	4863	-3958	2756	4814	2.48	-2.25	1.03
9493	90.30	134.70	4864	-4023	2821	4905	2.03	1.93	-0.62
9583	89.36	134.94	4864	-4086	2885	4994	1.08	-1.04	0.27
9674	88.52	134.77	4866	-4150	2949	5085	0.94	-0.92	-0.19
9765	87.98	132.52	4868	-4213	3015	5175	2.54	-0.59	-2.47
9856	88.73	131.64	4871	-4274	3083	5264	1.27	0.82	-0.97
9947	90.07	131.58	4872	-4334	3151	5354	1.47	1.47	-0.07
10,039	89.87	130.41	4872	-4395	3220	5444	1.29	-0.22	-1.27
10,130	90.57	129.82	4872	-4453	3290	5534	1.01	0.77	-0.65
10,221	91.75	129.09	4870	-4511	3360	5623	1.52	1.30	-0.80
10,312	89.43	130.08	4869	-4569	3430	5712	2.77	-2.55	1.09
10,403	90.64	130.00	4869	-4628	3500	5801	1.33	1.33	-0.09
10,494	90.60	131.56	4868	-4687	3569	5890	1.71	-0.04	1.71
10,585	89.87	132.23	4867	-4748	3636	5980	1.09	-0.80	0.74
10,676	91.65	131.78	4866	-4809	3704	6069	2.02	1.96	-0.49
10,766	88.52	130.83	4866	-4868	3772	6158	3.63	-3.48	-1.06
10,858	90.50	130.63	4867	-4928	3841	6248	2.16	2.15	-0.22
10,950	91.44	129.60	4865	-4987	3912	6338	1.52	1.02	-1.12
11,041	90.94	130.16	4863	-5046	3982	6427	0.82	-0.55	0.62
11,122	91.71	129.57	4862	-5098	4044	6507	1.20	0.95	-0.73
11,170	91.71	129.57	4860	-5128	4081	6554	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
507H 85° Casing Rev 1	0.00	0.00	4873	-1247	-298	1,879,712.19	2,779,745.22	36.16582249	-107.64139610
- actual wellpath misses target center by 31ft at 5319ft MD (4845 TVD, -1258 N, -300 E)									
- Point									
507H Toe	0.00	0.00	4879	-5130	4057	1,875,837.71	2,784,107.68	36.15515430	-107.62664450
- actual wellpath misses target center by 24ft at 11152ft MD (4861 TVD, -5117 N, 4067 E)									
- Circle (radius 100)									
507H Heel	0.00	0.00	4888	-1426	-118	1,879,533.63	2,779,925.27	36.16533100	-107.64078730
- actual wellpath misses target center by 12ft at 5569ft MD (4878 TVD, -1421 N, -113 E)									
- Circle (radius 50)									



Scientific Drilling
Survey Report



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Site:	E01 2208	MD Reference:	GL 6900' & RKB 25' @ 6925ft (Aztec 1000)
Well:	# 507H	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)	
397	397	0	0	First Surface MWD Survey
4260	4134	-716	-592	Last Surface MWD Survey
4355	4226	-735	-606	First Curve MWD Survey
5428	4864	-1329	-219	Last Curve MWD Survey
5482	4871	-1364	-179	First Lateral MWD Survey
11,122	4862	-5098	4044	Last Lateral MWD Survey
11,170	4860	-5128	4081	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



