

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 NW	
⁴ API Number 30-043-21405	⁵ Pool Name Lybrook Gallup		⁶ Pool Code 42289
⁷ Property Code 325271	⁸ Property Name Venado Canyon Unit		⁹ Well Number 503H

II. ¹⁰ Surface Location

UL or lot no. H	Section 14	Township 22N	Range 06W	Lot Idn	Feet from the 2268'	North/South Line North	Feet from the 752'	East/West line East	County Sandoval
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¹¹ Bottom Hole Location

UL or lot no. I	Section 10	Township 22N	Range 06W	Lot Idn	Feet from the 1418'	North/South line South	Feet from the 108'	East/West line East	County Sandoval
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 11/22/22		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 04/21/22	²² Ready Date 11/07/22	²³ TD 11,227' MD 4,981' TVD	²⁴ PBTD 11,209' MD 4,981' TVD	²⁵ Perforations 5,619'-11,150' MD 4,957'- 4,971' TVD Frac Sleeve @ 11,179'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25		9.625" 36# J55		379'	109
8.75		7" 26# J55		5,272'	625
6.125		4.5" 11.6# P110		TOL: 5,023' BOL: 11,222'	665
		2.875" 6.5# L80 Tubing		5,236'	

V. Well Test Data

³¹ Date New Oil 11/17/22	³² Gas Delivery Date 11/22/22	³³ Test Date 11/17/22	³⁴ Test Length 24	³⁵ Tbg. Pressure 258	³⁶ Csg. Pressure 843
³⁷ Choke Size 54/64	³⁸ Oil 62	³⁹ Water 796	⁴⁰ Gas 546		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>2/3/2023</i>	
E-mail Address: sford@djrlc.com			
Date: 01/10/23	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 30-043-21405	² Pool Code 42289	³ Pool Name LYBROOK GALLUP
⁴ Property Code 325271	⁵ Property Name VENADO CANYON UNIT	⁶ Well Number 503H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 7122

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
H	14	22-N	6-W		2268	NORTH	752	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
I	10	22-N	6-W		1418	SOUTH	108	EAST	SANDOVAL
¹² Dedicated Acres SEE DETAIL BELOW			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-14067 R-14067A		

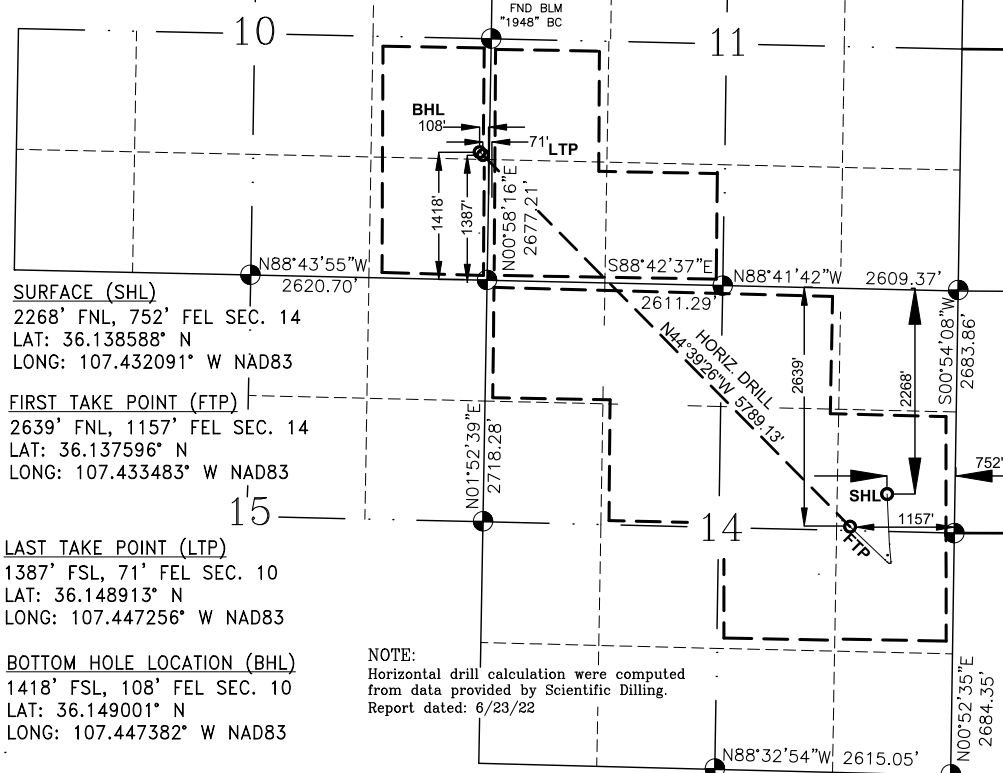
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

DETAIL:
DEDICATED ACRES

SEC. 14: N2/SE, S2/NE, NW/NE, SE/NW,
N2/NW (320 ACRES)
SEC. 11: S2/SW, NW/SW (120 ACRES)
SEC. 10: E2/SE (80 ACRES)
TOTAL = 520 ACRES

● = FND BLM
"1948" BC



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 07/05/22

Signature Date

Shaw-Marie Ford

Printed Name

sford@djrlc.com

E-mail Address

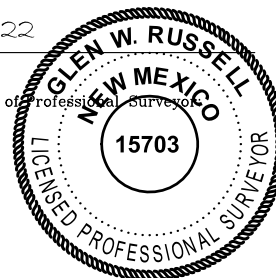
18 SURVEYOR CERTIFICATION

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.

