

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 30-045-38212	⁵ Pool Name Alamito N; Mancos (Oil)		⁶ Pool Code 98174
⁷ Property Code 325267	⁸ Property Name North Alamito Unit		⁹ Well Number 405H

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 517'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. M	Section 36	Township 23N	Range 8W	Lot Idn	Feet from the 880'	North/South line South	Feet from the 360'	East/West line West	County San Juan
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 12/15/21		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 06/04/21	²² Ready Date 12/02/21	²³ TD 10,540' MD 4,964' TVD	²⁴ PBTD 10,521 MD 4,964' TVD	²⁵ Perforations 5,494'-10,471' MD 4,958'- 4,965' TVD Frac Sleeve @ 10,494'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25		9.625" 36# J55		355'	109
8.75		7" 26# J55		5,269'	604
6.125		4.5" 11.6# P110		TOL: 5,002' BOL: 10,535'	468
		2.875" 6.5# L80 Tubing		5218'	

V. Well Test Data

³¹ Date New Oil 12/02/21	³² Gas Delivery Date 12/15/21	³³ Test Date 12/04/21	³⁴ Test Length 24	³⁵ Tbg. Pressure 604	³⁶ Csg. Pressure 1000
³⁷ Choke Size 38/64	³⁸ Oil 314	³⁹ Water 697	⁴⁰ Gas 1780		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 Approved by: <i>PATRICIA MARTINEZ</i>	
Printed name: Shaw-Marie Ford		Title: <i>PETROLEUM SPECIALIST</i>	
Title: Regulatory Specialist		Approval Date: <i>9/15/2022</i>	
E-mail Address: sford@djrlle.com			
Date: 12/27/21	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
☒ ASDRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38212	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 #405H
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	517'	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
M	36	23N	8W		880'	SOUTH	360'	WEST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 1: NE/SE, SE/NE, SW/NE, NW/NE, SE/NW,
NE/NW, NW/NW (282.25 AC.); SEC 36: SE/SW,
SW/SW (80 AC.) = 362.25 ACRES

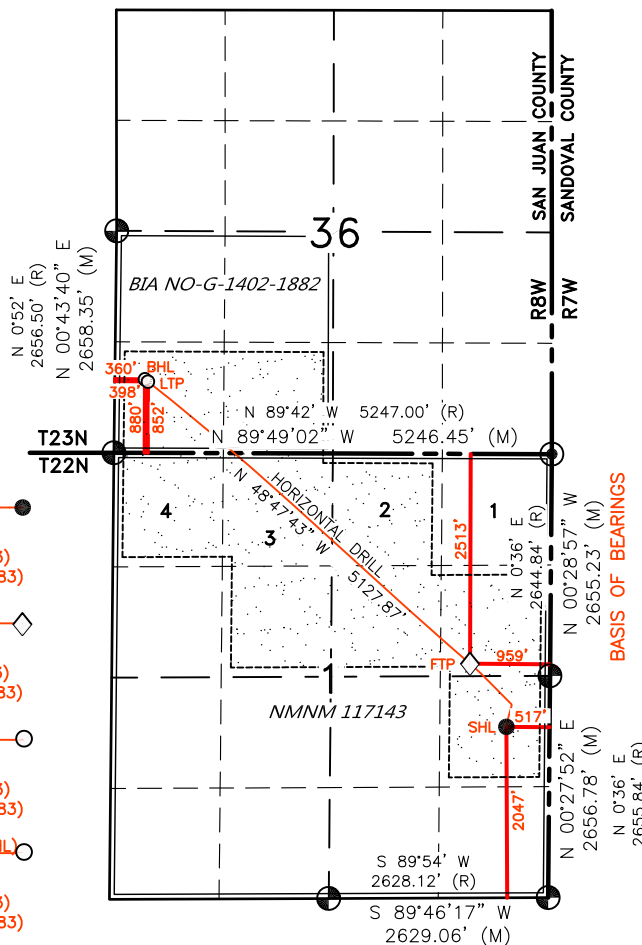
¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

