Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

ZINIERIOR	
NAGEMENT	5. Lease Seria

BUREAU OF LAND MANAGEMENT		5. Lease Serial No.	IMNM81638
SUNDRY NOTICES AND REPORTS ON W Do not use this form for proposals to drill or to abandoned well. Use Form 3160-3 (APD) for suc	re-enter an	6. If Indian, Allottee of	or Tribe Name
SUBMIT IN TRIPLICATE - Other instructions on pag	e 2	_	ement, Name and/or No.
1. Type of Well			UNIT/NMNM135229A
Oil Well Gas Well Other		o. A DE YY, II AY	NORTH ALAMITO UNIT/102H
2. Name of Operator DJR OPERATING LLC		9. API Well No. 3004	
3a. Address 1700 LINCOLN STREET SUITE 2800, DENVER, 3b. Phone No. (303) 595-74.		10. Field and Pool or BASIN MANCOS/	Exploratory Area NORTH ALAMITO UNIT MANCOS O
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 19/T23N/R7W/NMP		11. Country or Parish, SANDOVAL/NM	State
12. CHECK THE APPROPRIATE BOX(ES) TO INI	DICATE NATURE OF NOTI	CE, REPORT OR OTI	HER DATA
TYPE OF SUBMISSION	TYPE OF AC	ΓΙΟΝ	
Notice of Intent Acidize Deep Alter Casing Hydr	=	uction (Start/Resume)	Water Shut-Off Well Integrity
Subsequent Report		mplete oorarily Abandon	Other
Final Abandonment Notice Convert to Injection Plug	Back Wate	r Disposal	
completed. Final Abandonment Notices must be filed only after all requirement is ready for final inspection.) DJR respectfully requests to revise the FTP and LTP for the subject w NWNE of Section 19 T23N R7W (5751 MD 5288' TVD). The As Drilled Section 19 T23N R7W (5751' MD 5279' TVD). The LTP was permitted (14996 MD 5282 TVD). The As Drilled plat shows the LTP at 863 FNL 5277' TVD). The revised FTP & LTP is detailed in the attached As-Dril December 21, 2023, Enduring Resources, LLC & DJR Operating, LLC rights of way, wells, and other property interests will continue to be held.	ell. The FTP was permitted plat shows the FTP at 23 at 855 FNL x 82 FEL Loca x 87 FEL Located in the N led Well Location and the fare wholly owned subsidia	I at 254 FNL x 1974 B FNL x 1985 FWL L ated in the NENE of S ENE of Section 29 T inal directional surve aries of Enduring Re	FWL Located in the cocated in the NWNE of Section 29 T23N R7W (23N R7W (15017' MD by. Please note, effective
HEATHER HUNTINGTON / Ph: (505) 636-9751	Permitting Technicia	an	
Signature (Electronic Submission)	Date	06/21/2	024
THE SPACE FOR FED	ERAL OR STATE OF	ICE USE	
Approved by		.	00/6:/2001
KENNETH G RENNICK / Ph: (505) 564-7742 / Approved	Petroleum Eng		06/21/2024 Date
Conditions of approval, if any, are attached. Approval of this notice does not warran certify that the applicant holds legal or equitable title to those rights in the subject lewhich would entitle the applicant to conduct operations thereon.		DN	
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for an	ny person knowingly and will	fully to make to any de	epartment 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)



Company: **Enduring Resources LLC**

Project: Sandoval County, New Mexico NAD83 NM C

North Alamito Unit (102 & 106) Site: North Alamito Unit 102 H Well:

Wellbore: Original Hole MWD surveys Design:

Local Co-ordinate Reference:

Well North Alamito Unit 102 H

RKB=6962+23.5 @ 6985.50ft (Ensign 140) TVD Reference: RKB=6962+23.5 @ 6985.50ft (Ensign 140) MD Reference:

North Reference:

Survey Calculation Method: Minimum Curvature DT May1924 v17 Database:

Sandoval County, New Mexico NAD83 NM C **Project**

US State Plane 1983 Map System: North American Datum 1983 Geo Datum: Map Zone: New Mexico Central Zone

Mean Sea Level System Datum:

Site North Alamito Unit (102 & 106)

Northing: 1,901,167.83 usft 36.21727000 Site Position: Latitude: Lat/Long From: Easting: 1,239,107.83 usft Longitude: -107.61047300

Position Uncertainty: 0.00 ft Slot Radius: 13-3/16 "

Well North Alamito Unit 102 H, Surf loc: 917 FNL 1154 FE: Section 19-T23N-R07W **Well Position** +N/-S 0.00 ft Northing: 1,901,167.83 usft Latitude: 36.21727000 +E/-W 0.00 ft Easting: 1,239,107.83 usft Longitude: -107.61047300 0.00 ft 6,962.00 ft Wellhead Elevation: ft Ground Level: **Position Uncertainty** -0.80° **Grid Convergence:**

Wellbore Original Hole Magnetics **Model Name** Sample Date Declination **Dip Angle** Field Strength (nT) (°) (°) 49,018.90322384 IGRF2020 5/20/2024 8.43 62.69

Design MWD surveys Audit Notes: Version: 1.0 Phase: ACTUAL Tie On Depth: 0.00 Vertical Section: Depth From (TVD) +N/-S +F/-W Direction (ft) (ft) (ft) (°) 0.00 130.545 0.00 0.00

Survey Program 6/19/2024 Date From То (ft) (ft) Survey (Wellbore) **Tool Name** Description 485.00 5,839.00 MWD int (Original Hole) MWD OWSG MWD - Standard MWD OWSG MWD - Standard 5.977.00 14,987.00 MWD (Original Hole) 15,067.00 MWD OWSG MWD - Standard 15,067.00 Projection (Original Hole)

Survey Vertical Vertical Build Measured Dogleg Turn Depth Depth Section Rate Rate Rate Inclination +N/-S +E/-W Azimuth (ft) (ft) (ft) (°/100ft) (°/100ft) (°/100ft) (°) (°) (ft) (ft) 0.00 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 485.00 0.56 89.820 484.99 0.01 2.37 1.80 0.12 0.12 0.00 MWD surveys 574.00 0.73 82.750 573.99 0.08 3.37 2.51 0.21 0.19 -7.94 664.00 0.73 79.370 663.98 0.26 4.50 3.25 0.05 0.00 -3.76 753.00 0.68 91.720 752.97 0.35 0.18 -0.06 13.88 5.58 4.02 1.00 6.76 5.22 0.63 36.99 843.00 125.010 842.96 -0.120.36 932.00 0.50 931.96 -0.40 6.15 0.98 -0.56 -67.70 64.760 7.75





Company: Enduring Resources LLC

Project: Sandoval County, New Mexico NAD83 NM C

Site: North Alamito Unit (102 & 106) Well: North Alamito Unit 102 H

Wellbore: Original Hole MWD surveys Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method: Database:

Well North Alamito Unit 102 H

RKB=6962+23.5 @ 6985.50ft (Ensign 140)

RKB=6962+23.5 @ 6985.50ft (Ensign 140)

