District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Addess	[2] OGRID Number
DJR Operating 200 Energy Court Farmington NM 87401	371838
	[3] Reason for Filing Code/ Effective Date RT

[4] API Number	[5] Pool Name	[6] Pool Code
30-043-21510	NORTH ALAMITO UNIT MANCOS OIL POOL	98174
[7] Property Code	**[8] Property Name**	**[9] Well Number**
325267	NORTH ALAMITO UNIT	102H

II. [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
A	19	23N	7W		917	NORTH	1154	EAST	SANDOVAL

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	23N	7W		863	NORTH	87	EAST	SANDOVAL

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	F	TBD			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
248440	WESTERN REFINING COMPANY, LLC	O
151618	ENTERPRISE FIELD SERVICES, LLC	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
1/30/23	7/12/24	15,067' MD 5,357' TVD	15,044' MD 5,357 TVD	~ 5,944'– 14,998' MD ~5,311'-5,276' TVD **AlphaSleeve 15,017'**	R-14081, R-14081A

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
12.25"	9.625", 36#, J-55	402'	125 sx
8.75"	7", 26#, J-55	5,925'	Lead: 600 sx Tail: 151 sx
6.125"	4.5", 11.6#, P-110	TOL: 5,773' BOL: 15,057'	750 sx

V. Well Test Data

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