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

FND 2 1/2" BC
GLO 1947
FND 4" BC
GLO 1947



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

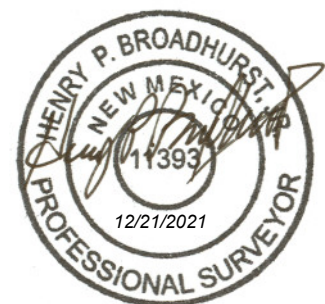
SURVEYOR CERTIFICATION

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

North Alamito Unit

I01 2208 Pad

#405H

End of Well Report



www.scientificdrilling.com

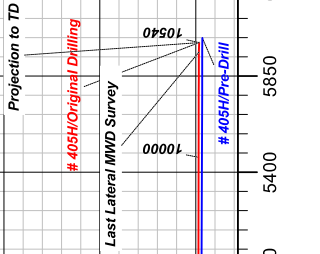
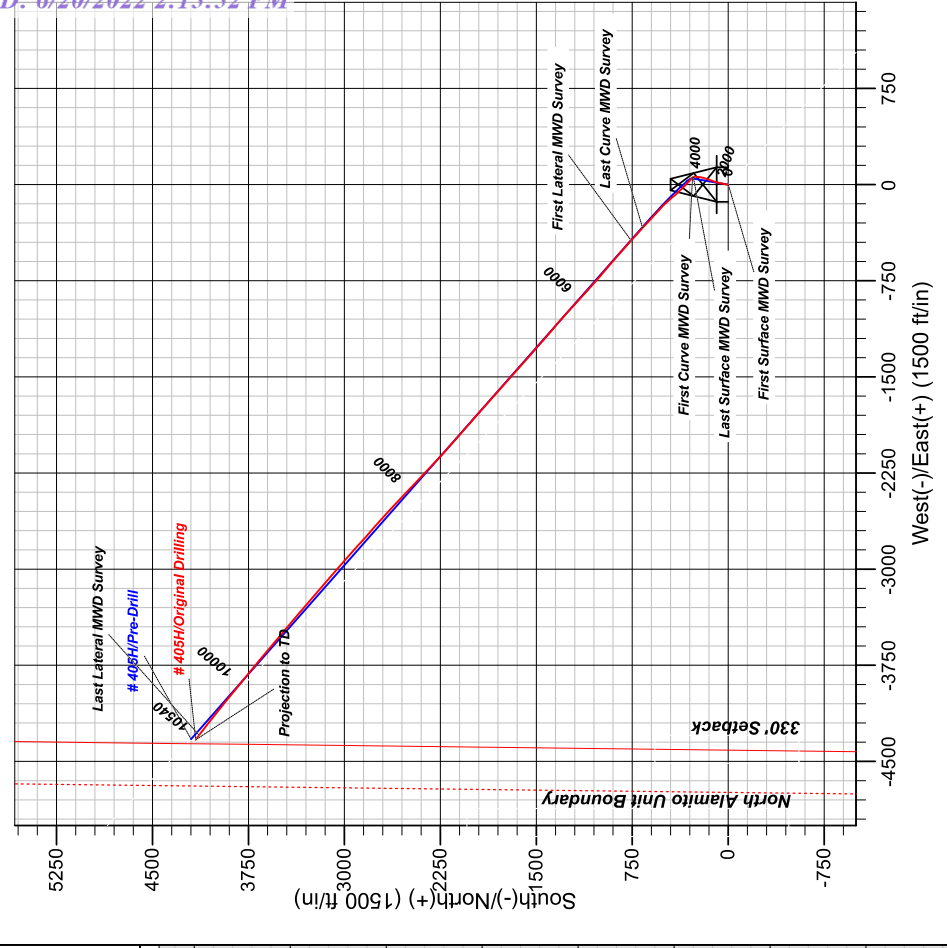
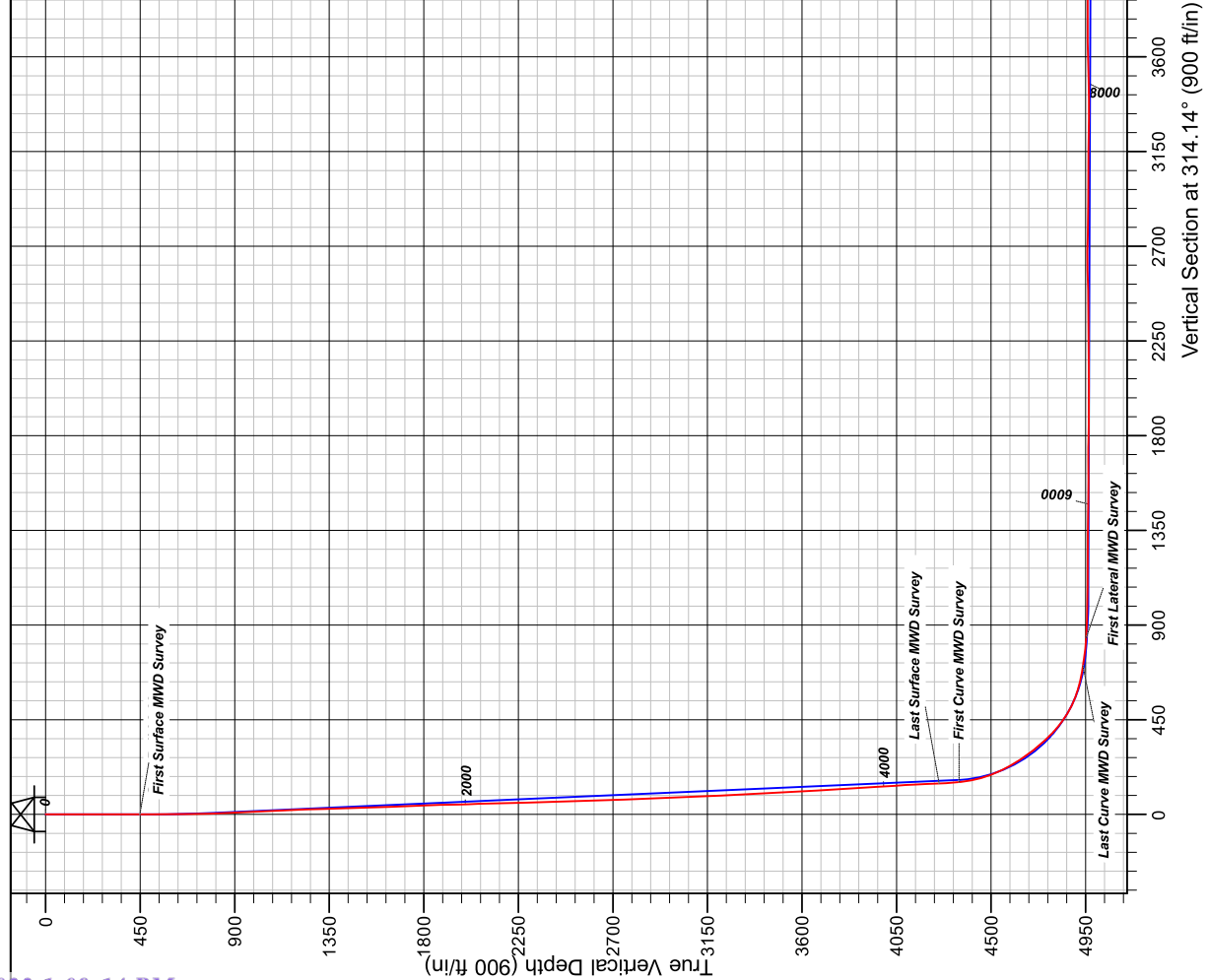