Minimum Curvature DT_May1924_v17

Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth (ft)	Inclination (°)	Azimuth (°)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Section (ft)	Rate (°/100ft)	Rate (°/100ft)	Rate (°/100ft)
1,021.00	0.91	2.450	1,020.95	0.47	8.13	5.87	0.91	0.46	-70.01
1,115.00	3.94	323.250	1,114.86	3.81	6.23	2.26	3.50	3.22	-41.70
1,208.00	7.05	322.730	1,207.42	10.91	0.86	-6.44	3.34	3.34	-0.56
1,302.00	10.61	317.970	1,300.29	21.93	-8.43	-20.66	3.86	3.79	-5.06
1,394.00	12.79	319.440	1,390.38	35.96	-20.72	-39.12	2.39	2.37	1.60
1,487.00	16.15	314.050	1,480.42	52.78	-36.72	-62.21	3.89	3.61	-5.80
1,579.00	18.40	309.500	1,568.27	70.92	-57.12	-89.51	2.85	2.45	-4.95
1,674.00	20.46	310.260	1,657.85	91.19	-81.36	-121.10	2.18	2.17	0.80
1,764.00	24.10	306.730	1,741.12	112.35	-108.11	-155.18	4.31	4.04	-3.92
1,856.00	24.86	304.600	1,824.85	134.56	-139.08	-193.16	1.27	0.83	-2.32
1,948.00	24.06	309.770	1,908.60	157.54	-169.42	-231.15	2.48	-0.87	5.62
2,037.00	22.77	306.500	1,990.28	179.40	-197.21	-266.47	2.06	-1.45	-3.67
2,127.00	23.24	306.290	2,073.12	200.27	-225.52	-301.55	0.53	0.52	-0.23
2,216.00	24.38	308.060	2,154.54	221.98	-254.14	-337.42	1.51	1.28	1.99
2,306.00	23.94	307.210	2,236.66	244.48	-283.31	-374.21	0.62	-0.49	-0.94
2,395.00	24.63	307.710	2,317.78	266.74	-312.36	-410.76	0.81	0.78	0.56
2,484.00	23.40	305.950	2,399.08	288.46	-341.34	-446.90	1.60	-1.38	-1.98
2,574.00	24.21	307.940	2,481.42	310.30	-370.36	-483.15	1.27	0.90	2.21
2,663.00	25.10	308.120	2,562.31	333.17	-399.61	-520.24	1.00	1.00	0.20
2,752.00	24.21	307.510	2,643.20	355.94	-428.93	-557.32	1.04	-1.00	-0.69
2,842.00	25.42	310.290	2,724.89	379.67	-458.31	-595.07	1.87	1.34	3.09
2,931.00	23.37	309.600	2,805.94	403.28	-486.48	-631.82	2.33	-2.30	-0.78
3,020.00	23.53	311.410	2,887.59	426.28	-513.41	-667.24	0.83	0.18	2.03
3,110.00	22.65	310.180	2,970.38	449.34	-540.12	-702.53	1.11	-0.98	-1.37
3,199.00	23.74	310.790	3,052.18	472.10	-566.78	-737.58	1.25	1.22	0.69
3,289.00	26.12	312.460	3,133.79	497.32	-595.12	-775.50	2.76	2.64	1.86
3,379.00	24.91	310.970	3,215.01	523.12	-624.04	-814.26	1.52	-1.34	-1.66
3,468.00	26.43	311.840	3,295.23	548.62	-652.95	-852.81	1.76	1.71	0.98
3,557.00	25.48	310.980	3,375.25	574.39	-682.16	-891.75	1.15	-1.07	-0.97
3,647.00	25.47	310.780	3,456.50	599.73	-711.43	-930.46	0.10	-0.01	-0.22
3,736.00	27.88	311.190	3,536.02	625.93	-741.59	-970.41	2.72	2.71	0.46
3,826.00	25.73	312.070	3,616.35	652.88	-771.93	-1,010.99	2.43	-2.39	0.98
3,915.00	24.46	310.260	3,696.94	677.74	-800.33	-1,048.73	1.67	-1.43	-2.03
4,005.00	27.35	312.750	3,777.89	703.82	-829.74	-1,088.03	3.43	3.21	2.77
4,094.00	26.43	311.590	3,857.27	730.85	-859.57	-1,128.26	1.19	-1.03	-1.30
4,184.00	26.66	311.520	3,937.78	757.53	-889.66	-1,168.48	0.26	0.26	-0.08
4,273.00	24.81	309.120	4,017.95	782.55	-919.10	-1,207.11	2.39	-2.08	-2.70
4,363.00	24.50	308.090	4,017.93	805.97	-948.44	-1,244.63	0.59	-0.34	-1.14
4,452.00	22.74	310.200	4,181.29	828.46	-976.11	-1,280.28	2.19	-1.98	2.37
4,541.00	21.17	312.310	4,263.84	850.38	-1,001.13	-1,313.54	1.97	-1.76	2.37
4,631.00	23.11	307.890	4,347.20	872.17	-1,027.09	-1,347.43	2.84	2.16	-4.91
4,720.00	23.06	306.310	4,429.08	893.22	-1,054.92	-1,382.27	0.70	-0.06	-1.78
4,765.00	21.16	306.010	4,470.77	903.22	-1,068.60	-1,399.15	4.23	-4.22	-0.67









Company: Enduring Resources LLC

Project: Sandoval County, New Mexico NAD83 NM C

Site: North Alamito Unit (102 & 106)
Well: North Alamito Unit 102 H

Wellbore: Original Hole
Design: MWD surveys

Local Co-ordinate Reference:

TVD Reference:
MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well North Alamito Unit 102 H

RKB=6962+23.5 @ 6985.50ft (Ensign 140) RKB=6962+23.5 @ 6985.50ft (Ensign 140)

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Minimum Curvature DT_May1924_v17

urvey										
	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	4,810.00	18.44	307.540	4,513.10	912.33	-1,080.81	-1,414.36	6.15	-6.04	3.40
	4,855.00	15.56	307.010	4,556.13	920.30	-1,091.28	-1,427.49	6.41	-6.40	-1.18
	4,899.00	14.54	306.860	4,598.62	927.17	-1,100.41	-1,438.90	2.32	-2.32	-0.34
	4,944.00	10.76	315.320	4,642.52	933.54	-1,107.88	-1,448.72	9.33	-8.40	18.80
	4,989.00	7.79	330.140	4,686.94	939.18	-1,112.36	-1,455.78	8.42	-6.60	32.93
	5,033.00	3.27	352.300	4,730.73	943.01	-1,114.01	-1,459.53	11.18	-10.27	50.36
	5,078.00	3.01	106.240	4,775.69	943.95	-1,113.05	-1,459.41	11.70	-0.58	253.20
	5,123.00	8.93	122.120	4,820.43	941.76	-1,108.95	-1,454.88	13.53	13.16	35.29
	5,168.00	13.87	123.800	4,864.53	936.90	-1,101.51	-1,446.06	11.00	10.98	3.73
	5,212.00	18.12	126.590	4,906.81	929.89	-1,091.63	-1,433.99	9.81	9.66	6.34
	5,257.00	22.20	127.150	4,949.05	920.58	-1,079.23	-1,418.52	9.08	9.07	1.24
	5,301.00	26.12	128.720	4,989.19	909.49	-1,065.04	-1,400.53	9.03	8.91	3.57
	5,346.00	29.56	130.100	5,028.97	896.14	-1,048.82	-1,379.52	7.78	7.64	3.07
	5,391.00	33.40	131.800	5,067.34	880.73	-1,031.08	-1,356.03	8.76	8.53	3.78
	5,435.00	37.34	131.990	5,103.21	863.73	-1,012.13	-1,330.58	8.96	8.95	0.43
	5,480.00	42.21	131.070	5,137.79	844.65	-990.58	-1,301.80	10.90	10.82	-2.04
	5,525.00	46.66	130.220	5,169.91	824.15	-966.67	-1,270.30	9.98	9.89	-1.89
	5,570.00	52.87	130.900	5,198.97	801.81	-940.59	-1,235.97	13.85	13.80	1.51
	5,614.00	58.64	131.450	5,223.72	777.87	-913.23	-1,199.61	13.15	13.11	1.25
	5,659.00	64.01	133.660	5,245.30	751.17	-884.18	-1,160.17	12.69	11.93	4.91
	5,704.00	68.37	133.960	5,263.47	722.67	-854.47	-1,119.08	9.71	9.69	0.67
	5,749.00	72.72	133.810	5,278.45	693.27	-823.90	-1,076.73	9.67	9.67	-0.33
	5,751.00	72.89	133.788	5,279.04	691.95	-822.52	-1,074.83	8.38	8.31	-1.11
	330 ppd @ 5	751.00 MD 5279.	.04 TVD - FTP @	5751.00 MD 5	279.04 TVD					
	5,794.00	76.46	133.320	5,290.41	663.38	-792.47	-1,033.42	8.38	8.31	-1.09
	5,839.00	80.13	131.650	5,299.53	633.62	-759.98	-989.39	8.93	8.16	-3.71
	5,925.10	84.26	131.989	5,311.22	576.76	-696.42	-904.13	4.81	4.80	0.39
	9 5/8" Casing	g shoe @ 5925.1	0 MD 5311.22 T	VD						
	5,977.00	86.75	132.190	5,315.29	542.08	-658.03	-852.41	4.81	4.80	0.39
	6,065.00	89.42	132.500	5,318.23	482.84	-593.03	-764.51	3.05	3.03	0.35
	6,152.00	90.48	131.900	5,318.31	424.40	-528.58	-677.55	1.40	1.22	-0.69
	6,240.00	89.74	130.960	5,318.14	366.17	-462.60	-589.56	1.36	-0.84	-1.07
	6,327.00	90.78	131.020	5,317.74	309.11	-396.93	-502.56	1.20	1.20	0.07
	6,414.00	91.33	130.890	5,316.14	252.09	-331.24	-415.58	0.65	0.63	-0.15
	6,501.00	90.54	130.210	5,314.72	195.54	-265.15	-328.59	1.20	-0.91	-0.78
	6,589.00	90.54	130.330	5,313.89	138.66	-198.00	-240.60	0.14	0.00	0.14
	6,675.00	90.72	130.320	5,312.95	83.01	-132.44	-154.61	0.21	0.21	-0.01
	6,764.00	90.61	130.280	5,311.91	25.45	-64.57	-65.61	0.13	-0.12	-0.04
	6,851.00	90.46	128.940	5,311.10	-30.01	2.45	21.37	1.55	-0.17	-1.54
	6,938.00	91.95	129.770	5,309.27	-85.16	69.71	108.33	1.96	1.71	0.95
	7,026.00	91.87	129.260	5,306.34	-141.13	137.56	196.27	0.59	-0.09	-0.58
	7,113.00	92.08	129.150	5,303.34	-196.09	204.93	283.19	0.27	0.24	-0.13
	7,201.00	91.73	129.840	5,300.42	-252.02	272.80	371.13	0.88	-0.40	0.78
	7,289.00	91.50	129.060	5,297.94	-307.92	340.72	459.07	0.92	-0.26	-0.89