JUNE 29, 2022

Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL

Certificate Number

15703



DJR

Venado Canyon

H14 2206

503H

End of Well Report



Scientific Drilling

www.scientificdrilling.com

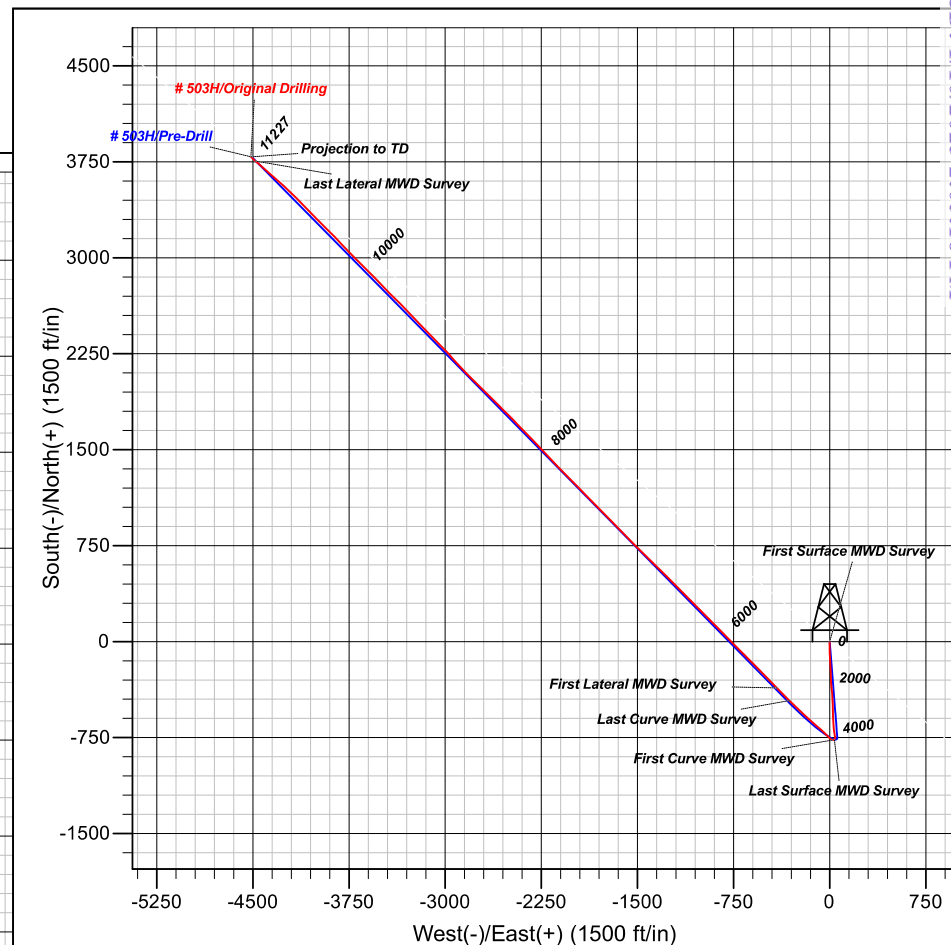
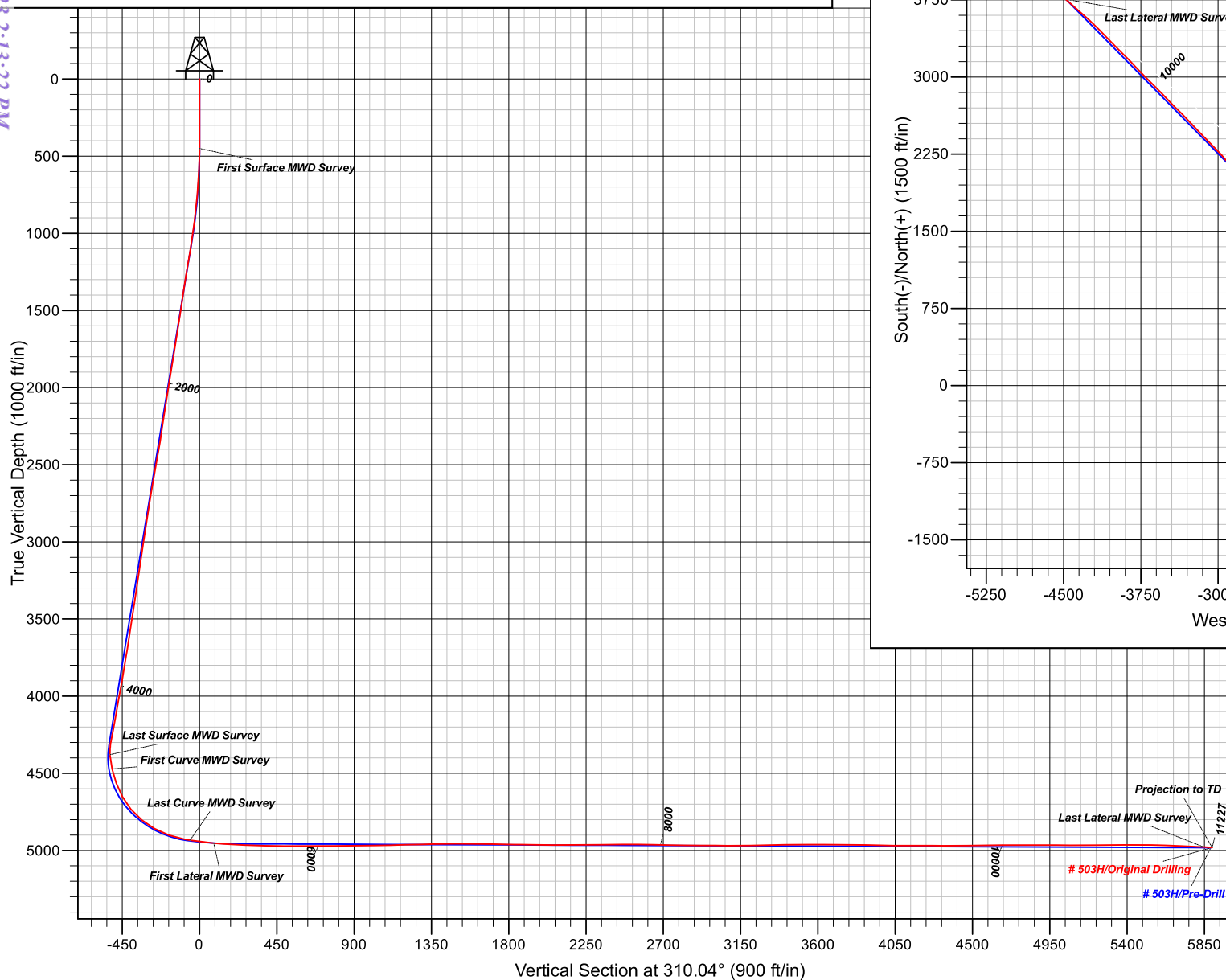


