

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 200 Energy Court Farmington, NM 87401		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30-043-21407	⁵ Pool Name Lybrook Gallup		⁶ Pool Code 42289
⁷ Property Code 325271	⁸ Property Name Venado Canyon Unit		⁹ Well Number 506H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	11	22N	06W		1229'	South	1310'	East	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
A	24	22N	06W		227'	North	357'	East	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 6500 Townbridge Drive, El Paso, TX 79905	O
151618	Enterprise Field Services, LLC Post Office Box 4503, Houston, TX 77001	G
	~N2 Frac-Gas will be flared during flowback & until N2 & O2 is cleaned from the wellbore~	

IV. Well Completion Data

²¹ Spud Date 9/3/2022	²² Ready Date 2/11/2024	²³ TD 13,918' MD 5,315'TVD	²⁴ PBTB 13,892' MD 5,315' TVD	²⁵ Perforations 6,152'-13,827' MD 5,315'-5,386' TVD Frac Sleeve @ 13,860'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12.25		9.625" 36# K55		849'	
8.75		7" 26# J55		5,651'	
6.125		4.5" 11.6# P110		TOL: 5,455' BOL: 13,914'	

V. Well Test Data

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

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Shaw-Marie Ford</i>		OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>	
Printed name: Shaw-Marie Ford		Title: <i>PETROLEUM SPECIALIST</i>	
Title: Regulatory Specialist		Approval Date: <i>2/12/2024</i>	
E-mail Address: sford@djrlc.com		<i>RT EXPIRES 5/11/2024</i>	
Date: 1/19/2024	Phone: 505-716-3297		

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

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

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

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-043-21407	² Pool Code 42289	³ Pool Name LYBROOK GALLUP
⁴ Property Code 325271	⁵ Property Name VENADO CANYON UNIT	⁶ Well Number 506H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 7075

¹⁰ Surface Location

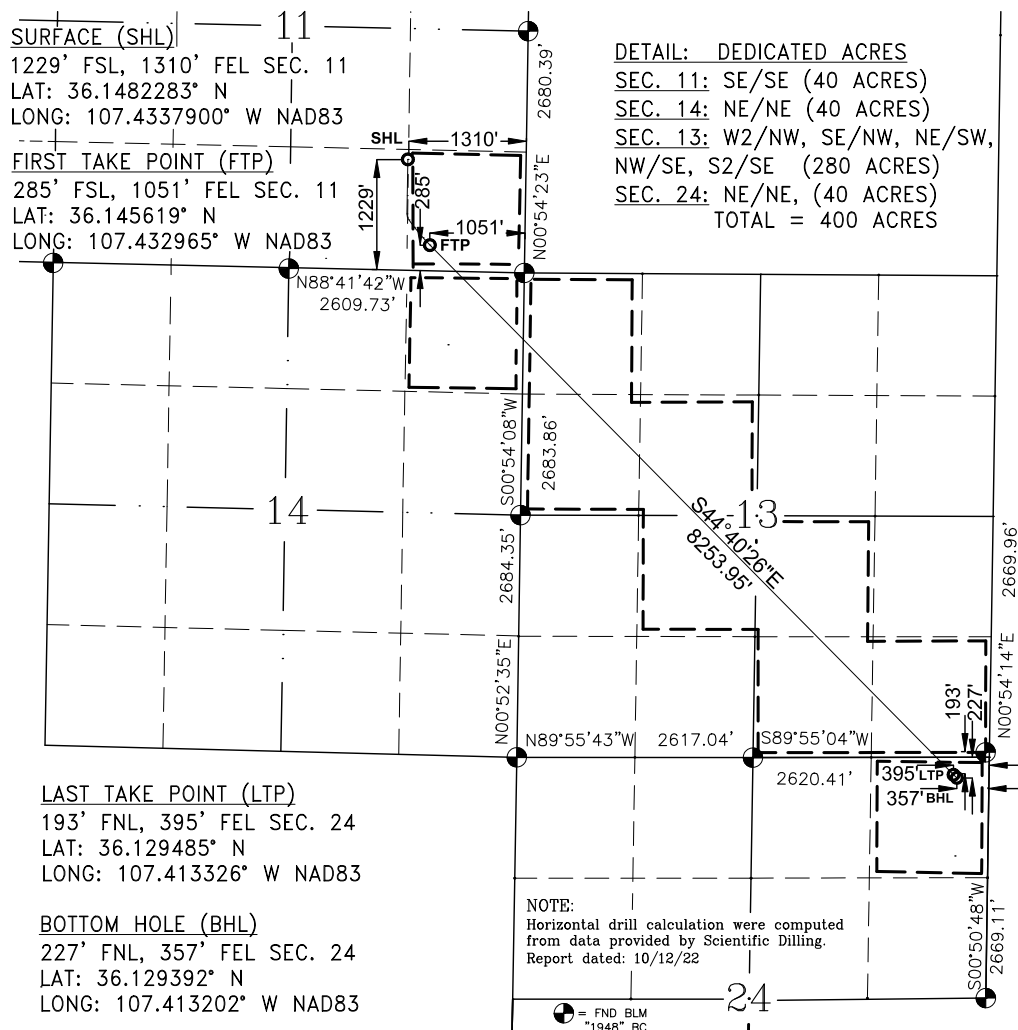
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	11	22-N	6-W		1229	SOUTH	1310	EAST	SANDOVAL

