

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 Address DJR Operating 200 Energy Court Farmington NM 87401		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30-043-21508	⁵ Pool Name NORTH ALAMITO UNIT MANCOS OIL POOL		⁶ Pool Code 98174
⁷ Property Code 325267	⁸ Property Name NORTH ALAMITO UNIT		⁹ Well Number 106H

II. ¹⁰ Surface Location

Ul or lot no. A	Section 19	Township 23N	Range 7W	Lot Idn	Feet from the 897	North/South Line NORTH	Feet from the 1158	East/West line EAST	County SANDOVAL
--------------------	---------------	-----------------	-------------	---------	----------------------	---------------------------	-----------------------	------------------------	--------------------

¹¹ Bottom Hole Location

UL or lot no. K	Section 28	Township 23N	Range 7W	Lot Idn	Feet from the 1670	North/South line SOUTH	Feet from the 1421	East/West line WEST	County SANDOVAL
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date TBD		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

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

IV. Well Completion Data

²¹ Spud Date 2/1/23	²² Ready Date 7/12/24	²³ TD 18,454' MD 5,266' TVD	²⁴ PBDT 18,431' MD 5,266' TVD	²⁵ Perforations ~6077' – 18,385' MD ~5298' -5,265' TVD AlphaSleeve 18404'	²⁶ DHC, MC R-14081, R-14081A
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25"		9.625", 36#, J-55		404'	109 sx
8.75"		7", 26#, J-55		6,062'	Lead: 628 sx Tail: 151 sx
6.125"		4.5", 11.6#, P-110		TOL: 5,906' BOL: 18,444'	1011 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: <i>Heather Huntington</i>			OIL CONSERVATION DIVISION		
			Approved by: <i>PATRICIA MARTINEZ</i>		
Printed name: Heather Huntington			Title: <i>PETROLEUM SPECIALIST</i>		
Title: Permitting Technician			Approval Date: <i>7/8/2024</i>		
E-mail Address:hhuntington@enduringresources.com			<i>RT EXPIRES 10/12/2024</i>		
Date: <i>7/8/24</i>		Phone:505-636-9751			



DJR Operating
Subsidiary of Enduring Resources, LLC

June 24, 2024

Re: North Alamito Unit 106H 30-043-21508

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

Sincerely,

A handwritten signature in blue ink that reads "Heather Huntington". The signature is fluid and cursive, with the first name "Heather" and last name "Huntington" clearly distinguishable.

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

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

☐ AMENDED REPORT
☒ AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-043-21508	² Pool Code 98174	³ Pool Name NORTH ALAMITO UNIT MANCOS OIL POOL
⁴ Property Code 325267	⁵ Property Name NORTH ALAMITO UNIT	⁶ Well Number 106H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 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		897'	NORTH	1158'	EAST	SANDOVAL

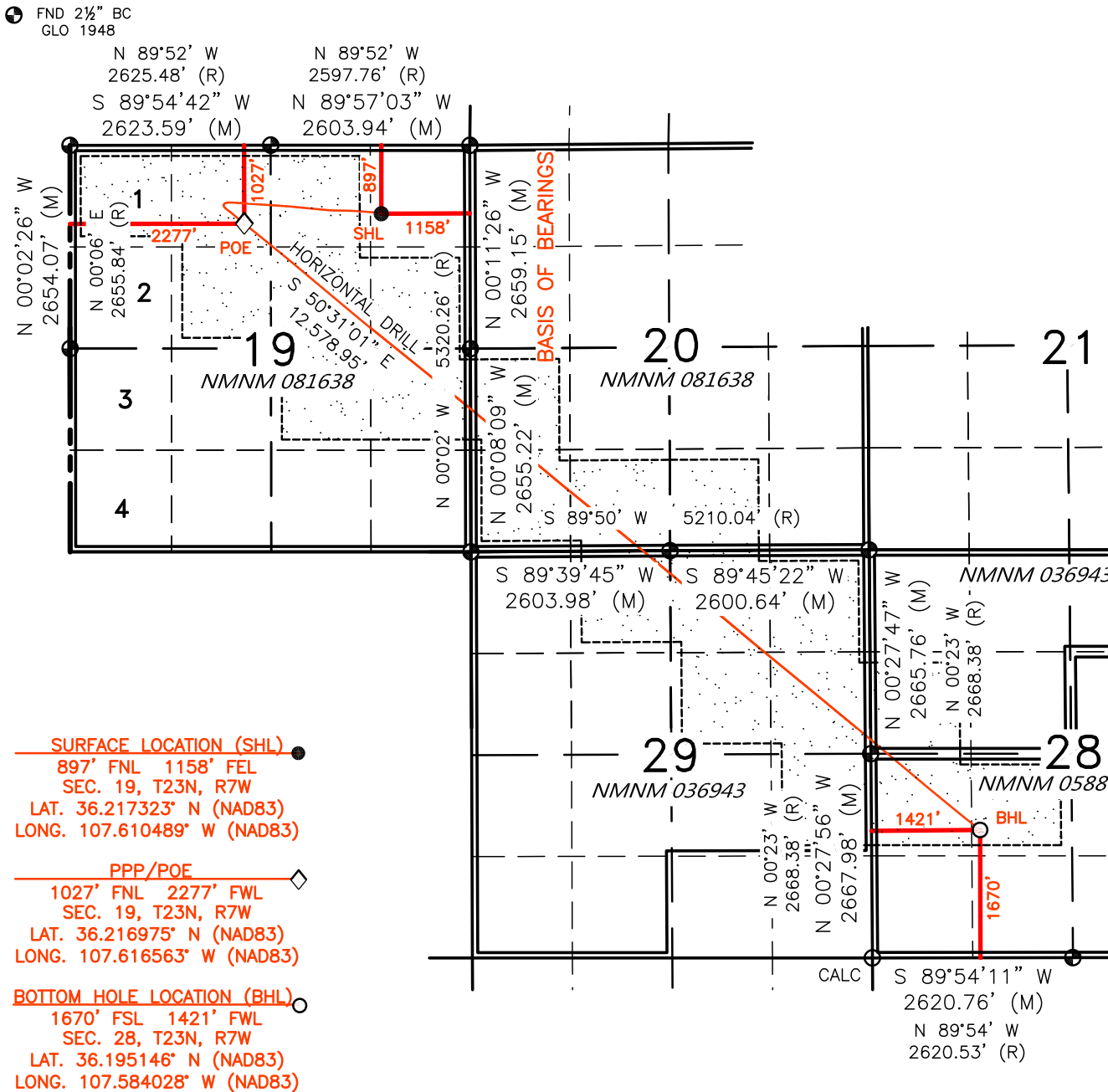
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	28	23N	7W		1670'	SOUTH	1421'	WEST	SANDOVAL

¹² Dedicated Acres SEC 19: LOT 1, NE/NW, SE/NW, NW/NE, SW/NE, SE/NE, NW/SE & NE/SE (320.82 AC.); SEC 20: NW/SW, SW/SW, SE/SW & SW/SE (160 AC.); SEC 29: NE/NW, NE/4 & NE/SE (240 AC.); SEC 28: SW/NW, NW/SW & NE/SW (120 AC.) = 840.82 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 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 6/21/24
Signature Date

Heather Huntington
Printed Name

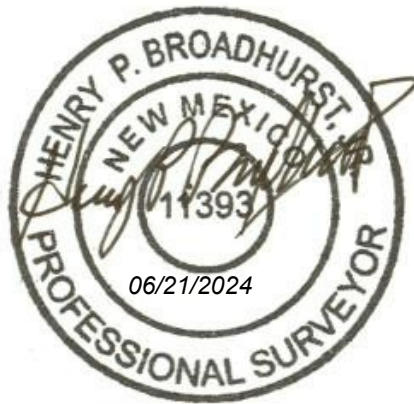
hhuntington@enduringresources.com
E-mail Address

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.