WELL DETAILS: # 503H

GL 7122' & RKB 26' @ 7148ft (H&P 443) 7122

+N-S	+E-W	Northing	Easting	Latitude	Longitude
0	0	1869987.09	2841566.25	36.13858818	-107.43209145

2



Design: Original Drilling (# 503H/Original Drilling)

Created By: Janie Collins Date: 16:26, June 23 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

H14 2206 Pad

503H - Slot 2

Original Drilling

Design: Original Drilling

Standard Survey Report

23 June, 2022



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 2
Project:	Venado Canyon Unit	TVD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Site:	H14 2206 Pad	MD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Well:	# 503H	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	H14 2206 Pad		
Site Position:		Northing:	1,870,046.75 usft
From:	Lat/Long	Easting:	2,841,573.62 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.13875198
		Longitude:	-107.43206567
		Grid Convergence:	0.24 °

Well	# 503H - Slot 2		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.13858818
		Longitude:	-107.43209145
		Ground Level:	7122 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	6/19/2022	8.53	62.67	48,957.90000000

Design	Original Drilling			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	310.04

Survey Program	Date	6/23/2022		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
450	4457	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4552	5247	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5386	11,227	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	
450	0.33	223.94	450	-1	-1	0	0.07	0.07	0.00	
543	3.48	184.33	543	-4	-1	-2	3.48	3.39	-42.59	
633	4.68	177.09	633	-10	-1	-6	1.45	1.33	-8.04	
725	5.55	175.60	724	-19	-1	-11	0.96	0.95	-1.62	
817	8.52	180.05	816	-30	0	-19	3.28	3.23	4.84	
908	9.73	182.55	905	-44	-1	-28	1.40	1.33	2.75	
1002	11.27	179.65	998	-61	-1	-39	1.73	1.64	-3.09	
1092	12.30	177.52	1086	-80	-1	-51	1.24	1.14	-2.37	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 2
Project:	Venado Canyon Unit	TVD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Site:	H14 2206 Pad	MD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Well:	# 503H	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)	
1182	12.42	176.15	1174	-99	0	-64	0.35	0.13	-1.52	
1271	11.54	175.08	1261	-117	2	-77	1.02	-0.99	-1.20	
1362	11.29	176.27	1350	-135	3	-89	0.38	-0.27	1.31	
1452	11.10	179.78	1438	-153	4	-101	0.79	-0.21	3.90	
1543	12.78	178.94	1528	-172	4	-113	1.86	1.85	-0.92	
1634	11.70	179.22	1616	-191	4	-126	1.19	-1.19	0.31	
1726	11.73	175.36	1707	-210	5	-139	0.85	0.03	-4.20	
1816	11.84	174.88	1795	-228	7	-152	0.16	0.12	-0.53	
1911	11.33	174.31	1888	-247	9	-165	0.55	-0.54	-0.60	
2006	13.20	182.10	1981	-267	9	-179	2.62	1.97	8.20	
2100	11.47	176.39	2072	-287	9	-192	2.25	-1.84	-6.07	
2195	11.71	180.93	2165	-306	10	-204	0.99	0.25	4.78	
2290	11.37	176.00	2258	-325	10	-217	1.10	-0.36	-5.19	
2385	11.49	175.89	2352	-344	12	-230	0.13	0.13	-0.12	
2480	12.79	173.54	2444	-364	13	-244	1.46	1.37	-2.47	
2574	12.50	173.67	2536	-384	16	-259	0.31	-0.31	0.14	
2669	12.24	174.48	2629	-404	18	-274	0.33	-0.27	0.85	
2764	10.74	172.88	2722	-423	20	-287	1.61	-1.58	-1.68	
2859	11.39	175.50	2815	-441	22	-301	0.86	0.68	2.76	
2954	11.88	176.69	2908	-460	23	-314	0.57	0.52	1.25	
3049	10.80	177.26	3002	-479	24	-327	1.14	-1.14	0.60	
3144	12.06	179.24	3095	-498	25	-339	1.39	1.33	2.08	
3239	10.66	175.73	3188	-517	25	-352	1.64	-1.47	-3.69	
3333	12.36	179.10	3280	-535	26	-364	1.94	1.81	3.59	
3428	12.01	185.81	3373	-555	25	-377	1.53	-0.37	7.06	
3523	11.50	184.67	3466	-575	24	-388	0.59	-0.54	-1.20	