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
A	24	22-N	6-W		227	NORTH	357	EAST	SANDOVAL

¹² Dedicated Acres SEE DETAIL BELOW	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14067 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



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

Shaw-Marie Ford 11/18/22
Signature Date

Shaw-Marie Ford
Printed Name

sford@djrlc.com
E-mail Address

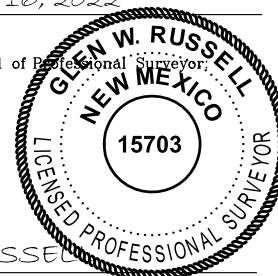
18 SURVEYOR CERTIFICATION

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.

NOVEMBER 16, 2022

Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL

Certificate Number

15703

**Directional Survey Certification**

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

Operator	DJR Operating
Well Name & No.	Venado Canyon O11 2206 506H
County & State	Sandoval, NM
SDI Job No.	OP.035402
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 255 feet to a measured depth of 13,918 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

12-Oct-22

Date

Janie Collins

Colorado District Well Planner
Scientific Drilling International



DJR

Venado Canyon

O11 2206

506H

End of Well Report



www.scientificdrilling.com



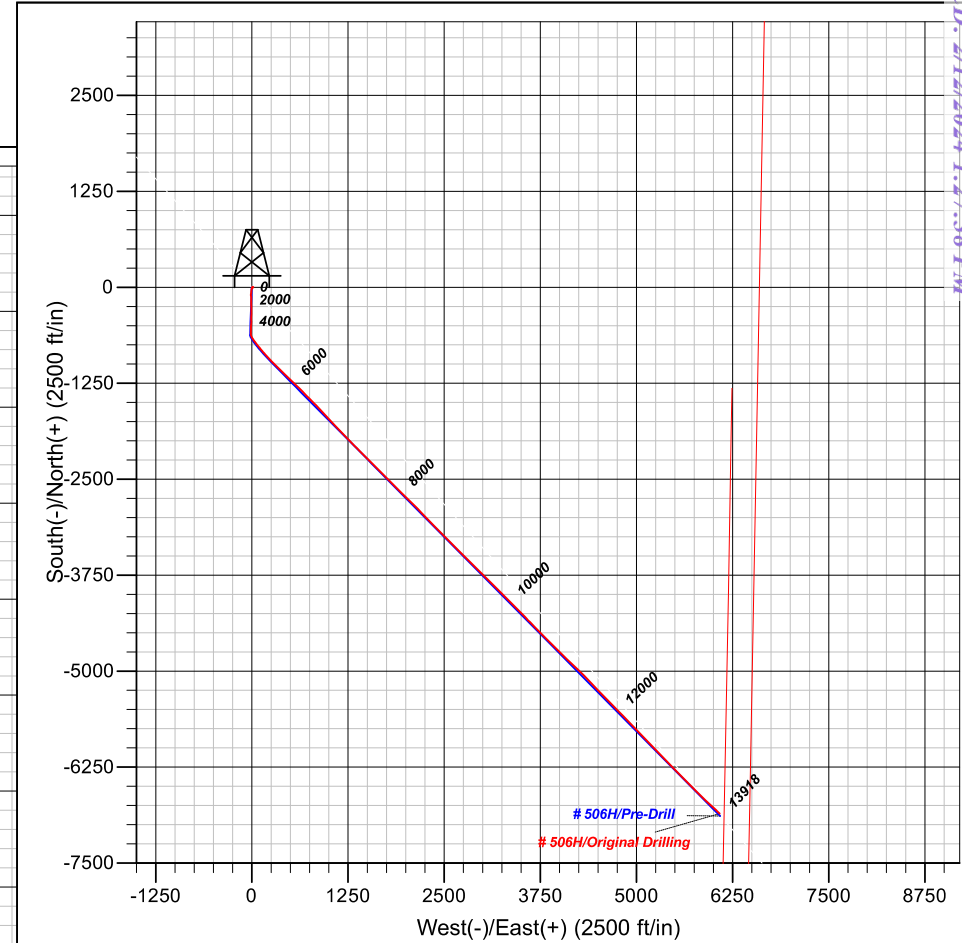
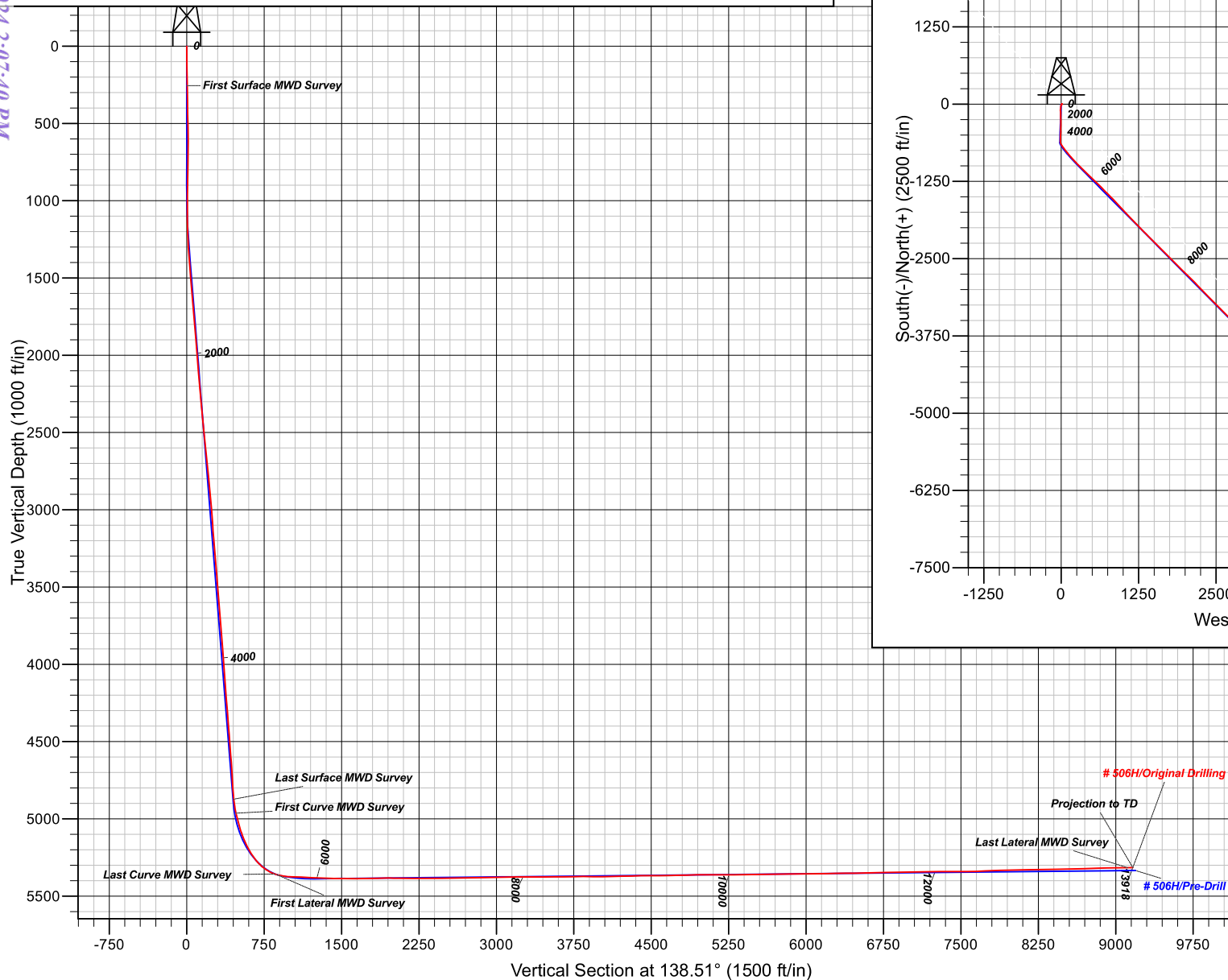
Company Name: DJR Operating
Project: Venado Canyon Unit
Site: O11 2206 Pad
Well: # 506H
Wellbore: Original Drilling



