

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
FBR NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM54981
2. Name of Operator DJR OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address 1600 BROADWAY SUITE 1960 DENVER, CO 80202		7. If Unit or CA Agreement, Name and/or No. NMNM135203X
3b. Phone No. (include area code) Ph: 505-632-3476		8. Well Name and No. CROW CANYON UNIT 124H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T24N R8W SESW 1085FSL 2064FWL 36.295559 N Lat, 107.724921 W Lon		9. API Well No. 30-045-35651-00-X1
		10. Field and Pool or Exploratory Area BASIN MANCOS
		11. County or Parish, State SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☒ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Surface Casing was set at 361 MD. Drilled 8 3/4 hole to 5807 MD. While running 7 inch intermediate casing the formation became unstable from 650 to 2000 MD. After several failed attempts the hole will be plugged back as follows.

-Plugs will be set with 2 7/8 tubing

-Plug 5 will be used as a sidetrack plug to re-drill the 8 3/4 intermediate hole

-Plug 3 at Chacra will be set 100 ft above and 100 ft below formation (2474 to 3324 respectively)

-Cement: 20% excess over gauge hole on plugs 1, 2, and 3. 70% excess over gauge hole on plug 4, estimate 70% excess in open hole on plug 5, will adjust volume based on where plug 4 is tagged.

-WOC to stabilize before re-entering 124H hole by skidding and commencing drilling operations on the 123H.

Will file Subsequent Report for Sidetrack to include

Revised C-102, Revised 10 pt Drilling Plan, Directionals, Wellbore Diagram

NMOCD

AUG 09 2019

DISTRICT III

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #476633 verified by the BLM Well Information System For DJR OPERATING LLC, sent to the Farmington Committed to AFMSS for processing by JOE KILLINS on 08/05/2019 (19JK0115SE)	
Name (Printed Typed) SHAW-MARIE FORD	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 08/05/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JOE KILLINS	Title ENGINEER	Date 08/05/2019
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Farmington

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.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOCD

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Additional data for EC transaction #476633 that would not fit on the form

32. Additional remarks, continued

Attachments to this sundry include Survey Report and Wellbore Diagram showing formation tops.



DJR Operating

Crow Canyon Unit
N19 2408 Pad
124H

Original drilling

Design: Original drilling

Standard Survey Report

04 August, 2019



Scientific Drilling

www.scientificdrilling.com



Scientific Drilling, Intl
Survey Report



Company: DJR Operating
Project: Crow Canyon Unit
Site: N19 2408 Pad
Well: # 124H
Wellbore: Original drilling
Design: Original drilling

Local Co-ordinate Reference: Well # 124H
TVD Reference: GL 6792' & RKB 14' @ 6806 00usft (Aztec 920)
MD Reference: GL 6792' & RKB 14' @ 6806 00usft (Aztec 920)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Grand Junction District

Project	Crow 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	N19 2408 Pad		
Site Position:		Northing:	1,926,901.02 usft
From:	Lat/Long	Easting:	2,755,068.36 usft
Position Uncertainty:	0.00 usft	Slot Radius:	16 "
		Latitude:	36° 17' 44.012 N
		Longitude:	107° 43' 29.352 W
		Grid Convergence:	0.06 °

Well	# 124H, FKA 02H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36° 17' 44.012 N
		Longitude:	107° 43' 29.716 W
		Ground Level:	6,792.00 usft

Wellbore	Original drilling		
Magnetics	Model Name	Sample Date	Declination
	HDGM	7/29/2019	(°)
			8.78
			Dip Angle
			(°)
			62.83
			Field Strength
			(nT)
			49,486

Design	Original drilling		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			143.23

Survey Program	Date 8/4/2019		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
450.00	5,807.00	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM
			Description
			OWSG MWD + HDGM

Survey	Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
	(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	450.00	0.41	82.47	450.00	0.21	1.60	0.79	0.09	0.09	0.00
	512.00	0.38	72.77	511.99	0.30	2.01	0.96	0.12	-0.05	-15.65
	572.00	1.31	210.41	571.99	-0.23	1.86	1.30	2.69	1.55	229.40
	633.00	2.87	210.83	632.95	-2.14	0.72	2.15	2.56	2.56	0.69
	695.00	3.90	217.62	694.84	-5.15	-1.36	3.31	1.78	1.66	10.95
	756.00	5.05	218.66	755.65	-8.89	-4.31	4.54	1.89	1.89	1.70
	817.00	6.58	214.21	816.34	-13.87	-7.95	6.36	2.61	2.51	-7.30
	878.00	7.62	212.10	876.87	-20.19	-12.06	8.95	1.76	1.70	-3.46
	926.60	8.28	209.91	925.00	-25.95	-15.52	11.50	1.49	1.36	-4.52
Ojo Alamo										