Company Name: DJR Operating
Project: North Alamito Unit
Site: I01 2208
Well: # 405H
Wellbore: Original Drilling



WELL DETAILS: # 405H

GL 6917' & RKB 25' @ 6942ft (Aztec 1000) 6917			
+N/-S	+E/-W	Northing	Longitude
0	0	1880174.78	-107.62623100
3			



Design: Original Drilling (# 405H/Original Drilling)

Created By: Janie Collins Date: 9:05, October 22 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

I01 2208

405H - Slot 3

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 # 405H - Slot 3
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:	# 405H	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
From:	Lat/Long	Easting:	2,784,180.65 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.16706600
		Longitude:	-107.62636600
		Grid Convergence:	0.12 °

Well	# 405H - Slot 3		
Well Position	+N/-S	0 ft	Northing: 1,880,174.78 usft
	+E/-W	0 ft	Easting: 2,784,220.50 usft
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.16706800
		Longitude:	-107.62623100
		Ground Level:	6917 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	10/2/2021	8.55	62.68	49,108.40000000

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	314.14	

Survey Program	Date	10/22/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
448	4264	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4359	5231	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5364	10,540	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	
448	0.55	216.95	448	-2	-1	0	0.12	0.12	0.00	
509	0.51	249.89	509	-2	-2	0	0.50	-0.07	54.00	
600	1.38	17.36	600	-1	-2	0	1.91	0.96	140.08	
782	2.70	9.08	782	5	0	4	0.74	0.73	-4.55	
873	4.70	12.92	873	11	1	7	2.21	2.20	4.22	
963	4.34	3.68	962	18	2	11	0.90	-0.40	-10.27	
1054	5.48	15.91	1053	26	3	16	1.69	1.25	13.44	
1144	4.46	10.82	1143	33	5	19	1.23	-1.13	-5.66	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 405H - Slot 3
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:	# 405H	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)	
1236	4.20	12.49	1234	40	6	23	0.31	-0.28	1.82	
1327	3.38	13.67	1325	46	8	26	0.91	-0.90	1.30	
1418	2.94	17.69	1416	51	9	29	0.54	-0.48	4.42	
1509	3.92	9.45	1507	56	10	32	1.20	1.08	-9.05	
1599	2.28	346.26	1597	61	10	35	2.26	-1.82	-25.77	
1690	3.37	6.64	1688	65	10	38	1.61	1.20	22.40	
1781	5.33	18.73	1778	72	12	41	2.37	2.15	13.29	
1876	4.47	23.35	1873	79	15	45	1.00	-0.91	4.86	
1970	4.23	21.72	1967	86	18	47	0.29	-0.26	-1.73	
2065	3.11	9.06	2062	92	19	50	1.45	-1.18	-13.33	
2160	3.32	15.15	2156	97	20	53	0.42	0.22	6.41	
2255	3.31	9.00	2251	102	22	56	0.37	-0.01	-6.47	
2350	3.67	20.02	2346	108	23	59	0.80	0.38	11.60	
2444	3.37	22.88	2440	113	25	61	0.37	-0.32	3.04	
2539	4.44	20.61	2535	119	28	63	1.14	1.13	-2.39	
2634	4.65	19.83	2629	126	30	66	0.23	0.22	-0.82	
2729	4.49	20.16	2724	133	33	69	0.17	-0.17	0.35	
2824	5.39	18.30	2819	141	35	73	0.96	0.95	-1.96	
2918	4.50	22.03	2912	149	38	76	1.01	-0.95	3.97	
3013	5.89	18.19	3007	157	41	80	1.51	1.46	-4.04	
3108	5.14	16.03	3102	166	44	84	0.82	-0.79	-2.27	
3203	6.79	15.38	3196	175	46	89	1.74	1.74	-0.68	
3298	6.86	16.83	3290	186	50	94	0.20	0.07	1.53	
3393	6.22	18.55	3385	196	53	99	0.70	-0.67	1.81	
3487	5.33	12.09	3478	205	55	103	1.17	-0.95	-6.87	
3582	4.93	10.90	3573	214	57	108	0.44	-0.42	-1.25	
3677	6.26	5.32	3667	223	58	113	1.51	1.40	-5.87	
3771	6.18	7.14	3761	233	59	120	0.23	-0.09	1.94	
