

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
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

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address DJR Operating, LLC 1 Road 3263 Aztec, NM 87410		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30 – 043 – 21502	⁵ Pool Name Alamito N; Mancos (O)		⁶ Pool Code 98174
⁷ Property Code 325267	⁸ Property Name North Alamito Unit		⁹ Well Number 236H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	29	23N	7W		1676	South	815	West	Sandoval

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	19	23N	7W	3	1729	South	964	West	Sandoval
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date TBD	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refining Company, LP	O
	15 Smith Road, Suite 1000, Midland, TX 79705	
151618	Enterprise Field Services, LLC	G
	Post Office Box 4324, Houston, TX 77210	
	~During flowback, gas will be routed to a properly sized controlled combustion device with a continuous pilot and flared until pipeline specifications are met~	

IV. Well Completion Data

²¹ Spud Date 12/15/2022	²² Ready Date 07/26/2023	²³ TD 13,555’ MD 5,154’ TVD	²⁴ PBDT 13,573’ MD 5,154’ TVD	²⁵ Perforations 5,702’ – 13,474’ MD 5,112’ – 5,154’ TVD Frac Sleeve @ 13,502’	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12.25	9.625” 36# J55	403’	109		
8.75	7” 26# J55	5,607’	610		
6.125	4.5” 11.6# P110	TOL: 5,352’ BOL: 13,550’	710		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Shaw-Marie Ford</i> Printed name: Shaw-Marie Ford Title: Regulatory Specialist E-mail Address: sford@djrlle.com Date: 06/05/23		OIL CONSERVATION DIVISION	
		Approved by: <i>PATRICIA MARTINEZ</i>	
		Title: <i>PETROLEUM SPECIALIST</i>	
		Approval Date: <i>7/20/2023</i>	
		<i>RT EXPIRES 10/20/2023</i>	

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 30-043-21502	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 236H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6875'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	29	23N	7W		1676'	SOUTH	815'	WEST	SANDOVAL

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
L	19	23N	7W	3	1729'	SOUTH	964'	WEST	SANDOVAL

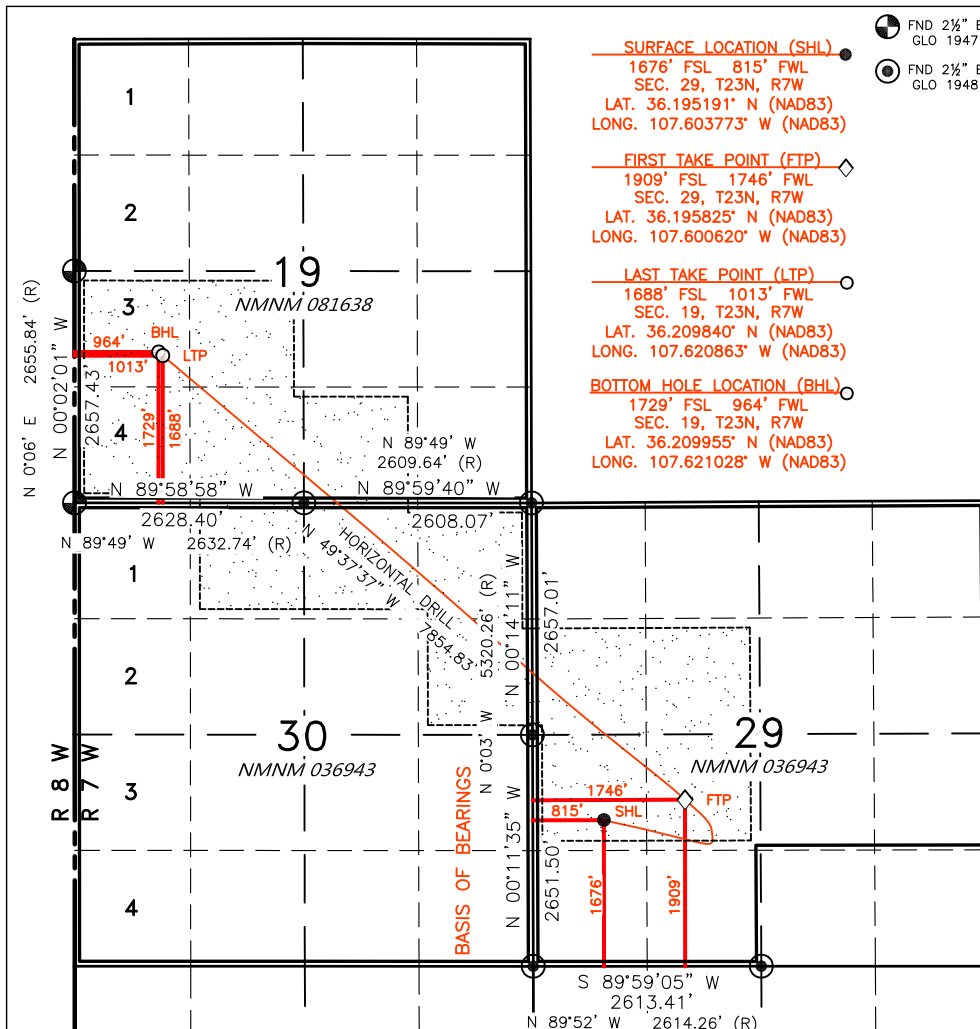
¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 29: NE/SW, NW/SW, SE/NW & SW/NW (160
AC.); SEC 30: SE/NE, NE/NE, NW/NE & NE/NW
(160 AC.); SEC 19: SW/SE & SW/4 (201.50 AC.)
= 521.50 ACRES