[42] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Heather Huntington

Printed name: Heather Huntington

Title: Permitting Technician

E-mail Address:hhuntington@enduringresources.com

Date: 07/12/24 Phone:505-636-9751

OIL CONSERVATION DIVISION

Approved by: PATRICIA MARTINEZ

Title: PETROLEUM SPECIALIST

Approval Date: 7/17/2024

RT EXPIRES 10/12/2024

DJR Operating
Subsidiary of Enduring Resources, LLC

June 24, 2024

Re: North Alamito Unit 102H 30-043-21510

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

Sincerely,

Heather Huntington
Permitting Technician
Enduring Resources, LLC.
hhuntington@enduringresources.com

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT
☒ AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-043-21510	98174	NORTH ALAMITO UNIT MANCOS OIL POOL

[4] Property Code	[5] Property Name	[6] Well Number
325267	NORTH ALAMITO UNIT	102H

[7] OGRID No.	[8] Operator Name	[9] Elevation
371838	DJR OPERATING, LLC	6962'

[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
A	19	23N	7W		917'	NORTH	1154'	EAST	SANDOVAL

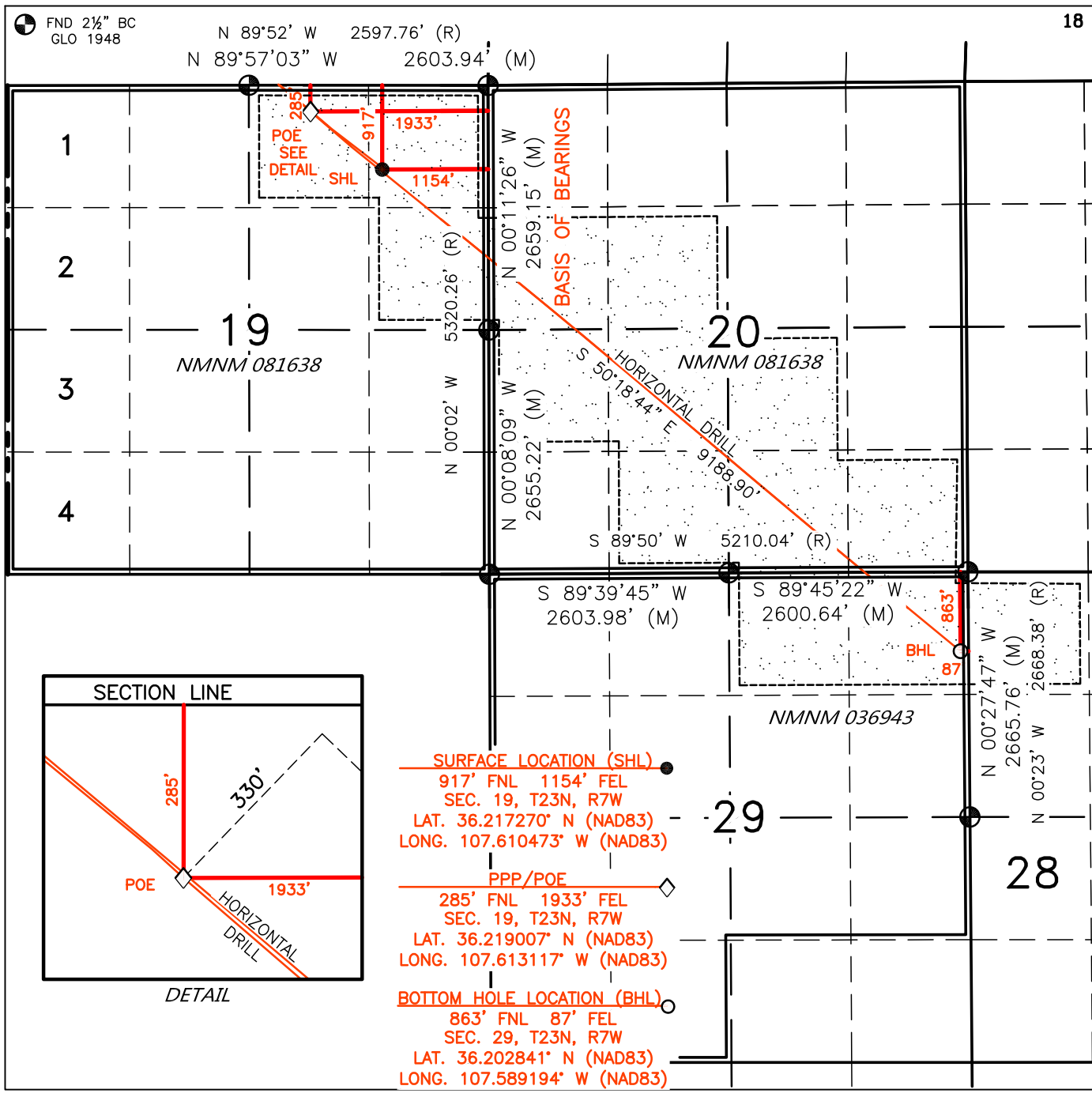
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	23N	7W		863'	NORTH	87'	EAST	SANDOVAL