3866	5.89	10.34	3855	243	61	125	0.47	-0.31	3.37	
3961	4.58	2.12	3950	251	62	131	1.59	-1.38	-8.65	
4055	5.20	355.79	4044	259	62	136	0.87	0.66	-6.73	
4150	3.35	347.99	4138	266	61	142	2.04	-1.95	-8.21	
4169	3.37	352.04	4157	267	61	143	1.25	0.11	21.32	
4264	2.67	337.61	4252	272	59	147	1.08	-0.74	-15.19	
4359	5.62	324.20	4347	278	56	154	3.25	3.11	-14.12	
4453	14.16	310.93	4440	289	44	170	9.34	9.09	-14.12	
4548	23.93	313.78	4529	310	22	201	10.33	10.28	3.00	
4643	31.47	313.40	4613	341	-10	245	7.94	7.94	-0.40	
4738	37.44	315.87	4692	379	-48	298	6.45	6.28	2.60	
4833	43.15	320.76	4764	425	-89	360	6.87	6.01	5.15	
4928	51.99	317.74	4828	478	-135	429	9.59	9.31	-3.18	
5023	62.68	312.89	4879	534	-191	509	12.04	11.25	-5.11	
5118	74.75	312.83	4914	594	-256	597	12.71	12.71	-0.06	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 405H - Slot 3
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:	# 405H	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)
5213	79.81	312.04	4935	657	-324	690	5.39	5.33	-0.83
5231	81.45	311.76	4938	669	-338	708	9.24	9.11	-1.56
5364	85.67	312.43	4952	757	-436	840	3.21	3.17	0.50
5458	89.26	311.35	4957	820	-505	934	3.99	3.82	-1.15
5552	89.26	311.45	4958	882	-576	1028	0.11	0.00	0.11
5646	89.50	310.54	4959	944	-647	1121	1.00	0.26	-0.97
5740	89.56	310.24	4960	1005	-719	1215	0.33	0.06	-0.32
5834	89.46	312.94	4960	1067	-789	1309	2.87	-0.11	2.87
5929	89.33	312.63	4961	1131	-859	1404	0.35	-0.14	-0.33
6020	89.13	312.03	4963	1193	-926	1495	0.69	-0.22	-0.66
6112	90.37	311.61	4963	1254	-994	1587	1.42	1.35	-0.46
6202	90.64	311.33	4962	1314	-1062	1677	0.43	0.30	-0.31
6293	88.05	309.61	4963	1373	-1131	1768	3.42	-2.85	-1.89
6384	89.63	311.07	4965	1432	-1200	1858	2.36	1.74	1.60
6474	90.57	312.33	4965	1492	-1268	1948	1.75	1.04	1.40
6565	90.44	311.38	4964	1552	-1335	2039	1.05	-0.14	-1.04
6656	90.00	311.53	4964	1612	-1404	2130	0.51	-0.48	0.16
6747	89.93	312.47	4964	1673	-1471	2221	1.04	-0.08	1.03
6838	89.80	311.99	4964	1735	-1539	2312	0.55	-0.14	-0.53
6928	91.34	311.04	4963	1794	-1606	2402	2.01	1.71	-1.06
7019	91.27	311.52	4961	1854	-1674	2493	0.53	-0.08	0.53
7109	91.85	311.05	4959	1914	-1742	2583	0.83	0.64	-0.52
7200	89.33	311.80	4958	1974	-1810	2674	2.89	-2.77	0.82
7292	88.26	310.57	4960	2034	-1879	2765	1.77	-1.16	-1.34
7382	89.70	312.33	4961	2094	-1947	2855	2.53	1.60	1.96
7474	89.53	311.24	4962	2155	-2015	2947	1.20	-0.18	-1.18
7565	89.56	311.24	4963	2215	-2084	3038	0.03	0.03	0.00
7655	89.46	313.52	4963	2276	-2150	3128	2.54	-0.11	2.53
7745	89.46	312.59	4964	2337	-2216	3218	1.03	0.00	-1.03
7836	89.93	315.22	4965	2400	-2282	3309	2.94	0.52	2.89
7926	89.50	314.42	4965	2464	-2345	3399	1.01	-0.48	-0.89
8016	91.75	313.39	4964	2526	-2410	3489	2.75	2.50	-1.14
8106	92.04	312.99	4961	2588	-2476	3579	0.55	0.32	-0.44
8197	89.97	311.53	4960	2649	-2543	3670	2.78	-2.27	-1.60
8288	90.70	312.58	4959	2710	-2611	3761	1.41	0.80	1.15
8379	89.53	311.46	4959	2771	-2678	3852	1.78	-1.29	-1.23
8471	89.87	311.68	4959	2832	-2747	3944	0.44	0.37	0.24
8563	90.10	311.60	4959	2893	-2816	4036	0.26	0.25	-0.09
8653	89.97	311.41	4959	2953	-2883	4125	0.26	-0.14	-0.21
8744	89.60	311.15	4960	3013	-2952	4216	0.50	-0.41	-0.29
8835	90.37	311.77	4960	3073	-3020	4307	1.09	0.85	0.68
8926	89.80	311.32	4960	3133	-3088	4398	0.80	-0.63	-0.49
9017	89.80	311.03	4960	3193	-3157	4489	0.32	0.00	-0.32