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 2 1/2" BC
GLO 1948

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 04/25/23
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.

FEBRUARY 6, 2023

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393



DJR
North Alamito
L29 2307
236H

End of Well Report



www.scientificdrilling.com





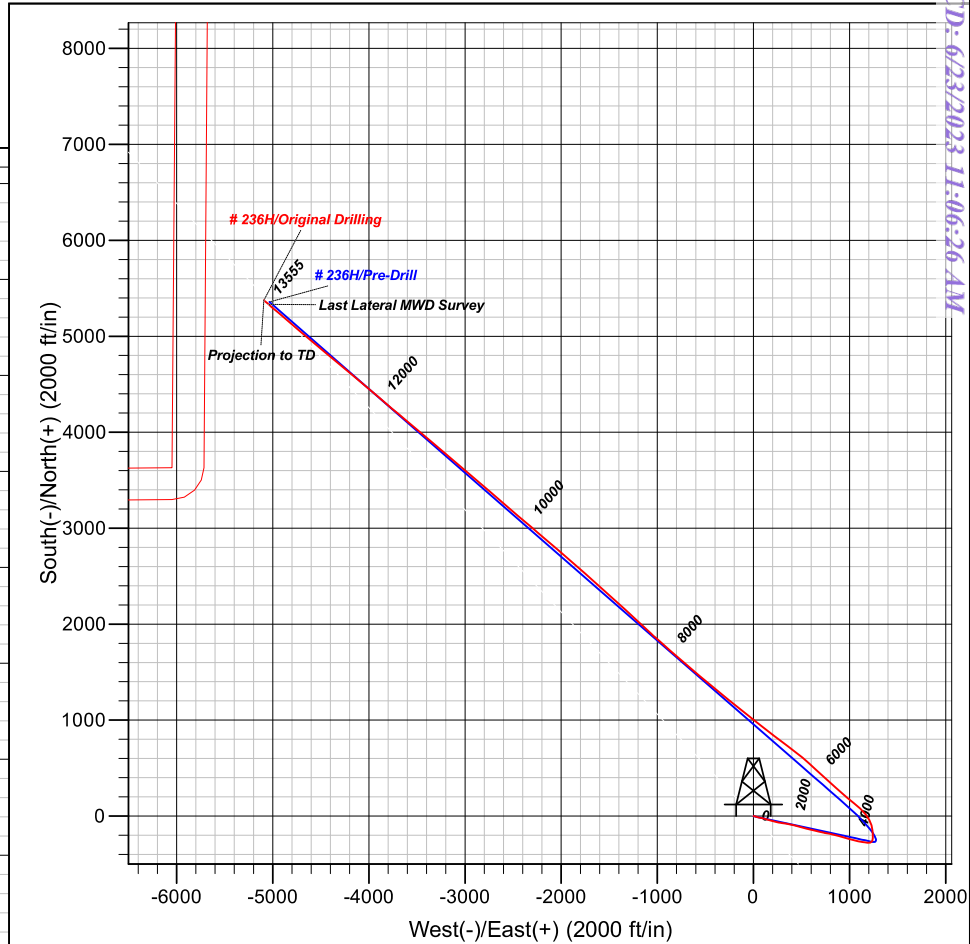
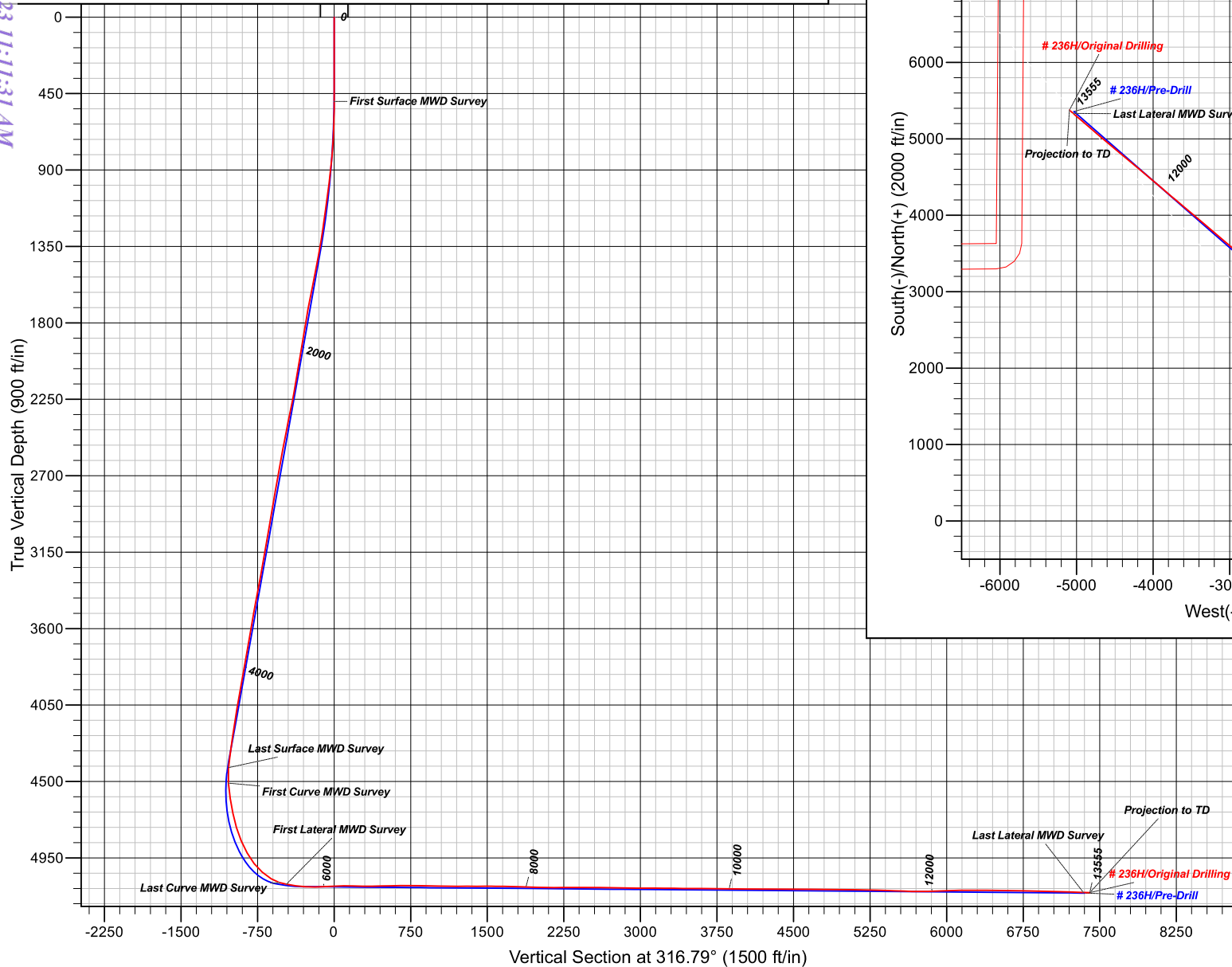
Company Name: DJR Operating
Project: North Alamito Unit
Site: L29 2307 Pad
Well: # 236H
Wellbore: Original Drilling