3618	12.42	175.86	3559	-594	24	-400	2.15	0.97	-9.27	
3713	11.54	174.39	3652	-614	25	-414	0.98	-0.93	-1.55	
3808	12.57	173.44	3745	-634	27	-429	1.10	1.08	-1.00	
3903	10.65	175.97	3838	-653	29	-442	2.09	-2.02	2.66	
3998	13.08	172.02	3931	-672	31	-456	2.70	2.56	-4.16	
4093	11.87	171.83	4023	-692	34	-472	1.27	-1.27	-0.20	
4187	11.91	172.35	4115	-712	37	-486	0.12	0.04	0.55	
4282	12.63	171.36	4208	-732	40	-501	0.79	0.76	-1.04	
4362	13.33	169.93	4286	-749	43	-515	0.96	0.88	-1.79	
4457	11.88	230.22	4379	-766	37	-521	13.31	-1.53	63.46	
4552	13.17	292.22	4472	-769	19	-509	13.55	1.36	65.26	
4646	17.86	314.71	4563	-754	-1	-485	8.03	4.99	23.93	
4741	26.24	316.93	4651	-729	-26	-449	8.86	8.82	2.34	
4836	36.54	313.35	4732	-694	-61	-400	11.01	10.84	-3.77	
4931	47.28	308.49	4802	-653	-109	-337	11.80	11.31	-5.12	
5025	58.22	310.56	4859	-605	-166	-262	11.77	11.64	2.20	
5120	69.60	314.54	4901	-547	-229	-177	12.55	11.98	4.19	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 2
Project:	Venado Canyon Unit	TVD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Site:	H14 2206 Pad	MD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Well:	# 503H	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)
5215	76.95	316.65	4928	-482	-292	-86	8.02	7.74	2.22
5247	81.44	316.09	4934	-460	-314	-55	14.14	14.03	-1.75
5386	83.24	314.86	4953	-361	-411	82	1.56	1.29	-0.88
5481	87.75	315.19	4960	-294	-478	176	4.76	4.75	0.35
5575	87.01	314.49	4965	-228	-544	270	1.08	-0.79	-0.74
5669	88.32	315.55	4968	-162	-611	363	1.79	1.39	1.13
5763	87.85	315.28	4972	-95	-677	457	0.58	-0.50	-0.29
5858	91.18	316.32	4972	-27	-743	551	3.67	3.51	1.09
5952	90.94	316.08	4971	41	-808	645	0.36	-0.26	-0.26
6046	89.93	314.85	4970	108	-874	738	1.69	-1.07	-1.31
6140	90.54	315.60	4970	175	-940	832	1.03	0.65	0.80
6235	89.70	314.54	4969	242	-1007	927	1.42	-0.88	-1.12
6329	91.81	316.38	4968	309	-1073	1020	2.98	2.24	1.96
6420	91.41	315.12	4966	374	-1136	1111	1.45	-0.44	-1.38
6509	91.31	314.98	4963	437	-1199	1199	0.19	-0.11	-0.16
6601	91.44	314.92	4961	502	-1264	1291	0.16	0.14	-0.07
6692	91.64	314.06	4959	566	-1329	1382	0.97	0.22	-0.95
6781	90.34	314.95	4957	628	-1393	1470	1.77	-1.46	1.00
6871	89.70	314.34	4957	692	-1457	1560	0.98	-0.71	-0.68
6961	89.16	314.04	4958	754	-1521	1650	0.69	-0.60	-0.33
7051	88.83	316.80	4960	818	-1584	1740	3.09	-0.37	3.07
7142	88.76	316.76	4962	885	-1647	1830	0.09	-0.08	-0.04
7233	89.93	315.40	4963	950	-1710	1920	1.97	1.29	-1.49
7324	89.33	315.29	4963	1015	-1774	2011	0.67	-0.66	-0.12
7416	89.03	314.36	4965	1080	-1839	2103	1.06	-0.33	-1.01
7507	90.81	316.18	4965	1144	-1903	2193	2.80	1.96	2.00
7597	90.84	316.09	4963	1209	-1965	2283	0.11	0.03	-0.10
7688	90.60	315.49	4962	1275	-2029	2373	0.71	-0.26	-0.66
7778	90.64	314.74	4961	1338	-2092	2463	0.83	0.04	-0.83
7869	89.33	317.53	4961	1404	-2155	2553	3.39	-1.44	3.07
7961	88.89	316.92	4963	1471	-2218	2645	0.82	-0.48	-0.66
8052	88.66	316.03	4965	1537	-2281	2735	1.01	-0.25	-0.98
8142	88.29	315.44	4967	1602	-2343	2825	0.77	-0.41	-0.66
8232	90.87	316.68	4968	1667	-2406	2914	3.18	2.87	1.38
8323	89.30	315.67	4968	1732	-2469	3005	2.05	-1.73	-1.11
8414	88.92	314.24	4969	1797	-2533	3095	1.63	-0.42	-1.57
8504	91.44	315.53	4969	1860	-2597	3185	3.15	2.80	1.43
8594	91.31	315.34	4967	1924	-2660	3274	0.26	-0.14	-0.21
8684	91.37	314.48	4964	1988	-2724	3364	0.96	0.07	-0.96
8775	90.87	313.66	4963	2051	-2789	3455	1.06	-0.55	-0.90
8865	89.90	318.31	4962	2116	-2852	3544	5.28	-1.08	5.17
8956	89.87	317.45	4962	2183	-2913	3634	0.95	-0.03	-0.95
9047	89.73	317.42	4963	2250	-2974	3725	0.16	-0.15	-0.03