North Alamito Unit 507H

API: 30-045-38219

SHL: 2497' FNL x 548' FWL

ULSTR: E-01-22N-08W

Lat: 36.169247 Long: -107.640388

BHL: 2296' FNL x 574' FEL

ULSTR: H-12-22N-08W

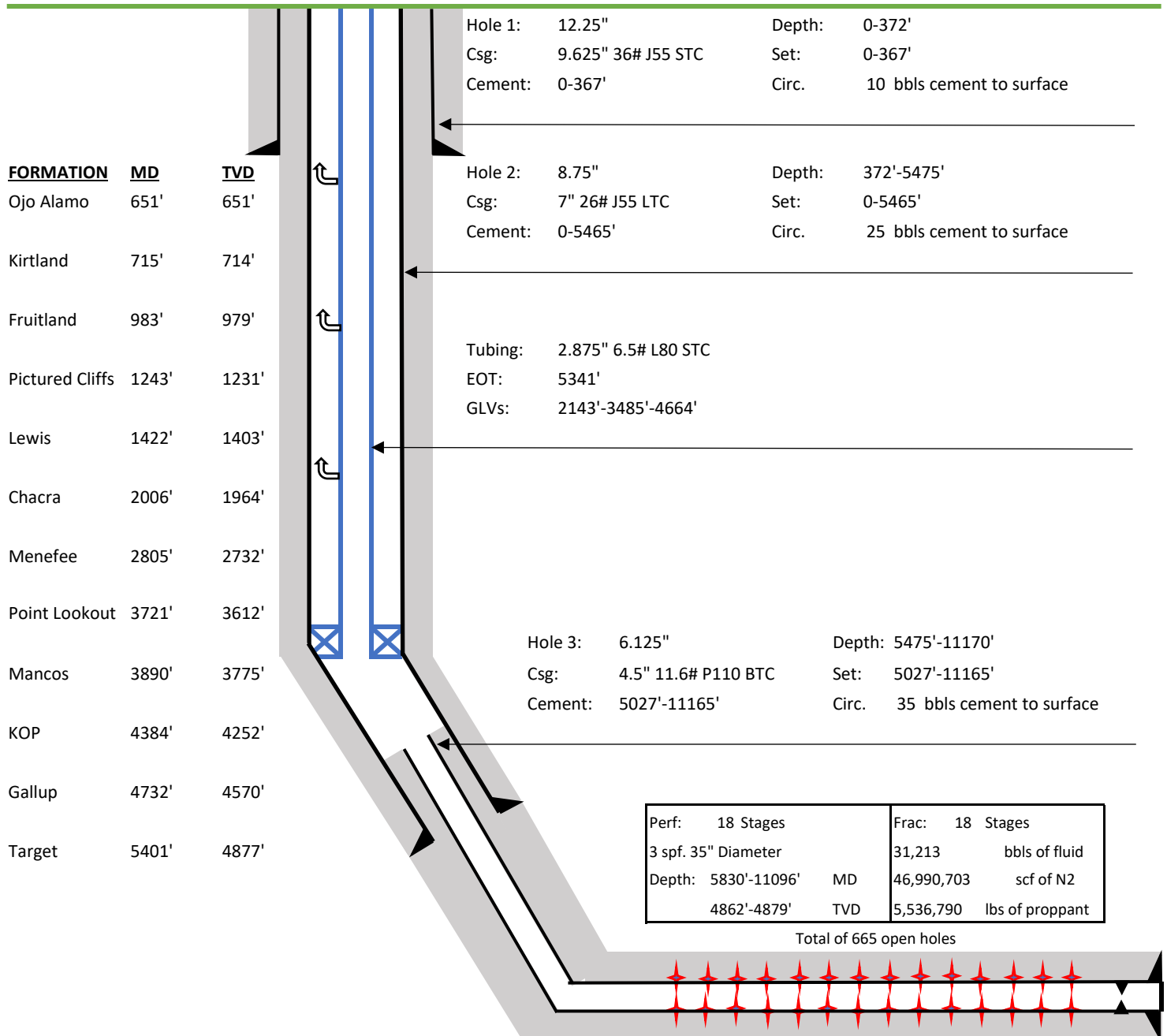
Lat: 36.155137 Long: -107.626598

Elevation: 6900' GL

Spud Date: 6/2/2021

Completed Date: 4/15/2022

Current Wellbore



11170'	MD
4860'	TVD
PBTD: 11151'	MD
FracSleeve: 11124'	MD

DISTRICT I1625 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) 476-3462State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 1, 2011OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505Submit one copy to appropriate
District Office☐ AMENDED REPORT
☒ ASDRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38219	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 507H
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		2497'	NORTH	548'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