WELL DETAILS: # 236H

GL 6875' & RKB 26' @ 6901ft (H&P 443) 6875

+E/-W	Northing	Easting	Latitude	Longitude
0	1890427.00	2790825.05	36.19519100	-107.60377300



Design: Original Drilling (# 236H/Original Drilling)

Created By: Janie Collins Date: 11:08, February 02 2023

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

L29 2307 Pad

236H - Slot 2

Original Drilling

Design: Original Drilling

Standard Survey Report

02 February, 2023



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 236H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Site:	L29 2307 Pad	MD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Well:	# 236H	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		L29 2307 Pad				
Site Position:		Northing:	1,890,427.01	usft	Latitude:	36.19519100
From:	Lat/Long	Easting:	2,790,825.05	usft	Longitude:	-107.60377300
Position Uncertainty:		0	ft	Slot Radius:	13.20	in
				Grid Convergence:	0.14	°

Well		# 236H - Slot 2				
Well Position	+N/-S	0 ft	Northing:	1,890,427.01 usft	Latitude:	36.19519100
	+E/-W	0 ft	Easting:	2,790,825.05 usft	Longitude:	-107.60377300
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6875 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2023	1/18/2023	8.43	62.63	48,994.00000000

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	316.79	

Survey Program	Date	1/23/2023			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
496	4625	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4720	5563	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5633	13,555	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	
496	0.50	63.74	496	1	2	-1	0.10	0.10	0.00	
587	1.95	98.60	587	1	4	-2	1.72	1.59	38.31	
679	4.94	105.16	679	0	9	-7	3.27	3.25	7.13	
770	8.00	104.55	769	-3	19	-15	3.36	3.36	-0.67	
861	10.57	106.13	859	-7	33	-28	2.84	2.82	1.74	
952	13.60	106.40	948	-12	52	-44	3.33	3.33	0.30	
1042	15.12	102.99	1035	-18	73	-63	1.93	1.69	-3.79	
1133	14.81	101.83	1123	-23	96	-82	0.47	-0.34	-1.27	