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 405H - Slot 3
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:	# 405H	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)	
9107	90.10	310.89	4960	3252	-3224	4579	0.37	0.33	-0.16	
9199	89.43	310.18	4960	3312	-3294	4671	1.06	-0.73	-0.77	
9290	89.70	310.48	4961	3371	-3364	4761	0.44	0.30	0.33	
9380	90.03	310.48	4961	3429	-3432	4851	0.37	0.37	0.00	
9471	89.70	310.01	4961	3488	-3502	4942	0.63	-0.36	-0.52	
9562	89.87	310.12	4962	3547	-3571	5033	0.22	0.19	0.12	
9654	90.00	309.82	4962	3606	-3642	5125	0.36	0.14	-0.33	
9746	89.56	309.59	4962	3665	-3713	5216	0.54	-0.48	-0.25	
9836	90.03	309.77	4963	3722	-3782	5306	0.56	0.52	0.20	
9927	89.53	309.08	4963	3780	-3852	5397	0.94	-0.55	-0.76	
10,019	90.07	309.64	4963	3838	-3923	5488	0.85	0.59	0.61	
10,109	89.80	309.22	4963	3895	-3993	5578	0.55	-0.30	-0.47	
10,200	90.17	308.88	4963	3953	-4063	5669	0.55	0.41	-0.37	
10,292	89.56	308.34	4964	4010	-4135	5760	0.89	-0.66	-0.59	
10,382	90.27	308.48	4964	4066	-4206	5850	0.80	0.79	0.16	
10,474	89.30	307.39	4964	4123	-4278	5941	1.59	-1.05	-1.18	
10,494	89.36	307.33	4964	4135	-4294	5961	0.42	0.30	-0.30	
10,540	89.36	307.33	4965	4163	-4331	6007	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	
405H 85° Casing	0.00	0.00	4947	697	-362	1,880,870.87	2,783,856.80	36.16898237	-107.62745819	
- hit/miss target										
- Shape										
- actual wellpath misses target center by 6ft at 5269ft MD (4943 TVD, 694 N, -366 E)										
- Point										
405H Heel	0.00	0.00	4962	862	-544	1,881,035.14	2,783,674.63	36.16943470	-107.62807420	
- actual wellpath misses target center by 7ft at 5515ft MD (4957 TVD, 857 N, -548 E)										
- Circle (radius 50)										
405H Toe	0.00	0.00	4980	4198	-4326	1,884,363.81	2,779,885.24	36.17860020	-107.64089050	
- actual wellpath misses target center by 39ft at 10540ft MD (4965 TVD, 4163 N, -4331 E)										
- Circle (radius 100)										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
448	448	-2	-1	First Surface MWD Survey	
4264	4252	272	59	Last Surface MWD Survey	
4359	4347	278	56	First Curve MWD Survey	
5231	4938	669	-338	Last Curve MWD Survey	
5364	4952	757	-436	First Lateral MWD Survey	
10,494	4964	4135	-4294	Last Lateral MWD Survey	
10,540	4965	4163	-4331	Projection to TD	

