

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

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Enduring Resources IV LLC. 200 Energy Court Farmington NM 87401		² OGRID Number 372286	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30-045-38264	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 321259	⁸ Property Name W LYBROOK UNIT		⁹ Well Number #758H

II. ¹⁰ Surface Location

UL or lot no. J	Section 23	Township 23N	Range 9W	Lot Idn	Feet from the 2611’	North/South Line South	Feet from the 2127’	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. D	Section 15	Township 23N	Range 9W	Lot Idn	Feet from the 173’	North/South line North	Feet from the 1318’	East/West line West	County San Juan
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 1/7/2022		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
373888	HARVEST FOUR CORNERS. LLC	G

IV. Well Completion Data

²¹ Spud Date 8/4/2021	²² Ready Date 1/7/2022	²³ TD 15734’ MD 4719’ TVD	²⁴ PBDT 15456’ MD 4732’ TVD	²⁵ Perforations ~ 5076’-15456’ MD ~ 4686’-4732’ TVD	²⁶ DHC, MC R-14051
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17-1/2”		13-3/8”,54.5#, J-55		365’ MD	350 sx - surface
12-1/4”		9-5/8”,36#, J-55		2705’ MD	644 sx- surface
8-1/2”		5-1/2”,17#, P-110		15573’ MD	2456 sx- surface

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: 	OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ
Printed name: Costin McQueen	Title: PETROLEUM SPECIALIST
Title: Consultant, Geologist	Approval Date: 3/10/2022
E-mail Address: Costin.McQueen@wsp.com	RT EXPIRES 4/7/2022
Date: 12/22/2021	

Submit one copy to
Appropriate District OfficeOIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38264	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 321259	⁵ Property Name W LYBROOK UNIT	⁶ Well Number 758H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6719'

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
J	23	23N	9W		2611	SOUTH	2127	EAST	SAN JUAN

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
D	15	23N	9W		173	NORTH	1318	WEST	SAN JUAN

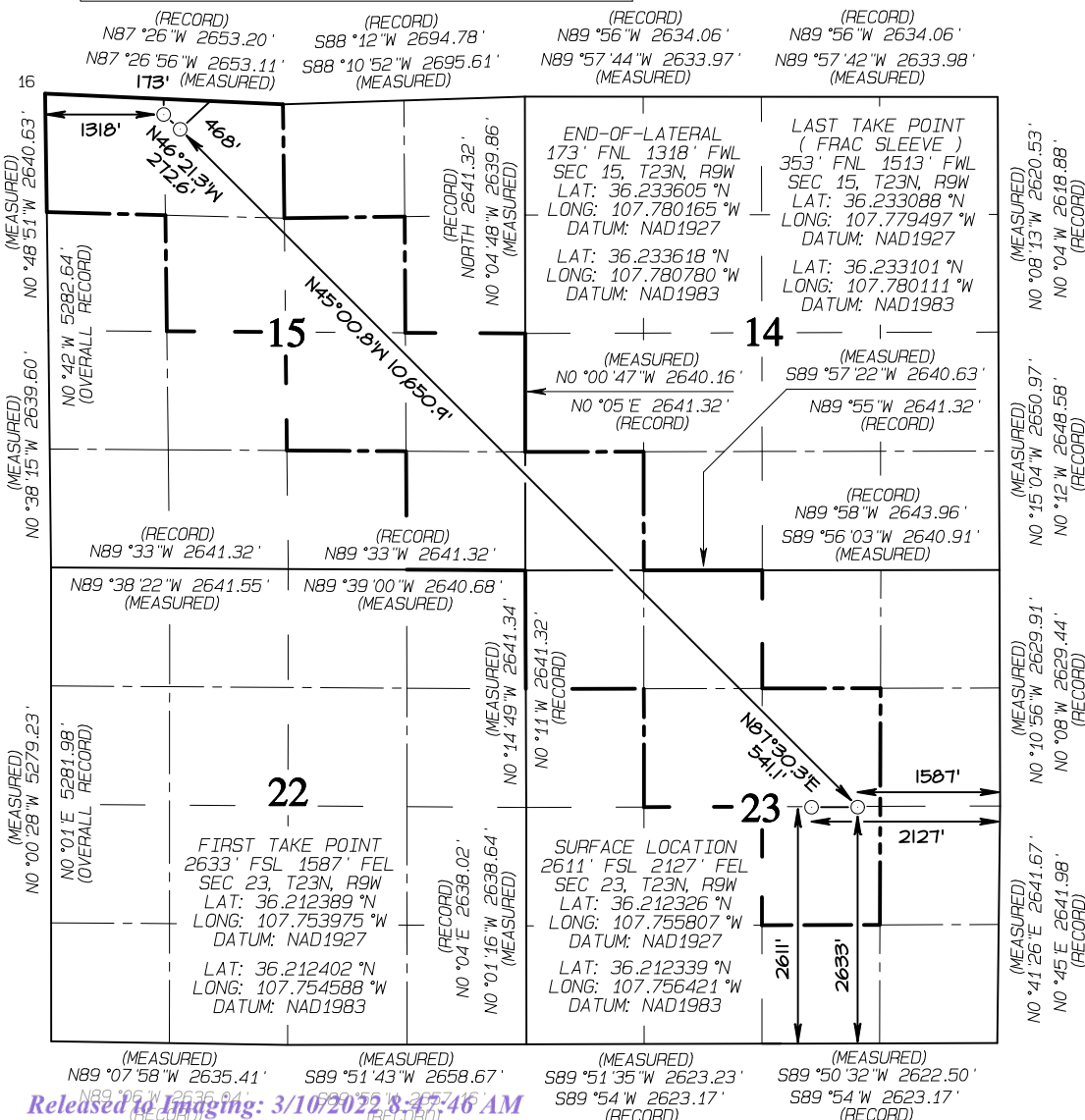
¹² Dedicated Acres

520.00 SW/4 SW/4 - Section 14
NW/4 NW/4, E/2 NW/4, SW/4 NE/4
N/2 SE/4, SE/4 SE/4 - Section 15
N/2 NW/4, SE/4 NW/4
SW/4 NE/4, NW/4 SE/4 - Section 23

¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

R-14051 - 12,807.24 Acres

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

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.