WELL DETAILS: # 506H

GL 7075' & RKB 26' @ 7101ft (H&P 443) 7075

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0	0	1873494.21	2841050.28	36.14822830	-107.43379000	4



Design: Original Drilling (# 506H/Original Drilling)

Created By: Janie Collins Date: 16:30, October 12 2022

PROJECT DETAILS: Venado Canyon 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

Venado Canyon Unit

O11 2206 Pad

506H - Slot 4

Original Drilling

Design: Original Drilling

Standard Survey Report

12 October, 2022



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 506H - Slot 4
Project:	Venado Canyon Unit	TVD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Site:	O11 2206 Pad	MD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Well:	# 506H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Project	Venado Canyon 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	O11 2206 Pad		
Site Position:		Northing:	1,873,443.84 usft
From:	Lat/Long	Easting:	2,841,017.46 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.14809030
		Longitude:	-107.43390190
		Grid Convergence:	0.24 °

Well	# 506H - Slot 4		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.14822830
		Longitude:	-107.43379000
		Ground Level:	7075 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	9/17/2022	8.50	62.67	48,943.70000000

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	138.51	

Survey Program	Date	10/12/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
255	4924	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5019	5588	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5611	13,918	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	
255	1.95	107.78	255	-1	4	4	0.76	0.76	0.00	
347	2.51	99.39	347	-2	8	7	0.70	0.61	-9.12	
436	2.27	89.93	436	-2	11	9	0.52	-0.27	-10.63	
527	1.62	87.12	527	-2	14	11	0.72	-0.71	-3.09	
619	1.65	72.21	619	-2	17	13	0.46	0.03	-16.21	
711	1.08	355.19	711	-1	18	12	1.91	-0.62	-83.72	
801	1.93	328.18	801	1	17	10	1.21	0.94	-30.01	
884	1.57	330.79	884	4	16	8	0.44	-0.43	3.14	