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 2
Project:	Venado Canyon Unit	TVD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Site:	H14 2206 Pad	MD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Well:	# 503H	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)	
9138	88.96	315.82	4964	2316	-3037	3815	1.95	-0.85	-1.76	
9229	89.06	315.82	4965	2382	-3100	3906	0.11	0.11	0.00	
9318	87.82	314.53	4968	2445	-3163	3994	2.01	-1.39	-1.45	
9408	90.07	317.73	4969	2510	-3225	4084	4.35	2.50	3.56	
9501	89.97	316.40	4969	2578	-3289	4176	1.43	-0.11	-1.43	
9591	89.87	314.94	4969	2642	-3352	4266	1.63	-0.11	-1.62	
9683	89.50	314.14	4970	2707	-3417	4357	0.96	-0.40	-0.87	
9774	91.34	316.74	4969	2771	-3481	4448	3.50	2.02	2.86	
9865	91.07	316.09	4967	2837	-3544	4538	0.77	-0.30	-0.71	
9955	90.81	315.54	4966	2902	-3606	4628	0.68	-0.29	-0.61	
10,046	89.40	313.56	4966	2966	-3671	4719	2.67	-1.55	-2.18	
10,137	90.84	316.61	4965	3030	-3735	4809	3.71	1.58	3.35	
10,227	90.27	316.38	4965	3095	-3797	4899	0.68	-0.63	-0.26	
10,317	89.87	315.67	4964	3160	-3860	4988	0.91	-0.44	-0.79	
10,407	89.23	315.37	4965	3224	-3923	5078	0.79	-0.71	-0.33	
10,497	88.76	314.48	4967	3288	-3987	5167	1.12	-0.52	-0.99	
10,588	91.64	316.79	4966	3353	-4050	5258	4.06	3.16	2.54	
10,678	91.24	316.31	4964	3418	-4112	5347	0.69	-0.44	-0.53	
10,770	89.46	313.50	4964	3483	-4177	5439	3.62	-1.93	-3.05	
10,861	88.86	312.68	4965	3545	-4244	5530	1.12	-0.66	-0.90	
10,951	88.22	312.43	4967	3606	-4310	5620	0.76	-0.71	-0.28	
11,046	87.45	311.48	4971	3670	-4381	5715	1.29	-0.81	-1.00	
11,140	86.68	311.25	4976	3732	-4451	5808	0.85	-0.82	-0.24	
11,178	86.17	310.95	4978	3757	-4480	5846	1.56	-1.34	-0.79	
11,227	86.17	310.95	4981	3789	-4517	5895	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	
503H 85° Casing	0.00	0.00	4942	-453	-341	1,869,532.96	2,841,227.37	36.13734449	-107.43324546	
- actual wellpath misses target center by 15ft at 5271ft MD (4938 TVD, -442 N, -331 E)										
- Point										
503H Heel Rev 1	0.00	0.00	4957	-295	-504	1,869,689.58	2,841,063.37	36.13777660	-107.43379870	
- actual wellpath misses target center by 20ft at 5499ft MD (4961 TVD, -282 N, -490 E)										
- Circle (radius 50)										
503H Toe	0.00	0.00	4982	3788	-4508	1,873,756.16	2,837,042.90	36.14899240	-107.44735980	
- actual wellpath misses target center by 5ft at 11220ft MD (4981 TVD, 3784 N, -4511 E)										
- Circle (radius 100)										



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 2
Project:	Venado Canyon Unit	TVD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Site:	H14 2206 Pad	MD Reference:	GL 7122' & RKB 26' @ 7148ft (H&P 443)
Well:	# 503H	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)	
450	450	-1	-1	First Surface MWD Survey
4457	4379	-766	37	Last Surface MWD Survey
4552	4472	-769	19	First Curve MWD Survey
5247	4934	-460	-314	Last Curve MWD Survey
5386	4953	-361	-411	First Lateral MWD Survey
11,178	4978	3757	-4480	Last Lateral MWD Survey
11,227	4981	3789	-4517	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