Signature: Heather Huntington Date: 12/13/21

Printed Name: Heather Huntington
 E-mail Address: hhuntington@enduringresources.com

¹⁸ 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.

Date Revised: DECEMBER 11, 2021
 Survey Date: OCTOBER 19, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
 Certificate Number 15269



Well: W Lybrook Unit No. 758H
Site: W Lybrook Unit
Project: San Juan County, New Mexico NAD83 NM W
Design: Surveys Original Hole
Rig: Ensign 733

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	V Sect	Annotation
419.00	0.70	262.69	418.99	-0.33	-2.54	1.56	MWD surveys
2695.00	24.04	104.74	2649.66	-63.64	303.44	-259.56	9 5/8" Casing @ 2695.00 MD 2649.66 TVD
4781.00	53.42	315.94	4579.82	23.52	540.62	-365.64	FTP MNCS_G top @ 4781.00 MD 4579.82 TVD
15461.00	92.39	313.95	4732.70	7553.06	-6992.56	10285.31	Frac sleeve @ 15461.00 MD 4732.70 TVD
15591.00	93.16	313.58	4726.62	7642.80	-7086.41	10415.13	Survey @ 15591.00 MD 4726.62 TVD
15618.00	93.16	313.58	4725.13	7661.39	-7105.94	10442.08	LTP 330 perp @ 15618 MD 4725 TVD
15734.00	93.16	313.58	4718.74	7741.23	-7189.85	10557.87	Survey Proj. to 15734.00 MD 4718.74 TVD



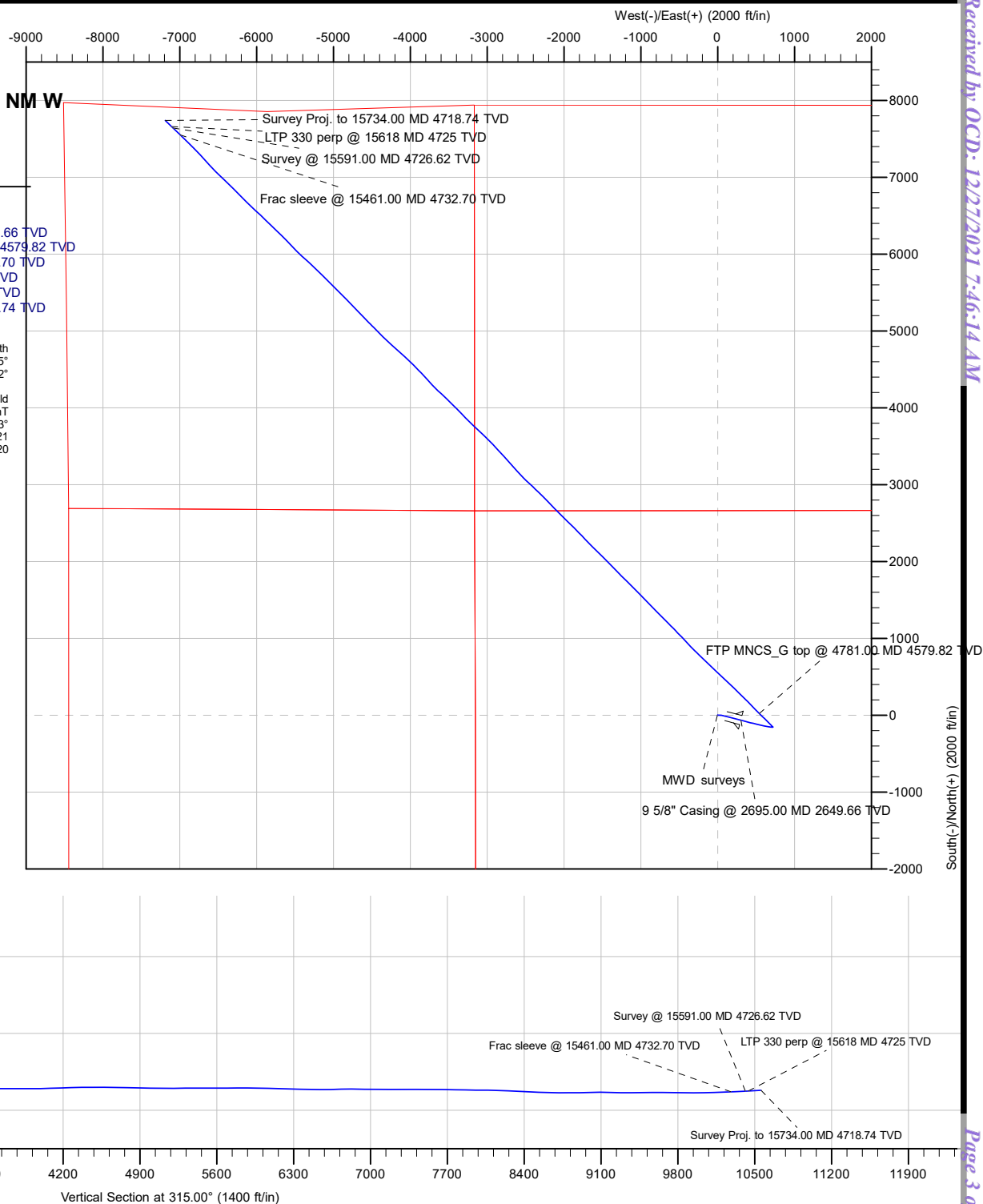
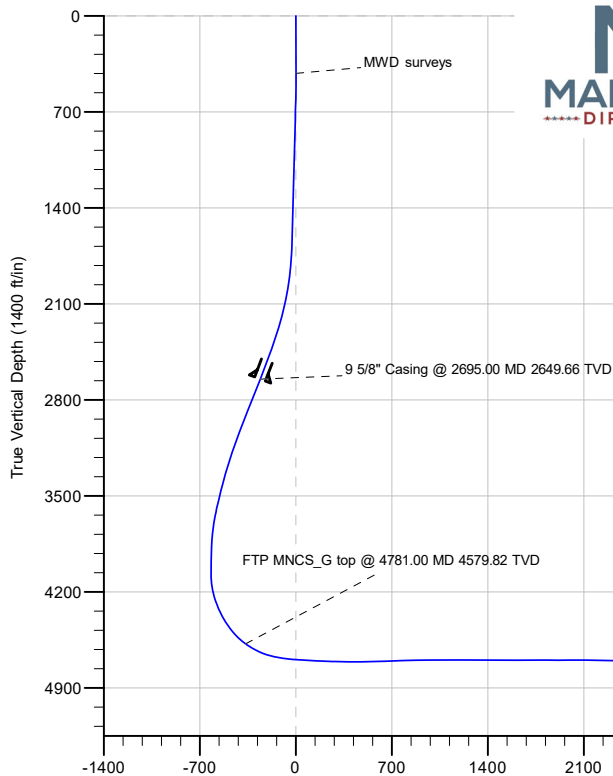
Azimuths to Grid North
 True North: -0.05°
 Magnetic North: 8.72°