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 236H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Site:	L29 2307 Pad	MD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Well:	# 236H	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)	
1223	15.14	104.36	1210	-28	119	-102	0.81	0.37	2.81	
1314	17.02	106.68	1297	-35	143	-123	2.18	2.07	2.55	
1405	19.20	106.93	1384	-43	170	-148	2.40	2.40	0.27	
1494	21.04	104.31	1468	-51	200	-174	2.30	2.07	-2.94	
1585	21.88	102.78	1552	-59	232	-202	1.11	0.92	-1.68	
1676	21.90	101.93	1637	-66	265	-230	0.35	0.02	-0.93	
1766	20.86	98.74	1720	-72	297	-256	1.73	-1.16	-3.54	
1857	19.32	97.68	1806	-77	328	-281	1.74	-1.69	-1.16	
1952	18.73	100.80	1896	-82	359	-305	1.24	-0.62	3.28	
2045	19.53	102.72	1984	-88	389	-330	1.09	0.86	2.06	
2140	17.63	102.04	2074	-94	418	-355	2.01	-2.00	-0.72	
2235	18.85	104.57	2164	-101	447	-380	1.53	1.28	2.66	
2330	20.37	105.40	2253	-110	478	-407	1.63	1.60	0.87	
2424	22.18	105.56	2341	-119	511	-436	1.93	1.93	0.17	
2519	20.91	105.44	2429	-128	544	-466	1.34	-1.34	-0.13	
2614	21.05	104.71	2518	-137	577	-495	0.31	0.15	-0.77	
2709	18.75	103.27	2607	-145	609	-522	2.48	-2.42	-1.52	
2804	19.67	103.50	2697	-152	639	-548	0.97	0.97	0.24	
2899	20.24	102.33	2786	-159	671	-575	0.73	0.60	-1.23	
2993	18.39	101.73	2875	-166	701	-601	1.98	-1.97	-0.64	
3089	20.76	101.24	2965	-172	733	-627	2.47	2.47	-0.51	
3184	17.83	100.02	3055	-178	763	-652	3.11	-3.08	-1.28	
3279	19.48	100.70	3145	-183	793	-677	1.75	1.74	0.72	
3373	19.98	103.47	3234	-190	824	-703	1.13	0.53	2.95	
3468	20.63	105.14	3323	-198	856	-731	0.92	0.68	1.76	
3563	20.43	106.19	3412	-207	888	-759	0.44	-0.21	1.11	
3658	18.86	106.21	3501	-216	919	-787	1.65	-1.65	0.02	
3753	18.38	106.38	3591	-225	948	-813	0.51	-0.51	0.18	
3848	18.70	106.95	3681	-233	977	-839	0.39	0.34	0.60	
3943	18.92	103.78	3771	-241	1007	-865	1.10	0.23	-3.34	
4038	18.74	102.99	3861	-248	1036	-891	0.33	-0.19	-0.83	
4133	20.97	102.98	3950	-256	1068	-917	2.35	2.35	-0.01	
4228	18.19	102.98	4040	-263	1099	-944	2.93	-2.93	0.00	
4323	17.71	100.99	4130	-269	1128	-968	0.82	-0.51	-2.09	
4418	18.15	97.44	4221	-274	1156	-991	1.24	0.46	-3.74	
4513	17.83	96.10	4311	-277	1185	-1014	0.55	-0.34	-1.41	
4531	17.33	96.06	4328	-278	1191	-1018	2.78	-2.78	-0.22	
4625	15.60	72.33	4418	-275	1217	-1034	7.33	-1.84	-25.24	
4720	17.17	30.02	4510	-259	1236	-1035	12.40	1.65	-44.54	
4815	21.03	1.69	4600	-230	1244	-1019	10.44	4.06	-29.82	
4910	24.13	358.08	4688	-193	1244	-992	3.57	3.26	-3.80	
5005	31.63	351.82	4772	-149	1239	-957	8.46	7.89	-6.59	