**Scientific Drilling**
Survey Report

Company:	DJR Operating	Local Co-ordinate Reference:	Well # 405H - Slot 3
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:	# 405H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

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 405H
County & State	San Juan, NM
SDI Job No.	OP.030892
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 448 feet to a measured depth of 10,540 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

Well Name: NORTH ALAMITO UNIT	Well Location: T22N / R8W / SEC 1 / NESE / 36.167068 / -107.626231	County or Parish/State: SAN JUAN / NM
Well Number: 405H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: NMNM117143	Unit or CA Name: /1/NORTH ALAMITO UNIT	Unit or CA Number: NMNM135229A
US Well Number: 3004538212	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2647929

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 12/08/2021	Time Sundry Submitted: 02:17
Date Operation Actually Began: 11/10/2021	

Actual Procedure: Completion Sundry 11/10/21: PT 4.5 inch x 7 inch casing to 2000 psi for 5 min, test good. Bleed down 7 inch to 1000 psi, pressure up 4.5 inch to 7500 psi & hold for 15 min. PT lower frac stack low 350 psi, high 9600 psi for 5 min. Test good & recorded on chart. 11/11/21 to 11/12/21: Pump down 4.5 inch casing, Alpha Sleeve opened at 8672 psi. 11/13/21 to 11/21/21: RIH with 3.125" gun string, 180 pbs, 3 spf, .35 diameter. 17 stages from 5494' to 10471' (4957' to 4964' TVD). Total of open holes: 595. Isolation plugs set from 5773' to 10193'. Kill plug at 5305'. Frac'd with 26,952 bbls of fluid. 2,570,103 scf of N2. 5,221,350 lbs of proppant. 11/26/21: MIRU AWS 812. NU BOP. PT blind & pipe rams low 250 psi, high 3500 psi for 10 min. PT annular low 250 psi, high 1500 psi for 10 min. PT N2 iron low 500 psi, 1000 psi, 2500 psi, high 4200 psi. Tests good & recorded on chart. 11/27/21 to 11/29/21: TIH. Mill plugs 1 – 17. TOH. 11/30/21: PT 2.875" pipe rams: low 500 psi, high 2000 psi. Test good & recorded on chart. TIH with production string. Land 159 jts of 2.875" 6.5# L80 STC tubing. EOT: 5218'. Three GLVs installed at 4864', 3619', 2116'. Install production tree. PT 2.875" 6.5# L80 tubing hanger & wellhead 5000 psi for 30 min. Test good & recorded on chart. Rig AWS 812 released on 11/30/21.