Magnetic Field
 Strength: 49260.1nT
 Dip Angle: 62.73°
 Date: 10/30/2021
 Model: IGRF2020

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone

System Datum: Mean Sea Level
 Depth Reference: RKB=6719+28 @ 6747.00ft (Ensign 733)
 Northing Easting Latitude Longitude
 1896598.087 2745780.224 36.212339000 -107.756421000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.723°





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Project	San Juan County, New Mexico NAD83 NM W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site		W Lybrook Unit			
Site Position:		Northing:	1,897,416.802 usft	Latitude:	36.214585000
From:	Lat/Long	Easting:	2,747,156.265 usft	Longitude:	-107.751754000
Position Uncertainty:		0.00 ft	Slot Radius:	13-3/16 "	

Well	W Lybrook Unit No. 758H, Surf loc: 2611 FSL 2127 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,896,598.087 usft	Latitude:	36.212339000
	+E/-W	0.00 ft	Easting:	2,745,780.223 usft	Longitude:	-107.756421000
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,719.00 ft
Grid Convergence:		0.045 °				

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/30/2021	8.769	62.734	49,260.11791863

Design	Surveys Original Hole				
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		315.00

Survey Program	Date	12/7/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
419.00	2,605.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,645.00	15,591.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
15,734.00	15,734.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
419.00	0.70	262.69	418.99	-0.33	-2.54	1.56	0.17	0.17	0.00	
MWD surveys										
510.00	0.79	74.60	509.99	-0.23	-2.49	1.59	1.63	0.10	188.91	
601.00	2.20	81.63	600.95	0.19	-0.15	0.24	1.56	1.55	7.73	
692.00	2.37	81.98	691.88	0.71	3.44	-1.93	0.19	0.19	0.38	
784.00	2.33	81.81	783.80	1.24	7.17	-4.20	0.04	-0.04	-0.18	
875.00	2.15	84.71	874.73	1.66	10.70	-6.39	0.23	-0.20	3.19	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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)
965.00	2.07	84.00	964.67	1.99	14.00	-8.50	0.09	-0.09	-0.79
1,056.00	2.37	87.08	1,055.61	2.25	17.52	-10.79	0.35	0.33	3.38
1,148.00	2.50	90.42	1,147.52	2.34	21.42	-13.50	0.21	0.14	3.63
1,238.00	2.20	93.85	1,237.45	2.21	25.11	-16.19	0.37	-0.33	3.81
1,326.00	2.15	94.73	1,325.38	1.96	28.44	-18.73	0.07	-0.06	1.00
1,416.00	1.93	88.84	1,415.33	1.85	31.64	-21.06	0.34	-0.24	-6.54
1,509.00	1.85	90.33	1,508.28	1.87	34.70	-23.22	0.10	-0.09	1.60
1,601.00	1.85	84.27	1,600.23	2.01	37.67	-25.21	0.21	0.00	-6.59
1,693.00	3.34	96.84	1,692.13	1.84	41.80	-28.26	1.72	1.62	13.66
1,783.00	5.14	99.47	1,781.88	0.86	48.38	-33.60	2.01	2.00	2.92
1,873.00	7.51	102.11	1,871.33	-1.03	58.11	-41.82	2.65	2.63	2.93
1,966.00	10.33	101.76	1,963.19	-4.01	72.22	-53.90	3.03	3.03	-0.38
2,057.00	12.96	103.78	2,052.31	-8.10	90.12	-69.46	2.92	2.89	2.22
2,147.00	15.16	106.59	2,139.61	-13.87	111.21	-88.44	2.56	2.44	3.12
2,238.00	17.58	105.89	2,226.92	-21.03	135.83	-110.92	2.67	2.66	-0.77
2,330.00	20.52	103.87	2,313.87	-28.70	164.85	-136.86	3.27	3.20	-2.20
2,422.00	22.50	103.78	2,399.46	-36.76	197.61	-165.72	2.15	2.15	-0.10
2,513.00	23.38	104.13	2,483.26	-45.31	232.03	-196.11	0.98	0.97	0.38
2,605.00	24.04	104.31	2,567.49	-54.40	267.89	-227.90	0.72	0.72	0.20
2,645.00	24.13	104.57	2,604.01	-58.47	283.70	-241.95	0.35	0.23	0.65
2,695.00	24.04	104.74	2,649.66	-63.64	303.44	-259.56	0.23	-0.18	0.34
9 5/8" Casing @ 2695.00 MD 2649.66 TVD									
2,722.00	23.99	104.83	2,674.32	-66.44	314.06	-269.06	0.23	-0.18	0.34
2,816.00	23.42	104.04	2,760.39	-75.86	350.66	-301.60	0.69	-0.61	-0.84
2,911.00	25.27	105.10	2,846.94	-85.73	388.55	-335.37	2.00	1.95	1.12
3,005.00	25.00	104.75	2,932.04	-96.01	427.13	-369.92	0.33	-0.29	-0.37
3,100.00	24.13	103.60	3,018.44	-105.69	465.42	-403.83	1.04	-0.92	-1.21
3,194.00	22.98	103.25	3,104.61	-114.41	501.96	-435.84	1.23	-1.22	-0.37
3,288.00	21.93	103.52	3,191.48	-122.72	536.89	-466.41	1.12	-1.12	0.29
3,383.00	20.21	101.50	3,280.12	-130.14	570.22	-495.23	1.97	-1.81	-2.13
3,477.00	18.19	102.46	3,368.89	-136.54	600.46	-521.14	2.17	-2.15	1.02
3,572.00	16.44	100.79	3,459.58	-142.26	628.15	-544.76	1.91	-1.84	-1.76
3,666.00	16.48	100.70	3,549.73	-147.23	654.31	-566.77	0.05	0.04	-0.10
3,761.00	13.45	99.30	3,641.50	-151.51	678.46	-586.88	3.21	-3.19	-1.47
3,855.00	9.40	97.01	3,733.62	-154.22	696.88	-601.82	4.33	-4.31	-2.44
3,950.00	5.27	92.71	3,827.82	-155.37	708.94	-611.16	4.38	-4.35	-4.53
4,044.00	2.29	80.23	3,921.61	-155.26	715.11	-615.44	3.27	-3.17	-13.28
4,138.00	1.89	75.65	4,015.54	-154.55	718.46	-617.31	0.46	-0.43	-4.87
4,169.00	1.76	78.56	4,046.53	-154.33	719.42	-617.84	0.51	-0.42	9.39
4,201.00	1.05	20.81	4,078.52	-153.96	720.01	-617.99	4.66	-2.22	-180.47
4,233.00	3.56	324.21	4,110.49	-152.88	719.53	-616.89	9.71	7.84	-176.88
4,264.00	7.34	318.94	4,141.35	-150.61	717.66	-613.96	12.29	12.19	-17.00
4,296.00	10.50	316.65	4,172.96	-146.94	714.32	-609.01	9.94	9.88	-7.16
4,327.00	13.10	316.04	4,203.30	-142.36	709.94	-602.67	8.40	8.39	-1.97