5100	38.43	345.57	4849	-96	1228	-911	8.09	7.16	-6.58	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 236H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Site:	L29 2307 Pad	MD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Well:	# 236H	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)
5195	44.12	331.77	4921	-38	1205	-853	11.27	5.99	-14.53
5290	52.70	321.06	4984	21	1166	-783	12.33	9.03	-11.27
5385	62.42	313.00	5035	79	1111	-703	12.48	10.23	-8.48
5480	69.76	309.57	5073	136	1046	-617	8.40	7.73	-3.61
5563	80.69	308.00	5094	186	983	-537	13.29	13.17	-1.89
5633	82.53	312.07	5105	231	930	-469	6.32	2.63	5.81
5727	85.09	312.25	5115	294	861	-376	2.73	2.72	0.19
5821	88.15	311.65	5120	356	791	-282	3.32	3.26	-0.64
5916	90.84	312.44	5121	420	721	-187	2.95	2.83	0.83
6010	91.68	312.67	5119	483	652	-94	0.93	0.89	0.24
6104	91.88	312.00	5116	547	582	0	0.74	0.21	-0.71
6198	90.10	310.28	5115	609	511	93	2.63	-1.89	-1.83
6292	89.13	307.47	5115	668	438	187	3.16	-1.03	-2.99
6386	89.76	307.06	5116	724	363	279	0.80	0.67	-0.44
6479	90.13	307.22	5116	781	289	371	0.43	0.40	0.17
6573	90.60	307.25	5116	837	214	464	0.50	0.50	0.03
6667	90.77	307.42	5115	894	140	556	0.26	0.18	0.18
6761	91.01	309.47	5113	953	66	649	2.20	0.26	2.18
6855	89.70	308.83	5112	1012	-7	742	1.55	-1.39	-0.68
6949	89.16	308.49	5113	1071	-80	836	0.68	-0.57	-0.36
7043	89.06	308.39	5115	1129	-154	929	0.15	-0.11	-0.11
7137	89.40	308.39	5116	1188	-228	1022	0.36	0.36	0.00
7231	90.00	308.81	5117	1246	-301	1115	0.78	0.64	0.45
7325	90.34	309.45	5116	1306	-374	1208	0.77	0.36	0.68
7419	89.43	309.90	5117	1366	-446	1301	1.08	-0.97	0.48
7514	89.97	310.58	5117	1427	-519	1395	0.91	0.57	0.72
7608	90.37	310.41	5117	1488	-590	1489	0.46	0.43	-0.18
7702	89.30	310.87	5117	1549	-662	1582	1.24	-1.14	0.49
7796	89.90	311.14	5118	1611	-733	1676	0.70	0.64	0.29
7890	88.52	310.99	5119	1673	-803	1769	1.48	-1.47	-0.16
7984	89.09	311.20	5121	1735	-874	1863	0.65	0.61	0.22
8078	88.82	311.36	5123	1797	-945	1956	0.33	-0.29	0.17
8172	88.86	311.75	5125	1859	-1015	2050	0.42	0.04	0.41
8266	90.64	313.01	5125	1922	-1085	2144	2.32	1.89	1.34
8360	89.83	312.51	5125	1986	-1154	2237	1.01	-0.86	-0.53
8454	89.66	312.53	5125	2050	-1223	2331	0.18	-0.18	0.02
8545	90.87	313.31	5125	2112	-1290	2422	1.58	1.33	0.86
8636	89.66	312.50	5124	2174	-1356	2513	1.60	-1.33	-0.89
8726	89.60	312.41	5125	2234	-1423	2602	0.12	-0.07	-0.10
8816	89.46	311.89	5125	2295	-1489	2692	0.60	-0.16	-0.58
8905	89.40	311.73	5126	2354	-1556	2781	0.19	-0.07	-0.18
8996	89.46	311.61	5127	2415	-1624	2871	0.15	0.07	-0.13
9087	89.70	311.54	5128	2475	-1692	2962	0.27	0.26	-0.08