JUNE 20, 2024

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393



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

ANNOTATIONS SURVEYS

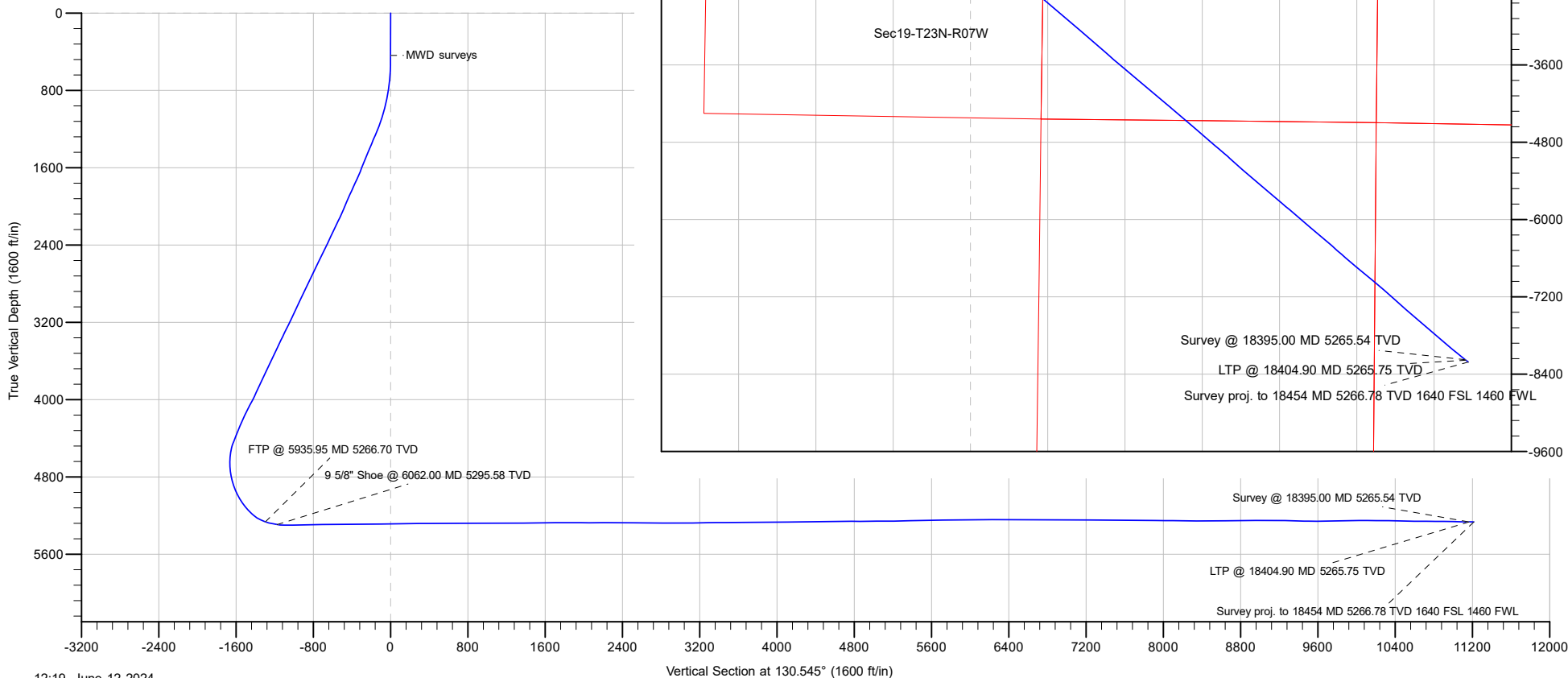
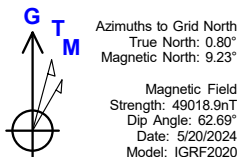
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
440.00	0.15	292.320	440.00	0.22	-0.53	-0.55	MWD surveys
5935.95	69.94	131.205	5266.70	-101.36	-1793.48	-1296.96	FTP @ 5935.95 MD 5266.70 TVD
6062.00	82.86	128.618	5295.58	-178.38	-1698.31	-1174.59	9 5/8" Shoe @ 6062.00 MD 5295.58 TVD
18395.00	89.80	128.060	5265.54	-8175.72	7687.09	11155.97	Survey @ 18395.00 MD 5265.54 TVD
18404.90	88.80	128.060	5265.75	-8181.82	7694.88	11165.86	LTP @ 18404.90 MD 5265.75 TVD
18454.00	88.80	128.060	5266.78	-8212.08	7733.53	11214.90	Survey proj. to 18454 MD 5266.78 TVD 1640 FSL 1460 FWL



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: 1901187.19 Easting: 1239103.39 Latitude: 36.21732300 Longitude: -107.61048900

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 9.23°



12:19, June 12 2024



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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
From:	Lat/Long	Easting:	1,239,107.83 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.21727000
		Longitude:	-107.61047300

Well	North Alamito Unit 106 H, Surf loc: 897 FNL 1158 FEL Section 19-T23N-R07W		
Well Position	+N/-S	0.00 ft	Northing: 1,901,187.20 usft
	+E/-W	0.00 ft	Easting: 1,239,103.38 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
Grid Convergence:	-0.80 °	Ground Level:	6,962.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/20/2024	8.43	62.69	49,018.93121944

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	6/12/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
440.00	5,973.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
6,091.00	18,395.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
18,454.00	18,454.00	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
440.00	0.15	292.320	440.00	0.22	-0.53	-0.55	0.03	0.03	0.00
MWD surveys									
485.00	0.07	283.750	485.00	0.25	-0.61	-0.63	0.18	-0.18	-19.04
574.00	2.32	274.340	573.97	0.40	-2.46	-2.13	2.53	2.53	-10.57
664.00	5.59	282.320	663.75	1.47	-8.56	-7.46	3.68	3.63	8.87
753.00	8.18	282.950	752.10	3.81	-18.97	-16.90	2.91	2.91	0.71
843.00	11.42	282.770	840.77	7.22	-33.90	-30.46	3.60	3.60	-0.20



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)
932.00	14.53	280.130	927.49	11.13	-53.49	-47.89	3.56	3.49	-2.97
1,021.00	17.53	278.070	1,013.02	14.98	-77.76	-68.83	3.43	3.37	-2.31
1,115.00	21.47	278.900	1,101.61	19.63	-108.78	-95.42	4.20	4.19	0.88
1,208.00	25.50	276.730	1,186.89	24.61	-145.50	-126.56	4.43	4.33	-2.33
1,302.00	27.93	276.550	1,270.85	29.49	-187.47	-161.63	2.59	2.59	-0.19
1,394.00	26.71	275.230	1,352.59	33.84	-229.46	-196.36	1.48	-1.33	-1.43
1,487.00	27.63	275.000	1,435.33	37.62	-271.76	-230.97	1.00	0.99	-0.25
1,579.00	27.41	274.410	1,516.92	41.11	-314.13	-265.43	0.38	-0.24	-0.64
1,674.00	26.52	272.650	1,601.59	43.77	-357.12	-299.82	1.26	-0.94	-1.85
1,764.00	27.27	273.700	1,681.86	46.03	-397.77	-332.18	0.99	0.83	1.17
1,856.00	31.25	273.100	1,762.10	48.68	-442.64	-368.01	4.34	4.33	-0.65
1,948.00	29.98	270.420	1,841.28	50.14	-489.46	-404.53	2.03	-1.38	-2.91
2,037.00	29.76	271.350	1,918.46	50.82	-533.78	-438.66	0.58	-0.25	1.04
2,127.00	29.14	270.870	1,996.83	51.68	-578.02	-472.83	0.74	-0.69	-0.53
2,216.00	28.76	272.640	2,074.71	53.00	-621.08	-506.41	1.05	-0.43	1.99
2,306.00	30.93	275.720	2,152.77	56.30	-665.73	-542.48	2.95	2.41	3.42
2,395.00	30.79	273.640	2,229.17	60.03	-711.22	-579.47	1.21	-0.16	-2.34
2,484.00	30.14	277.760	2,305.89	64.49	-756.10	-616.48	2.46	-0.73	4.63
2,574.00	29.37	276.220	2,384.03	69.93	-800.43	-653.70	1.21	-0.86	-1.71
2,663.00	30.58	276.480	2,461.12	74.85	-844.62	-690.48	1.37	1.36	0.29
2,752.00	30.81	275.510	2,537.65	79.60	-889.80	-727.90	0.61	0.26	-1.09
2,842.00	30.19	274.760	2,615.20	83.69	-935.30	-765.13	0.81	-0.69	-0.83
2,931.00	31.27	277.830	2,691.71	88.69	-980.49	-802.72	2.14	1.21	3.45
3,020.00	29.26	277.760	2,768.57	94.78	-1,024.93	-840.45	2.26	-2.26	-0.08
3,110.00	29.40	276.760	2,847.04	100.35	-1,068.66	-877.30	0.57	0.16	-1.11
3,199.00	29.65	276.290	2,924.48	105.33	-1,112.23	-913.65	0.38	0.28	-0.53
3,289.00	29.86	276.250	3,002.61	110.21	-1,156.63	-950.56	0.23	0.23	-0.04
3,379.00	29.36	275.720	3,080.86	114.85	-1,200.86	-987.18	0.63	-0.56	-0.59
3,468.00	30.77	276.560	3,157.88	119.62	-1,245.18	-1,023.97	1.65	1.58	0.94
3,557.00	31.35	276.280	3,234.12	124.76	-1,290.81	-1,061.98	0.67	0.65	-0.31
3,647.00	29.74	275.030	3,311.63	129.27	-1,336.33	-1,099.50	1.92	-1.79	-1.39
3,736.00	31.28	274.420	3,388.31	132.99	-1,381.36	-1,136.14	1.76	1.73	-0.69
3,826.00	31.60	273.950	3,465.09	136.41	-1,428.17	-1,173.94	0.45	0.36	-0.52
3,915.00	29.76	271.550	3,541.64	138.62	-1,473.52	-1,209.83	2.48	-2.07	-2.70
4,005.00	31.17	275.450	3,619.22	141.44	-1,519.04	-1,246.25	2.70	1.57	4.33
4,094.00	30.48	275.900	3,695.64	145.94	-1,564.42	-1,283.67	0.82	-0.78	0.51
4,184.00	28.74	274.410	3,773.89	149.95	-1,608.71	-1,319.93	2.10	-1.93	-1.66
4,273.00	30.63	277.050	3,851.21	154.38	-1,652.55	-1,356.12	2.58	2.12	2.97
4,363.00	28.99	275.760	3,929.30	159.39	-1,697.00	-1,393.15	1.96	-1.82	-1.43
4,452.00	30.92	274.970	4,006.41	163.53	-1,741.25	-1,429.47	2.21	2.17	-0.89
4,541.00	32.87	274.980	4,081.96	167.61	-1,788.09	-1,467.72	2.19	2.19	0.01
4,631.00	32.80	274.260	4,157.59	171.54	-1,836.73	-1,507.23	0.44	-0.08	-0.80
4,720.00	27.52	271.990	4,234.51	174.05	-1,881.35	-1,542.77	6.07	-5.93	-2.55