**Directional Survey Certification**

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

Operator	DJR Operating
Well Name & No.	Venado Canyon H14 2206 503H
County & State	San Juan, NM
SDI Job No.	OP.034362
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 450 feet to a measured depth of 11,227 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-Jun-22

Date

Janie Collins

Colorado District Well Planner
Scientific Drilling International

Well Name: VENADO CANYON UNIT	Well Location: T22N / R6W / SEC 14 / SENE / 36.138588 / -107.432091	County or Parish/State: SANDOVAL / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM117562	Unit or CA Name: VENADO CANYON UNIT	Unit or CA Number: NMNM135367X
US Well Number: 3004321405	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2701888

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 11/08/2022	Time Sundry Submitted: 11:55
Date Operation Actually Began: 10/01/2022	

Actual Procedure: Completion Sundry -10/01/22: PT 4.5" x 7" casing 2k (30min). Full function PT L400 H5000 (15min). All tests good & recorded on chart. Well swap. -10/10/22: Open well, increase pressure, Alpha Sleeve opened: 8771 psi. Well Swap. -10/19/22 to 10/23/22: Perf Plug & Frac 24 stages: 3 spf, .35" diameter from 5619' – 11150' MD (4957' – 4971' TVD). Total of 600 open holes. As pumped: 47,416 bbls of fluid. 7,380,040 lbs of proppant. 49,468,523 scf of N2. Well swap. -11/01/22: MIRU AWS 812. Full function PT L400 H5000 (30min). All tests good & recorded on chart. TIH. Drill out plugs 1 – 5. -11/02/22: Drill out plugs 5 – 12. Pressure increased to 4k while milling plug 13. Attempt to kill well was unsuccessful. RD AWS 812 & flow well through 4.5" casing to relieve pressure. Well swap. -11/06/22: RU AWS 812. Full function PT L300 H5000 (15min). Pump & kill well. TIH. Drill out plugs 13 – 24. Change over to tubing tools. PT 2k (5min) test good & recorded on chart. -11/7/22: RIH with production string. Land 159 jts of 2.875" 6.5# L80 STC tubing. EOT: 5236'. Five GLVs set at 1926' – 2616' – 3307' – 3997' -4688'. TOH. ND BOPE NU production tree & PT L400 H5000 (30min), test good & recorded on chart. Turn well over to production Rig AWS 812 released on 11/07/22.

Well Name: VENADO CANYON UNIT	Well Location: T22N / R6W / SEC 14 / SENE / 36.138588 / -107.432091	County or Parish/State: SANDOVAL / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM117562	Unit or CA Name: VENADO CANYON UNIT	Unit or CA Number: NMNM135367X
US Well Number: 3004321405	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Operator

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

Operator Electronic Signature: SHAW-MARIE FORD	Signed on: NOV 08, 2022 11:55 AM
Name: DJR OPERATING LLC	
Title: Regulatory Specialist	
Street Address: 1 Road 3263	
City: Aztec	State: NM
Phone: (505) 632-3476	
Email address: sford@djrlc.com	

Field

Representative 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: 11/08/2022
Signature: Kenneth Rennick	



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

Well Completion Print

12/08/2022

Operator Name DJR OPERATING LLC	Well Name VENADO CANYON UNIT	Well Number 503H	US Well Number 3004321405
SHL SENE Sec 14 22N 6W	County SANDOVAL	State NM	Lease Number(s) NMNM117562
Well Type OIL WELL	Well Status Drilling Well	Agreement Name VENADO CANYON UNIT	Agreement Number(s) NMNM135367X, NMNM135367A
Allottee/Tribe Name	Well Pad Name VENADO CANYON UNIT	Well Pad Number 301H, 302H, 303H, 503H	ID 10400065180

Section 1 - General

Well Completion Report Id:	Submission Date: 12-07-2022	
BLM Office: Farmington Field Office	User: SHAW-MARIE FORD	Title: Regulatory Specialist
Federal/Indian: FEDERAL	Lease Number: NMNM117562	Lease Acres:
Agreement in place?: YES	Federal or Indian Agreement:	
Agreement Number:	Agreement Name: VENADO	
Keep this Well Completion Report confidential?:		
APD Operator: DJR OPERATING LLC		

Section 2 - Well

Field/Pool or Exploratory:	Pool Name: LYBROOK GALLUP	Field Name: BASIN MANCOS
Well Type: OIL WELL		
Spud Date: 04-21-2022		
Date Total Measured Depth Reached: 06-21-2022		
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	1320	1329	USEABLE WATER	
KIRTLAND	SHALE		-1469	1469	1481	NONE	

Operator Name DJR OPERATING LLC	Well Name VENADO CANYON UNIT	Well Number 503H	US Well Number 3004321405
SHL SENE Sec 14 22N 6W	County SANDOVAL	State NM	Lease Number(s) NMNM117562
Well Type OIL WELL	Well Status Drilling Well	Agreement Name VENADO CANYON UNIT	Agreement Number(s) NMNM135367X, NMNM135367A
Allottee/Tribe Name	Well Pad Name VENADO CANYON UNIT	Well Pad Number 301H, 302H, 303H, 503H	ID 10400065180