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 506H - Slot 4
Project:	Venado Canyon Unit	TVD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Site:	O11 2206 Pad	MD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Well:	# 506H	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)	
973	1.58	260.15	973	5	14	6	2.05	0.01	-79.37	
1067	3.39	229.56	1067	3	11	5	2.32	1.93	-32.54	
1160	6.24	210.02	1159	-4	6	7	3.49	3.06	-21.01	
1251	8.86	202.59	1249	-14	1	11	3.07	2.88	-8.16	
1341	10.36	195.71	1338	-29	-4	19	2.10	1.67	-7.64	
1432	10.31	184.07	1428	-45	-7	29	2.29	-0.05	-12.79	
1523	10.60	184.61	1517	-61	-8	41	0.34	0.32	0.59	
1615	10.36	185.57	1608	-78	-9	52	0.32	-0.26	1.04	
1706	9.56	181.06	1697	-93	-10	63	1.23	-0.88	-4.96	
1798	8.48	176.55	1788	-108	-10	74	1.40	-1.17	-4.90	
1889	9.55	179.77	1878	-122	-10	85	1.30	1.18	3.54	
1984	9.30	178.18	1972	-138	-9	97	0.38	-0.26	-1.67	
2079	8.59	180.22	2066	-152	-9	108	0.82	-0.75	2.15	
2174	10.26	179.06	2159	-168	-9	120	1.77	1.76	-1.22	
2269	8.52	176.07	2253	-183	-8	132	1.90	-1.83	-3.15	
2363	11.03	181.85	2346	-199	-8	144	2.86	2.67	6.15	
2458	11.67	178.55	2439	-218	-8	158	0.96	0.67	-3.47	
2553	10.71	178.90	2532	-237	-8	172	1.01	-1.01	0.37	
2648	11.44	176.34	2625	-255	-7	186	0.93	0.77	-2.69	
2743	10.83	177.68	2718	-273	-6	200	0.70	-0.64	1.41	
2837	10.08	175.80	2811	-290	-5	214	0.88	-0.80	-2.00	
2932	11.12	182.51	2904	-308	-5	227	1.70	1.09	7.06	
3027	9.35	181.38	2998	-324	-6	239	1.88	-1.86	-1.19	
3121	8.38	183.88	3091	-339	-6	250	1.11	-1.03	2.66	
3216	9.47	182.46	3184	-354	-7	260	1.17	1.15	-1.49	
3311	10.32	180.49	3278	-370	-7	272	0.96	0.89	-2.07	
3406	9.50	181.46	3372	-386	-8	284	0.88	-0.86	1.02	
3501	9.16	179.76	3465	-402	-8	296	0.46	-0.36	-1.79	
3595	8.66	180.25	3558	-416	-8	307	0.54	-0.53	0.52	
3690	8.33	177.85	3652	-430	-8	317	0.51	-0.35	-2.53	
3785	10.11	180.66	3746	-445	-7	329	1.93	1.87	2.96	
3880	9.50	181.67	3840	-462	-8	341	0.67	-0.64	1.06	
3975	8.40	178.00	3933	-476	-8	352	1.30	-1.16	-3.86	
4070	8.65	186.32	4027	-490	-8	362	1.32	0.26	8.76	
4165	8.76	182.22	4121	-505	-9	372	0.66	0.12	-4.32	
4260	9.71	183.27	4215	-520	-10	383	1.02	1.00	1.11	
4355	8.73	184.09	4309	-535	-11	394	1.04	-1.03	0.86	
4450	9.62	179.58	4403	-550	-12	405	1.20	0.94	-4.75	
4545	7.93	178.34	4496	-565	-11	416	1.79	-1.78	-1.31	
4640	7.71	178.62	4591	-578	-11	425	0.24	-0.23	0.29	
4735	7.36	176.53	4685	-590	-10	435	0.47	-0.37	-2.20	
4829	9.25	187.19	4778	-604	-11	445	2.59	2.01	11.34	
4924	8.73	178.91	4872	-618	-12	455	1.47	-0.55	-8.72	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 506H - Slot 4
Project:	Venado Canyon Unit	TVD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Site:	O11 2206 Pad	MD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Well:	# 506H	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)
5019	20.41	155.08	4963	-641	-5	477	13.57	12.29	-25.08
5114	23.32	146.03	5052	-671	13	511	4.68	3.06	-9.53
5209	32.54	144.39	5135	-708	38	556	9.74	9.71	-1.73
5304	40.73	141.22	5212	-753	73	612	8.85	8.62	-3.34
5398	52.39	140.21	5276	-806	116	680	12.43	12.40	-1.07
5493	65.24	138.87	5325	-867	168	761	13.58	13.53	-1.41
5588	76.17	136.81	5357	-934	229	851	11.69	11.51	-2.17
5611	80.09	135.90	5361	-950	244	873	17.48	17.04	-3.96
5752	88.86	134.38	5375	-1049	343	1013	6.31	6.22	-1.08
5846	88.66	134.23	5377	-1115	410	1107	0.27	-0.21	-0.16
5941	88.42	134.04	5379	-1181	478	1202	0.32	-0.25	-0.20
6035	87.18	133.11	5383	-1246	546	1295	1.65	-1.32	-0.99
6130	88.62	134.58	5386	-1311	615	1390	2.17	1.52	1.55
6224	90.74	136.34	5387	-1378	681	1484	2.93	2.26	1.87
6319	89.90	135.23	5386	-1447	747	1579	1.47	-0.88	-1.17
6413	89.29	134.77	5387	-1513	814	1672	0.81	-0.65	-0.49
6508	91.48	137.75	5386	-1582	879	1767	3.89	2.31	3.14
6603	91.24	137.29	5384	-1652	943	1862	0.55	-0.25	-0.48
6698	89.93	137.07	5383	-1721	1008	1957	1.40	-1.38	-0.23
6792	88.82	136.74	5384	-1790	1072	2051	1.23	-1.18	-0.35
6886	89.13	135.97	5386	-1858	1137	2145	0.88	0.33	-0.82
6981	91.18	136.87	5386	-1927	1203	2240	2.36	2.16	0.95
7076	90.64	136.24	5384	-1996	1268	2335	0.87	-0.57	-0.66
7171	89.60	133.88	5384	-2063	1335	2430	2.71	-1.09	-2.48
7265	90.40	135.02	5384	-2129	1402	2524	1.48	0.85	1.21
7359	90.27	135.52	5383	-2196	1468	2617	0.55	-0.14	0.53
7454	90.50	134.78	5383	-2263	1535	2712	0.82	0.24	-0.78
7548	90.91	135.46	5382	-2330	1602	2806	0.84	0.44	0.72
7642	91.14	135.38	5380	-2397	1667	2900	0.26	0.24	-0.09
7737	91.04	136.07	5378	-2465	1734	2995	0.73	-0.11	0.73
7831	90.57	135.58	5377	-2532	1799	3089	0.72	-0.50	-0.52
7926	90.30	134.75	5376	-2599	1866	3183	0.92	-0.28	-0.87
8020	90.30	134.01	5376	-2665	1933	3277	0.79	0.00	-0.79
8115	89.76	133.10	5376	-2731	2002	3372	1.11	-0.57	-0.96
8209	90.24	135.54	5376	-2796	2070	3466	2.65	0.51	2.60
8303	89.87	134.83	5375	-2863	2136	3559	0.85	-0.39	-0.76
8398	90.91	136.54	5375	-2931	2202	3654	2.11	1.09	1.80
8491	90.40	136.00	5374	-2998	2266	3747	0.80	-0.55	-0.58
8586	90.03	135.86	5373	-3066	2333	3842	0.42	-0.39	-0.15
8680	89.70	134.90	5374	-3133	2399	3936	1.08	-0.35	-1.02
8775	90.20	136.24	5374	-3201	2465	4031	1.51	0.53	1.41
8869	91.04	135.58	5373	-3269	2530	4125	1.14	0.89	-0.70
8962	91.01	135.74	5371	-3335	2595	4218	0.18	-0.03	0.17