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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	26.43	272.700	4,314.72	175.71	-1,922.14	-1,574.85	1.26	-1.21	0.79	
4,899.00	28.08	274.320	4,393.84	178.22	-1,962.82	-1,607.39	2.03	1.85	1.82	
4,944.00	26.78	271.380	4,433.78	179.27	-1,983.52	-1,623.80	4.17	-2.89	-6.53	
4,989.00	24.69	266.700	4,474.32	178.97	-2,003.04	-1,638.44	6.47	-4.64	-10.40	
5,033.00	19.83	256.740	4,515.04	176.73	-2,019.49	-1,649.48	13.95	-11.05	-22.64	
5,078.00	15.99	249.470	4,557.86	172.80	-2,032.73	-1,656.99	9.86	-8.53	-16.16	
5,123.00	13.62	241.160	4,601.37	168.07	-2,043.18	-1,661.86	7.06	-5.27	-18.47	
5,168.00	11.21	227.230	4,645.32	162.54	-2,051.04	-1,664.23	8.51	-5.36	-30.96	
5,212.00	11.11	209.450	4,688.50	155.94	-2,056.26	-1,663.91	7.79	-0.23	-40.41	
5,257.00	10.86	191.010	4,732.69	148.00	-2,059.20	-1,660.99	7.80	-0.56	-40.98	
5,301.00	13.05	173.360	4,775.75	139.00	-2,059.42	-1,655.30	9.63	4.98	-40.11	
5,346.00	15.17	155.890	4,819.41	128.57	-2,056.43	-1,646.25	10.52	4.71	-38.82	
5,391.00	17.47	139.760	4,862.61	118.03	-2,049.65	-1,634.25	11.25	5.11	-35.84	
5,435.00	20.55	131.490	4,904.22	107.87	-2,039.60	-1,620.00	9.28	7.00	-18.80	
5,480.00	24.10	129.330	4,945.84	96.81	-2,026.57	-1,602.91	8.10	7.89	-4.80	
5,525.00	27.19	128.050	4,986.40	84.65	-2,011.36	-1,583.45	6.98	6.87	-2.84	
5,570.00	30.28	126.540	5,025.85	71.55	-1,994.15	-1,561.86	7.05	6.87	-3.36	
5,614.00	33.30	128.100	5,063.25	57.49	-1,975.73	-1,538.72	7.11	6.86	3.55	
5,659.00	36.95	130.480	5,100.05	41.08	-1,955.71	-1,512.84	8.66	8.11	5.29	
5,704.00	40.53	131.200	5,135.14	22.67	-1,934.41	-1,484.69	8.02	7.96	1.60	
5,749.00	45.39	131.280	5,168.07	2.46	-1,911.36	-1,454.03	10.80	10.80	0.18	
5,794.00	51.18	131.150	5,198.00	-19.67	-1,886.10	-1,420.46	12.87	12.87	-0.29	
5,839.00	57.82	131.120	5,224.12	-43.75	-1,858.53	-1,383.84	14.76	14.76	-0.07	
5,883.00	63.32	131.600	5,245.73	-69.07	-1,829.78	-1,345.54	12.54	12.50	1.09	
5,928.00	68.99	131.780	5,263.91	-96.43	-1,799.05	-1,304.41	12.61	12.60	0.40	
5,935.95	69.94	131.205	5,266.70	-101.36	-1,793.48	-1,296.96	13.74	11.95	-7.23	
FTP @ 5935.95 MD 5266.70 TVD										
5,973.00	74.39	128.610	5,278.05	-123.98	-1,766.43	-1,261.71	13.74	12.01	-7.00	
6,062.00	82.86	128.618	5,295.58	-178.38	-1,698.31	-1,174.59	9.52	9.52	0.01	
9 5/8" Shoe @ 6062.00 MD 5295.58 TVD										
6,091.00	85.62	128.620	5,298.49	-196.38	-1,675.77	-1,145.75	9.52	9.52	0.01	
6,135.00	88.56	129.510	5,300.73	-224.07	-1,641.66	-1,101.83	6.98	6.68	2.02	
6,223.00	92.05	131.380	5,300.26	-281.15	-1,574.70	-1,013.85	4.50	3.97	2.13	
6,310.00	92.44	131.170	5,296.85	-338.50	-1,509.36	-926.92	0.51	0.45	-0.24	
6,397.00	90.65	130.620	5,294.51	-395.43	-1,443.63	-839.96	2.15	-2.06	-0.63	
6,483.00	90.37	129.980	5,293.74	-451.05	-1,378.04	-753.96	0.81	-0.33	-0.74	
6,571.00	90.16	129.310	5,293.33	-507.20	-1,310.28	-665.98	0.80	-0.24	-0.76	
6,659.00	90.09	128.960	5,293.14	-562.74	-1,242.02	-578.00	0.41	-0.08	-0.40	
6,747.00	90.61	129.150	5,292.60	-618.18	-1,173.69	-490.03	0.63	0.59	0.22	
6,835.00	90.45	129.180	5,291.79	-673.76	-1,105.46	-402.06	0.18	-0.18	0.03	
6,922.00	90.42	131.680	5,291.13	-730.17	-1,039.25	-315.07	2.87	-0.03	2.87	
7,010.00	90.99	131.870	5,290.05	-788.79	-973.62	-227.10	0.68	0.65	0.22	
7,098.00	91.03	131.520	5,288.50	-847.32	-907.92	-139.13	0.40	0.05	-0.40	
7,186.00	91.47	131.190	5,286.58	-905.45	-841.88	-51.16	0.62	0.50	-0.38	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)	
7,273.00	90.35	131.370	5,285.19	-962.84	-776.51	35.82	1.30	-1.29	0.21	
7,360.00	91.03	131.430	5,284.15	-1,020.37	-711.26	122.80	0.78	0.78	0.07	
7,449.00	89.91	130.880	5,283.42	-1,078.93	-644.25	211.79	1.40	-1.26	-0.62	
7,537.00	91.03	131.760	5,282.69	-1,137.03	-578.17	299.78	1.62	1.27	1.00	
7,626.00	89.84	130.560	5,282.02	-1,195.61	-511.16	388.77	1.90	-1.34	-1.35	
7,714.00	89.92	130.490	5,282.20	-1,252.79	-444.27	476.77	0.12	0.09	-0.08	
7,802.00	90.46	130.400	5,281.91	-1,309.87	-377.30	564.77	0.62	0.61	-0.10	
7,890.00	90.66	130.430	5,281.05	-1,366.92	-310.31	652.76	0.23	0.23	0.03	
7,978.00	90.88	130.440	5,279.87	-1,423.99	-243.33	740.75	0.25	0.25	0.01	
8,066.00	89.42	130.060	5,279.64	-1,480.85	-176.17	828.75	1.71	-1.66	-0.43	
8,153.00	89.47	130.090	5,280.48	-1,536.86	-109.60	915.74	0.07	0.06	0.03	
8,241.00	89.70	130.000	5,281.12	-1,593.47	-42.23	1,003.74	0.28	0.26	-0.10	
8,329.00	90.09	129.830	5,281.28	-1,649.94	25.26	1,091.73	0.48	0.44	-0.19	
8,417.00	90.66	129.740	5,280.70	-1,706.25	92.88	1,179.72	0.66	0.65	-0.10	
8,504.00	90.78	129.950	5,279.61	-1,761.99	159.68	1,266.71	0.28	0.14	0.24	
8,591.00	90.69	129.290	5,278.49	-1,817.46	226.68	1,353.69	0.77	-0.10	-0.76	
8,679.00	91.12	129.100	5,277.10	-1,873.07	294.88	1,441.65	0.53	0.49	-0.22	
8,766.00	90.21	130.230	5,276.09	-1,928.59	361.84	1,528.64	1.67	-1.05	1.30	
8,853.00	90.35	129.980	5,275.67	-1,984.64	428.38	1,615.63	0.33	0.16	-0.29	
8,941.00	90.52	129.900	5,275.00	-2,041.13	495.85	1,703.62	0.21	0.19	-0.09	
9,029.00	90.76	129.620	5,274.02	-2,097.41	563.50	1,791.61	0.42	0.27	-0.32	
9,117.00	89.19	130.830	5,274.06	-2,154.24	630.68	1,879.60	2.25	-1.78	1.38	
9,205.00	89.44	130.510	5,275.11	-2,211.58	697.42	1,967.60	0.46	0.28	-0.36	
9,293.00	90.05	130.330	5,275.50	-2,268.64	764.42	2,055.60	0.72	0.69	-0.20	
9,380.00	90.25	130.450	5,275.27	-2,325.01	830.68	2,142.60	0.27	0.23	0.14	
9,468.00	90.23	129.610	5,274.90	-2,381.61	898.06	2,230.59	0.95	-0.02	-0.95	
9,556.00	90.74	129.330	5,274.16	-2,437.55	965.99	2,318.57	0.66	0.58	-0.32	
9,644.00	89.66	130.220	5,273.85	-2,493.85	1,033.62	2,406.56	1.59	-1.23	1.01	
9,732.00	88.61	128.770	5,275.18	-2,549.81	1,101.52	2,494.53	2.03	-1.19	-1.65	
9,820.00	88.91	130.900	5,277.08	-2,606.16	1,169.08	2,582.50	2.44	0.34	2.42	
9,907.00	89.19	130.510	5,278.53	-2,662.89	1,235.02	2,669.49	0.55	0.32	-0.45	
9,994.00	89.56	130.100	5,279.48	-2,719.17	1,301.36	2,756.48	0.63	0.43	-0.47	
10,081.00	89.95	129.720	5,279.85	-2,774.98	1,368.09	2,843.47	0.63	0.45	-0.44	
10,169.00	90.37	131.450	5,279.60	-2,832.23	1,434.92	2,931.47	2.02	0.48	1.97	
10,255.00	90.71	131.300	5,278.79	-2,889.07	1,499.45	3,017.46	0.43	0.40	-0.17	
10,343.00	90.87	130.980	5,277.58	-2,946.96	1,565.72	3,105.44	0.41	0.18	-0.36	
10,431.00	91.04	130.690	5,276.11	-3,004.50	1,632.29	3,193.43	0.38	0.19	-0.33	
10,518.00	91.13	130.270	5,274.46	-3,060.97	1,698.45	3,280.41	0.49	0.10	-0.48	
10,605.00	90.83	129.480	5,272.98	-3,116.74	1,765.21	3,367.40	0.97	-0.34	-0.91	
10,692.00	90.24	131.620	5,272.16	-3,173.29	1,831.31	3,454.39	2.55	-0.68	2.46	
10,780.00	90.42	131.270	5,271.66	-3,231.54	1,897.27	3,542.37	0.45	0.20	-0.40	
10,868.00	90.20	130.650	5,271.18	-3,289.22	1,963.73	3,630.37	0.75	-0.25	-0.70	
10,956.00	90.05	129.980	5,270.99	-3,346.16	2,030.83	3,718.37	0.78	-0.17	-0.76	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)
11,043.00	90.38	131.490	5,270.66	-3,402.93	2,096.75	3,805.36	1.78	0.38	1.74
11,131.00	90.45	131.030	5,270.03	-3,460.96	2,162.90	3,893.36	0.53	0.08	-0.52
11,219.00	90.46	130.800	5,269.33	-3,518.59	2,229.39	3,981.35	0.26	0.01	-0.26
11,307.00	90.50	130.550	5,268.59	-3,575.94	2,296.13	4,069.35	0.29	0.05	-0.28
11,395.00	90.34	129.950	5,267.94	-3,632.80	2,363.30	4,157.34	0.71	-0.18	-0.68
11,482.00	90.19	129.630	5,267.54	-3,688.48	2,430.15	4,244.33	0.41	-0.17	-0.37
11,569.00	91.06	131.070	5,266.59	-3,744.80	2,496.44	4,331.33	1.93	1.00	1.66
11,657.00	91.07	130.710	5,264.96	-3,802.40	2,562.96	4,419.31	0.41	0.01	-0.41
11,745.00	90.87	130.020	5,263.47	-3,859.38	2,630.00	4,507.30	0.82	-0.23	-0.78
11,834.00	91.11	129.710	5,261.93	-3,916.42	2,698.30	4,596.28	0.44	0.27	-0.35
11,922.00	90.83	129.090	5,260.44	-3,972.27	2,766.29	4,684.24	0.77	-0.32	-0.70
12,010.00	88.96	129.470	5,260.60	-4,027.98	2,834.40	4,772.22	2.17	-2.13	0.43
12,098.00	90.68	130.220	5,260.88	-4,084.36	2,901.96	4,860.21	2.13	1.95	0.85
12,186.00	90.82	129.690	5,259.73	-4,140.87	2,969.41	4,948.20	0.62	0.16	-0.60
12,273.00	90.84	131.060	5,258.47	-4,197.22	3,035.68	5,035.18	1.57	0.02	1.57
12,361.00	89.60	129.730	5,258.13	-4,254.24	3,102.70	5,123.18	2.07	-1.41	-1.51
12,448.00	91.09	130.960	5,257.60	-4,310.56	3,169.00	5,210.17	2.22	1.71	1.41
12,535.00	91.41	130.540	5,255.71	-4,367.34	3,234.90	5,297.15	0.61	0.37	-0.48
12,623.00	90.48	129.450	5,254.25	-4,423.89	3,302.30	5,385.13	1.63	-1.06	-1.24
12,710.00	90.66	131.050	5,253.39	-4,480.10	3,368.70	5,472.12	1.85	0.21	1.84
12,798.00	91.52	130.670	5,251.71	-4,537.66	3,435.24	5,560.11	1.07	0.98	-0.43
12,884.00	91.75	130.540	5,249.26	-4,593.61	3,500.51	5,646.07	0.31	0.27	-0.15
12,972.00	90.88	131.870	5,247.24	-4,651.56	3,566.69	5,734.04	1.81	-0.99	1.51
13,060.00	90.83	131.210	5,245.93	-4,709.91	3,632.55	5,822.02	0.75	-0.06	-0.75
13,147.00	90.89	130.900	5,244.62	-4,767.04	3,698.15	5,909.00	0.36	0.07	-0.36
13,235.00	90.80	130.290	5,243.32	-4,824.30	3,764.97	5,996.99	0.70	-0.10	-0.69
13,322.00	90.15	128.940	5,242.60	-4,879.77	3,831.98	6,083.98	1.72	-0.75	-1.55
13,410.00	89.78	130.600	5,242.66	-4,936.06	3,899.62	6,171.96	1.93	-0.42	1.89
13,497.00	89.37	130.350	5,243.30	-4,992.53	3,965.80	6,258.96	0.55	-0.47	-0.29
13,584.00	89.21	132.190	5,244.38	-5,049.91	4,031.18	6,345.94	2.12	-0.18	2.11
13,672.00	89.76	132.170	5,245.17	-5,109.00	4,096.39	6,433.90	0.63	0.63	-0.02
13,760.00	89.78	131.700	5,245.52	-5,167.81	4,161.85	6,521.88	0.53	0.02	-0.53
13,848.00	90.23	131.600	5,245.52	-5,226.29	4,227.60	6,609.86	0.52	0.51	-0.11
13,935.00	90.41	131.150	5,245.03	-5,283.79	4,292.89	6,696.85	0.56	0.21	-0.52
14,023.00	90.70	130.890	5,244.18	-5,341.55	4,359.28	6,784.84	0.44	0.33	-0.30
14,110.00	90.70	130.500	5,243.12	-5,398.27	4,425.24	6,871.84	0.45	0.00	-0.45
14,198.00	89.54	129.230	5,242.93	-5,454.67	4,492.78	6,959.83	1.95	-1.32	-1.44
14,286.00	88.46	129.210	5,244.47	-5,510.31	4,560.94	7,047.79	1.23	-1.23	-0.02
14,373.00	88.92	131.000	5,246.46	-5,566.33	4,627.47	7,134.76	2.12	0.53	2.06
14,461.00	89.15	130.700	5,247.94	-5,623.89	4,694.02	7,222.75	0.43	0.26	-0.34
14,549.00	89.44	130.550	5,249.02	-5,681.18	4,760.81	7,310.74	0.37	0.33	-0.17
14,637.00	89.95	130.290	5,249.49	-5,738.24	4,827.80	7,398.74	0.65	0.58	-0.30
14,724.00	89.90	130.060	5,249.60	-5,794.36	4,894.28	7,485.73	0.27	-0.06	-0.26
14,812.00	90.21	129.890	5,249.52	-5,850.90	4,961.71	7,573.73	0.40	0.35	-0.19