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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)
4,358.00	15.69	314.10	4,233.32	-136.91	704.49	-594.96	8.50	8.35	-6.26
4,390.00	18.46	312.96	4,263.91	-130.45	697.67	-585.57	8.72	8.66	-3.56
4,421.00	21.09	312.61	4,293.08	-123.33	689.98	-575.09	8.49	8.48	-1.13
4,453.00	23.55	313.49	4,322.68	-115.03	681.10	-562.95	7.76	7.69	2.75
4,484.00	25.62	315.95	4,350.87	-105.95	671.95	-550.05	7.45	6.68	7.94
4,516.00	27.91	317.71	4,379.44	-95.43	662.09	-535.65	7.57	7.16	5.50
4,547.00	30.72	317.35	4,406.47	-84.24	651.85	-520.49	9.08	9.06	-1.16
4,579.00	33.75	316.74	4,433.53	-71.75	640.21	-503.44	9.52	9.47	-1.91
4,610.00	36.61	315.16	4,458.87	-58.92	627.79	-485.58	9.68	9.23	-5.10
4,642.00	39.51	313.22	4,484.06	-45.18	613.64	-465.86	9.80	9.06	-6.06
4,673.00	42.50	311.82	4,507.45	-31.44	598.65	-445.54	10.09	9.65	-4.52
4,705.00	45.62	311.82	4,530.45	-16.61	582.07	-423.33	9.75	9.75	0.00
4,736.00	48.74	313.58	4,551.52	-1.18	565.36	-400.61	10.89	10.06	5.68
4,768.00	51.94	315.60	4,571.94	16.11	547.83	-375.98	11.12	10.00	6.31
4,781.00	53.42	315.94	4,579.82	23.52	540.62	-365.64	11.54	11.35	2.62
FTP MNCS_G top @ 4781.00 MD 4579.82 TVD									
4,799.00	55.46	316.39	4,590.29	34.08	530.48	-351.01	11.54	11.36	2.50
4,830.00	60.21	316.56	4,606.79	53.11	512.41	-324.78	15.33	15.32	0.55
4,862.00	63.11	316.48	4,621.97	73.54	493.04	-296.63	9.07	9.06	-0.25
4,893.00	64.16	316.65	4,635.74	93.71	473.94	-268.86	3.42	3.39	0.55
4,925.00	67.98	316.12	4,648.72	114.88	453.77	-239.63	12.03	11.94	-1.66
4,956.00	71.85	315.60	4,659.36	135.77	433.49	-210.52	12.58	12.48	-1.68
4,988.00	75.10	315.25	4,668.46	157.62	411.96	-179.85	10.21	10.16	-1.09
5,019.00	78.31	315.25	4,675.59	179.04	390.73	-149.68	10.35	10.35	0.00
5,051.00	80.60	315.07	4,681.45	201.35	368.55	-118.23	7.18	7.16	-0.56
5,082.00	82.27	314.81	4,686.06	223.00	346.85	-87.57	5.45	5.39	-0.84
5,177.00	87.06	314.10	4,694.89	289.22	279.35	6.98	5.10	5.04	-0.75
5,272.00	86.44	313.40	4,700.28	354.81	210.84	101.81	0.98	-0.65	-0.74
5,366.00	86.22	313.14	4,706.30	419.11	142.53	195.57	0.36	-0.23	-0.28
5,460.00	89.91	314.37	4,709.47	484.07	74.69	289.48	4.14	3.93	1.31
5,554.00	89.87	313.31	4,709.65	549.18	6.89	383.46	1.13	-0.04	-1.13
5,649.00	89.25	312.70	4,710.38	613.97	-62.58	478.39	0.92	-0.65	-0.64
5,743.00	92.24	314.45	4,709.16	678.75	-130.67	572.34	3.69	3.18	1.86
5,837.00	91.93	314.37	4,705.74	744.49	-197.77	666.28	0.34	-0.33	-0.09
5,950.00	91.36	313.14	4,702.49	822.60	-279.36	779.20	1.20	-0.50	-1.09
6,045.00	91.89	317.27	4,699.80	889.97	-346.25	874.14	4.38	0.56	4.35
6,140.00	91.10	317.35	4,697.32	959.78	-410.64	969.03	0.84	-0.83	0.08
6,234.00	89.52	314.81	4,696.81	1,027.48	-475.83	1,063.00	3.18	-1.68	-2.70
6,329.00	91.10	317.00	4,696.30	1,095.70	-541.93	1,157.98	2.84	1.66	2.31
6,424.00	89.21	314.72	4,696.04	1,163.86	-608.08	1,252.96	3.12	-1.99	-2.40
6,518.00	88.42	313.22	4,697.98	1,229.11	-675.72	1,346.92	1.80	-0.84	-1.60
6,613.00	90.66	316.65	4,698.75	1,296.19	-742.95	1,441.90	4.31	2.36	3.61
6,707.00	90.22	317.09	4,698.03	1,364.79	-807.22	1,535.84	0.66	-0.47	0.47