Scientific Drilling, Intl Survey Report



Company: DJR Operating
Project: Crow Canyon Unit
Site: N19 2408 Pad
Well: # 124H
Wellbore: Original drilling
Design: Original drilling

Local Co-ordinate Reference: Well # 124H
TVD Reference: GL 6792' & RKB 14' @ 6806 00usft (Aztec 920)
MD Reference: GL 6792' & RKB 14' @ 6806 00usft (Aztec 920)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
939.00	8.45	209.40	937.27	-27.52	-16.41	12.22	1.49	1.37	-4.07
1000.00	10.08	208.85	997.47	-35.10	-21.19	16.24	2.68	2.67	-0.90
1060.00	11.08	209.71	1056.45	-45.71	-26.58	20.70	1.69	1.67	1.43
1080.96	11.55	210.74	1077.00	-49.26	-28.65	22.31	2.46	2.26	4.93
Kirtland									
1121.00	12.47	212.50	1116.17	-56.36	-33.02	25.37	2.46	2.29	4.39
1181.00	12.99	212.53	1174.69	-67.50	-40.13	30.05	0.87	0.87	0.05
1242.00	12.96	212.63	1234.13	-79.05	-47.51	34.88	0.06	-0.05	0.16
1304.00	12.91	212.02	1294.56	-90.77	-54.93	39.83	0.23	-0.08	-0.98
1364.00	12.67	210.53	1353.07	-102.12	-61.82	44.80	0.68	-0.40	-2.48
1426.00	12.64	210.17	1413.57	-113.84	-68.69	50.08	0.14	-0.05	-0.58
1480.78	12.84	209.50	1467.00	-124.32	-74.70	54.88	0.45	0.36	1.23
Fruitland									
1487.00	12.86	209.42	1473.06	-125.53	-75.38	55.43	0.45	0.36	-1.21
1548.00	13.32	209.50	1532.48	-137.56	-82.17	61.00	0.75	0.75	0.13
1609.00	12.90	209.69	1591.89	-149.59	-89.00	66.55	0.69	-0.69	0.31
1668.00	13.38	208.66	1649.34	-161.30	-95.54	72.02	0.91	0.81	-1.75
1708.74	13.09	207.87	1689.00	-169.51	-99.96	75.95	0.85	-0.72	-1.93
Pictured Cliffs									
1729.00	12.94	207.47	1708.74	-173.55	-102.07	77.92	0.85	-0.72	-1.99
1790.00	13.17	207.18	1768.16	-185.79	-108.40	83.94	0.39	0.38	-0.48
1806.26	13.04	206.95	1784.00	-189.08	-110.08	85.57	0.88	-0.82	-1.42
Lewis									
1851.00	12.67	206.29	1827.62	-197.57	-114.54	90.02	0.88	-0.82	-1.47
1912.00	13.35	207.94	1887.05	-210.19	-120.80	96.06	1.27	1.11	2.70
1974.00	13.16	207.78	1947.40	-222.76	-127.44	102.15	0.31	-0.31	-0.26
2034.00	12.44	206.26	2005.91	-234.60	-133.49	108.02	1.32	-1.20	2.53
2096.00	12.78	206.64	2066.41	-246.72	-139.51	114.12	0.56	0.55	0.61
2157.00	13.51	209.63	2125.82	-258.94	-146.06	119.99	1.64	1.20	4.90
2218.00	14.01	210.43	2185.06	-271.50	-153.33	125.70	0.88	0.82	1.31
2279.00	14.03	209.53	2244.25	-284.30	-160.71	131.54	0.36	0.03	-1.48
2340.00	13.79	208.56	2303.46	-297.12	-167.83	137.54	0.55	-0.39	-1.59
2402.00	13.74	209.08	2363.68	-310.05	-174.94	143.64	0.22	-0.08	0.84
2462.00	13.80	208.22	2421.95	-322.58	-181.79	149.58	0.36	0.10	-1.43
2523.00	13.87	207.76	2481.18	-335.46	-188.63	155.80	0.21	0.11	-0.75
2574.30	13.74	210.66	2531.00	-346.14	-194.60	160.78	1.37	-0.25	5.66
Chacra									
2584.00	13.72	211.22	2540.43	-348.12	-195.79	161.66	1.37	-0.21	5.72
2645.00	13.33	212.69	2599.73	-360.22	-203.34	166.84	0.85	-0.64	2.41
2705.00	13.54	213.19	2658.09	-371.92	-210.92	171.67	0.40	0.35	0.83
2766.00	13.61	213.67	2717.39	-383.87	-218.81	176.52	0.22	0.11	0.79
2827.00	12.92	210.08	2776.76	-395.74	-226.20	181.60	1.76	-1.13	-5.89
2888.00	12.87	207.15	2836.22	-407.69	-232.72	187.27	1.07	-0.08	-4.80
2950.00	12.58	208.22	2896.70	-419.78	-239.06	193.16	0.60	-0.47	1.73