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)
14,899.00	90.31	129.610	5,249.12	-5,906.53	5,028.60	7,660.72	0.34	0.11	-0.32
14,987.00	89.07	131.440	5,249.60	-5,963.70	5,095.49	7,748.71	2.51	-1.41	2.08
15,075.00	89.27	131.070	5,250.88	-6,021.73	5,161.64	7,836.70	0.48	0.23	-0.42
15,163.00	89.13	130.650	5,252.10	-6,079.29	5,228.18	7,924.69	0.50	-0.16	-0.48
15,250.00	89.33	130.470	5,253.27	-6,135.86	5,294.27	8,011.68	0.31	0.23	-0.21
15,338.00	89.40	130.100	5,254.25	-6,192.75	5,361.40	8,099.67	0.43	0.08	-0.42
15,426.00	88.62	129.270	5,255.77	-6,248.94	5,429.11	8,187.65	1.29	-0.89	-0.94
15,514.00	89.77	130.620	5,257.01	-6,305.43	5,496.57	8,275.63	2.02	1.31	1.53
15,602.00	89.43	129.680	5,257.62	-6,362.17	5,563.83	8,363.63	1.14	-0.39	-1.07
15,689.00	90.99	132.240	5,257.30	-6,419.19	5,629.52	8,450.61	3.45	1.79	2.94
15,777.00	90.79	131.470	5,255.93	-6,477.90	5,695.06	8,538.58	0.90	-0.23	-0.88
15,865.00	90.68	131.250	5,254.81	-6,536.05	5,761.10	8,626.56	0.28	-0.13	-0.25
15,952.00	90.68	131.040	5,253.77	-6,593.29	5,826.61	8,713.55	0.24	0.00	-0.24
16,040.00	90.70	130.660	5,252.71	-6,650.84	5,893.17	8,801.54	0.43	0.02	-0.43
16,128.00	90.41	130.170	5,251.86	-6,707.89	5,960.17	8,889.54	0.65	-0.33	-0.56
16,216.00	90.00	129.530	5,251.55	-6,764.28	6,027.73	8,977.53	0.86	-0.47	-0.73
16,302.00	89.92	129.020	5,251.61	-6,818.72	6,094.30	9,063.51	0.60	-0.09	-0.59
16,390.00	89.57	128.280	5,252.00	-6,873.68	6,163.03	9,151.46	0.93	-0.40	-0.84
16,477.00	88.72	130.880	5,253.30	-6,929.10	6,230.07	9,238.43	3.14	-0.98	2.99
16,565.00	88.82	130.330	5,255.18	-6,986.36	6,296.86	9,326.41	0.64	0.11	-0.63
16,652.00	88.49	129.940	5,257.23	-7,042.43	6,363.36	9,413.38	0.59	-0.38	-0.45
16,740.00	89.67	131.290	5,258.64	-7,099.70	6,430.15	9,501.37	2.04	1.34	1.53
16,828.00	89.31	130.310	5,259.42	-7,157.20	6,496.76	9,589.36	1.19	-0.41	-1.11
16,915.00	91.17	132.800	5,259.06	-7,214.90	6,561.86	9,676.34	3.57	2.14	2.86
17,003.00	91.43	132.110	5,257.06	-7,274.29	6,626.77	9,764.27	0.84	0.30	-0.78
17,091.00	90.92	131.290	5,255.26	-7,332.82	6,692.45	9,852.23	1.10	-0.58	-0.93
17,179.00	90.95	131.100	5,253.82	-7,390.77	6,758.66	9,940.21	0.22	0.03	-0.22
17,267.00	90.79	130.780	5,252.49	-7,448.42	6,825.13	10,028.20	0.41	-0.18	-0.36
17,354.00	89.53	131.270	5,252.24	-7,505.53	6,890.76	10,115.19	1.55	-1.45	0.56
17,442.00	89.44	130.910	5,253.03	-7,563.36	6,957.08	10,203.19	0.42	-0.10	-0.41
17,530.00	89.25	130.550	5,254.04	-7,620.78	7,023.77	10,291.18	0.46	-0.22	-0.41
17,617.00	89.27	130.360	5,255.16	-7,677.22	7,089.96	10,378.17	0.22	0.02	-0.22
17,705.00	88.82	129.540	5,256.63	-7,733.72	7,157.41	10,466.15	1.06	-0.51	-0.93
17,793.00	89.21	131.170	5,258.14	-7,790.69	7,224.46	10,554.14	1.90	0.44	1.85
17,880.00	89.28	130.680	5,259.29	-7,847.68	7,290.19	10,641.13	0.57	0.08	-0.56
17,967.00	89.34	130.440	5,260.34	-7,904.25	7,356.28	10,728.12	0.28	0.07	-0.28
18,055.00	89.43	130.120	5,261.28	-7,961.14	7,423.41	10,816.11	0.38	0.10	-0.36
18,142.00	89.10	129.550	5,262.40	-8,016.86	7,490.21	10,903.10	0.76	-0.38	-0.66
18,230.00	89.23	129.030	5,263.68	-8,072.58	7,558.31	10,991.07	0.61	0.15	-0.59
18,317.00	89.68	128.810	5,264.51	-8,127.24	7,626.00	11,078.03	0.58	0.52	-0.25
18,395.00	88.80	128.060	5,265.54	-8,175.72	7,687.09	11,155.97	1.48	-1.13	-0.96
Survey @ 18395.00 MD 5265.54 TVD									
18,404.90	88.80	128.060	5,265.75	-8,181.82	7,694.88	11,165.86	0.00	0.00	0.00