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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)
6,802.00	90.04	316.04	4,697.81	1,433.78	-872.53	1,630.80	1.12	-0.19	-1.11
6,896.00	89.87	314.98	4,697.88	1,500.83	-938.40	1,724.80	1.14	-0.18	-1.13
6,991.00	89.56	313.93	4,698.36	1,567.36	-1,006.21	1,819.79	1.15	-0.33	-1.11
7,085.00	90.31	316.48	4,698.46	1,634.06	-1,072.44	1,913.78	2.83	0.80	2.71
7,180.00	89.82	315.77	4,698.36	1,702.54	-1,138.28	2,008.76	0.91	-0.52	-0.75
7,275.00	88.86	312.70	4,699.45	1,768.80	-1,206.33	2,103.74	3.39	-1.01	-3.23
7,369.00	89.47	316.21	4,700.82	1,834.62	-1,273.41	2,197.71	3.79	0.65	3.73
7,464.00	89.43	316.21	4,701.73	1,903.19	-1,339.15	2,292.68	0.04	-0.04	0.00
7,558.00	89.17	315.33	4,702.88	1,970.54	-1,404.71	2,386.67	0.98	-0.28	-0.94
7,652.00	88.73	315.07	4,704.60	2,037.23	-1,470.94	2,480.65	0.54	-0.47	-0.28
7,747.00	88.42	314.37	4,706.97	2,104.06	-1,538.42	2,575.62	0.81	-0.33	-0.74
7,841.00	87.76	313.66	4,710.10	2,169.33	-1,605.98	2,669.55	1.03	-0.70	-0.76
7,936.00	90.70	316.30	4,711.38	2,236.47	-1,673.16	2,764.52	4.16	3.09	2.78
8,030.00	91.14	317.35	4,709.87	2,305.01	-1,737.47	2,858.46	1.21	0.47	1.12
8,125.00	90.40	315.51	4,708.59	2,373.83	-1,802.94	2,953.42	2.09	-0.78	-1.94
8,220.00	90.00	314.81	4,708.26	2,441.19	-1,869.92	3,048.42	0.85	-0.42	-0.74
8,314.00	89.21	314.54	4,708.91	2,507.28	-1,936.76	3,142.41	0.89	-0.84	-0.29
8,408.00	88.81	313.49	4,710.53	2,572.58	-2,004.35	3,236.38	1.20	-0.43	-1.12
8,503.00	91.76	316.39	4,710.06	2,639.67	-2,071.58	3,331.36	4.35	3.11	3.05
8,597.00	91.41	316.04	4,707.46	2,707.51	-2,136.60	3,425.30	0.53	-0.37	-0.37
8,692.00	91.10	315.42	4,705.38	2,775.52	-2,202.90	3,520.27	0.73	-0.33	-0.65
8,787.00	90.79	314.89	4,703.81	2,842.87	-2,269.88	3,615.26	0.65	-0.33	-0.56
8,881.00	90.40	314.37	4,702.83	2,908.90	-2,336.78	3,709.25	0.69	-0.41	-0.55
8,976.00	89.78	313.22	4,702.68	2,974.64	-2,405.35	3,804.23	1.38	-0.65	-1.21
9,071.00	89.47	312.61	4,703.31	3,039.33	-2,474.92	3,899.16	0.72	-0.33	-0.64
9,166.00	90.92	315.60	4,702.98	3,105.44	-2,543.13	3,994.14	3.50	1.53	3.15
9,260.00	91.71	318.50	4,700.83	3,174.21	-2,607.15	4,088.04	3.20	0.84	3.09
9,354.00	92.11	318.41	4,697.69	3,244.53	-2,669.46	4,181.82	0.44	0.43	-0.10
9,449.00	91.63	318.15	4,694.59	3,315.40	-2,732.64	4,276.61	0.57	-0.51	-0.27
9,544.00	90.79	317.71	4,692.59	3,385.90	-2,796.28	4,371.47	1.00	-0.88	-0.46
9,639.00	90.09	317.27	4,691.86	3,455.93	-2,860.47	4,466.37	0.87	-0.74	-0.46
9,733.00	90.00	316.39	4,691.78	3,524.49	-2,924.78	4,560.32	0.94	-0.10	-0.94
9,827.00	89.12	314.37	4,692.50	3,591.39	-2,990.80	4,654.31	2.34	-0.94	-2.15
9,921.00	89.12	314.01	4,693.95	3,656.90	-3,058.20	4,748.29	0.38	0.00	-0.38
10,016.00	88.24	313.31	4,696.14	3,722.47	-3,126.91	4,843.24	1.18	-0.93	-0.74
10,111.00	88.24	312.78	4,699.05	3,787.28	-3,196.30	4,938.14	0.56	0.00	-0.56
10,205.00	90.35	315.95	4,700.21	3,852.99	-3,263.48	5,032.11	4.05	2.24	3.37
10,299.00	90.13	315.60	4,699.82	3,920.35	-3,329.05	5,126.10	0.44	-0.23	-0.37
10,394.00	90.18	315.25	4,699.56	3,988.03	-3,395.72	5,221.10	0.37	0.05	-0.37
10,488.00	90.18	314.89	4,699.27	4,054.57	-3,462.11	5,315.10	0.38	0.00	-0.38
10,583.00	90.17	313.93	4,698.98	4,121.05	-3,529.97	5,410.09	1.01	-0.01	-1.01
10,678.00	90.04	313.49	4,698.80	4,186.70	-3,598.64	5,505.06	0.48	-0.14	-0.46
10,772.00	89.78	313.05	4,698.95	4,251.13	-3,667.08	5,599.02	0.54	-0.28	-0.47