Company: Enduring Resources LLC

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Site: North Alamito Unit (102 & 106) Well: North Alamito Unit 102 H

Wellbore: Original Hole MWD surveys Design:

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Survey Calculation Method:

Database:

Well North Alamito Unit 102 H

RKB=6962+23.5 @ 6985.50ft (Ensign 140)

RKB=6962+23.5 @ 6985.50ft (Ensign 140)

Minimum Curvature

DT_May1924_v17

у									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,376.00	92.01	128.680	5,295.27	-362.49	408.43	546.00	0.73	0.59	-0.44
7,464.00	91.31	129.680	5,292.72	-418.06	476.61	633.93	1.39	-0.80	1.14
7,551.00	91.01	129.150	5,290.96	-473.29	543.81	720.90	0.70	-0.34	-0.61
7,640.00	91.13	128.740	5,289.30	-529.22	613.02	809.85	0.48	0.13	-0.46
7,727.00	90.11	129.710	5,288.36	-584.23	680.41	896.82	1.62	-1.17	1.11
7,815.00	90.41	131.240	5,287.96	-641.35	747.35	984.81	1.77	0.34	1.74
7,902.00	90.72	130.930	5,287.10	-698.52	812.92	1,071.80	0.50	0.36	-0.36
7,990.00	89.58	131.110	5,286.87	-756.28	879.31	1,159.80	1.31	-1.30	0.20
8,077.00	87.96	131.010	5,288.74	-813.41	944.90	1,246.77	1.87	-1.86	-0.11
8,165.00	88.24	130.480	5,291.65	-870.81	1,011.53	1,334.72	0.68	0.32	-0.60
8,254.00	88.39	129.800	5,294.27	-928.16	1,079.54	1,423.68	0.78	0.17	-0.76
8,342.00	88.30	129.540	5,296.81	-984.31	1,147.25	1,511.64	0.31	-0.10	-0.30
8,430.00	88.63	129.030	5,299.17	-1,040.01	1,215.33	1,599.58	0.69	0.38	-0.58
8,518.00	89.04	130.200	5,300.96	-1,096.11	1,283.11	1,687.55	1.41	0.47	1.33
8,606.00	88.66	129.540	5,302.73	-1,152.51	1,350.63	1,775.53	0.87	-0.43	-0.75
8,694.00	89.12	130.600	5,304.43	-1,209.15	1,417.96	1,863.51	1.31	0.52	1.20
8,781.00	90.35	131.460	5,304.83	-1,266.26	1,483.59	1,950.50	1.73	1.41	0.99
8,868.00	90.46	130.910	5,304.22	-1,323.55	1,549.06	2,037.49	0.64	0.13	-0.63
8,956.00	90.46	130.130	5,303.51	-1,380.72	1,615.96	2,125.49	0.89	0.00	-0.89
9,043.00	91.01	131.270	5,302.40	-1,437.44	1,681.91	2,212.48	1.45	0.63	1.31
9,130.00	90.94	130.730	5,300.92	-1,494.51	1,747.56	2,299.46	0.63	-0.08	-0.62
9,218.00	90.86	129.660	5,299.53	-1,551.30	1,814.77	2,387.45	1.22	-0.09	-1.22
9,305.00	90.82	130.830	5,298.26	-1,607.50	1,881.17	2,474.44	1.35	-0.05	1.34
9,392.00	90.68	130.230	5,297.12	-1,664.03	1,947.29	2,561.43	0.71	-0.16	-0.69
9,480.00	90.41	130.870	5,296.28	-1,721.24	2,014.15	2,649.42	0.79	-0.31	0.73
9,568.00	90.05	130.350	5,295.93	-1,778.52	2,080.95	2,737.42	0.72	-0.41	-0.59
9,656.00	89.82	130.820	5,296.03	-1,835.77	2,147.78	2,825.42	0.59	-0.26	0.53
9,742.00	90.45	132.040	5,295.83	-1,892.67	2,212.26	2,911.41	1.60	0.73	1.42
9,830.00	90.58	131.550	5,295.03	-1,951.32	2,277.87	2,999.39	0.58	0.15	-0.56
9,918.00	90.64	131.300	5,294.10	-2,009.54	2,343.85	3,087.37	0.29	0.07	-0.28
10,004.00	91.15	130.290	5,292.75	-2,065.72	2,408.94	3,173.36	1.32	0.59	-1.17
10,092.00	90.88	130.910	5,291.20	-2,122.98	2,475.75	3,261.34	0.77	-0.31	0.70
10,180.00	90.64	129.820	5,290.03	-2,179.97	2,542.79	3,349.33	1.27	-0.27	-1.24
10,268.00	90.78	131.100	5,288.94	-2,237.07	2,609.74	3,437.32	1.46	0.16	1.45
10,356.00	90.11	131.650	5,288.25	-2,295.23	2,675.77	3,525.31	0.99	-0.76	0.63
10,443.00	90.15	130.960	5,288.06	-2,352.66	2,741.13	3,612.30	0.79	0.05	-0.79
10,531.00	89.95	130.100	5,287.98	-2,409.84	2,808.01	3,700.30	1.00	-0.23	-0.98
10,619.00	90.24	130.950	5,287.83	-2,467.02	2,874.90	3,788.30	1.02	0.33	0.97
10,706.00	90.25	130.880	5,287.46	-2,524.00	2,940.65	3,875.30	0.08	0.01	-0.08
10,793.00	90.70	130.550	5,286.74	-2,580.75	3,006.59	3,962.30	0.64	0.52	-0.38
10,882.00	90.35	131.470	5,285.93	-2,639.15	3,073.74	4,051.29	1.11	-0.39	1.03
10,970.00	90.46	130.840	5,285.30	-2,697.06	3,140.00	4,139.28	0.73	0.13	-0.72
11,057.00	90.26	129.620	5,284.76	-2,753.24	3,206.42	4,226.27	1.42	-0.23	-1.40





Company: Enduring Resources LLC

Project: Sandoval County, New Mexico NAD83 NM C

Site: North Alamito Unit (102 & 106)
Well: North Alamito Unit 102 H

Wellbore: Original Hole
Design: MWD surveys

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:
Database:

Well North Alamito Unit 102 H

RKB=6962+23.5 @ 6985.50ft (Ensign 140) RKB=6962+23.5 @ 6985.50ft (Ensign 140)