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)
LTP @ 18404.90 MD 5265.75 TVD									
18,454.00	88.80	128.060	5,266.78	-8,212.08	7,733.53	11,214.90	0.00	0.00	0.00
Survey proj. to 18454 MD 5266.78 TVD 1640 FSL 1460 FWL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
440.00	440.00	0.22	-0.53	MWD surveys
5,935.95	5,266.70	-101.36	-1,793.48	FTP @ 5935.95 MD 5266.70 TVD
6,062.00	5,295.58	-178.38	-1,698.31	9 5/8" Shoe @ 6062.00 MD 5295.58 TVD
18,395.00	5,265.54	-8,175.72	7,687.09	Survey @ 18395.00 MD 5265.54 TVD
18,404.90	5,265.75	-8,181.82	7,694.88	LTP @ 18404.90 MD 5265.75 TVD
18,454.00	5,266.78	-8,212.08	7,733.53	Survey proj. to 18454 MD 5266.78 TVD 1640 FSL 1460 FWL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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:	-0.80 °

Well	North Alamito Unit 106 H, Surf loc: 897 FNL 1158 FEL Section 19-T23N-R07W					
Well Position	+N/-S	0.00 ft	Northing:	1,901,187.20 usft	Latitude:	36.21732300
	+E/-W	0.00 ft	Easting:	1,239,103.38 usft	Longitude:	-107.61048900
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	8.43	62.69	49,018.93121944

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	6/12/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
440.00	5,973.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
6,091.00	18,395.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
18,454.00	18,454.00	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	1,901,187.20	1,239,103.38	36.21732300	-107.61048900
440.00	0.15	292.320	440.00	0.22	-0.53	1,901,187.41	1,239,102.85	36.21732358	-107.61049082
MWD surveys									
485.00	0.07	283.750	485.00	0.25	-0.61	1,901,187.44	1,239,102.77	36.21732366	-107.61049110
574.00	2.32	274.340	573.97	0.40	-2.46	1,901,187.59	1,239,100.92	36.21732400	-107.61049737
664.00	5.59	282.320	663.75	1.47	-8.56	1,901,188.67	1,239,094.82	36.21732671	-107.61051810
753.00	8.18	282.950	752.10	3.81	-18.97	1,901,191.01	1,239,084.41	36.21733275	-107.61055348
843.00	11.42	282.770	840.77	7.22	-33.90	1,901,194.42	1,239,069.48	36.21734152	-107.61060426
932.00	14.53	280.130	927.49	11.13	-53.49	1,901,198.33	1,239,049.89	36.21735151	-107.61067083
1,021.00	17.53	278.070	1,013.02	14.98	-77.76	1,901,202.17	1,239,025.62	36.21736114	-107.61075326



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,115.00	21.47	278.900	1,101.61	19.63	-108.78	1,901,206.82	1,238,994.60	36.21737271	-107.61085863
1,208.00	25.50	276.730	1,186.89	24.61	-145.50	1,901,211.81	1,238,957.89	36.21738498	-107.61098329
1,302.00	27.93	276.550	1,270.85	29.49	-187.47	1,901,216.69	1,238,915.92	36.21739677	-107.61112578
1,394.00	26.71	275.230	1,352.59	33.84	-229.46	1,901,221.03	1,238,873.92	36.21740708	-107.61126832
1,487.00	27.63	275.000	1,435.33	37.62	-271.76	1,901,224.82	1,238,831.62	36.21741584	-107.61141186
1,579.00	27.41	274.410	1,516.92	41.11	-314.13	1,901,228.30	1,238,789.26	36.21742379	-107.61155561
1,674.00	26.52	272.650	1,601.59	43.77	-357.12	1,901,230.97	1,238,746.27	36.21742944	-107.61170144
1,764.00	27.27	273.700	1,681.86	46.03	-397.77	1,901,233.23	1,238,705.62	36.21743408	-107.61183931
1,856.00	31.25	273.100	1,762.10	48.68	-442.64	1,901,235.88	1,238,660.74	36.21743963	-107.61199154
1,948.00	29.98	270.420	1,841.28	50.14	-489.46	1,901,237.34	1,238,613.92	36.21744183	-107.61215029
2,037.00	29.76	271.350	1,918.46	50.82	-533.78	1,901,238.02	1,238,569.60	36.21744200	-107.61230053
2,127.00	29.14	270.870	1,996.83	51.68	-578.02	1,901,238.88	1,238,525.36	36.21744265	-107.61245051
2,216.00	28.76	272.640	2,074.71	53.00	-621.08	1,901,240.19	1,238,482.31	36.21744460	-107.61259650
2,306.00	30.93	275.720	2,152.77	56.30	-665.73	1,901,243.50	1,238,437.66	36.21745195	-107.61274799
2,395.00	30.79	273.640	2,229.17	60.03	-711.22	1,901,247.22	1,238,392.16	36.21746042	-107.61290235
2,484.00	30.14	277.760	2,305.89	64.49	-756.10	1,901,251.69	1,238,347.29	36.21747095	-107.61305467
2,574.00	29.37	276.220	2,384.03	69.93	-800.43	1,901,257.13	1,238,302.96	36.21748418	-107.61320517
2,663.00	30.58	276.480	2,461.12	74.85	-844.62	1,901,262.05	1,238,258.76	36.21749599	-107.61335518
2,752.00	30.81	275.510	2,537.65	79.60	-889.80	1,901,266.79	1,238,213.58	36.21750727	-107.61350854
2,842.00	30.19	274.760	2,615.20	83.69	-935.30	1,901,270.88	1,238,168.09	36.21751675	-107.61366293
2,931.00	31.27	277.830	2,691.71	88.69	-980.49	1,901,275.89	1,238,122.90	36.21752875	-107.61381632
3,020.00	29.26	277.760	2,768.57	94.78	-1,024.93	1,901,281.97	1,238,078.46	36.21754374	-107.61396722
3,110.00	29.40	276.760	2,847.04	100.35	-1,068.66	1,901,287.54	1,238,034.73	36.21755735	-107.61411570
3,199.00	29.65	276.290	2,924.48	105.33	-1,112.23	1,901,292.52	1,237,991.16	36.21756935	-107.61426362
3,289.00	29.86	276.250	3,002.61	110.21	-1,156.63	1,901,297.40	1,237,946.76	36.21758103	-107.61441433
3,379.00	29.36	275.720	3,080.86	114.85	-1,200.86	1,901,302.04	1,237,902.53	36.21759206	-107.61456445
3,468.00	30.77	276.560	3,157.88	119.62	-1,245.18	1,901,306.82	1,237,858.20	36.21760346	-107.61471491
3,557.00	31.35	276.280	3,234.12	124.76	-1,290.81	1,901,311.95	1,237,812.57	36.21761580	-107.61486981
3,647.00	29.74	275.030	3,311.63	129.27	-1,336.33	1,901,316.47	1,237,767.06	36.21762645	-107.61502428
3,736.00	31.28	274.420	3,388.31	132.99	-1,381.36	1,901,320.19	1,237,722.03	36.21763491	-107.61517707
3,826.00	31.60	273.950	3,465.09	136.41	-1,428.17	1,901,323.61	1,237,675.21	36.21764251	-107.61533591
3,915.00	29.76	271.550	3,541.64	138.62	-1,473.52	1,901,325.81	1,237,629.87	36.21764681	-107.61548971
4,005.00	31.17	275.450	3,619.22	141.44	-1,519.04	1,901,328.63	1,237,584.34	36.21765278	-107.61564413
4,094.00	30.48	275.900	3,695.64	145.94	-1,564.42	1,901,333.14	1,237,538.96	36.21766341	-107.61579815
4,184.00	28.74	274.410	3,773.89	149.95	-1,608.71	1,901,337.15	1,237,494.68	36.21767271	-107.61594842
4,273.00	30.63	277.050	3,851.21	154.38	-1,652.55	1,901,341.58	1,237,450.84	36.21768317	-107.61609722
4,363.00	28.99	275.760	3,929.30	159.39	-1,697.00	1,901,346.58	1,237,406.38	36.21769519	-107.61624814
4,452.00	30.92	274.970	4,006.41	163.53	-1,741.25	1,901,350.73	1,237,362.14	36.21770487	-107.61639828
4,541.00	32.87	274.980	4,081.96	167.61	-1,788.09	1,901,354.80	1,237,315.30	36.21771425	-107.61655725
4,631.00	32.80	274.260	4,157.59	171.54	-1,836.73	1,901,358.74	1,237,266.66	36.21772316	-107.61672229
4,720.00	27.52	271.990	4,234.51	174.05	-1,881.35	1,901,361.24	1,237,222.03	36.21772832	-107.61687364
4,810.00	26.43	272.700	4,314.72	175.71	-1,922.14	1,901,362.91	1,237,181.25	36.21773132	-107.61701196
4,899.00	28.08	274.320	4,393.84	178.22	-1,962.82	1,901,365.42	1,237,140.57	36.21773664	-107.61714994
4,944.00	26.78	271.380	4,433.78	179.27	-1,983.52	1,901,366.46	1,237,119.87	36.21773870	-107.61722014
4,989.00	24.69	266.700	4,474.32	178.97	-2,003.04	1,901,366.16	1,237,100.35	36.21773713	-107.61728629
5,033.00	19.83	256.740	4,515.04	176.73	-2,019.49	1,901,363.92	1,237,083.90	36.21773033	-107.61734195
5,078.00	15.99	249.470	4,557.86	172.80	-2,032.73	1,901,359.99	1,237,070.66	36.21771903	-107.61738664
5,123.00	13.62	241.160	4,601.37	168.07	-2,043.18	1,901,355.26	1,237,060.21	36.21770564	-107.61742182
5,168.00	11.21	227.230	4,645.32	162.54	-2,051.04	1,901,349.74	1,237,052.35	36.21769015	-107.61744818
5,212.00	11.11	209.450	4,688.50	155.94	-2,056.26	1,901,343.14	1,237,047.13	36.21767183	-107.61746557
5,257.00	10.86	191.010	4,732.69	148.00	-2,059.20	1,901,335.20	1,237,044.19	36.21764991	-107.61747517
5,301.00	13.05	173.360	4,775.75	139.00	-2,059.42	1,901,326.19	1,237,043.97	36.21762517	-107.61747547
5,346.00	15.17	155.890	4,819.41	128.57	-2,056.43	1,901,315.77	1,237,046.96	36.21759665	-107.61746483
5,391.00	17.47	139.760	4,862.61	118.03	-2,049.65	1,901,305.23	1,237,053.74	36.21756797	-107.61744137
5,435.00	20.55	131.490	4,904.22	107.87	-2,039.60	1,901,295.07	1,237,063.79	36.21754045	-107.61740680