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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)	
10,866.00	90.57	317.97	4,698.66	4,318.16	-3,732.94	5,692.99	5.30	0.84	5.23	
10,960.00	90.22	318.06	4,698.01	4,388.03	-3,795.81	5,786.85	0.38	-0.37	0.10	
11,054.00	89.47	316.39	4,698.27	4,457.03	-3,859.65	5,880.78	1.95	-0.80	-1.78	
11,149.00	88.73	314.81	4,699.76	4,524.89	-3,926.11	5,975.76	1.84	-0.78	-1.66	
11,244.00	88.51	313.75	4,702.05	4,591.20	-3,994.10	6,070.72	1.14	-0.23	-1.12	
11,339.00	88.73	313.49	4,704.34	4,656.72	-4,062.85	6,165.67	0.36	0.23	-0.27	
11,433.00	88.99	312.61	4,706.21	4,720.87	-4,131.53	6,259.59	0.98	0.28	-0.94	
11,528.00	88.46	311.99	4,708.32	4,784.79	-4,201.78	6,354.46	0.86	-0.56	-0.65	
11,623.00	88.33	311.38	4,710.98	4,847.95	-4,272.69	6,449.27	0.66	-0.14	-0.64	
11,717.00	89.91	314.45	4,712.42	4,911.94	-4,341.52	6,543.18	3.67	1.68	3.27	
11,812.00	91.14	315.16	4,711.55	4,978.88	-4,408.92	6,638.17	1.49	1.29	0.75	
11,907.00	91.80	314.98	4,709.12	5,046.11	-4,475.99	6,733.14	0.72	0.69	-0.19	
12,001.00	89.38	316.56	4,708.15	5,113.46	-4,541.55	6,827.12	3.07	-2.57	1.68	
12,095.00	89.47	316.12	4,709.09	5,181.46	-4,606.44	6,921.09	0.48	0.10	-0.47	
12,190.00	89.60	316.12	4,709.86	5,249.93	-4,672.28	7,016.07	0.14	0.14	0.00	
12,284.00	89.91	315.77	4,710.27	5,317.48	-4,737.65	7,110.05	0.50	0.33	-0.37	
12,379.00	90.26	315.51	4,710.12	5,385.41	-4,804.07	7,205.05	0.46	0.37	-0.27	
12,473.00	90.04	315.33	4,709.88	5,452.36	-4,870.05	7,299.04	0.30	-0.23	-0.19	
12,568.00	89.91	315.25	4,709.92	5,519.87	-4,936.88	7,394.04	0.16	-0.14	-0.08	
12,662.00	90.22	314.28	4,709.81	5,586.07	-5,003.62	7,488.04	1.08	0.33	-1.03	
12,756.00	88.46	315.16	4,710.90	5,652.20	-5,070.40	7,582.03	2.09	-1.87	0.94	
12,851.00	88.86	314.72	4,713.12	5,719.29	-5,137.63	7,677.00	0.63	0.42	-0.46	
12,945.00	89.17	313.75	4,714.73	5,784.85	-5,204.97	7,770.98	1.08	0.33	-1.03	
13,039.00	89.34	313.58	4,715.96	5,849.75	-5,272.96	7,864.94	0.26	0.18	-0.18	
13,134.00	89.82	312.52	4,716.65	5,914.59	-5,342.38	7,959.88	1.22	0.51	-1.12	
13,228.00	90.18	311.64	4,716.65	5,977.59	-5,412.15	8,053.76	1.01	0.38	-0.94	
13,323.00	87.14	315.60	4,718.87	6,043.09	-5,480.88	8,148.68	5.25	-3.20	4.17	
13,417.00	86.97	316.83	4,723.70	6,110.86	-5,545.84	8,242.53	1.32	-0.18	1.31	
13,512.00	87.10	315.51	4,728.62	6,179.30	-5,611.54	8,337.38	1.39	0.14	-1.39	
