

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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.

5. Lease Serial No. NMNM81638

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator DJR OPERATING LLC

3a. Address 1700 LINCOLN STREET SUITE 2800, DENVER, 3b. Phone No. (include area code) (303) 595-7433

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 19/T23N/R7W/NMP

7. If Unit of CA/Agreement, Name and/or No. NORTH ALAMITO UNIT/NMNM135229A

8. Well Name and No. NORTH ALAMITO UNIT/102H

9. API Well No. 3004321510

10. Field and Pool or Exploratory Area BASIN MANCOS/NORTH ALAMITO UNIT MANCOS O

11. Country or Parish, State SANDOVAL/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 recomplete 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 perfonned 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 recompletion 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 detennined that the site is ready for final inspection.)

DJR respectfully requests to amend the FTP of the subject well reflecting the boundaries of the completed interval is in compliance with the 330 setback as defined by NMAC 19.15.16.15.C. (1) (4). Attached please find an amended C102 As-Drilled well plat and Directional Drilling Survey.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) HEATHER HUNTINGTON / Ph: (505) 636-9751

Title Permitting Technician

Signature (Electronic Submission)

Date 07/12/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by KENNETH G RENNICK / Ph: (505) 564-7742 / Approved

Title Petroleum Engineer

Date 07/12/2024

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)



Well: North Alamito Unit 102 H
Site: North Alamito Unit (102 & 106)
Project: Sandoval County, New Mexico NAD83 NM C
Design: MWD surveys
Rig: Ensign 140

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Central Zone
 System Datum: Mean Sea Level
 Depth Reference: RKB=6962+23.5 @ 6985.50ft (Ensign 140)

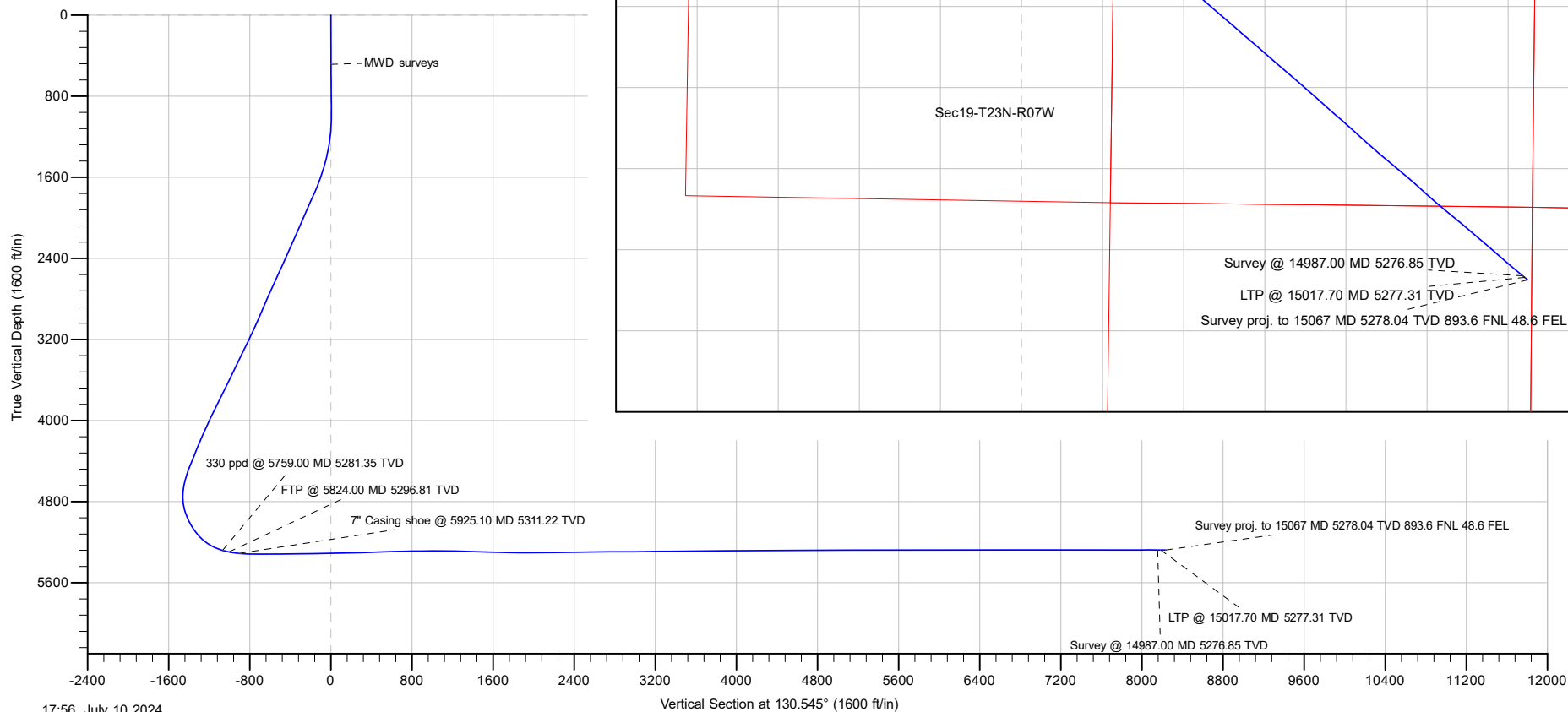
Surface location:
 Northing 1901167.83 Easting 1239107.84 Latitude 36.21727000 Longitude -107.61047300