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,480.00	24.10	129.330	4,945.84	96.81	-2,026.57	1,901,284.01	1,237,076.82	36.21751058	-107.61736212
5,525.00	27.19	128.050	4,986.40	84.65	-2,011.36	1,901,271.84	1,237,092.02	36.21747777	-107.61731000
5,570.00	30.28	126.540	5,025.85	71.55	-1,994.15	1,901,258.75	1,237,109.24	36.21744247	-107.61725103
5,614.00	33.30	128.100	5,063.25	57.49	-1,975.73	1,901,244.69	1,237,127.66	36.21740457	-107.61718792
5,659.00	36.95	130.480	5,100.05	41.08	-1,955.71	1,901,228.28	1,237,147.68	36.21736028	-107.61711929
5,704.00	40.53	131.200	5,135.14	22.67	-1,934.41	1,901,209.86	1,237,168.97	36.21731052	-107.61704624
5,749.00	45.39	131.280	5,168.07	2.46	-1,911.36	1,901,189.65	1,237,192.03	36.21725591	-107.61696714
5,794.00	51.18	131.150	5,198.00	-19.67	-1,886.10	1,901,167.53	1,237,217.29	36.21719614	-107.61688048
5,839.00	57.82	131.120	5,224.12	-43.75	-1,858.53	1,901,143.44	1,237,244.86	36.21713105	-107.61678586
5,883.00	63.32	131.600	5,245.73	-69.07	-1,829.78	1,901,118.13	1,237,273.61	36.21706264	-107.61668721
5,928.00	68.99	131.780	5,263.91	-96.43	-1,799.05	1,901,090.76	1,237,304.33	36.21698868	-107.61658178
5,935.95	69.94	131.205	5,266.70	-101.36	-1,793.48	1,901,085.83	1,237,309.91	36.21697535	-107.61656265
FTP @ 5935.95 MD 5266.70 TVD									
5,973.00	74.39	128.610	5,278.05	-123.98	-1,766.43	1,901,063.22	1,237,336.96	36.21691429	-107.61646988
6,062.00	82.86	128.618	5,295.58	-178.38	-1,698.31	1,901,008.82	1,237,405.08	36.21676752	-107.61623643
9 5/8" Shoe @ 6062.00 MD 5295.58 TVD									
6,091.00	85.62	128.620	5,298.49	-196.38	-1,675.77	1,900,990.81	1,237,427.62	36.21671894	-107.61615918
6,135.00	88.56	129.510	5,300.73	-224.07	-1,641.66	1,900,963.12	1,237,461.73	36.21664422	-107.61604223
6,223.00	92.05	131.380	5,300.26	-281.15	-1,574.70	1,900,906.05	1,237,528.69	36.21649006	-107.61581258
6,310.00	92.44	131.170	5,296.85	-338.50	-1,509.36	1,900,848.70	1,237,594.02	36.21633509	-107.61558841
6,397.00	90.65	130.620	5,294.51	-395.43	-1,443.63	1,900,791.77	1,237,659.76	36.21618127	-107.61536290
6,483.00	90.37	129.980	5,293.74	-451.05	-1,378.04	1,900,736.14	1,237,725.35	36.21603106	-107.61513796
6,571.00	90.16	129.310	5,293.33	-507.20	-1,310.28	1,900,680.00	1,237,793.11	36.21587948	-107.61490563
6,659.00	90.09	128.960	5,293.14	-562.74	-1,242.02	1,900,624.46	1,237,861.36	36.21572958	-107.61467165
6,747.00	90.61	129.150	5,292.60	-618.18	-1,173.69	1,900,569.01	1,237,929.70	36.21557995	-107.61443741
6,835.00	90.45	129.180	5,291.79	-673.76	-1,105.46	1,900,513.44	1,237,997.92	36.21542996	-107.61420353
6,922.00	90.42	131.680	5,291.13	-730.17	-1,039.25	1,900,457.02	1,238,064.14	36.21527759	-107.61397642
7,010.00	90.99	131.870	5,290.05	-788.79	-973.62	1,900,398.40	1,238,129.76	36.21511913	-107.61375122
7,098.00	91.03	131.520	5,288.50	-847.32	-907.92	1,900,339.88	1,238,195.46	36.21496093	-107.61352577
7,186.00	91.47	131.190	5,286.58	-905.45	-841.88	1,900,281.75	1,238,261.50	36.21480384	-107.61329919
7,273.00	90.35	131.370	5,285.19	-962.84	-776.51	1,900,224.36	1,238,326.87	36.21464875	-107.61307490
7,360.00	91.03	131.430	5,284.15	-1,020.37	-711.26	1,900,166.83	1,238,392.13	36.21449327	-107.61285101
7,449.00	89.91	130.880	5,283.42	-1,078.93	-644.25	1,900,108.26	1,238,459.13	36.21433501	-107.61262113
7,537.00	91.03	131.760	5,282.69	-1,137.03	-578.17	1,900,050.16	1,238,525.22	36.21417800	-107.61239438
7,626.00	89.84	130.560	5,282.02	-1,195.61	-511.16	1,899,991.59	1,238,592.22	36.21401972	-107.61216452
7,714.00	89.92	130.490	5,282.20	-1,252.79	-444.27	1,899,934.41	1,238,659.11	36.21386527	-107.61193510
7,802.00	90.46	130.400	5,281.91	-1,309.87	-377.30	1,899,877.32	1,238,726.08	36.21371107	-107.61170542
7,890.00	90.66	130.430	5,281.05	-1,366.92	-310.31	1,899,820.27	1,238,793.08	36.21355697	-107.61147565
7,978.00	90.88	130.440	5,279.87	-1,423.99	-243.33	1,899,763.20	1,238,860.05	36.21340282	-107.61124595
8,066.00	89.42	130.060	5,279.64	-1,480.85	-176.17	1,899,706.35	1,238,927.22	36.21324926	-107.61101563
8,153.00	89.47	130.090	5,280.48	-1,536.86	-109.60	1,899,650.34	1,238,993.79	36.21309801	-107.61078736
8,241.00	89.70	130.000	5,281.12	-1,593.47	-42.23	1,899,593.72	1,239,061.15	36.21294512	-107.61055636
8,329.00	90.09	129.830	5,281.28	-1,649.94	25.26	1,899,537.26	1,239,128.65	36.21279264	-107.61032493
8,417.00	90.66	129.740	5,280.70	-1,706.25	92.88	1,899,480.95	1,239,196.27	36.21264060	-107.61009308
8,504.00	90.78	129.950	5,279.61	-1,761.99	159.68	1,899,425.21	1,239,263.06	36.21249010	-107.60986407
8,591.00	90.69	129.290	5,278.49	-1,817.46	226.68	1,899,369.74	1,239,330.07	36.21234033	-107.60963434
8,679.00	91.12	129.100	5,277.10	-1,873.07	294.88	1,899,314.13	1,239,398.26	36.21219024	-107.60940060
8,766.00	90.21	130.230	5,276.09	-1,928.59	361.84	1,899,258.60	1,239,465.23	36.21204032	-107.60917102
8,853.00	90.35	129.980	5,275.67	-1,984.64	428.38	1,899,202.56	1,239,531.77	36.21188896	-107.60894284
8,941.00	90.52	129.900	5,275.00	-2,041.13	495.85	1,899,146.07	1,239,599.24	36.21173641	-107.60871151
9,029.00	90.76	129.620	5,274.02	-2,097.41	563.50	1,899,089.79	1,239,666.88	36.21158445	-107.60847959
9,117.00	89.19	130.830	5,274.06	-2,154.24	630.68	1,899,032.96	1,239,734.07	36.21143097	-107.60824920
9,205.00	89.44	130.510	5,275.11	-2,211.58	697.42	1,898,975.62	1,239,800.81	36.21127605	-107.60802030
9,293.00	90.05	130.330	5,275.50	-2,268.64	764.42	1,898,918.56	1,239,867.80	36.21112192	-107.60779055
9,380.00	90.25	130.450	5,275.27	-2,325.01	830.68	1,898,862.19	1,239,934.06	36.21096965	-107.60756331