13,606.00	87.76	314.80	4,732.83	6,245.88	-5,677.76	8,431.29	1.03	0.70	-0.76	
13,700.00	87.76	314.27	4,736.51	6,311.75	-5,744.71	8,525.21	0.56	0.00	-0.56	
13,795.00	88.51	314.01	4,739.60	6,377.88	-5,812.85	8,620.15	0.84	0.79	-0.27	
13,889.00	89.34	313.58	4,741.36	6,442.92	-5,880.69	8,714.11	0.99	0.88	-0.46	
13,984.00	90.40	313.58	4,741.58	6,508.41	-5,949.51	8,809.08	1.12	1.12	0.00	
14,078.00	90.97	313.22	4,740.45	6,572.99	-6,017.80	8,903.04	0.72	0.61	-0.38	
14,173.00	92.07	312.61	4,737.93	6,637.65	-6,087.35	8,997.94	1.32	1.16	-0.64	
14,268.00	89.17	315.33	4,736.91	6,703.59	-6,155.70	9,092.90	4.18	-3.05	2.86	
14,362.00	88.55	315.77	4,738.78	6,770.68	-6,221.52	9,186.87	0.81	-0.66	0.47	
14,457.00	89.38	315.16	4,740.49	6,838.39	-6,288.13	9,281.85	1.08	0.87	-0.64	
14,551.00	89.96	314.19	4,741.03	6,904.48	-6,354.98	9,375.85	1.20	0.62	-1.03	
14,646.00	90.84	313.75	4,740.37	6,970.43	-6,423.34	9,470.83	1.04	0.93	-0.46	
14,740.00	91.27	312.70	4,738.64	7,034.80	-6,491.83	9,564.77	1.21	0.46	-1.12	
14,835.00	89.17	317.79	4,738.28	7,102.23	-6,558.69	9,659.73	5.80	-2.21	5.36	
14,930.00	88.73	317.53	4,740.02	7,172.44	-6,622.66	9,754.61	0.54	-0.46	-0.27	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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)	
15,025.00	89.34	317.00	4,741.62	7,242.21	-6,687.12	9,849.52	0.85	0.64	-0.56	
15,119.00	90.26	316.39	4,741.94	7,310.61	-6,751.59	9,943.48	1.17	0.98	-0.65	
15,214.00	91.14	315.60	4,740.78	7,378.94	-6,817.58	10,038.46	1.24	0.93	-0.83	
15,308.00	91.71	315.25	4,738.45	7,445.87	-6,883.54	10,132.42	0.71	0.61	-0.37	
15,402.00	92.33	314.28	4,735.13	7,512.03	-6,950.23	10,226.36	1.22	0.66	-1.03	
15,461.00	92.39	313.95	4,732.70	7,553.06	-6,992.56	10,285.31	0.57	0.09	-0.56	
Frac sleeve @ 15461.00 MD 4732.70 TVD										
15,497.00	92.42	313.75	4,731.20	7,577.98	-7,018.49	10,321.27	0.57	0.09	-0.56	
15,591.00	93.16	313.58	4,726.62	7,642.80	-7,086.41	10,415.13	0.81	0.79	-0.18	
Survey @ 15591.00 MD 4726.62 TVD										
15,618.00	93.16	313.58	4,725.13	7,661.39	-7,105.94	10,442.08	0.00	0.00	0.00	
LTP 330 perp @ 15618 MD 4725 TVD										
15,734.00	93.16	313.58	4,718.74	7,741.23	-7,189.85	10,557.87	0.00	0.00	0.00	
Survey Proj. to 15734.00 MD 4718.74 TVD										

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,695.00	2,649.66		9-5/8	12-1/4