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 9.232°



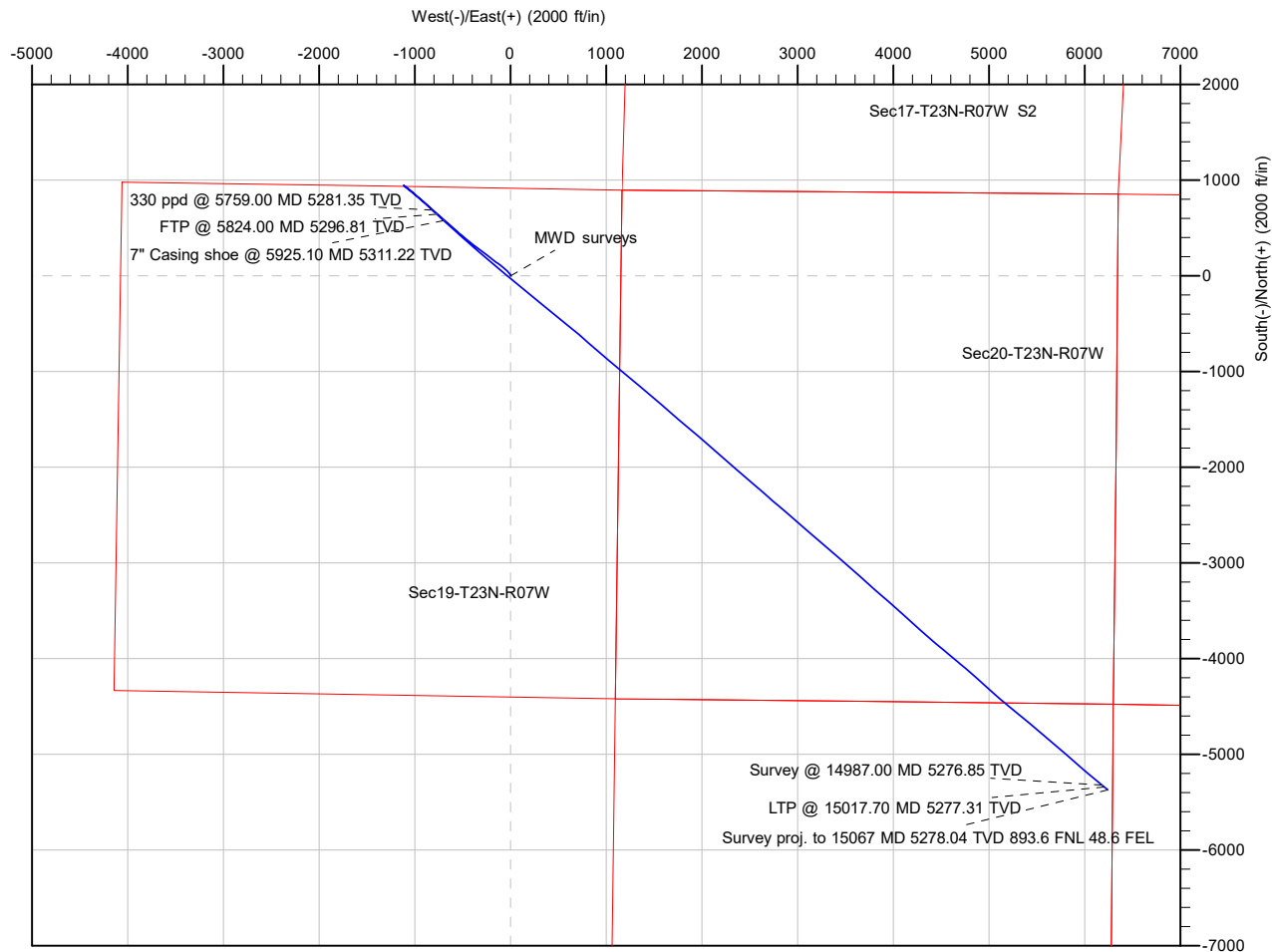
Azimuths to Grid North
 True North: 0.80°
 Magnetic North: 9.23°