Well Name: NORTH ALAMITO UNIT	Well Location: T22N / R8W / SEC 1 / NESE / 36.167068 / -107.626231	County or Parish/State: SAN JUAN / NM
Well Number: 405H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: NMNM117143	Unit or CA Name: /1/NORTH ALAMITO UNIT	Unit or CA Number: NMNM135229A
US Well Number: 3004538212	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 08, 2021 02:17 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: 12/09/2021
Signature: Kenneth Rennick	



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

Well Completion Print

06/20/2022

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 405H	US Well Number 3004538212
SHL NESE 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 NAVAJO NATION	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058414

Amended on 06/20/22 to correct Interval Top & Bottom depth & include Production Test data per NMOCD on 06/14/22.

Section 1 - General

Well Completion Report Id: 84938	Submission Date: N/A until DB	
BLM Office: Farmington Field Office	User: SHAW-MARIE FORD	Title: Regulatory Specialist
Federal/Indian: INDIAN	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 (Oil)	Field Name: BASIN MANCOS
Well Type: OIL WELL		
Spud Date: 06-04-2021		
Date Total Measured Depth Reached: 10-15-2021		
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	725	726	USEABLE WATER	
KIRTLAND	SHALE		-788	788	789	NONE	

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 405H	US Well Number 3004538212
SHL NESE 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 NAVAJO NATION	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058414

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-1053	1053	1056	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1305	1305	1309	USEABLE WATER	
LEWIS	SHALE		-1477	1477	1482	NONE	
CHACRA	SANDSTONE		-2038	2038	2047	NONE	
MENEFEE	COAL, SANDSTONE		-2806	2806	2820	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3686	3686	3705	NONE	
MANCOS	SHALE		-3849	3849	3869	NONE	
MANCOS	SILTSTONE		-4153	4153	4175	NATURAL GAS, OIL	
GALLUP	SILTSTONE		-4644	4644	4685	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4701	4701	4754	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4801	4801	4892	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4951	4951	5337	NATURAL GAS, OIL	

Completion and Completed

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 405H	US Well Number 3004538212
SHL NESE 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 NAVAJO NATION	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058414

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	11-30-2021	12-02-2021	GALLUP	5494	10471	Y	.35	595	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	26952	5221350	Amended on 06/20/2022 to correct Interval Top & Bottom depth & include Production Test data per the NMOCD on 06/14/22. Chemical Disclosure uploaded to FracFocus on 12/07/21

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
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Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 405H	US Well Number 3004538212
SHL NESE 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 NAVAJO NATION	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058414

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	

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	12/04/2021	24	314	1780	697	5668	38/64	604		1000

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	-107.626231	6917	FEDERAL	NMNM117143				2047	FSL	517	FEL	22N	8W	1	NESE

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 405H	US Well Number 3004538212
SHL NESE 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 NAVAJO NATION	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058414

	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
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.167068	-107.626231	6562	FEDERAL	NMNM117143				2047	FSL	517	FEL	22N	8W	1	NESE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.176098	-107.637244	1953	INDIAN	N0G14021882				1	FSL	1445	FWL	23N	8W	36	SESW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.16915	-107.627703	1968	FEDERAL	NMNM117143				2513	FNL	959	FEL	22N	8W	1	SENE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.178451	-107.640751	1953	INDIAN	N0G14021882				852	FSL	398	FWL	23N	8W	36	SWSW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.178528	-107.640876	1953	INDIAN	N0G14021882	4964	10521		880	FSL	360	FWL	23N	8W	36	SWSW

Casing, Liner and Tubing

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 405H	US Well Number 3004538212
SHL NESE 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 NAVAJO NATION	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058414

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	355	9.625	36	J-55		ST&C		0
00	INTERMEDIATE	8.75	0	5269	7.0	26	J-55		LT&C		0
00	LINER	6.125	5002	10535	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		G	376	2.32	0	G	228	1.5	3896	216.3
00	LINER		G	468	1.56	5002					130

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		5218		6	L-80		ST&C	

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 405H	US Well Number 3004538212
SHL NESE 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 NAVAJO NATION	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058414

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

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:** 06/20/2022**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**

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 405H	US Well Number 3004538212
SHL NESE 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 NAVAJO NATION	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058414