Grid

Minimum Curvature
DT_May1924_v17

Survey	1									
	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	11,144.00	90.60	130.240	5,284.10	-2,809.08	3,273.13	4,313.27	0.81	0.39	0.71
	11,232.00	90.43	130.840	5,283.31	-2,866.28	3,340.00	4,401.26	0.71	-0.19	0.68
	11,320.00	90.35	131.610	5,282.71	-2,924.27	3,406.19	4,489.25	0.88	-0.09	0.88
	11,407.00	90.37	131.000	5,282.17	-2,981.70	3,471.54	4,576.24	0.70	0.02	-0.70
	11,496.00	90.45	131.830	5,281.53	-3,040.57	3,538.28	4,665.23	0.94	0.09	0.93
	11,583.00	90.50	131.150	5,280.81	-3,098.20	3,603.45	4,752.22	0.78	0.06	-0.78
	11,671.00	90.29	132.720	5,280.20	-3,157.01	3,668.91	4,840.18	1.80	-0.24	1.78
	11,759.00	90.21	131.890	5,279.82	-3,216.24	3,733.99	4,928.14	0.95	-0.09	-0.94
	11,846.00	90.46	130.720	5,279.31	-3,273.66	3,799.34	5,015.13	1.38	0.29	-1.34
	11,934.00	90.54	131.430	5,278.54	-3,331.48	3,865.68	5,103.12	0.81	0.09	0.81
	12,022.00	90.81	131.650	5,277.50	-3,389.83	3,931.54	5,191.10	0.40	0.31	0.25
	12,109.00	89.92	130.140	5,276.95	-3,446.79	3,997.30	5,278.10	2.01	-1.02	-1.74
	12,197.00	90.62	130.550	5,276.54	-3,503.75	4,064.37	5,366.09	0.92	0.80	0.47
	12,285.00	90.41	133.490	5,275.74	-3,562.65	4,129.74	5,454.05	3.35	-0.24	3.34
	12,372.00	89.99	132.880	5,275.44	-3,622.19	4,193.17	5,540.96	0.85	-0.48	-0.70
	12,460.00	89.78	131.770	5,275.62	-3,681.44	4,258.23	5,628.91	1.28	-0.24	-1.26
	12,548.00	89.39	130.510	5,276.26	-3,739.33	4,324.50	5,716.91	1.50	-0.44	-1.43
	12,636.00	90.41	131.030	5,276.41	-3,796.80	4,391.15	5,804.90	1.30	1.16	0.59
	12,722.00	90.10	129.890	5,276.03	-3,852.61	4,456.58	5,890.90	1.37	-0.36	-1.33
	12,810.00	89.94	129.840	5,276.00	-3,909.01	4,524.12	5,978.89	0.19	-0.18	-0.06
	12,897.00	89.95	129.760	5,276.08	-3,964.70	4,590.96	6,065.89	0.09	0.01	-0.09
	12,985.00	90.00	130.690	5,276.12	-4,021.53	4,658.15	6,153.89	1.06	0.06	1.06
	13,059.00	90.29	128.690	5,275.93	-4,068.79	4,715.09	6,227.87	2.73	0.39	-2.70
	13,147.00	89.76	131.700	5,275.89	-4,125.57	4,782.30	6,315.86	3.47	-0.60	3.42
	13,235.00	88.77	130.180	5,277.02	-4,183.23	4,848.77	6,403.85	2.06	-1.13	-1.73
	13,322.00	89.99	132.380	5,277.96	-4,240.62	4,914.14	6,490.83	2.89	1.40	2.53
	13,410.00	89.82	132.350	5,278.11	-4,240.02 -4,299.92	4,979.16	6,578.78	0.20	-0.19	-0.03
	13,497.00	90.78	131.830	5,277.65	-4,299.92 -4,358.23	5,043.72	6,665.75	1.25	1.10	-0.60
	13,585.00	90.76	130.940	5,276.77	-4,336.23 -4,416.41	5,109.74	6,753.73	1.11	-0.47	-1.01
	13,673.00	88.64	128.600	5,277.53	-4,472.69	5,109.74	6,841.71	3.31	-0.47	-2.66
	13,761.00	90.00	129.740	5,278.57	-4,528.27	5,245.59	6,929.68	2.02	1.55	1.30
		90.00 89.36				,				
	13,848.00		129.220	5,279.06	-4,583.58	5,312.74	7,016.66	0.95	-0.74	-0.60
	13,936.00	90.24	129.910	5,279.37	-4,639.64	5,380.57	7,104.65	1.27	1.00	0.78
	14,024.00	89.90	129.800	5,279.26	-4,696.03	5,448.13	7,192.64	0.41	-0.39	-0.13
	14,112.00	90.56	130.950	5,278.91	-4,753.03	5,515.17	7,280.64	1.51	0.75	1.31
	14,200.00	90.28	130.360	5,278.26	-4,810.36	5,581.93	7,368.63	0.74	-0.32	-0.67
	14,286.00	89.90	130.200	5,278.13	-4,865.96	5,647.53	7,454.63	0.48	-0.44	-0.19
	14,374.00	89.35	130.120	5,278.70	-4,922.72	5,714.79	7,542.63	0.63	-0.63	-0.09
	14,461.00	91.29	131.580	5,278.22	-4,979.62	5,780.59	7,629.62	2.79	2.23	1.68
	14,549.00	90.44	131.260	5,276.89	-5,037.83	5,846.57	7,717.60	1.03	-0.97	-0.36
	14,636.00	90.11	131.380	5,276.47	-5,095.27	5,911.91	7,804.59	0.40	-0.38	0.14
	14,724.00	89.19	129.430	5,277.01	-5,152.31	5,978.92	7,892.58	2.45	-1.05	-2.22
	14,811.00	90.93	130.210	5,276.92	-5,208.02	6,045.73	7,979.57	2.19	2.00	0.90
	14,900.00	89.99	129.940	5,276.20	-5,265.31	6,113.83	8,068.56	1.10	-1.06	-0.30





Company: Enduring Resources LLC

Project: Sandoval County, New Mexico NAD83 NM C

Site: North Alamito Unit (102 & 106)
Well: North Alamito Unit 102 H

Wellbore: Original Hole
Design: MWD surveys

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method: Database:

Well North Alamito Unit 102 H

RKB=6962+23.5 @ 6985.50ft (Ensign 140) RKB=6962+23.5 @ 6985.50ft (Ensign 140)

Grid

Minimum Curvature DT_May1924_v17

ey										
	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	14,987.00	89.15	129.270	5,276.85	-5,320.77	6,180.86	8,155.55	1.24	-0.97	-0.77
	Survey @ 14	987.00 MD 5276	.85 TVD							
	15,017.70	89.15	129.270	5,277.31	-5,340.20	6,204.62	8,186.24	0.00	0.00	0.00
	LTP @ 15017	.70 MD 5277.31	TVD							
	15,067.00	89.15	129.270	5,278.04	-5,371.40	6,242.79	8,235.52	0.00	0.00	0.00
	Survey proj.	to 15067 MD 52	78.04 TVD 893.6	FNL 48.6 FEL						

Design Annotat	tions				
Measured		Vertical	Local Coo	rdinates	
	Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
	485.00	484.99	0.01	2.37	MWD surveys
	5,751.00	5,279.04	691.95	-822.52	330 ppd @ 5751.00 MD 5279.04 TVD
	5,751.00	5,279.04	691.95	-822.52	FTP @ 5751.00 MD 5279.04 TVD
	5,925.10	5,311.22	576.76	-696.42	9 5/8" Casing shoe @ 5925.10 MD 5311.22 TVD
	14,987.00	5,276.85	-5,320.77	6,180.86	Survey @ 14987.00 MD 5276.85 TVD
	15,017.70	5,277.31	-5,340.20	6,204.62	LTP @ 15017.70 MD 5277.31 TVD
	15,067.00	5,278.04	-5,371.40	6,242.79	Survey proj. to 15067 MD 5278.04 TVD 893.6 FNL 48.6 FEL





Company: **Enduring Resources LLC**

Project: Sandoval County, New Mexico NAD83 NM C

North Alamito Unit (102 & 106) Site: Well: North Alamito Unit 102 H

Original Hole Wellbore: MWD surveys Design:

Local Co-ordinate Reference:

Well North Alamito Unit 102 H

RKB=6962+23.5 @ 6985.50ft (Ensign 140) **TVD Reference:** RKB=6962+23.5 @ 6985.50ft (Ensign 140) MD Reference:

North Reference:

Minimum Curvature **Survey Calculation Method:** Database: DT_May1924_v17

Sandoval County, New Mexico NAD83 NM C **Project**

US State Plane 1983 Map System: North American Datum 1983 Geo Datum: Map Zone: New Mexico Central Zone

System Datum: Mean Sea Level

Site North Alamito Unit (102 & 106)

Northing: 1,901,167.83 usft Site Position: Latitude: 36.21727000 From: Lat/Long Easting: 1,239,107.83 usft Longitude: -107.61047300 Slot Radius: **Position Uncertainty:** 0.00 ft 13-3/16 " **Grid Convergence:** -0.80°

Well North Alamito Unit 102 H, Surf loc: 917 FNL 1154 FE: Section 19-T23N-R07W **Well Position** +N/-S 0.00 ft Northing: 1,901,167.83 usft Latitude: 36.21727000 +E/-W 0.00 ft Easting: 1,239,107.83 usft Longitude: -107.61047300 0.00 ft ft Ground Level: 6,962.00 ft **Position Uncertainty** Wellhead Elevation:

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/20/2024	8.43	62.69	49,018.90322384

MWD surveys Design **Audit Notes:** ACTUAL Version: 1.0 Phase: Tie On Depth: 0.00 +N/-S **Vertical Section:** Depth From (TVD) +E/-W Direction (ft) (ft) (ft) (°) 0.00 0.00 0.00 130.545

Survey Program	Date 6/19/2024			
From (ft)	To (ft) Survey (Wellbore)	Tool Name	Description	
485.00	5,839.00 MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,977.00	14,987.00 MWD (Original Hole)	MWD	OWSG MWD - Standard	
15,067.00	15,067.00 Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	1,901,167.83	1,239,107.83	36.21727000	-107.61047300
485.00	0.56	89.820	484.99	0.01	2.37	1,901,167.84	1,239,110.20	36.21727011	-107.61046497
MWD su	rveys								
574.00	0.73	82.750	573.99	0.08	3.37	1,901,167.92	1,239,111.20	36.21727035	-107.61046159
664.00	0.73	79.370	663.98	0.26	4.50	1,901,168.09	1,239,112.33	36.21727088	-107.61045777
753.00	0.68	91.720	752.97	0.35	5.58	1,901,168.18	1,239,113.42	36.21727117	-107.61045409
843.00	1.00	125.010	842.96	-0.12	6.76	1,901,167.72	1,239,114.60	36.21726993	-107.61045008
932.00	0.50	64.760	931.96	-0.40	7.75	1,901,167.44	1,239,115.58	36.21726920	-107.61044672
1,021.00	0.91	2.450	1,020.95	0.47	8.13	1,901,168.31	1,239,115.96	36.21727161	-107.61044547
1,115.00	3.94	323.250	1,114.86	3.81	6.23	1,901,171.64	1,239,114.06	36.21728069	-107.61045207