Magnetic Field
 Strength: 49018.9nT
 Dip Angle: 62.69°
 Date: 5/20/2024
 Model: IGRF2020



ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
485.00	0.56	89.820	484.99	0.01	2.37	1.80	MWD surveys
5759.00	73.55	133.700	5281.35	686.65	-816.99	-1067.18	330 ppd @ 5759.00 MD 5281.35 TVD
5824.00	78.91	132.202	5296.81	643.48	-770.95	-1004.13	FTP @ 5824.00 MD 5296.81 TVD
5925.10	84.26	131.989	5311.22	576.76	-696.42	-904.13	7" Casing shoe @ 5925.10 MD 5311.22 TVD
14987.00	89.15	129.270	5276.85	-5320.77	6180.86	8155.55	Survey @ 14987.00 MD 5276.85 TVD
15017.70	89.15	129.270	5277.31	-5340.20	6204.62	8186.24	LTP @ 15017.70 MD 5277.31 TVD
15067.00	89.15	129.270	5278.04	-5371.40	6242.79	8235.52	Survey proj. to 15067 MD 5278.04 TVD 893.6 FNL 48.6 FEL





Survey Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Site:	North Alamito Unit (102 & 106)	MD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Project	Sandoval County, New Mexico NAD83 NM C		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	North Alamito Unit (102 & 106)				
Site Position:		Northing:	1,901,167.83 usft	Latitude:	36.21727000
From:	Lat/Long	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:	
Position Uncertainty			0.00 ft	Wellhead Elevation:		ft		Ground Level:		6,962.00 ft			
Grid Convergence:			-0.804 °										

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/20/2024	8.428	62.693	49,018.90322384

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

Survey Program	Date	7/10/2024			
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)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
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	5.58	4.02	0.18	-0.06	13.88	
843.00	1.00	125.010	842.96	-0.12	6.76	5.22	0.63	0.36	36.99	
932.00	0.50	64.760	931.96	-0.40	7.75	6.15	0.98	-0.56	-67.70	



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Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Survey									
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)
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	4,099.75	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



Survey Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
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Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Survey										
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	
5,759.00	73.55	133.700	5,281.35	686.65	-816.99	-1,067.18	8.38	8.31	-1.10	
330 ppd @ 5759.00 MD 5281.35 TVD										
5,794.00	76.46	133.320	5,290.41	663.38	-792.47	-1,033.42	8.38	8.31	-1.08	
5,824.00	78.91	132.202	5,296.81	643.48	-770.95	-1,004.13	8.93	8.15	-3.73	
FTP @ 5824.00 MD 5296.81 TVD										
5,839.00	80.13	131.650	5,299.53	633.62	-759.98	-989.39	8.93	8.16	-3.68	
5,925.10	84.26	131.989	5,311.22	576.76	-696.42	-904.13	4.81	4.80	0.39	
7" Casing shoe @ 5925.10 MD 5311.22 TVD										
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	



Survey Report

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Survey									
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)
7,201.00	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
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



Survey Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Site:	North Alamito Unit (102 & 106)	MD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Survey									
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)
11,057.00	90.26	129.620	5,284.76	-2,753.24	3,206.42	4,226.27	1.42	-0.23	-1.40
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	-4,299.92	4,979.16	6,578.78	0.20	-0.19	-0.03
13,497.00	90.78	131.830	5,277.65	-4,358.23	5,043.72	6,665.75	1.25	1.10	-0.60
13,585.00	90.37	130.940	5,276.77	-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	5,177.37	6,841.71	3.31	-1.97	-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
13,848.00	89.36	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



Survey Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Site:	North Alamito Unit (102 & 106)	MD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Survey									
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)
14,811.00	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
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 @ 14987.00 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 5278.04 TVD 893.6 FNL 48.6 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
485.00	484.99	0.01	2.37	MWD surveys
5,759.00	5,281.35	686.65	-816.99	330 ppd @ 5759.00 MD 5281.35 TVD
5,824.00	5,296.81	643.48	-770.95	FTP @ 5824.00 MD 5296.81 TVD
5,925.10	5,311.22	576.76	-696.42	7" 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