405H_Certified_EOW_DD_Survey_20220620140149.pdf

NAU_405H_As_Drilled_Plat_WBD_20220620140200.pdf



North Alamito Unit 405H

API: 30-045-38212

SHL: 2047' FSL x 517' FEL

ULSTR: I-01-22N-08W

Lat: 36.167068 Long: -107.626231

BHL: 880' FSL x 360' FWL

ULSTR: M-36-23N-08W

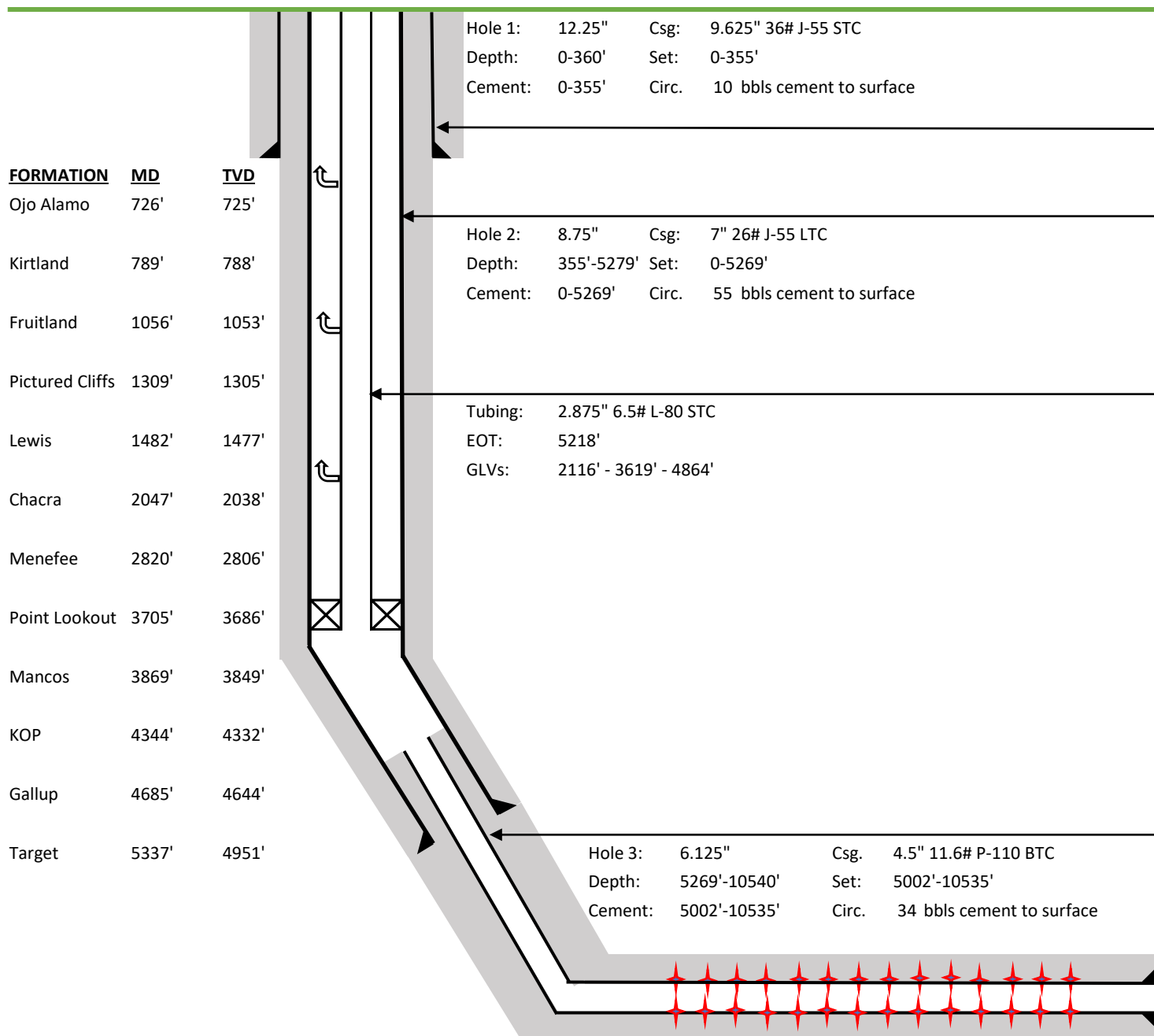
Lat: 36.178528 Long: -107.640876

Elevation: 6917' GL

Spud Date: 6/4/2021

Completed: 11/30/2021

Current Wellbore



Perf:	17 Stages	Frac:	17 Stages	10540' MD
3 spf.	.35" diameter	26,952	bbls of fluid	4964' TVD
Depth:	5494'-10471' MD	2,570,103	scf of N2	PBTD: 10521' MD
	4957'-4964' TVD	5,221,350	lbs of proppant	FracSleeve: 10494' MD

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 118808

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 118808
	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
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

CONDITIONS

Action 118808

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 118808
	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.	9/15/2022