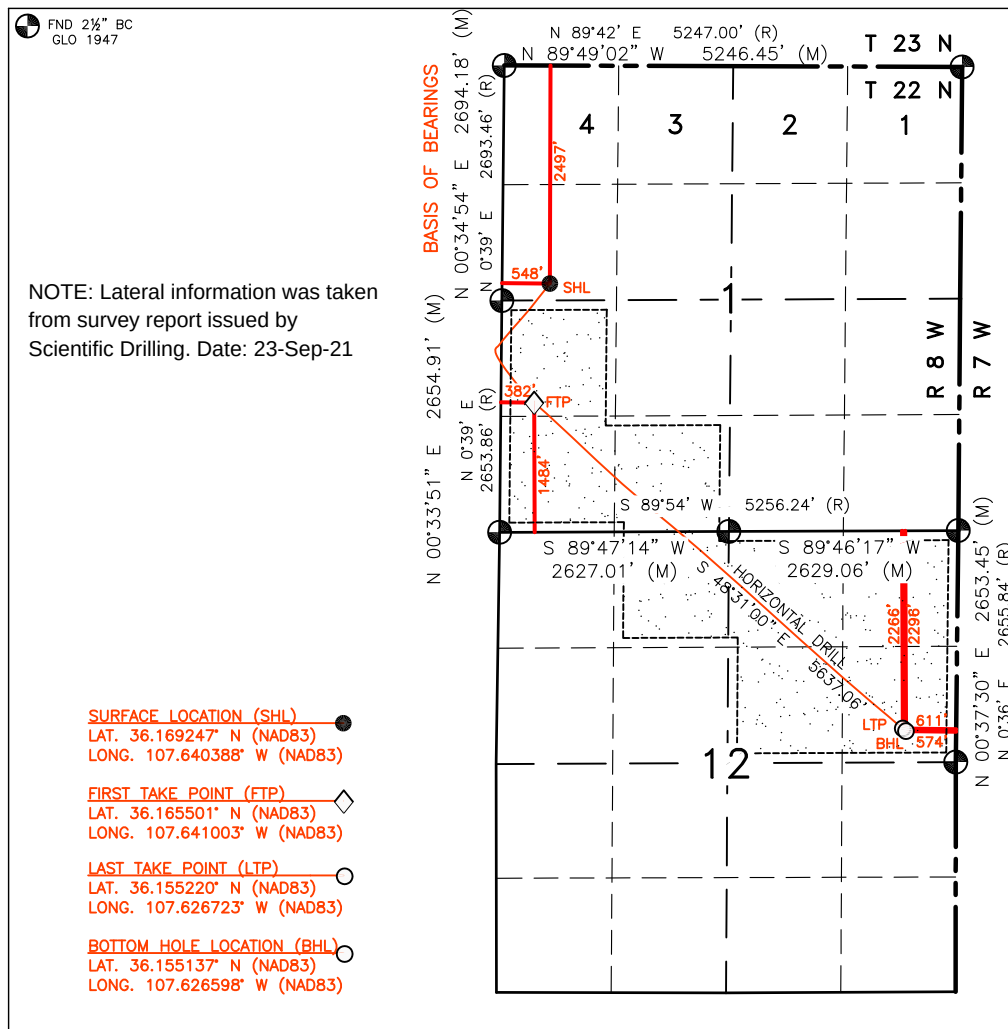
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	22N	8W		2296'	NORTH	574'	EAST	SAN JUAN

¹² Dedicated Acres
PENETRATED SPACING UNIT;
SEC 1: NW/SW, SW/SW & SE/SW (120 AC.);
SEC 12: NE/NW & NE/4 (200 AC.) = 320
ACRES TOTAL¹³ 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