TVD Reference:

MD Reference:

North Reference:



Company: Enduring Resources LLC

Project: Sandoval County, New Mexico NAD83 NM C

Site: North Alamito Unit (102 & 106)
Well: North Alamito Unit 102 H

Wellbore: Original Hole
Design: MWD surveys

Local Co-ordinate Reference:

Well North Alamito Unit 102 H

RKB=6962+23.5 @ 6985.50ft (Ensign 140)

RKB=6962+23.5 @ 6985.50ft (Ensign 140)

Grid

Survey Calculation Method: Minimum Curvature

Database: DT_May1924_v17

Survey									
Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,208.00	7.05	322.730	1,207.42	10.91	0.86	1,901,178.74	1,239,108.69	36.21730000	-107.61047061
1,302.00	10.61	317.970	1,300.29	21.93	-8.43	1,901,189.77	1,239,099.40	36.21732991	-107.61050262
1,394.00	12.79	319.440	1,390.38	35.96	-20.72	1,901,203.80	1,239,087.11	36.21736797	-107.61054495
1,487.00	16.15	314.050	1,480.42	52.78	-36.72	1,901,220.62	1,239,071.12	36.21741354	-107.61059996
1,579.00	18.40	309.500	1,568.27	70.92	-57.12	1,901,238.75	1,239,050.71	36.21746256	-107.61066998
1,674.00	20.46	310.260	1,657.85	91.19	-81.36	1,901,259.02	1,239,026.47	36.21751729	-107.61075310
1,764.00	24.10	306.730	1,741.12	112.35	-108.11	1,901,280.18	1,238,999.73	36.21757438	-107.61084474
1,856.00	24.86	304.600	1,824.85	134.56	-139.08	1,901,302.40	1,238,968.76	36.21763420	-107.61095077
1,948.00	24.06	309.770	1,908.60	157.54	-169.42	1,901,325.38	1,238,938.42	36.21769614	-107.61105469
2,037.00	22.77	306.500	1,990.28	179.40	-197.21	1,901,347.23	1,238,910.63	36.21775509	-107.61114992
2,127.00	23.24	306.290	2,073.12	200.27	-225.52	1,901,368.10	1,238,882.31	36.21781131	-107.61124687
2,216.00	24.38	308.060	2,154.54	221.98	-254.14	1,901,389.82	1,238,853.70	36.21786985	-107.61134490
2,306.00	23.94	307.210	2,236.66	244.48	-283.31	1,901,412.31	1,238,824.53	36.21793050	-107.61144483
2,395.00	24.63	307.710	2,317.78	266.74	-312.36	1,901,434.58	1,238,795.48	36.21799053	-107.61154436
2,484.00	23.40	305.950	2,399.08	288.46	-341.34	1,901,456.30	1,238,766.49	36.21804906	-107.61164361
2,574.00	24.21 25.10	307.940	2,481.42	310.30 333.17	-370.36 -399.61	1,901,478.14	1,238,737.47 1,238,708.23	36.21810792	-107.61174301
2,663.00 2,752.00	24.21	308.120 307.510	2,562.31 2,643.20	355.94	-428.93	1,901,501.01 1,901,523.77	1,238,678.90	36.21816961 36.21823100	-107.61184322 -107.61194370
2,842.00	25.42	310.290	2,724.89	379.67	-428.93 -458.31	1,901,523.77	1,238,649.53	36.21829503	-107.61204438
2,931.00	23.42	309.600	2,805.94	403.28	-486.48	1,901,571.11	1,238,621.35	36.21835878	-107.61214100
3,020.00	23.53	311.410	2,887.59	426.28	-513.41	1,901,594.11	1,238,594.43	36.21842091	-107.61223335
3,110.00	22.65	310.180	2,970.38	449.34	-540.12	1,901,617.18	1,238,567.71	36.21848323	-107.61232499
3,199.00	23.74	310.790	3,052.18	472.10	-566.78	1,901,639.94	1,238,541.06	36.21854471	-107.61241643
3,289.00	26.12	312.460	3,133.79	497.32	-595.12	1,901,665.15	1,238,512.72	36.21861286	-107.61251367
3,379.00	24.91	310.970	3,215.01	523.12	-624.04	1,901,690.95	1,238,483.79	36.21868261	-107.61261294
3,468.00	26.43	311.840	3,295.23	548.62	-652.95	1,901,716.46	1,238,454.88	36.21875153	-107.61271214
3,557.00	25.48	310.980	3,375.25	574.39	-682.16	1,901,742.22	1,238,425.67	36.21882117	-107.61281237
3,647.00	25.47	310.780	3,456.50	599.73	-711.43	1,901,767.56	1,238,396.40	36.21888962	-107.61291278
3,736.00	27.88	311.190	3,536.02	625.93	-741.59	1,901,793.77	1,238,366.25	36.21896043	-107.61301623
3,826.00	25.73	312.070	3,616.35	652.88	-771.93	1,901,820.72	1,238,335.91	36.21903327	-107.61312035
3,915.00	24.46	310.260	3,696.94	677.74	-800.33	1,901,845.57	1,238,307.50	36.21910043	-107.61321780
4,005.00	27.35	312.750	3,777.89	703.82	-829.74	1,901,871.65	1,238,278.10	36.21917093	-107.61331871
4,094.00	26.43	311.590	3,857.27	730.85	-859.57	1,901,898.68	1,238,248.27	36.21924400	-107.61342110
4,184.00	26.66	311.520	3,937.78	757.53	-889.66	1,901,925.36	1,238,218.17	36.21931611	-107.61352438
4,273.00	24.81	309.120	4,017.95	782.55	-919.10	1,901,950.38	1,238,188.73	36.21938369	-107.61362535
4,363.00	24.50	308.090	4,099.75	805.97	-948.44	1,901,973.80	1,238,159.39	36.21944689	-107.61372590
4,452.00	22.74	310.200	4,181.29	828.46	-976.11	1,901,996.29	1,238,131.73	36.21950758	-107.61382074
4,541.00	21.17	312.310	4,263.84	850.38	-1,001.13	1,902,018.22	1,238,106.70	36.21956682	-107.61390660
4,631.00	23.11	307.890	4,347.20	872.17	-1,027.09	1,902,040.01	1,238,080.74	36.21962566	-107.61399563
4,720.00	23.06	306.310	4,429.08	893.22	-1,054.92	1,902,061.05	1,238,052.91	36.21968240	-107.61409096
4,765.00	21.16	306.010 307.540	4,470.77 4,513.10	903.22 912.33	-1,068.60 -1,080.81	1,902,071.05	1,238,039.24	36.21970932 36.21973387	-107.61413778 -107.61417962
4,810.00 4,855.00	18.44 15.56	307.540 307.010	4,513.10	912.33	-1,080.81 -1,091.28	1,902,080.16 1,902,088.13	1,238,027.02 1,238,016.56	36.21973387 36.21975536	-107.61417962
4,899.00	14.54	306.860	4,598.62	920.30	-1,100.41	1,902,086.13	1,238,007.43	36.21973386	-107.61424675
4,944.00	10.76	315.320	4,642.52	933.54	-1,100.41	1,902,101.38	1,237,999.95	36.21979109	-107.61427239
4,989.00	7.79	330.140	4,686.94	939.18	-1,112.36	1,902,107.01	1,237,995.48	36.21980639	-107.61428782
5,033.00	3.27	352.300	4,730.73	943.01	-1,114.01	1,902,110.84	1,237,993.82	36.21981685	-107.61429361
5,078.00	3.01	106.240	4,775.69	943.95	-1,113.05	1,902,111.79	1,237,994.79	36.21981947	-107.61429039
5,123.00	8.93	122.120	4,820.43	941.76	-1,108.95	1,902,109.60	1,237,998.88	36.21981362	-107.61427640
5,168.00	13.87	123.800	4,864.53	936.90	-1,101.51	1,902,104.74	1,238,006.33	36.21980056	-107.61425094
5,212.00	18.12	126.590	4,906.81	929.89	-1,091.63	1,902,097.72	1,238,016.21	36.21978167	-107.61421711
5,257.00	22.20	127.150	4,949.05	920.58	-1,079.23	1,902,088.41	1,238,028.61	36.21975659	-107.61417464
5,301.00	26.12	128.720	4,989.19	909.49	-1,065.04	1,902,077.33	1,238,042.80	36.21972670	-107.61412603
5,346.00	29.56	130.100	5,028.97	896.14	-1,048.82	1,902,063.98	1,238,059.02	36.21969066	-107.61407040
	33.40	131.800	5,067.34	880.73	-1,031.08	1,902,048.57	1,238,076.75	36.21964902	-107.61400957