Scientific Drilling, Intl Survey Report



Company: DJR Operating
Project: Crow Canyon Unit
Site: N19 2406 Pad
Well: # 124H
Wellbore: Original drilling
Design: Original drilling

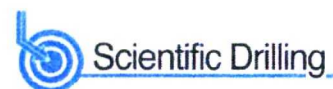
Local Co-ordinate Reference: Well # 124H
TVD Reference: GL 6792' & RKB 14' @ 6806.00usft (Aztec 920)
MD Reference: GL 6792' & RKB 14' @ 6806.00usft (Aztec 920)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,011.00	12.35	207.48	2,956.26	-431.42	-245.22	198.80	0.46	-0.38	-1.21
3,073.00	12.50	211.25	3,016.81	-443.04	-251.76	204.20	1.33	0.24	6.08
3,134.00	12.34	210.97	3,076.38	-454.28	-258.53	209.14	0.28	-0.26	-0.46
3,196.00	12.23	210.72	3,136.96	-465.60	-265.30	214.16	0.20	-0.18	-0.40
3,221.62	12.36	211.02	3,162.00	-470.29	-268.10	216.23	0.56	0.51	1.16
Cliffhouse									
3,242.10	12.46	211.25	3,182.00	-474.05	-270.37	217.89	0.56	0.51	1.14
Menefee									
3,257.00	12.54	211.42	3,196.54	-476.81	-272.05	219.09	0.56	0.51	1.13
3,320.00	11.96	211.49	3,256.11	-488.21	-279.03	224.05	0.92	-0.92	0.11
3,383.00	11.89	211.68	3,319.75	-499.30	-285.84	228.85	0.13	-0.11	0.30
3,446.00	12.43	212.13	3,381.34	-510.56	-292.86	233.68	0.87	0.86	0.71
3,509.00	12.86	209.42	3,442.81	-522.41	-299.91	238.95	1.16	0.68	-4.30
3,572.00	12.99	206.86	3,504.21	-534.84	-306.55	244.93	0.93	0.21	-4.06
3,634.00	13.70	207.10	3,564.54	-547.59	-313.04	251.25	1.15	1.15	0.39
3,697.00	13.78	206.49	3,625.74	-560.95	-319.79	257.92	0.26	0.13	-0.97
3,760.00	14.07	206.29	3,686.88	-574.53	-326.53	264.76	0.47	0.46	-0.32
3,823.00	13.48	205.42	3,748.07	-588.03	-333.07	271.66	0.99	-0.94	-1.38
3,886.00	13.88	209.30	3,809.29	-601.25	-339.92	278.15	1.59	0.63	6.16
3,948.00	14.02	209.38	3,869.46	-614.28	-347.25	284.20	0.23	0.23	0.13
4,011.00	13.75	209.39	3,930.62	-627.45	-354.66	290.31	0.43	-0.43	0.02
4,074.00	13.01	208.41	3,991.91	-640.21	-361.71	296.31	1.23	-1.17	-1.56
4,137.00	12.29	207.26	4,053.38	-652.41	-368.16	302.23	1.21	-1.14	-1.83
4,177.58	12.66	207.85	4,093.00	-660.18	-372.21	306.03	0.97	0.92	1.46
Point Lookout									
4,199.00	12.86	208.15	4,113.89	-664.36	-374.44	308.04	0.97	0.92	1.39
4,262.00	13.78	210.01	4,175.19	-677.04	-381.50	313.97	1.61	1.46	2.95
4,325.00	13.82	209.80	4,236.38	-690.06	-388.99	319.92	0.10	0.06	-0.33
4,388.00	13.05	208.20	4,297.65	-702.86	-396.09	325.92	1.36	-1.22	-2.54
4,399.65	13.03	208.99	4,309.00	-705.17	-397.35	327.02	1.55	-0.19	6.82
Mancos									
4,452.00	12.96	212.59	4,360.01	-715.28	-403.37	331.51	1.55	-0.13	6.87
4,514.00	11.94	212.48	4,420.55	-726.55	-410.56	336.23	1.65	-1.65	-0.18
4,577.00	11.45	211.01	4,482.24	-737.40	-417.28	340.91	0.91	-0.78	-2.33
4,639.00	11.20	211.69	4,543.04	-747.80	-423.61	345.45	0.46	-0.40	1.10
4,702.00	11.56	213.06	4,604.80	-758.30	-430.27	349.87	0.71	0.57	2.17
4,765.00	11.91	211.61	4,666.48	-769.12	-437.12	354.44	0.73	0.56	2.30
4,785.98	12.18	210.69	4,687.00	-772.87	-439.39	356.09	1.57	1.27	-4.41
Mancos Silt									
4,829.00	12.73	208.91	4,729.01	-780.92	-443.99	359.78	1.57	1.29	-4.13
4,892.00	17.02	177.99	4,789.98	-796.24	-447.03	370.23	14.08	6.81	-49.08
4,954.00	22.51	165.17	4,848.33	-816.81	-443.67	388.72	11.23	8.85	-20.68
5,017.00	26.10	160.28	4,905.74	-841.52	-435.90	413.16	6.53	5.70	-7.76
5,080.00	29.77	155.12	4,961.40	-868.77	-424.64	441.73	6.97	5.83	-8.19