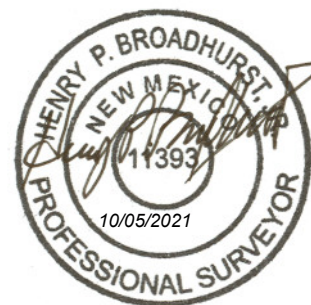
SURVEYOR CERTIFICATION

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



North Alamito Unit 507H

API: 30-045-38219

SHL: 2497' FNL x 548' FWL

ULSTR: E-01-22N-08W

Lat: 36.169247 Long: -107.640388

BHL: 2296' FNL x 574' FEL

ULSTR: H-12-22N-08W

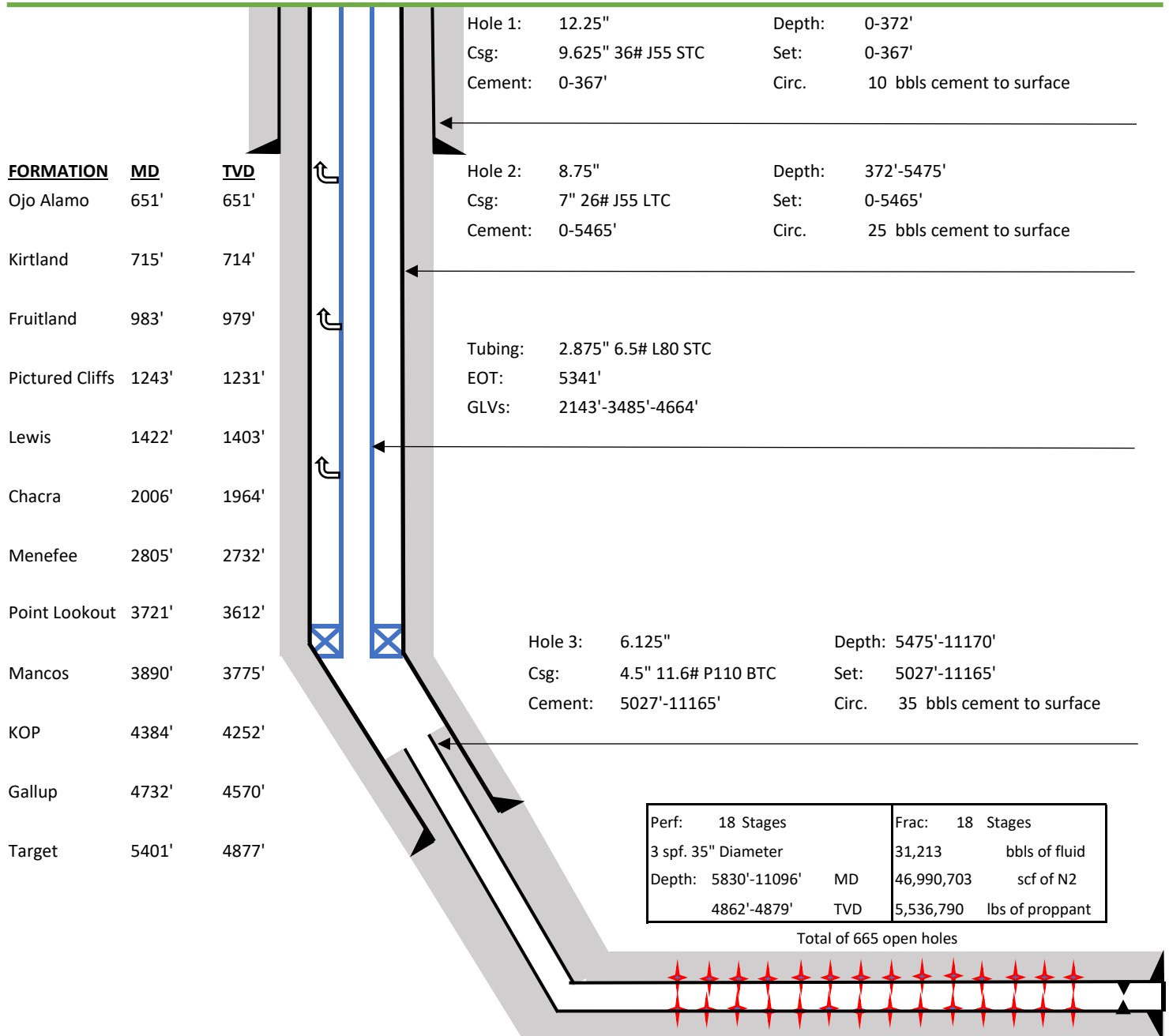
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Elevation: 6900' GL

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Current Wellbore



11170'	MD
4860'	TVD
PBTD: 11151'	MD
FracSleeve: 11124'	MD

District I

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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 121205

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 121205
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 121205

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 121205
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	6/29/2022