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-1690	1690	1706	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1885	1885	1905	NONE	
LEWIS	SHALE		-1978	1978	1999	NONE	
CHACRA	SANDSTONE		-2691	2691	2726	NONE	
MENEFEE	COAL, SANDSTONE		-3368	3368	3415	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-4139	4139	4200	NONE	
MANCOS	SHALE		-4283	4283	4347	NONE	
MANCOS	SILTSTONE		-4643	4643	4725	NATURAL GAS, OIL	
MANCOS	SILTSTONE		-4961	4961	5393	NATURAL GAS, OIL	

Completion and Completed

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	NMNM135367A	NMNM117562	NEW		POW	11-07-2022	11-15-2022	MANCOS	5619	11150	Y	.35	600	OPEN

Operator Name DJR OPERATING LLC	Well Name VENADO CANYON UNIT	Well Number 503H	US Well Number 3004321405
SHL SENE Sec 14 22N 6W	County SANDOVAL	State NM	Lease Number(s) NMNM117562
Well Type OIL WELL	Well Status Drilling Well	Agreement Name VENADO CANYON UNIT	Agreement Number(s) NMNM135367X, NMNM135367A ID 10400065180
Allottee/Tribe Name	Well Pad Name VENADO CANYON UNIT	Well Pad Number 301H, 302H, 303H, 503H	

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	47416	7380040	Chemical Disclosure uploaded to FracFocus on 11/02/22

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	

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	11/17/2022	24	62	546	796	8806	54/64	258		843

Operator Name DJR OPERATING LLC	Well Name VENADO CANYON UNIT	Well Number 503H	US Well Number 3004321405
SHL SENE Sec 14 22N 6W	County SANDOVAL	State NM	Lease Number(s) NMNM117562
Well Type OIL WELL	Well Status Drilling Well	Agreement Name VENADO CANYON UNIT	Agreement Number(s) NMNM135367X, NMNM135367A
Allottee/Tribe Name	Well Pad Name VENADO CANYON UNIT	Well Pad Number 301H, 302H, 303H, 503H	ID 10400065180

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	SANDOVAL	36.138588	-107.432091	7122	FEDERAL	NMNM117562				2268	FNL	752	FEL	22N	6W	14	SENE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.138588	-107.432091	6739	FEDERAL	NMNM117562				2268	FNL	752	FEL	22N	6W	14	SENE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.1450169	-107.442446	2141	FEDERAL	NMNM109385				1	FSL	1374	FWL	22N	6W	11	SESW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.137596	-107.433483	2165	FEDERAL	NMNM117562				2639	FNL	1157	FEL	22N	6W	14	SENE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.148913	-107.447256	2141	FEDERAL	NMNM117562				1387	FSL	71	FEL	22N	6W	10	NESE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.149001	-107.447382	2141	FEDERAL	NMNM117562	4981	11209		1418	FSL	108	FEL	22N	6W	10	NESE

Operator Name DJR OPERATING LLC	Well Name VENADO CANYON UNIT	Well Number 503H	US Well Number 3004321405
SHL SENE Sec 14 22N 6W	County SANDOVAL	State NM	Lease Number(s) NMNM117562
Well Type OIL WELL	Well Status Drilling Well	Agreement Name VENADO CANYON UNIT	Agreement Number(s) NMNM135367X, NMNM135367A
Allottee/Tribe Name	Well Pad Name VENADO CANYON UNIT	Well Pad Number 301H, 302H, 303H, 503H	ID 10400065180

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	379	9.625	36	J-55		ST&C		
00	INTERMEDIATE	8.75	0	5272	7.0	26	J-55		LT&C		
00	LINER	6.125	5023	11222	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		C	109	1.61	0					31.3
00	INTERMEDIATE		G	482	2.5	0	G	143	1.5	4354	252.8
00	LINER		G	665	1.52	5023					180

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
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Operator Name DJR OPERATING LLC	Well Name VENADO CANYON UNIT	Well Number 503H	US Well Number 3004321405
SHL SENE Sec 14 22N 6W	County SANDOVAL	State NM	Lease Number(s) NMNM117562
Well Type OIL WELL	Well Status Drilling Well	Agreement Name VENADO CANYON UNIT	Agreement Number(s) NMNM135367X, NMNM135367A ID 10400065180
Allottee/Tribe Name	Well Pad Name VENADO CANYON UNIT	Well Pad Number 301H, 302H, 303H, 503H	

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		5236	5044	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 VENADO CANYON UNIT	Well Number 503H	US Well Number 3004321405
SHL SENE Sec 14 22N 6W	County SANDOVAL	State NM	Lease Number(s) NMNM117562
Well Type OIL WELL	Well Status Drilling Well	Agreement Name VENADO CANYON UNIT	Agreement Number(s) NMNM135367X, NMNM135367A
Allottee/Tribe Name	Well Pad Name VENADO CANYON UNIT	Well Pad Number 301H, 302H, 303H, 503H	ID 10400065180