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 506H - Slot 4
Project:	Venado Canyon Unit	TVD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Site:	O11 2206 Pad	MD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Well:	# 506H	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)
9057	90.84	135.58	5369	-3403	2662	4313	0.25	-0.18	-0.17
9145	90.57	135.52	5368	-3466	2723	4400	0.31	-0.31	-0.07
9235	90.20	134.75	5368	-3530	2787	4490	0.95	-0.41	-0.86
9327	89.97	134.65	5368	-3594	2852	4582	0.27	-0.25	-0.11
9416	91.34	134.90	5367	-3657	2916	4671	1.56	1.54	0.28
9506	90.74	134.36	5365	-3720	2980	4761	0.90	-0.67	-0.60
9596	90.84	134.56	5364	-3783	3044	4850	0.25	0.11	0.22
9687	90.97	135.26	5362	-3847	3108	4941	0.78	0.14	0.77
9777	88.96	133.25	5362	-3910	3173	5031	3.16	-2.23	-2.23
9867	91.21	134.76	5362	-3973	3237	5121	3.01	2.50	1.68
9956	90.91	136.17	5361	-4036	3300	5210	1.62	-0.34	1.58
10,047	89.16	134.77	5361	-4101	3364	5300	2.46	-1.92	-1.54
10,137	89.43	134.77	5362	-4164	3428	5390	0.30	0.30	0.00
10,227	90.64	135.80	5362	-4228	3491	5480	1.77	1.34	1.14
10,318	92.02	137.01	5360	-4294	3554	5571	2.02	1.52	1.33
10,408	90.07	135.48	5358	-4359	3616	5661	2.75	-2.17	-1.70
10,499	89.90	135.83	5358	-4424	3679	5752	0.43	-0.19	0.38
10,591	90.91	136.22	5357	-4491	3743	5844	1.18	1.10	0.42
10,681	90.30	135.37	5356	-4555	3806	5934	1.16	-0.68	-0.94
10,771	90.37	135.13	5356	-4619	3869	6023	0.28	0.08	-0.27
10,861	90.97	134.89	5355	-4683	3933	6113	0.72	0.67	-0.27
10,951	90.44	134.48	5354	-4746	3997	6203	0.74	-0.59	-0.46
11,042	90.40	134.21	5353	-4810	4062	6294	0.30	-0.04	-0.30
11,132	90.57	133.90	5352	-4872	4127	6383	0.39	0.19	-0.34
11,222	89.83	132.25	5352	-4934	4192	6473	2.01	-0.82	-1.83
11,312	90.64	135.61	5351	-4996	4257	6563	3.84	0.90	3.73
11,402	90.77	134.76	5350	-5060	4321	6653	0.96	0.14	-0.94
11,492	91.71	136.60	5348	-5124	4384	6742	2.30	1.04	2.04
11,583	91.55	137.21	5346	-5191	4446	6833	0.69	-0.18	0.67
11,674	91.04	136.51	5344	-5257	4508	6924	0.95	-0.56	-0.77
11,765	90.07	135.24	5343	-5322	4571	7015	1.76	-1.07	-1.40
11,855	89.40	133.95	5343	-5386	4635	7105	1.62	-0.74	-1.43
11,946	90.71	136.69	5343	-5450	4699	7196	3.34	1.44	3.01
12,036	90.47	136.11	5342	-5515	4761	7286	0.70	-0.27	-0.64
12,127	89.93	134.87	5342	-5580	4825	7377	1.49	-0.59	-1.36
12,218	91.14	137.70	5341	-5646	4888	7468	3.38	1.33	3.11
12,308	89.63	135.88	5341	-5712	4950	7558	2.63	-1.68	-2.02
12,399	91.61	136.74	5340	-5777	5013	7648	2.37	2.18	0.95
12,490	91.24	136.35	5337	-5843	5075	7739	0.59	-0.41	-0.43
12,582	91.51	135.54	5335	-5910	5139	7831	0.93	0.29	-0.88
12,672	91.58	136.25	5333	-5974	5202	7921	0.79	0.08	0.79
12,763	90.07	134.44	5331	-6039	5266	8012	2.59	-1.66	-1.99
12,854	91.44	136.73	5330	-6104	5329	8103	2.93	1.51	2.52
12,944	90.44	135.69	5329	-6169	5392	8193	1.60	-1.11	-1.16