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,468.00	90.23	129.610	5,274.90	-2,381.61	898.06	1,898,805.59	1,240,001.45	36.21081679	-107.60733227
9,556.00	90.74	129.330	5,274.16	-2,437.55	965.99	1,898,749.65	1,240,069.37	36.21066578	-107.60709941
9,644.00	89.66	130.220	5,273.85	-2,493.85	1,033.62	1,898,693.35	1,240,137.01	36.21051376	-107.60686754
9,732.00	88.61	128.770	5,275.18	-2,549.81	1,101.52	1,898,637.39	1,240,204.90	36.21036268	-107.60663479
9,820.00	88.91	130.900	5,277.08	-2,606.16	1,169.08	1,898,581.04	1,240,272.46	36.21021051	-107.60640318
9,907.00	89.19	130.510	5,278.53	-2,662.89	1,235.02	1,898,524.31	1,240,338.40	36.21005724	-107.60617701
9,994.00	89.56	130.100	5,279.48	-2,719.17	1,301.36	1,898,468.03	1,240,404.74	36.20990524	-107.60594951
10,081.00	89.95	129.720	5,279.85	-2,774.98	1,368.09	1,898,412.22	1,240,471.48	36.20975451	-107.60572072
10,169.00	90.37	131.450	5,279.60	-2,832.23	1,434.92	1,898,354.97	1,240,538.30	36.20959985	-107.60549153
10,255.00	90.71	131.300	5,278.79	-2,889.07	1,499.45	1,898,298.13	1,240,602.84	36.20944622	-107.60527015
10,343.00	90.87	130.980	5,277.58	-2,946.96	1,565.72	1,898,240.24	1,240,669.10	36.20928978	-107.60504284
10,431.00	91.04	130.690	5,276.11	-3,004.50	1,632.29	1,898,182.70	1,240,735.67	36.20913432	-107.60481451
10,518.00	91.13	130.270	5,274.46	-3,060.97	1,698.45	1,898,126.23	1,240,801.84	36.20898178	-107.60458762
10,605.00	90.83	129.480	5,272.98	-3,116.74	1,765.21	1,898,070.47	1,240,868.59	36.20883118	-107.60435875
10,692.00	90.24	131.620	5,272.16	-3,173.29	1,831.31	1,898,013.91	1,240,934.69	36.20867840	-107.60413207
10,780.00	90.42	131.270	5,271.66	-3,231.54	1,897.27	1,897,955.67	1,241,000.65	36.20852096	-107.60390578
10,868.00	90.20	130.650	5,271.18	-3,289.22	1,963.73	1,897,897.98	1,241,067.11	36.20836508	-107.60367785
10,956.00	90.05	129.980	5,270.99	-3,346.16	2,030.83	1,897,841.05	1,241,134.21	36.20821129	-107.60344777
11,043.00	90.38	131.490	5,270.66	-3,402.93	2,096.75	1,897,784.28	1,241,200.13	36.20805790	-107.60322169
11,131.00	90.45	131.030	5,270.03	-3,460.96	2,162.90	1,897,726.24	1,241,266.28	36.20790106	-107.60299477
11,219.00	90.46	130.800	5,269.33	-3,518.59	2,229.39	1,897,668.61	1,241,332.78	36.20774533	-107.60276670
11,307.00	90.50	130.550	5,268.59	-3,575.94	2,296.13	1,897,611.26	1,241,399.51	36.20759037	-107.60253782
11,395.00	90.34	129.950	5,267.94	-3,632.80	2,363.30	1,897,554.40	1,241,466.68	36.20743679	-107.60230753
11,482.00	90.19	129.630	5,267.54	-3,688.48	2,430.15	1,897,498.72	1,241,533.53	36.20728644	-107.60207836
11,569.00	91.06	131.070	5,266.59	-3,744.80	2,496.44	1,897,442.40	1,241,599.82	36.20713429	-107.60185104
11,657.00	91.07	130.710	5,264.96	-3,802.40	2,562.96	1,897,384.81	1,241,666.34	36.20697866	-107.60162291
11,745.00	90.87	130.020	5,263.47	-3,859.38	2,630.00	1,897,327.82	1,241,733.38	36.20682472	-107.60139304
11,834.00	91.11	129.710	5,261.93	-3,916.42	2,698.30	1,897,270.78	1,241,801.68	36.20667069	-107.60115888
11,922.00	90.83	129.090	5,260.44	-3,972.27	2,766.29	1,897,214.93	1,241,869.67	36.20651991	-107.60092584
12,010.00	88.96	129.470	5,260.60	-4,027.98	2,834.40	1,897,159.22	1,241,937.78	36.20636951	-107.60069239
12,098.00	90.68	130.220	5,260.88	-4,084.36	2,901.96	1,897,102.84	1,242,005.34	36.20621726	-107.60046078
12,186.00	90.82	129.690	5,259.73	-4,140.87	2,969.41	1,897,046.34	1,242,072.79	36.20606465	-107.60022954
12,273.00	90.84	131.060	5,258.47	-4,197.22	3,035.68	1,896,989.99	1,242,139.06	36.20591242	-107.60000231
12,361.00	89.60	129.730	5,258.13	-4,254.24	3,102.70	1,896,932.96	1,242,206.08	36.20575837	-107.59977252
12,448.00	91.09	130.960	5,257.60	-4,310.56	3,169.00	1,896,876.64	1,242,272.38	36.20560623	-107.59954518
12,535.00	91.41	130.540	5,255.71	-4,367.34	3,234.90	1,896,819.86	1,242,338.28	36.20545282	-107.59931921
12,623.00	90.48	129.450	5,254.25	-4,423.89	3,302.30	1,896,763.31	1,242,405.68	36.20530008	-107.59908812
12,710.00	90.66	131.050	5,253.39	-4,480.10	3,368.70	1,896,707.11	1,242,472.08	36.20514825	-107.59886048
12,798.00	91.52	130.670	5,251.71	-4,537.66	3,435.24	1,896,649.55	1,242,538.62	36.20499271	-107.59863227
12,884.00	91.75	130.540	5,249.26	-4,593.61	3,500.51	1,896,593.60	1,242,603.88	36.20484155	-107.59840847
12,972.00	90.88	131.870	5,247.24	-4,651.56	3,566.69	1,896,535.64	1,242,670.07	36.20468491	-107.59818145
13,060.00	90.83	131.210	5,245.93	-4,709.91	3,632.55	1,896,477.30	1,242,735.93	36.20452718	-107.59795552
13,147.00	90.89	130.900	5,244.62	-4,767.04	3,698.15	1,896,420.16	1,242,801.53	36.20437277	-107.59773054
13,235.00	90.80	130.290	5,243.32	-4,824.30	3,764.97	1,896,362.91	1,242,868.34	36.20421807	-107.59750143
13,322.00	90.15	128.940	5,242.60	-4,879.77	3,831.98	1,896,307.44	1,242,935.36	36.20406829	-107.59727173
13,410.00	89.78	130.600	5,242.66	-4,936.06	3,899.62	1,896,251.14	1,243,002.99	36.20391627	-107.59703988
13,497.00	89.37	130.350	5,243.30	-4,992.53	3,965.80	1,896,194.67	1,243,069.17	36.20376370	-107.59681297
13,584.00	89.21	132.190	5,244.38	-5,049.91	4,031.18	1,896,137.29	1,243,134.55	36.20360861	-107.59658871
13,672.00	89.76	132.170	5,245.17	-5,109.00	4,096.39	1,896,078.21	1,243,199.76	36.20344882	-107.59636496
13,760.00	89.78	131.700	5,245.52	-5,167.81	4,161.85	1,896,019.40	1,243,265.23	36.20328981	-107.59614037
13,848.00	90.23	131.600	5,245.52	-5,226.29	4,227.60	1,895,960.92	1,243,330.98	36.20313170	-107.59591480
13,935.00	90.41	131.150	5,245.03	-5,283.79	4,292.89	1,895,903.41	1,243,396.26	36.20297626	-107.59569087
14,023.00	90.70	130.890	5,244.18	-5,341.55	4,359.28	1,895,845.66	1,243,462.65	36.20282017	-107.59546318
14,110.00	90.70	130.500	5,243.12	-5,398.27	4,425.24	1,895,788.94	1,243,528.61	36.20266690	-107.59523701
14,198.00	89.54	129.230	5,242.93	-5,454.67	4,492.78	1,895,732.53	1,243,596.15	36.20251457	-107.59500549