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: 12/07/2022

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

EOW_Certified_DD_Survey_20221207123139.pdf

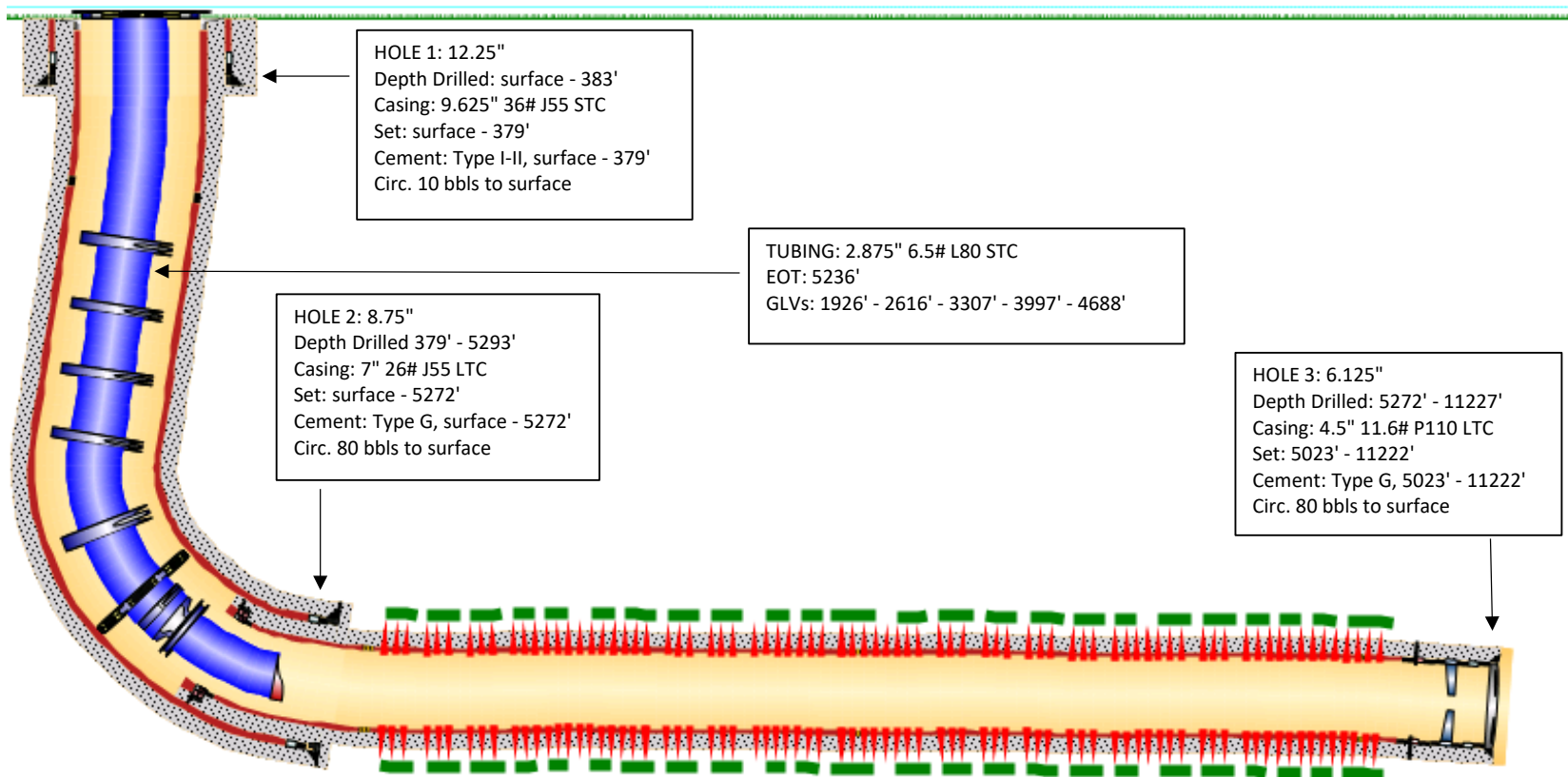
503H_As_Drilled_Plat_WBD_20221207123152.pdf

VENADO CANYON UNIT 503H

API: 30-043-21405
 SHL: SENE H-14-22N-06W
 2268' FNL x 752' FEL

Page 21 of 23
 Elevation: 7122' GL
 Spud Date: 04/21/2022
 Completed Date: 11/07/2022

FORMATION	MD	TVD
Ojo Alamo	1329'	1320'
Kirtland	1481'	1469'
Fruitland	1706'	1690'
Pictured Cliffs	1905'	1885'
Lewis	1999'	1978'
Chacra	2726'	2691'
Menefee	3415'	3368'
Point Lookout	4200'	4139'
Mancos	4347'	4283'
KOP~	4383'	4306'
Gallup	NP	NP
Target	5393'	4961'



Perf:	24 Stages	Frac:	24 Stages
Depth:	5619' - 11150' MD		47,416 bbls of fluid
	4957' - 4971' TVD		7,380,040 lbs of proppant
			49,468,523 scf of N2
Total of 600 Open Holes			

(NAD83)	LAT.	LONG.
SHL:	36.138588	-107.432091
FTP:	36.137596	-107.433483
LTP:	36.148913	-107.447256
BHL:	36.149001	-107.447382

BHL: NESE I-10-22N-06W
 1418' FSL x 108' FEL

11,227'	TD
4,981'	TVD
11,209'	PBTD
11,179'	FracSleeve

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 174796

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 174796
	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 174796

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 174796
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	2/3/2023