Survey Report - Geographic

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Site:	North Alamito Unit (102 & 106)	MD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Project	Sandoval County, New Mexico NAD83 NM C		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site		North Alamito Unit (102 & 106)			
Site Position:		Northing:	1,901,167.83 usft	Latitude:	36.21727000
From:	Lat/Long	Easting:	1,239,107.83 usft	Longitude:	-107.61047300
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.804 °

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
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,962.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/20/2024	8.428	62.693	49,018.90322384

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

Survey Program	Date	7/10/2024			
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 surveys										
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	



Survey Report - Geographic

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Site:	North Alamito Unit (102 & 106)	MD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

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	307.940	2,481.42	310.30	-370.36	1,901,478.14	1,238,737.47	36.21810792	-107.61174301
2,663.00	25.10	308.120	2,562.31	333.17	-399.61	1,901,501.01	1,238,708.23	36.21816961	-107.61184322
2,752.00	24.21	307.510	2,643.20	355.94	-428.93	1,901,523.77	1,238,678.90	36.21823100	-107.61194370
2,842.00	25.42	310.290	2,724.89	379.67	-458.31	1,901,547.50	1,238,649.53	36.21829503	-107.61204438
2,931.00	23.37	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	4,470.77	903.22	-1,068.60	1,902,071.05	1,238,039.24	36.21970932	-107.61413778
4,810.00	18.44	307.540	4,513.10	912.33	-1,080.81	1,902,080.16	1,238,027.02	36.21973387	-107.61417962
4,855.00	15.56	307.010	4,556.13	920.30	-1,091.28	1,902,088.13	1,238,016.56	36.21975536	-107.61421547
4,899.00	14.54	306.860	4,598.62	927.17	-1,100.41	1,902,095.00	1,238,007.43	36.21977386	-107.61424675
4,944.00	10.76	315.320	4,642.52	933.54	-1,107.88	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
5,391.00	33.40	131.800	5,067.34	880.73	-1,031.08	1,902,048.57	1,238,076.75	36.21964902	-107.61400957



Survey Report - Geographic

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Site:	North Alamito Unit (102 & 106)	MD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Survey									
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
5,759.00	73.55	133.700	5,281.35	686.65	-816.99	1,901,854.48	1,238,290.85	36.21912427	-107.61327468
330 ppd @ 5759.00 MD 5281.35 TVD									
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
5,824.00	78.91	132.202	5,296.81	643.48	-770.95	1,901,811.31	1,238,336.88	36.21900749	-107.61311659
FTP @ 5824.00 MD 5296.81 TVD									
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
7" Casing shoe @ 5925.10 MD 5311.22 TVD									
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	132.500	5,318.23	482.84	-593.03	1,901,650.68	1,238,514.81	36.21857319	-107.61250591
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	-462.60	1,901,534.01	1,238,645.23	36.21825781	-107.61205830
6,327.00	90.78	131.020	5,317.74	309.11	-396.93	1,901,476.94	1,238,710.90	36.21810362	-107.61183302
6,414.00	91.33	130.890	5,316.14	252.09	-331.24	1,901,419.93	1,238,776.59	36.21794957	-107.61160765
6,501.00	90.54	130.210	5,314.72	195.54	-265.15	1,901,363.38	1,238,842.69	36.21779681	-107.61138095
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	-107.60837021
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	-107.60723195
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	-107.60677019
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	-107.60560991
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	-107.60470457
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	-107.60447937
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



Survey Report - Geographic

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Site:	North Alamito Unit (102 & 106)	MD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,392.00	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
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



Survey Report - Geographic

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 102 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Site:	North Alamito Unit (102 & 106)	MD Reference:	RKB=6962+23.5 @ 6985.50ft (Ensign 140)
Well:	North Alamito Unit 102 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Jul0824_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,200.00	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
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 @ 14987.00 MD 5276.85 TVD									
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 @ 15017.70 MD 5277.31 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 proj. to 15067 MD 5278.04 TVD 893.6 FNL 48.6 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
485.00	484.99	0.01	2.37	MWD surveys
5,759.00	5,281.35	686.65	-816.99	330 ppd @ 5759.00 MD 5281.35 TVD
5,824.00	5,296.81	643.48	-770.95	FTP @ 5824.00 MD 5296.81 TVD
5,925.10	5,311.22	576.76	-696.42	7" 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

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

☒ AS DRILLED

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 363698

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 363698
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	None	7/12/2024