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PENETRATED SPACING UNIT; SEC 19: NW/NE, NE/NE & SE/NE (120 AC.); SEC 20: SW/NW, SE/NW, NW/SW, NE/SW, SE/SW, NW/SE, SW/SE & SE/SE (320 AC.); SEC 29: NW/NE & NE/NE (80 AC.); SEC 28: NW/NW (40 AC.) = 560 ACRES			R-14081 R-14081A

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

16



18

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Heather Huntington 7/12/24
Signature **Date**

Heather Huntington
Printed Name

hhuntington@enduringresources.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JULY 11, 2024
Date of Survey
Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST, NEW MEXICO 11393 PROFESSIONAL SURVEYOR 07/12/2024

Certificate Number 11393

Released to Imaging: 10/23/2024 1:18:26 PM

Received by OCD: 7/12/2024 3:59:48 PM

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

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

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	Easting	Latitude	Longitude
1901167.83	1239107.84	36.21727000	-107.61047300

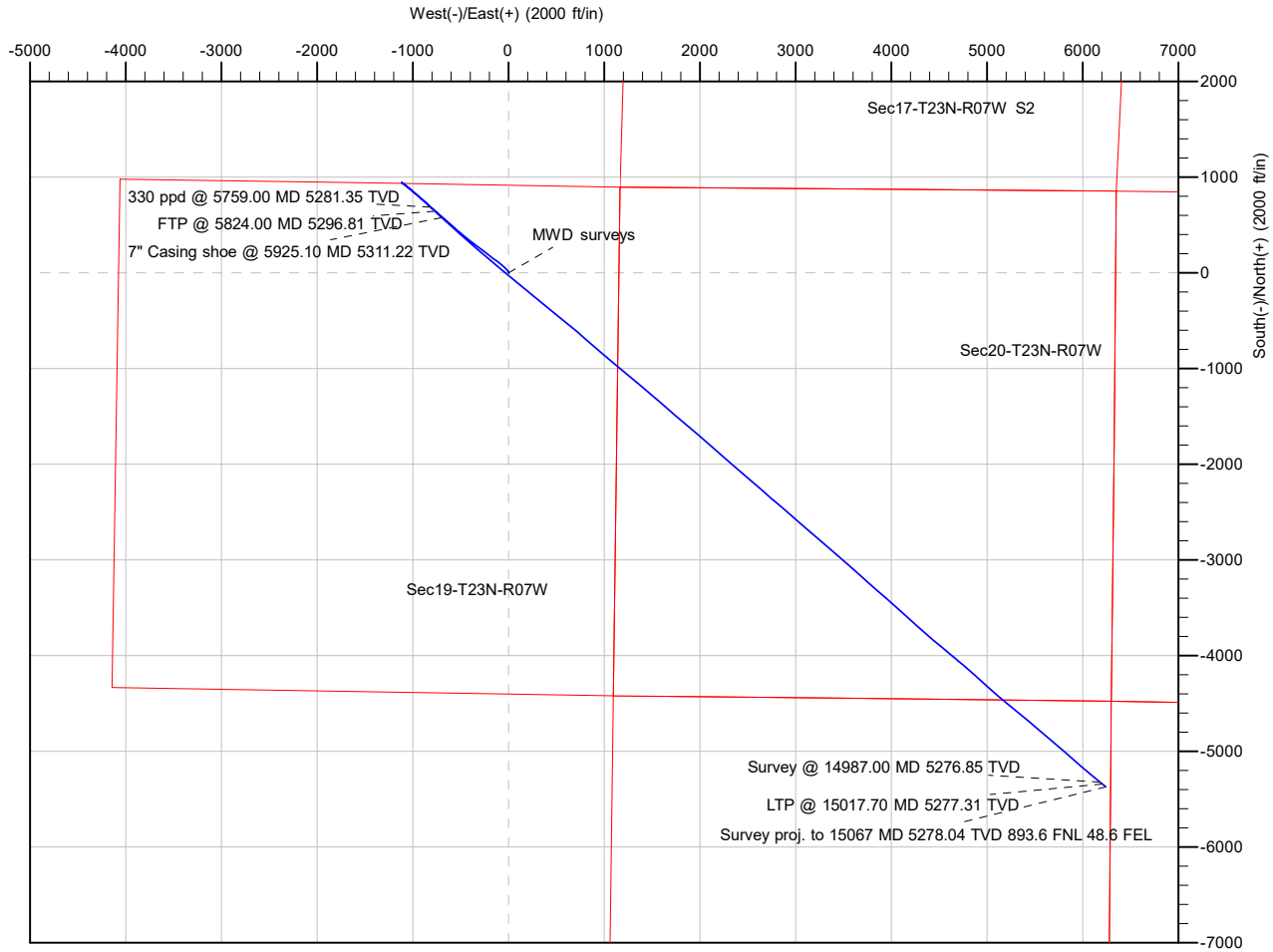
Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 9.232°