Scientific Drilling, Intl
Survey Report



Company: DJR Operating
Project: Crow Canyon Unit
Site: N19 2408 Pad
Well: # 124H
Wellbore: Original drilling
Design: Original drilling

Local Co-ordinate Reference: Well # 124H
TVD Reference: GL 6792' & RKB 14' @ 6806.00usft (Aztec 920)
MD Reference: GL 6792' & RKB 14' @ 6806.00usft (Aztec 920)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,143.00	32.69	152.27	5,015.27	-898.03	-410.14	473.85	5.19	4.63	-4.52
5,206.00	35.48	148.72	5,067.44	-928.72	-392.73	508.86	5.44	4.43	5.63
5,253.10	38.76	146.43	5,105.00	-952.70	-377.47	537.20	7.56	6.97	-4.86
Gallup A									
5,270.00	39.95	145.69	5,118.06	-961.59	-371.49	547.90	7.56	7.03	-4.39
5,304.78	43.59	142.93	5,144.00	-980.38	-357.96	571.05	11.72	10.47	-7.93
Gallup B									
5,332.00	46.48	141.02	5,163.24	-995.55	-346.09	590.30	11.72	10.62	-7.02
5,395.00	50.73	138.88	5,204.89	-1,031.69	-315.67	637.47	7.21	6.75	-3.40
5,455.80	56.36	137.59	5,241.00	-1,068.14	-283.10	686.16	9.41	9.26	-2.12
Gallup C									
5,457.00	56.47	137.57	5,241.67	-1,068.88	-282.43	687.16	9.41	9.27	-1.97
5,520.00	62.96	136.51	5,273.42	-1,108.66	-245.36	741.21	10.40	10.30	-1.68
5,583.00	67.47	136.86	5,299.82	-1,150.27	-206.13	798.02	7.18	7.16	0.56
5,646.00	70.30	135.71	5,322.52	-1,192.74	-165.52	856.35	4.80	4.49	-1.83
5,709.00	74.96	132.39	5,341.32	-1,234.51	-122.31	915.68	8.94	7.40	-5.27
5,755.00	78.60	131.21	5,351.84	-1,254.35	-88.93	959.56	8.30	7.91	-2.57
5,807.00	84.00	126.60	5,359.71	-1,295.60	-48.95	1,009.33	13.59	10.38	-8.87

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
926.60	925.00	Ojo Alamo		0.00	0.00
1,080.96	1,077.00	Kirtland		0.00	0.00
1,480.78	1,467.00	Fruitland		0.00	0.00
1,708.74	1,689.00	Pictured Cliffs		0.00	0.00
1,806.26	1,784.00	Lewis		0.00	0.00
2,574.30	2,531.00	Chacra		0.00	0.00
3,221.62	3,162.00	Cliffhouse		0.00	0.00
3,242.10	3,182.00	Menefee		0.00	0.00
4,177.58	4,093.00	Point Lookout		0.00	0.00
4,399.65	4,309.00	Mancos		0.00	0.00
4,785.98	4,687.00	Mancos Silt		0.00	0.00
5,253.10	5,105.00	Gallup A		0.00	0.00
5,304.78	5,144.00	Gallup B		0.00	0.00
5,455.80	5,241.00	Gallup C		0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

— RIVER CANYON 174 H
 REVISION #1
 BLUEBACK PLAN