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 236H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Site:	L29 2307 Pad	MD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Well:	# 236H	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)
9178	89.73	311.42	5128	2535	-1760	3053	0.14	0.03	-0.13
9269	90.03	311.61	5129	2596	-1828	3143	0.39	0.33	0.21
9361	89.70	311.16	5129	2656	-1897	3235	0.61	-0.36	-0.49
9453	89.60	310.65	5129	2717	-1967	3326	0.56	-0.11	-0.55
9544	89.83	310.89	5130	2776	-2035	3417	0.37	0.25	0.26
9634	89.83	310.94	5130	2835	-2104	3506	0.06	0.00	0.06
9725	90.13	310.80	5130	2894	-2172	3597	0.36	0.33	-0.15
9815	89.43	310.43	5130	2953	-2241	3686	0.88	-0.78	-0.41
9906	89.40	310.33	5131	3012	-2310	3777	0.11	-0.03	-0.11
9997	89.26	309.82	5132	3071	-2380	3867	0.58	-0.15	-0.56
10,090	89.83	310.77	5133	3131	-2451	3960	1.19	0.61	1.02
10,181	90.10	311.36	5133	3191	-2519	4050	0.71	0.30	0.65
10,272	89.93	311.15	5133	3251	-2588	4141	0.30	-0.19	-0.23
10,362	89.97	310.90	5133	3310	-2655	4230	0.28	0.04	-0.28
10,452	90.00	310.58	5133	3368	-2724	4320	0.36	0.03	-0.36
10,542	89.50	310.65	5134	3427	-2792	4409	0.56	-0.56	0.08
10,633	89.40	310.17	5135	3486	-2861	4500	0.54	-0.11	-0.53
10,724	89.56	310.27	5135	3545	-2931	4590	0.21	0.18	0.11
10,814	89.66	310.51	5136	3603	-2999	4680	0.29	0.11	0.27
10,906	90.13	310.46	5136	3663	-3069	4771	0.51	0.51	-0.05
10,997	90.13	310.90	5136	3722	-3138	4861	0.48	0.00	0.48
11,086	89.70	310.50	5136	3780	-3206	4950	0.66	-0.48	-0.45
11,177	89.56	310.49	5137	3839	-3275	5040	0.15	-0.15	-0.01
11,268	89.40	310.44	5138	3898	-3344	5131	0.18	-0.18	-0.05
11,358	89.20	310.17	5139	3956	-3413	5220	0.37	-0.22	-0.30
11,449	89.09	310.03	5140	4015	-3482	5311	0.20	-0.12	-0.15
11,539	88.89	309.99	5142	4073	-3551	5400	0.23	-0.22	-0.04
11,630	88.93	309.94	5143	4131	-3621	5490	0.07	0.04	-0.05
11,720	88.69	310.25	5145	4189	-3690	5580	0.44	-0.27	0.34
11,810	88.76	310.15	5147	4247	-3759	5669	0.14	0.08	-0.11
11,901	90.40	310.60	5148	4306	-3828	5760	1.87	1.80	0.49
11,992	91.41	310.70	5146	4366	-3897	5850	1.12	1.11	0.11
12,083	91.48	310.76	5144	4425	-3966	5940	0.10	0.08	0.07
12,175	90.50	309.71	5143	4484	-4036	6032	1.56	-1.07	-1.14
12,264	91.01	310.05	5141	4541	-4104	6120	0.69	0.57	0.38
12,355	89.87	309.55	5141	4600	-4174	6210	1.37	-1.25	-0.55
12,444	90.13	310.00	5141	4657	-4243	6299	0.58	0.29	0.51
12,534	89.87	310.10	5141	4715	-4312	6388	0.31	-0.29	0.11
12,625	89.56	309.77	5141	4773	-4381	6479	0.50	-0.34	-0.36
12,716	89.19	309.33	5142	4831	-4452	6569	0.63	-0.41	-0.48
12,806	89.36	309.81	5143	4888	-4521	6658	0.57	0.19	0.53
12,898	89.30	309.87	5144	4947	-4592	6749	0.09	-0.07	0.07
12,988	89.26	310.61	5145	5005	-4660	6839	0.82	-0.04	0.82
13,079	89.43	310.92	5146	5065	-4729	6929	0.39	0.19	0.34