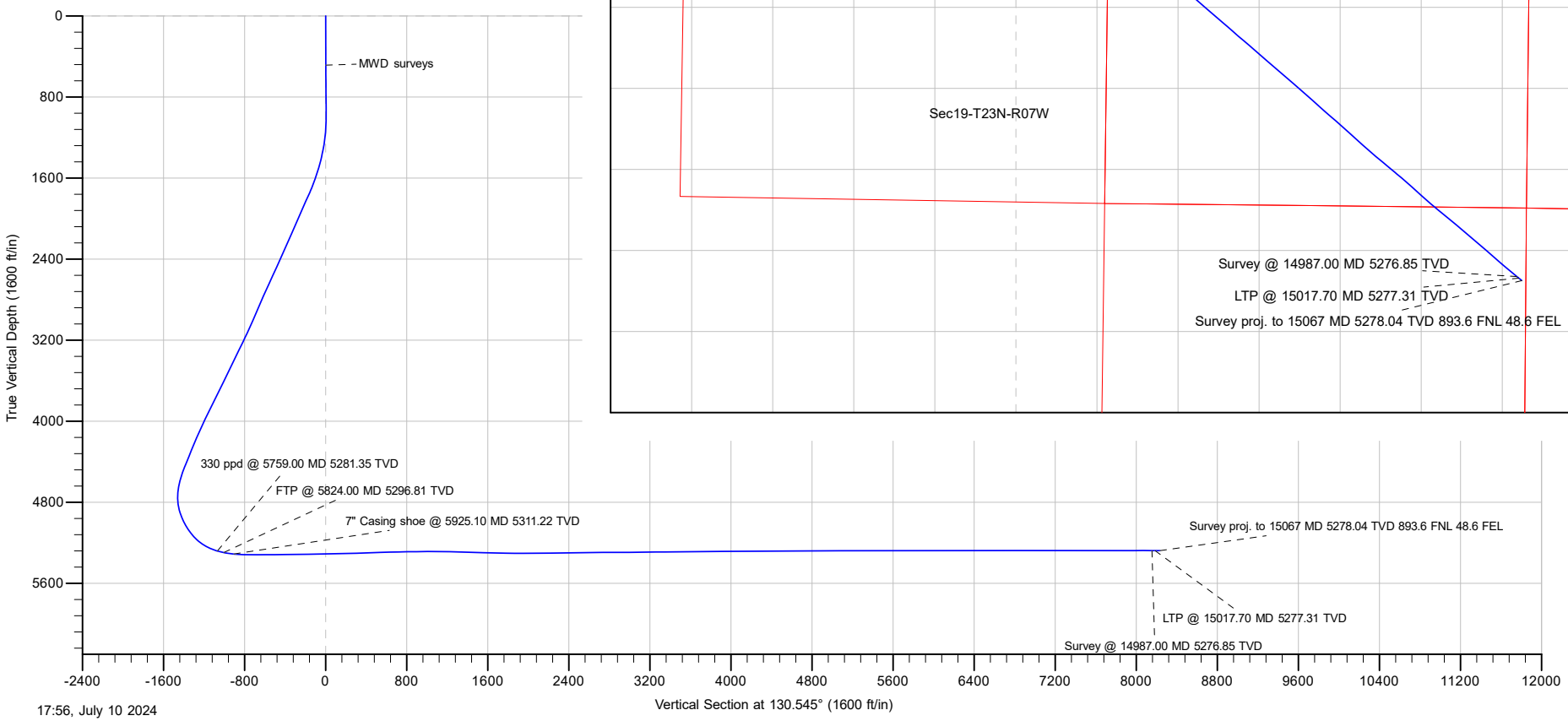
G T M

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

MARKSMAN DIRECTIONAL





17:56, July 10 2024

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:**	-107.61047300
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

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)
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)
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)
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

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)
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 +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
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 +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
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

WELL NAME: **NORTH ALAMITO UNIT 102H**

OBJECTIVE: **Drill, complete, and equip single lateral in the Mancos-Gallup formation**

API Number: *30-043-21510*

AFE Number: *DV03211*

ER Well Number: *Not yet assigned*

State: New Mexico

County: Sandoval

Surface Elev.:	6,962	ft ASL (GL)	6,986	ft ASL (KB)		
Surface Location:	19-23N-07W	Sec-Twn- Rng	917	ft FNL	1,154	ft FEL
BH Location:	29-23N-07W	Sec-Twn- Rng	863	ft FNL	87	ft FEL

QUICK REFERENCE		
Sur TD (MD)	408	ft
Int TD (MD)	5,935	ft
KOP (MD)	4,841	ft
KOP (TVD)	4,450	ft
Target (TVD)	5,289	ft
Curve BUR	10	°/100 ft
POE (MD)	5,752	ft
TD (MD)	15,067	ft
Lat Len (ft)	9,245	ft

Driving Directions: ***FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:***

South on US Hwy 550 for 39.0 miles to MM 112.7, Right (South) on CR #7900 / IR #7061 for 5.1 miles to Y (just passed 4-way), Left (East) leaving CR #7900 for 4.0 miles to lease road; Left (NorthEast) for 1.8 miles to new access; Right (North) for 1.5 miles to NAU A19-2307 pad entrance on left (from South to North): N Alamito 102H, 106H wells).

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	12.250	408	9.625	36	K-55	STC	0	402
Intermediate	8.750	5,935	7	26.0	K-55	LTC	0	5,925
Production	6.125	15,067	4.500	11.6	P-110	BTC	5,773	15,057

CEMENT PROPERTIES SUMMARY:

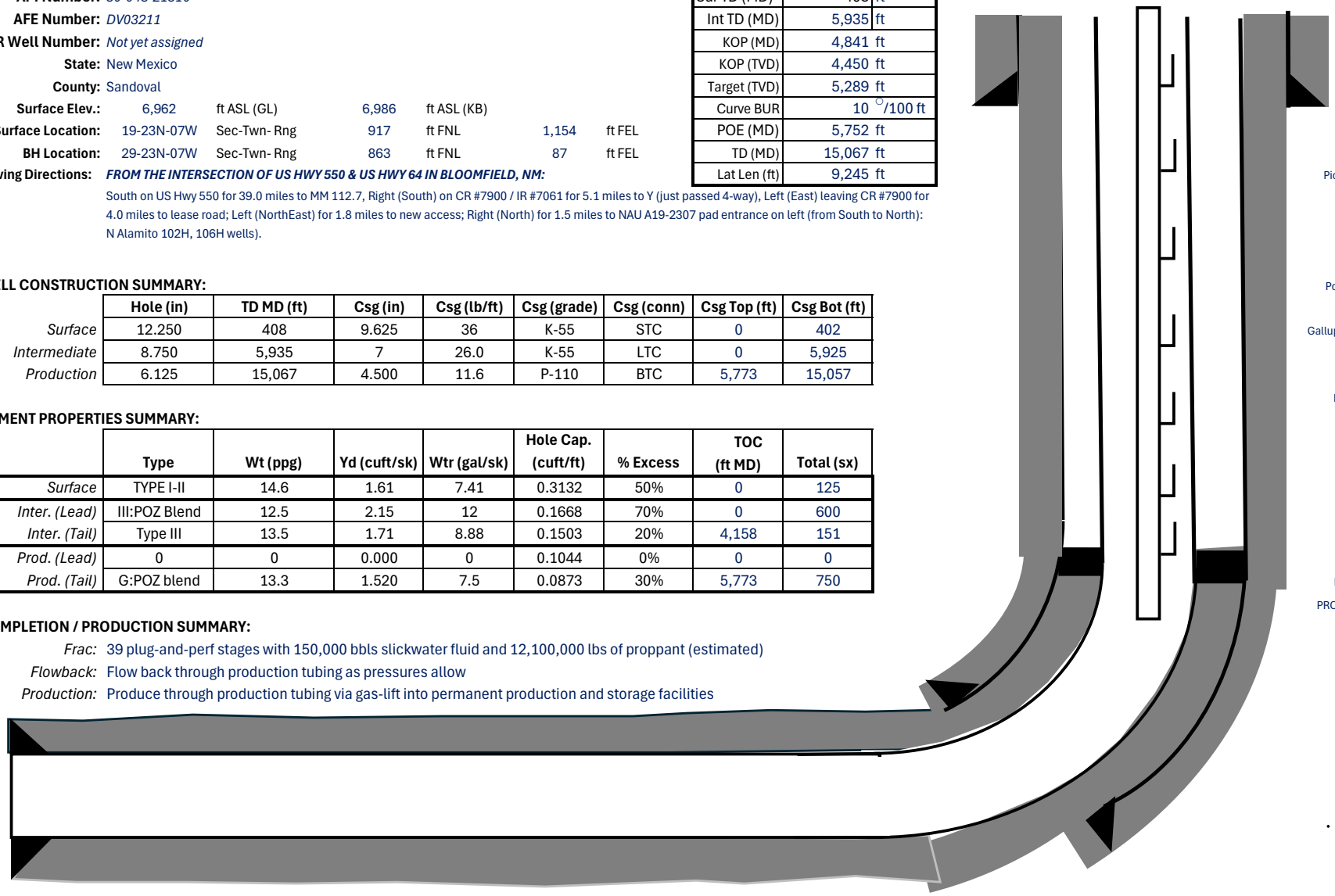
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE I-II	14.6	1.61	7.41	0.3132	50%	0	125
Inter. (Lead)	III:POZ Blend	12.5	2.15	12	0.1668	70%	0	600
Inter. (Tail)	Type III	13.5	1.71	8.88	0.1503	20%	4,158	151
Prod. (Lead)	0	0	0.000	0	0.1044	0%	0	0
Prod. (Tail)	G:POZ blend	13.3	1.520	7.5	0.0873	30%	5,773	750

COMPLETION / PRODUCTION SUMMARY:

Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow

Production: Produce through production tubing via gas-lift into permanent production and storage facilities



Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	1,071	1,071
Kirtland	1,186	1,186
Fruitland	1,356	1,358
Pictured Cliffs	1,691	1,707
Lewis	1,846	1,877
Chacra	2,097	2,152
Cliff House	3,184	3,346
Menefee	3,229	3,395
Point Lookout	4,061	4,309
Mancos	4,277	4,546
Gallup (MNCS_A)	4,612	4,909
MNCS_B	4,712	5,009
MNCS_C	4,799	5,097
MNCS_Cms	4,844	5,142
MNCS_D	4,970	5,275
MNCS_E	5,082	5,405
MNCS_F	5,132	5,469
MNCS_G	5,206	5,579
MNCS_H	5,268	5,697
MNCS_I	5,305	5,807
FTP TARGET	5,289	5,752
PROJECTED TD	5,283	14,997

This document will be submitted with the completion package after the well has been completed.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 363699
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

☑	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☑	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

CONDITIONS

Action 363699

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 363699
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 10/12/2024.	7/17/2024