Company: Enduring Resources LLC

Project: Sandoval County, New Mexico NAD83 NM C

Site: North Alamito Unit (102 & 106) Well: North Alamito Unit 102 H

Wellbore: Original Hole Design: MWD surveys Local Co-ordinate Reference:

Well North Alamito Unit 102 H TVD Reference: RKB=6962+23.5 @ 6985.50ft (Ensign 140)

MD Reference: RKB=6962+23.5 @ 6985.50ft (Ensign 140)

North Reference:

Survey Calculation Method: Minimum Curvature Database: DT_May1924_v17

urvey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,435.00	37.34	131.990	5,103.21	863.73	-1,012.13	1,902,031.56	1,238,095.71	36.21960305	-107.61394452
5,480.00	42.21	131.070	5,137.79	844.65	-990.58	1,902,012.49	1,238,117.26	36.21955150	-107.61387056
5,525.00	46.66	130.220	5,169.91	824.15	-966.67	1,901,991.98	1,238,141.16	36.21949610	-107.61378856
5,570.00	52.87	130.900	5,198.97	801.81	-940.59	1,901,969.65	1,238,167.24	36.21943577	-107.61369911
5,614.00	58.64	131.450	5,223.72	777.87	-913.23	1,901,945.71	1,238,194.60	36.21937108	-107.61360523
5,659.00	64.01	133.660	5,245.30	751.17	-884.18	1,901,919.00	1,238,223.66	36.21929886	-107.61350547
5,704.00	68.37	133.960	5,263.47	722.67	-854.47	1,901,890.51	1,238,253.36	36.21922175	-107.61340345
5,749.00	72.72	133.810	5,278.45	693.27	-823.90	1,901,861.10	1,238,283.94	36.21914218	-107.61329842
5,751.00	72.89	133.788	5,279.04	691.95	-822.52	1,901,859.78	1,238,285.31	36.21913860	-107.61329368
			D - FTP @ 5751			.,,	.,,		
5,794.00	76.46	133.320	5,290.41	663.38	-792.47	1,901,831.21	1,238,315.37	36.21906130	-107.61319047
5,839.00	80.13	131.650	5,299.53	633.62	-759.98	1,901,801.46	1,238,347.86	36.21898084	-107.61307893
5,925.10	84.26	131.989	5,311.22	576.76	-696.42	1,901,744.59	1,238,411.41	36.21882712	-107.61286081
	sing shoe @			070.70	-000.42	1,501,744.00	1,200,411.41	00.21002712	-107.0120000
5,977.00	86.75	132.190	5,315.29	542.08	-658.03	1,901,709.91	1,238,449.81	36.21873337	-107.61272903
6,065.00	89.42	132.190	5,318.23	482.84	-593.03	1,901,709.91	1,238,514.81	36.21857319	-107.6125059
6,152.00	90.48	131.900	5,318.31	424.40	-528.58	1,901,592.24	1,238,579.25	36.21841518	-107.61228469
6,240.00	89.74	130.960	5,318.14	366.17	-326.36 -462.60	1,901,534.01	1,238,645.23	36.21825781	-107.61205830
6,327.00	90.78	131.020	5,317.74	300.17	-396.93	1,901,476.94	1,238,710.90	36.21810362	-107.61183302
							, ,		
6,414.00 6,501.00	91.33	130.890	5,316.14	252.09	-331.24 -265.15	1,901,419.93	1,238,776.59	36.21794957 36.21779681	-107.61160765
,	90.54	130.210	5,314.72	195.54		1,901,363.38	1,238,842.69		-107.6113809
6,589.00	90.54	130.330	5,313.89	138.66	-198.00	1,901,306.50	1,238,909.83	36.21764319	-107.61115068
6,675.00	90.72	130.320	5,312.95	83.01	-132.44	1,901,250.85	1,238,975.39	36.21749288	-107.61092583
6,764.00	90.61	130.280	5,311.91	25.45	-64.57	1,901,193.29	1,239,043.26	36.21733742	-107.61069305
6,851.00	90.46	128.940	5,311.10	-30.01	2.45	1,901,137.83	1,239,110.29	36.21718768	-107.61046327
6,938.00	91.95	129.770	5,309.27	-85.16	69.71	1,901,082.67	1,239,177.54	36.21703879	-107.61023271
7,026.00	91.87	129.260	5,306.34	-141.13	137.56	1,901,026.71	1,239,245.39	36.21688772	-107.61000009
7,113.00	92.08	129.150	5,303.34	-196.09	204.93	1,900,971.75	1,239,312.76	36.21673938	-107.60976913
7,201.00	91.73	129.840	5,300.42	-252.02	272.80	1,900,915.81	1,239,380.63	36.21658836	-107.60953644
7,289.00	91.50	129.060	5,297.94	-307.92	340.72	1,900,859.92	1,239,448.56	36.21643748	-107.60930358
7,376.00	92.01	128.680	5,295.27	-362.49	408.43	1,900,805.35	1,239,516.26	36.21629021	-107.60907153
7,464.00	91.31	129.680	5,292.72	-418.06	476.61	1,900,749.78	1,239,584.45	36.21614022	-107.60883780
7,551.00	91.01	129.150	5,290.96	-473.29	543.81	1,900,694.55	1,239,651.64	36.21599113	-107.60860743
7,640.00	91.13	128.740	5,289.30	-529.22	613.02	1,900,638.62	1,239,720.85	36.21584018	-107.6083702
7,727.00	90.11	129.710	5,288.36	-584.23	680.41	1,900,583.61	1,239,788.24	36.21569169	-107.60813920
7,815.00	90.41	131.240	5,287.96	-641.35	747.35	1,900,526.49	1,239,855.18	36.21553740	-107.60790963
7,902.00	90.72	130.930	5,287.10	-698.52	812.92	1,900,469.31	1,239,920.75	36.21538290	-107.60768469
7,990.00	89.58	131.110	5,286.87	-756.28	879.31	1,900,411.56	1,239,987.14	36.21522684	-107.60745693
8,077.00	87.96	131.010	5,288.74	-813.41	944.90	1,900,354.43	1,240,052.73	36.21507246	-107.6072319
8,165.00	88.24	130.480	5,291.65	-870.81	1,011.53	1,900,297.02	1,240,119.36	36.21491737	-107.60700340
8,254.00	88.39	129.800	5,294.27	-928.16	1,079.54	1,900,239.67	1,240,187.37	36.21476248	-107.6067701
8,342.00	88.30	129.540	5,296.81	-984.31	1,147.25	1,900,183.52	1,240,255.08	36.21461086	-107.60653806
8,430.00	88.63	129.030	5,299.17	-1,040.01	1,215.33	1,900,127.82	1,240,323.16	36.21446051	-107.60630466
8,518.00	89.04	130.200	5,300.96	-1,096.11	1,283.11	1,900,071.72	1,240,390.94	36.21430904	-107.60607230
8,606.00	88.66	129.540	5,302.73	-1,152.51	1,350.63	1,900,015.32	1,240,458.47	36.21415674	-107.60584078
8,694.00	89.12	130.600	5,304.43	-1,209.15	1,417.96	1,899,958.69	1,240,525.79	36.21400378	-107.6056099
8,781.00	90.35	131.460	5,304.83	-1,266.26	1,483.59	1,899,901.58	1,240,591.42	36.21384946	-107.60538479
8,868.00	90.46	130.910	5,304.22	-1,323.55	1,549.06	1,899,844.29	1,240,656.89	36.21369464	-107.60516018
8,956.00	90.46	130.130	5,303.51	-1,380.72	1,615.96	1,899,787.12	1,240,723.79	36.21354019	-107.60493077
9,043.00	91.01	131.270	5,302.40	-1,437.44	1,681.91	1,899,730.39	1,240,789.74	36.21338693	-107.6047045
9,130.00	90.94	130.730	5,300.92	-1,494.51	1,747.56	1,899,673.32	1,240,855.39	36.21323272	-107.6044793
9,218.00	90.86	129.660	5,299.53	-1,551.30	1,814.77	1,899,616.54	1,240,922.60	36.21307934	-107.60424891
9,305.00	90.82	130.830	5,298.26	-1,607.50	1,881.17	1,899,560.34	1,240,989.00	36.21292754	-107.60402122
9,392.00	90.68	130.230	5,297.12	-1,664.03	1,947.29	1,899,503.81	1,241,055.12	36.21277482	-107.60379447
9,480.00	90.41	130.870	5,296.28	-1,721.24	2,014.15	1,899,446.60	1,241,121.98	36.21262027	-107.60356516