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 236H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Site:	L29 2307 Pad	MD Reference:	GL 6875' & RKB 26' @ 6901ft (H&P 443)
Well:	# 236H	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)	
13,169	89.40	310.92	5147	5124	-4797	7019	0.03	-0.03	0.00	
13,264	88.86	310.52	5149	5186	-4869	7113	0.71	-0.57	-0.42	
13,358	88.83	310.61	5151	5247	-4941	7207	0.10	-0.03	0.10	
13,452	88.86	310.28	5153	5308	-5012	7300	0.35	0.03	-0.35	
13,491	89.26	310.73	5153	5333	-5042	7339	1.54	1.03	1.15	
13,555	89.26	310.73	5154	5375	-5090	7403	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	
236H 85° Casing	0.00	0.00	5104	128	951	1,890,557.73	2,791,775.25	36.19554389	-107.60055158	
- actual wellpath misses target center by 67ft at 5555ft MD (5093 TVD, 182 N, 989 E)										
- Point										
236H Heel	0.00	0.00	5119	284	785	1,890,712.88	2,791,609.29	36.19597120	-107.60111280	
- actual wellpath misses target center by 58ft at 5777ft MD (5118 TVD, 327 N, 824 E)										
- Circle (radius 50)										
236H Toe	0.00	0.00	5157	5359	-5033	1,895,773.81	2,785,778.99	36.20991070	-107.62083520	
- actual wellpath misses target center by 27ft at 13491ft MD (5153 TVD, 5333 N, -5042 E)										
- Circle (radius 100)										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
496	496	1	2	First Surface MWD Survey	
4625	4418	-275	1217	Last Surface MWD Survey	
4720	4510	-259	1236	First Curve MWD Survey	
5563	5094	186	983	Last Curve MWD Survey	
5633	5105	231	930	First Lateral MWD Survey	
13,491	5153	5333	-5042	Last Lateral MWD Survey	
13,555	5154	5375	-5090	Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
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**Directional Survey Certification**

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

Operator	DJR Operating
Well Name & No.	North Alamito L29 2307 236H
County & State	San Juan, NM
SDI Job No.	OP.037837
Rig	H&P 443

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 496 feet to a measured depth of 13,555 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

2-Feb-23

Date

Janie Collins
Colorado District Well Planner
Scientific Drilling International

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 232184

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 232184
	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.

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CONDITIONS

Action 232184

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 232184
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CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 10/20/2023.	7/20/2023