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 506H - Slot 4
Project:	Venado Canyon Unit	TVD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Site:	O11 2206 Pad	MD Reference:	GL 7075' & RKB 26' @ 7101ft (H&P 443)
Well:	# 506H	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)	
13,035	90.97	135.93	5328	-6234	5455	8284	0.64	0.58	0.26	
13,125	90.54	136.45	5326	-6299	5517	8374	0.75	-0.48	0.58	
13,216	90.27	136.06	5326	-6365	5580	8464	0.52	-0.30	-0.43	
13,305	90.37	134.90	5325	-6428	5643	8553	1.31	0.11	-1.30	
13,395	91.58	135.38	5324	-6492	5706	8643	1.45	1.34	0.53	
13,486	91.98	135.66	5321	-6557	5770	8734	0.54	0.44	0.31	
13,576	90.67	133.94	5319	-6620	5834	8824	2.40	-1.46	-1.91	
13,670	90.40	133.20	5318	-6685	5902	8917	0.84	-0.29	-0.79	
13,765	90.60	132.83	5317	-6750	5971	9012	0.44	0.21	-0.39	
13,860	90.74	132.07	5316	-6814	6041	9106	0.81	0.15	-0.80	
13,868	90.77	132.64	5316	-6819	6047	9114	7.13	0.38	7.13	
13,918	90.77	132.64	5315	-6853	6084	9164	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
506H Toe	0.00	0.00	5334	-6885	6089	1,866,634.08	2,847,167.20	36.12931220	-107.41317210
- hit/miss target									
- Shape									
- actual wellpath misses target center by 37ft at 13918ft MD (5315 TVD, -6853 N, 6084 E)									
- Circle (radius 100)									
506H Casing	0.00	0.00	5373	-1010	288	1,872,485.71	2,841,342.40	36.14545459	-107.43281469
- actual wellpath misses target center by 11ft at 5685ft MD (5371 TVD, -1002 N, 296 E)									
- Point									
506H Heel Rev 1	0.00	0.00	5388	-1180	447	1,872,316.56	2,841,502.29	36.14498810	-107.43227550
- actual wellpath misses target center by 23ft at 5918ft MD (5379 TVD, -1165 N, 462 E)									
- Circle (radius 50)									

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
255	255	-1	4	First Surface MWD Survey	
4924	4872	-618	-12	Last Surface MWD Survey	
5019	4963	-641	-5	First Curve MWD Survey	
5588	5357	-934	229	Last Curve MWD Survey	
5611	5361	-950	244	First Lateral MWD Survey	
13,868	5316	-6819	6047	Last Lateral MWD Survey	
13,918	5315	-6853	6084	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

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 313581

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 313581
	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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Energy, Minerals and Natural Resources
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CONDITIONS

Action 313581

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 313581
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 5/11/2024.	2/12/2024