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,286.00	88.46	129.210	5,244.47	-5,510.31	4,560.94	1,895,676.90	1,243,664.32	36.20236438	-107.59477189
14,373.00	88.92	131.000	5,246.46	-5,566.33	4,627.47	1,895,620.87	1,243,730.84	36.20221304	-107.59454384
14,461.00	89.15	130.700	5,247.94	-5,623.89	4,694.02	1,895,563.32	1,243,797.40	36.20205751	-107.59431560
14,549.00	89.44	130.550	5,249.02	-5,681.18	4,760.81	1,895,506.03	1,243,864.18	36.20190271	-107.59408660
14,637.00	89.95	130.290	5,249.49	-5,738.24	4,827.80	1,895,448.97	1,243,931.18	36.20174856	-107.59385691
14,724.00	89.90	130.060	5,249.60	-5,794.36	4,894.28	1,895,392.85	1,243,997.65	36.20159694	-107.59362902
14,812.00	90.21	129.890	5,249.52	-5,850.90	4,961.71	1,895,336.31	1,244,065.09	36.20144424	-107.59339785
14,899.00	90.31	129.610	5,249.12	-5,906.53	5,028.60	1,895,280.68	1,244,131.98	36.20129400	-107.59316859
14,987.00	89.07	131.440	5,249.60	-5,963.70	5,095.49	1,895,223.50	1,244,198.86	36.20113952	-107.59293926
15,075.00	89.27	131.070	5,250.88	-6,021.73	5,161.64	1,895,165.48	1,244,265.01	36.20098268	-107.59271239
15,163.00	89.13	130.650	5,252.10	-6,079.29	5,228.18	1,895,107.92	1,244,331.56	36.20082711	-107.59248418
15,250.00	89.33	130.470	5,253.27	-6,135.86	5,294.27	1,895,051.35	1,244,397.65	36.20067427	-107.59225758
15,338.00	89.40	130.100	5,254.25	-6,192.75	5,361.40	1,894,994.46	1,244,464.77	36.20052057	-107.59202746
15,426.00	88.62	129.270	5,255.77	-6,248.94	5,429.11	1,894,938.27	1,244,532.48	36.20036883	-107.59179538
15,514.00	89.77	130.620	5,257.01	-6,305.43	5,496.57	1,894,881.78	1,244,599.94	36.20021625	-107.59156416
15,602.00	89.43	129.680	5,257.62	-6,362.17	5,563.83	1,894,825.04	1,244,667.20	36.20006297	-107.59133358
15,689.00	90.99	132.240	5,257.30	-6,419.19	5,629.52	1,894,768.01	1,244,732.89	36.19990885	-107.59110832
15,777.00	90.79	131.470	5,255.93	-6,477.90	5,695.06	1,894,709.30	1,244,798.43	36.19975010	-107.59088349
15,865.00	90.68	131.250	5,254.81	-6,536.05	5,761.10	1,894,651.16	1,244,864.48	36.19959292	-107.59065698
15,952.00	90.68	131.040	5,253.77	-6,593.29	5,826.61	1,894,593.92	1,244,929.99	36.19943821	-107.59043232
16,040.00	90.70	130.660	5,252.71	-6,650.84	5,893.17	1,894,536.37	1,244,996.55	36.19928267	-107.59020408
16,128.00	90.41	130.170	5,251.86	-6,707.89	5,960.17	1,894,479.32	1,245,063.54	36.19912853	-107.58997439
16,216.00	90.00	129.530	5,251.55	-6,764.28	6,027.73	1,894,422.93	1,245,131.10	36.19897623	-107.58974283
16,302.00	89.92	129.020	5,251.61	-6,818.72	6,094.30	1,894,368.49	1,245,197.68	36.19882924	-107.58951470
16,390.00	89.57	128.280	5,252.00	-6,873.68	6,163.03	1,894,313.53	1,245,266.40	36.19868090	-107.58927926
16,477.00	88.72	130.880	5,253.30	-6,929.10	6,230.07	1,894,258.11	1,245,333.44	36.19853123	-107.58904951
16,565.00	88.82	130.330	5,255.18	-6,986.36	6,296.86	1,894,200.85	1,245,400.24	36.19837651	-107.58882050
16,652.00	88.49	129.940	5,257.23	-7,042.43	6,363.36	1,894,144.78	1,245,466.73	36.19822505	-107.58859256
16,740.00	89.67	131.290	5,258.64	-7,099.70	6,430.15	1,894,087.51	1,245,533.52	36.19807028	-107.58836357
16,828.00	89.31	130.310	5,259.42	-7,157.20	6,496.76	1,894,030.01	1,245,600.13	36.19791489	-107.58813517
16,915.00	91.17	132.800	5,259.06	-7,214.90	6,561.86	1,893,972.31	1,245,665.23	36.19775889	-107.58791191
17,003.00	91.43	132.110	5,257.06	-7,274.29	6,626.77	1,893,912.92	1,245,730.14	36.19759825	-107.58768919
17,091.00	90.92	131.290	5,255.26	-7,332.82	6,692.45	1,893,854.39	1,245,795.83	36.19744000	-107.58746387
17,179.00	90.95	131.100	5,253.82	-7,390.77	6,758.66	1,893,796.44	1,245,862.03	36.19728335	-107.58723682
17,267.00	90.79	130.780	5,252.49	-7,448.42	6,825.13	1,893,738.79	1,245,928.50	36.19712752	-107.58700891
17,354.00	89.53	131.270	5,252.24	-7,505.53	6,890.76	1,893,681.68	1,245,994.13	36.19697317	-107.58678386
17,442.00	89.44	130.910	5,253.03	-7,563.36	6,957.08	1,893,623.85	1,246,060.46	36.19681684	-107.58655644
17,530.00	89.25	130.550	5,254.04	-7,620.78	7,023.77	1,893,566.43	1,246,127.14	36.19666168	-107.58632782
17,617.00	89.27	130.360	5,255.16	-7,677.22	7,089.96	1,893,509.99	1,246,193.33	36.19650916	-107.58610089
17,705.00	88.82	129.540	5,256.63	-7,733.72	7,157.41	1,893,453.49	1,246,260.78	36.19635655	-107.58586971
17,793.00	89.21	131.170	5,258.14	-7,790.69	7,224.46	1,893,396.52	1,246,327.83	36.19620262	-107.58563987
17,880.00	89.28	130.680	5,259.29	-7,847.68	7,290.19	1,893,339.53	1,246,393.56	36.19604860	-107.58541450
17,967.00	89.34	130.440	5,260.34	-7,904.25	7,356.28	1,893,282.96	1,246,459.65	36.19589574	-107.58518792
18,055.00	89.43	130.120	5,261.28	-7,961.14	7,423.41	1,893,226.07	1,246,526.78	36.19574203	-107.58495781
18,142.00	89.10	129.550	5,262.40	-8,016.86	7,490.21	1,893,170.35	1,246,593.58	36.19559151	-107.58472886
18,230.00	89.23	129.030	5,263.68	-8,072.58	7,558.31	1,893,114.63	1,246,661.68	36.19544106	-107.58449552
18,317.00	89.68	128.810	5,264.51	-8,127.24	7,626.00	1,893,059.98	1,246,729.36	36.19529351	-107.58426364
18,395.00	88.80	128.060	5,265.54	-8,175.72	7,687.09	1,893,011.49	1,246,790.46	36.19516267	-107.58405438
Survey @ 18395.00 MD 5265.54 TVD									
18,404.90	88.80	128.060	5,265.75	-8,181.82	7,694.88	1,893,005.39	1,246,798.25	36.19514621	-107.58402769
LTP @ 18404.90 MD 5265.75 TVD									
18,454.00	88.80	128.060	5,266.78	-8,212.08	7,733.53	1,892,975.13	1,246,836.90	36.19506455	-107.58389532
Survey proj. to 18454 MD 5266.78 TVD 1640 FSL 1460 FWL									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well North Alamito Unit 106 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 106 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
440.00	440.00	0.22	-0.53	MWD surveys
5,935.95	5,266.70	-101.36	-1,793.48	FTP @ 5935.95 MD 5266.70 TVD
6,062.00	5,295.58	-178.38	-1,698.31	9 5/8" Shoe @ 6062.00 MD 5295.58 TVD
18,395.00	5,265.54	-8,175.72	7,687.09	Survey @ 18395.00 MD 5265.54 TVD
18,404.90	5,265.75	-8,181.82	7,694.88	LTP @ 18404.90 MD 5265.75 TVD
18,454.00	5,266.78	-8,212.08	7,733.53	Survey proj. to 18454 MD 5266.78 TVD 1640 FSL 1460 FWL

WELL NAME: NORTH ALAMITO UNIT 106H

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

API Number: 30-043-21508

AFE Number: DV03212

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 897 ft FNL 1,158 ft FEL

BH Location: 28-23N-07W Sec-Twn- Rng 1670 ft FNL 1421 ft FEL

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).

QUICK REFERENCE	
Sur TD (MD)	409 ft
Int TD (MD)	6,073 ft
KOP (MD)	4,961 ft
KOP (TVD)	4,448 ft
Target (TVD)	5,269 ft
Curve BUR	10 °/100 ft
POE (MD)	5,964 ft
TD (MD)	18,454 ft
Lat Len (ft)	12,473 ft

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	409	9.625	36	K-55	STC	0	404
Intermediate	8.750	6,073	7	26.0	K-55	LTC	0	6,062
Production	6.125	18,454	4.500	11.6	P-110	BTC	5,906	18,444

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	109
Inter. (Lead)	III:POZ Blend	12.5	2.15	12	0.1668	70%	0	628
Inter. (Tail)	Type III	13.5	1.71	8.88	0.1503	20%	4,300	6,062
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%	5,906	1,011

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	1,080
Kirtland	1,186	1,202
Fruitland	1,356	1,388
Pictured Cliffs	1,692	1,774
Lewis	1,847	1,954
Chacra	2,097	2,243
Cliff House	3,184	3,500
Menefee	3,225	3,546
Point Lookout	4,056	4,507
Mancos	4,266	4,750
Gallup (MNCS_A)	4,605	5,130
MNCS_B	4,705	5,233
MNCS_C	4,792	5,321
MNCS_Cms	4,837	5,367
MNCS_D	4,962	5,500
MNCS_E	5,073	5,632
MNCS_F	5,127	5,702
MNCS_G	5,201	5,816
MNCS_H	5,261	5,940
MNCS_I	5,285	6,018
FTP TARGET	5,269	5,964
PROJECTED TD	5,265	18,437

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

Action 361564

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 361564
	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.

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 361564

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 361564
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 10/12/2024.	7/8/2024