Company: Enduring Resources LLC

Project: Sandoval County, New Mexico NAD83 NM C

Site: North Alamito Unit (102 & 106) Well: North Alamito Unit 102 H

Wellbore: Original Hole Design: MWD surveys Local Co-ordinate Reference:

Well North Alamito Unit 102 H TVD Reference: RKB=6962+23.5 @ 6985.50ft (Ensign 140)

MD Reference: RKB=6962+23.5 @ 6985.50ft (Ensign 140)

North Reference:

Survey Calculation Method: Minimum Curvature Database: DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,568.00	90.05	130.350	5,295.93	-1,778.52	2,080.95	1,899,389.32	1,241,188.78	36.21246552	-107.60333605
9,656.00	89.82	130.820	5,296.03	-1,835.77	2,147.78	1,899,332.07	1,241,255.61	36.21231086	-107.60310685
9,742.00	90.45	132.040	5,295.83	-1,892.67	2,212.26	1,899,275.17	1,241,320.09	36.21215704	-107.60288564
9,830.00	90.58	131.550	5,295.03	-1,951.32	2,277.87	1,899,216.52	1,241,385.69	36.21199849	-107.60266053
9,918.00	90.64	131.300	5,294.10	-2,009.54	2,343.85	1,899,158.30	1,241,451.67	36.21184112	-107.60243417
10,004.00	91.15	130.290	5,292.75	-2,065.72	2,408.94	1,899,102.12	1,241,516.77	36.21168932	-107.60221090
10,092.00	90.88	130.910	5,291.20	-2,122.98	2,475.75	1,899,044.86	1,241,583.58	36.21153463	-107.60198180
10,180.00	90.64	129.820	5,290.03	-2,179.97	2,542.79	1,898,987.87	1,241,650.62	36.21138069	-107.60175190
10,268.00	90.78	131.100	5,288.94	-2,237.07	2,609.74	1,898,930.77	1,241,717.57	36.21122643	-107.60152231
10,356.00	90.11	131.650	5,288.25	-2,295.23	2,675.77	1,898,872.61	1,241,783.60	36.21106922	-107.60129578
10,443.00	90.15	130.960	5,288.06	-2,352.66	2,741.13	1,898,815.18	1,241,848.96	36.21091401	-107.60107158
10,531.00	89.95	130.100	5,287.98	-2,409.84	2,808.01	1,898,758.00	1,241,915.84	36.21075951	-107.60084221
10,619.00	90.24	130.950	5,287.83	-2,467.02	2,874.90	1,898,700.82	1,241,982.73	36.21060504	-107.60061283
10,706.00	90.25	130.880	5,287.46	-2,524.00	2,940.65	1,898,643.84	1,242,048.47	36.21045106	-107.60038734
10,793.00	90.70	130.550	5,286.74	-2,580.75	3,006.59	1,898,587.09	1,242,114.41	36.21029774	-107.60016119
10,882.00	90.35	131.470	5,285.93	-2,639.15	3,073.74	1,898,528.69	1,242,181.57	36.21013992	-107.59993085
10,970.00	90.46	130.840	5,285.30	-2,697.06	3,140.00	1,898,470.78	1,242,247.83	36.20998341	-107.59970358
11,057.00	90.26	129.620	5,284.76	-2,753.24	3,206.42	1,898,414.60	1,242,314.24	36.20983164	-107.59947585
11,144.00	90.60	130.240	5,284.10	-2,809.08	3,273.13	1,898,358.76	1,242,380.96	36.20968083	-107.59924713
11,232.00	90.43	130.840	5,283.31	-2,866.28	3,340.00	1,898,301.56	1,242,447.83	36.20952631	-107.59901781
11,320.00	90.35	131.610	5,282.71	-2,924.27	3,406.19	1,898,243.57	1,242,514.01	36.20936957	-107.59879078
11,407.00	90.37	131.000	5,282.17	-2,981.70	3,471.54	1,898,186.14	1,242,579.37	36.20921435	-107.59856660
11,496.00	90.45	131.830	5,281.53	-3,040.57	3,538.28	1,898,127.27	1,242,646.11	36.20905522	-107.59833764
11,583.00	90.50	131.150	5,280.81	-3,098.20	3,603.45	1,898,069.64	1,242,711.27	36.20889942	-107.59811409
11,671.00	90.29	132.720	5,280.20	-3,157.01	3,668.91	1,898,010.83	1,242,776.73	36.20874042	-107.59788948
11,759.00	90.21	131.890	5,279.82	-3,216.24	3,733.99	1,897,951.60	1,242,841.82	36.20858023	-107.59766614
11,846.00	90.46	130.720	5,279.31	-3,273.66	3,799.34	1,897,894.18	1,242,907.17	36.20842502	-107.59744196
11,934.00	90.54	131.430	5,278.54	-3,331.48	3,865.68	1,897,836.36	1,242,973.50	36.20826876	-107.59721444
12,022.00	90.81	131.650	5,277.50	-3,389.83	3,931.54	1,897,778.01	1,243,039.37	36.20811102	-107.59698849
12,109.00	89.92	130.140	5,276.95	-3,446.79	3,997.30	1,897,721.06	1,243,105.13	36.20795711	-107.59676296
12,197.00	90.62	130.550	5,276.54	-3,503.75	4,064.37	1,897,664.09	1,243,172.20	36.20780321	-107.59653299
12,285.00	90.41	133.490	5,275.74	-3,562.65	4,129.74	1,897,605.19	1,243,237.56	36.20764395	-107.59630871
12,372.00	89.99	132.880	5,275.44	-3,622.19	4,193.17	1,897,545.65	1,243,301.00	36.20748285	-107.59609094
12,460.00	89.78	131.770	5,275.62	-3,681.44	4,258.23	1,897,486.40	1,243,366.06	36.20732260	-107.59586767
12,548.00	89.39	130.510	5,276.26	-3,739.33	4,324.50	1,897,428.51	1,243,432.33	36.20716613	-107.59564037
12,636.00	90.41	131.030	5,276.41	-3,796.80	4,391.15	1,897,371.04	1,243,498.97	36.20701085	-107.59541183
12,722.00	90.10	129.890	5,276.03	-3,852.61	4,456.58	1,897,315.24	1,243,564.40	36.20686008	-107.59518747
12,810.00	89.94	129.840	5,276.00	-3,909.01	4,524.12	1,897,258.83	1,243,631.95	36.20670774	-107.59495592
12,897.00	89.95	129.760	5,276.08	-3,964.70	4,590.96	1,897,203.14	1,243,698.79	36.20655734	-107.59472679
12,985.00	90.00	130.690	5,276.12	-4,021.53	4,658.15	1,897,146.31	1,243,765.98	36.20640383	-107.59449644
13,059.00	90.29	128.690	5,275.93	-4,068.79	4,715.09	1,897,099.06	1,243,822.92	36.20627621	-107.59430126
13,147.00	89.76	131.700	5,275.89	-4,125.57	4,782.30	1,897,042.27	1,243,890.13	36.20612281	-107.59407083
13,235.00	88.77	130.180	5,277.02	-4,183.23	4,848.77	1,896,984.61	1,243,956.59	36.20596699	-107.59384288
13,322.00	89.99	132.380	5,277.96	-4,240.62	4,914.14	1,896,927.22	1,244,021.97	36.20581186	-107.59361866
13,410.00	89.82	132.350	5,278.11	-4,299.92	4,979.16	1,896,867.92	1,244,086.99	36.20565148	-107.59339554
13,497.00	90.78	131.830	5,277.65	-4,358.23	5,043.72	1,896,809.61	1,244,151.55	36.20549378	-107.59317403
13,585.00	90.37	130.940	5,276.77	-4,416.41	5,109.74	1,896,751.44	1,244,217.57	36.20533653	-107.59294757
13,673.00	88.64	128.600	5,277.53	-4,472.69	5,177.37	1,896,695.15	1,244,285.19	36.20518451	-107.59271575
13,761.00	90.00	129.740	5,278.57	-4,528.27	5,245.59	1,896,639.57	1,244,353.41	36.20503447	-107.59248198
13,848.00	89.36	129.220	5,279.06	-4,583.58	5,312.74	1,896,584.26	1,244,420.56	36.20488511	-107.59225183
13,936.00	90.24	129.910	5,279.37	-4,639.64	5,380.57	1,896,528.21	1,244,488.40	36.20473375	-107.59201932
14,024.00	89.90	129.800	5,279.26	-4,696.03	5,448.13	1,896,471.81	1,244,555.95	36.20458144	-107.59178776
14,112.00	90.56	130.950	5,278.91	-4,753.03	5,515.17	1,896,414.81	1,244,622.99	36.20442743	-107.59155791
14,200.00	90.28	130.360	5,278.26	-4,810.36	5,581.93	1,896,357.48	1,244,689.75	36.20427252	-107.59132900
14,286.00	89.90	130.200	5,278.13	-4,865.96	5,647.53	1,896,301.88	1,244,755.36	36.20412231	-107.59110407





Company: Enduring Resources LLC

Project: Sandoval County, New Mexico NAD83 NM C

Site: North Alamito Unit (102 & 106) Well: North Alamito Unit 102 H

Original Hole Wellbore: Design: MWD surveys Local Co-ordinate Reference:

Well North Alamito Unit 102 H RKB=6962+23.5 @ 6985.50ft (Ensign 140) TVD Reference: MD Reference: RKB=6962+23.5 @ 6985.50ft (Ensign 140)

North Reference:

Survey Calculation Method: Minimum Curvature Database: DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,374.00	89.35	130.120	5,278.70	-4,922.72	5,714.79	1,896,245.13	1,244,822.61	36.20396900	-107.59087351
14,461.00	91.29	131.580	5,278.22	-4,979.62	5,780.59	1,896,188.23	1,244,888.41	36.20381523	-107.59064786
14,549.00	90.44	131.260	5,276.89	-5,037.83	5,846.57	1,896,130.02	1,244,954.39	36.20365786	-107.59042155
14,636.00	90.11	131.380	5,276.47	-5,095.27	5,911.91	1,896,072.58	1,245,019.73	36.20350258	-107.59019744
14,724.00	89.19	129.430	5,277.01	-5,152.31	5,978.92	1,896,015.54	1,245,086.74	36.20334848	-107.58996772
14,811.00	90.93	130.210	5,276.92	-5,208.02	6,045.73	1,895,959.83	1,245,153.56	36.20319802	-107.58973869
14,900.00	89.99	129.940	5,276.20	-5,265.31	6,113.83	1,895,902.53	1,245,221.66	36.20304325	-107.58950524
14,987.00	89.15	129.270	5,276.85	-5,320.77	6,180.86	1,895,847.08	1,245,288.68	36.20289347	-107.58927551
Survey @	0 14987.00 MI	5276.85 TVI)						
15,017.70	89.15	129.270	5,277.31	-5,340.20	6,204.62	1,895,827.65	1,245,312.45	36.20284101	-107.58919407
LTP @ 15	5017.70 MD 52	277.31 TVD							
15,067.00	89.15	129.270	5,278.04	-5,371.40	6,242.79	1,895,796.44	1,245,350.61	36.20275677	-107.58906330
Survey p	roj. to 15067	MD 5278.04 T	VD 893.6 FNL	48.6 FEL					

Design Annotations	3				
D	asured epth (ft)	Vertical Depth (ft)	Local Cool +N/-S (ft)	rdinates +E/-W (ft)	Comment
	485.00	484.99	0.01	2.37	MWD surveys
Ę	5,751.00	5,279.04	691.95	-822.52	330 ppd @ 5751.00 MD 5279.04 TVD
Ę	5,751.00	5,279.04	691.95	-822.52	FTP @ 5751.00 MD 5279.04 TVD
Ę	5,925.10	5,311.22	576.76	-696.42	9 5/8" Casing shoe @ 5925.10 MD 5311.22 TVD
14	1,987.00	5,276.85	-5,320.77	6,180.86	Survey @ 14987.00 MD 5276.85 TVD
15	5,017.70	5,277.31	-5,340.20	6,204.62	LTP @ 15017.70 MD 5277.31 TVD
15	5,067.00	5,278.04	-5,371.40	6,242.79	Survey proj. to 15067 MD 5278.04 TVD 893.6 FNL 48.6 FEL

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

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

Submit one copy to appropriate District Office

> ☐ AMENDED REPORT X AS DRILLED

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	¹ API Number ² Pool Code		³ Pool Name					
30-043-21	510	98174	NORTH ALAMITO UNIT MANCO	S OIL POOL				
⁴Property Code		⁵ Property Name						
325267		NORTH ALAMITO UNIT						
OGRID No.		⁸ Operator Name						
371838		DJR OPERATING, LLC						

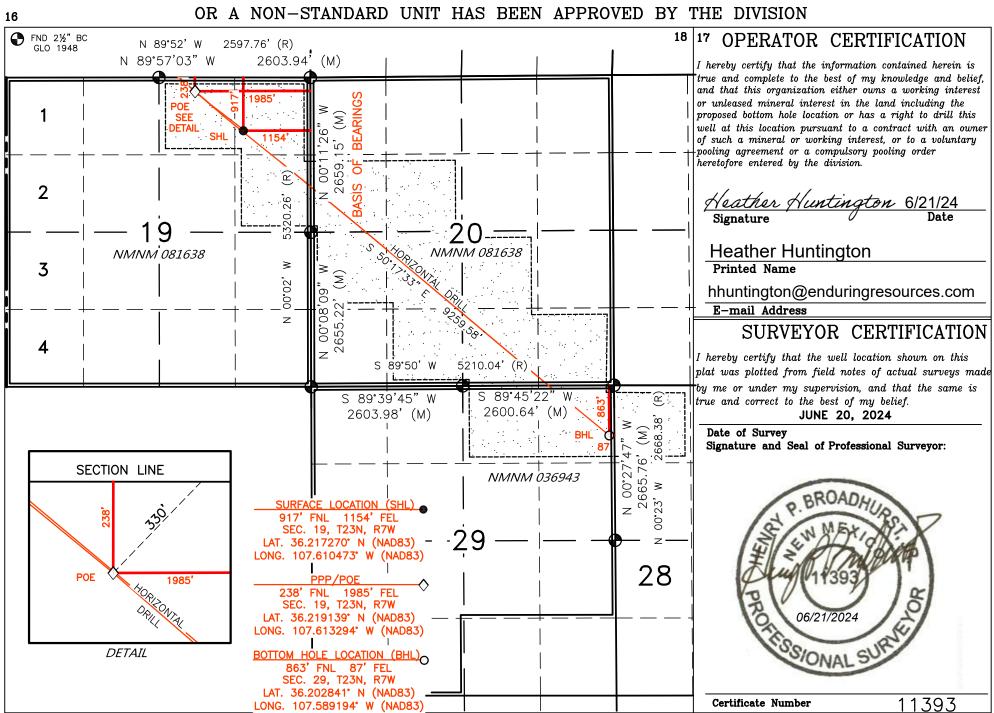
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Α	19	23N	7W		917'	NORTH	1154'	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
Α	29	23N	7W		863'	NORTH	87'	EAST	SANDOVAL
12 Dedicated Acres		ATED SPACING		13 Joint or I	nfill 14 Consolidati	on Code	¹⁵ Order No.	•	•
SEC 19: NW/NE, N SW/NW, SE/NW, N & SE/SE (320 AC.	W/SW, NE/Ś	W, SE/SW, NW	//SE, SW/SE				R-	14081 R-140	81A
SEC 28: NW/NW (4	•	,	12 (00 A0.),						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED



DISTRICT IV

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DISTRICT II
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DISTRICT III
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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

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☐ AMENDED REPORT

☐ AS DRILLED

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

DJR OPERATING, LLC
NORTH ALAMITO UNIT #102H

SURFACE HOLE LOCATION NMNM 081638
917' FNL, 1154' FEL
LOCATED IN THE NE/NE OF SECTION 19,
T23N, R7W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.217270°N LONGITUDE: 107.610473°W (NAD83)

PPP-1 (FIRST TAKE POINT) NMNM 081638
238' FNL, 1985' FWL
LOCATED IN THE NW/NE OF SECTION 19,
T23N, R7W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.219139°N LONGITUDE: 107.613294°W (NAD83)

PPP-2 NMNM 081638 1877' FNL, 1' FWL LOCATED IN THE SW/NW OF SECTION 20, T23N, R7W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO LATITUDE: 36.214620°N LONGITUDE: 107.606558°W (NAD83)

PPP-3 NMNM 036943

1' FNL, 1122' FEL

LOCATED IN THE NE/NE OF SECTION 29,

T23N, R7W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.205208°N LONGITUDE: 107.592717°W (NAD83)

PPP-4 (LAST TAKE POINT) NMNM 036943 863' FNL, 87' FEL LOCATED IN THE NE/NE OF SECTION 29, T23N, R7W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO LATITUDE: 36.202841°N LONGITUDE: 107.589194°W (NAD83)

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

CONDITIONS

Action 356907

CONDITIONS

Operator:	OGRID:
ENDURING RESOURCES, LLC	372286
6300 S Syracuse Way	Action Number:
Centennial, CO 80111	356907
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Needs NSL	7/1/2024