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
419.00	418.99	-0.33	-2.54	MWD surveys	
2,695.00	2,649.66	-63.64	303.44	9 5/8" Casing @ 2695.00 MD 2649.66 TVD	
4,781.00	4,579.82	23.52	540.62	FTP MNCS_G top @ 4781.00 MD 4579.82 TVD	
15,461.00	4,732.70	7,553.06	-6,992.56	Frac sleeve @ 15461.00 MD 4732.70 TVD	
15,591.00	4,726.62	7,642.80	-7,086.41	Survey @ 15591.00 MD 4726.62 TVD	
15,618.00	4,725.13	7,661.39	-7,105.94	LTP 330 perp @ 15618 MD 4725 TVD	
15,734.00	4,718.74	7,741.23	-7,189.85	Survey Proj. to 15734.00 MD 4718.74 TVD	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Project	San Juan County, New Mexico NAD83 NM W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	W Lybrook Unit		
Site Position:		Northing:	1,897,416.802 usft
From:	Lat/Long	Easting:	2,747,156.265 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.214585000
		Longitude:	-107.751754000
		Grid Convergence:	0.048 °

Well	W Lybrook Unit No. 758H, Surf loc: 2611 FSL 2127 FEL Section 23-T23N-R09W		
Well Position	+N/-S	0.00 ft	Northing: 1,896,598.087 usft
	+E/-W	0.00 ft	Easting: 2,745,780.223 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.212339000
		Longitude:	-107.756421000
		Ground Level:	6,719.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/30/2021	8.769	62.734	49,260.11791863

Design	Surveys Original Hole				
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		315.00

Survey Program	Date	12/7/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
419.00	2,605.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,645.00	15,591.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
15,734.00	15,734.00	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	0.00	0.00	0.00	0.00	1,896,598.087	2,745,780.223	36.212339000	-107.756421000	
419.00	0.70	262.69	418.99	-0.33	-2.54	1,896,597.761	2,745,777.685	36.212338111	-107.756429606	
MWD surveys										
510.00	0.79	74.60	509.99	-0.23	-2.49	1,896,597.857	2,745,777.738	36.212338374	-107.756429425	
601.00	2.20	81.63	600.95	0.19	-0.15	1,896,598.278	2,745,780.071	36.212339525	-107.756421515	
692.00	2.37	81.98	691.88	0.71	3.44	1,896,598.795	2,745,783.662	36.212340937	-107.756409340	
784.00	2.33	81.81	783.80	1.24	7.17	1,896,599.327	2,745,787.397	36.212342390	-107.756396678	
875.00	2.15	84.71	874.73	1.66	10.70	1,896,599.747	2,745,790.927	36.212343538	-107.756384709	
965.00	2.07	84.00	964.67	1.99	14.00	1,896,600.073	2,745,794.225	36.212344426	-107.756373530	
1,056.00	2.37	87.08	1,055.61	2.25	17.52	1,896,600.341	2,745,797.739	36.212345153	-107.756361618	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,148.00	2.50	90.42	1,147.52	2.34	21.42	1,896,600.423	2,745,801.645	36.212345370	-107.756348376
1,238.00	2.20	93.85	1,237.45	2.21	25.11	1,896,600.292	2,745,805.331	36.212345004	-107.756335880
1,326.00	2.15	94.73	1,325.38	1.96	28.44	1,896,600.043	2,745,808.661	36.212344311	-107.756324591
1,416.00	1.93	88.84	1,415.33	1.85	31.64	1,896,599.934	2,745,811.859	36.212344006	-107.756313752
1,509.00	1.85	90.33	1,508.28	1.87	34.70	1,896,599.957	2,745,814.926	36.212344063	-107.756303355
1,601.00	1.85	84.27	1,600.23	2.01	37.67	1,896,600.097	2,745,817.889	36.212344440	-107.756293312
1,693.00	3.34	96.84	1,692.13	1.84	41.80	1,896,599.926	2,745,822.027	36.212343962	-107.756279282
1,783.00	5.14	99.47	1,781.88	0.86	48.38	1,896,598.951	2,745,828.608	36.212341267	-107.756256979
1,873.00	7.51	102.11	1,871.33	-1.03	58.11	1,896,597.053	2,745,838.336	36.212336034	-107.756224005
1,966.00	10.33	101.76	1,963.19	-4.01	72.22	1,896,594.078	2,745,852.444	36.212327830	-107.756176187
2,057.00	12.96	103.78	2,052.31	-8.10	90.12	1,896,589.984	2,745,870.346	36.212316544	-107.756115513
2,147.00	15.16	106.59	2,139.61	-13.87	111.21	1,896,584.219	2,745,891.429	36.212300661	-107.756044060
2,238.00	17.58	105.89	2,226.92	-21.03	135.83	1,896,577.058	2,745,916.054	36.212280935	-107.755960603
2,330.00	20.52	103.87	2,313.87	-28.70	164.85	1,896,569.387	2,745,945.077	36.212259798	-107.755862236
2,422.00	22.50	103.78	2,399.46	-36.76	197.61	1,896,561.328	2,745,977.832	36.212237587	-107.755751223
2,513.00	23.38	104.13	2,483.26	-45.31	232.03	1,896,552.772	2,746,012.253	36.212214009	-107.755634562
2,605.00	24.04	104.31	2,567.49	-54.40	267.89	1,896,543.684	2,746,048.113	36.212188964	-107.755513025
2,645.00	24.13	104.57	2,604.01	-58.47	283.70	1,896,539.614	2,746,063.920	36.212177747	-107.755459449
2,695.00	24.04	104.74	2,649.66	-63.64	303.44	1,896,534.452	2,746,083.661	36.212163523	-107.755392545
9 5/8" Casing @ 2695.00 MD 2649.66 TVD									
2,722.00	23.99	104.83	2,674.32	-66.44	314.06	1,896,531.648	2,746,094.285	36.212155797	-107.755356537
2,816.00	23.42	104.04	2,760.39	-75.86	350.66	1,896,522.225	2,746,130.881	36.212129830	-107.755232506
2,911.00	25.27	105.10	2,846.94	-85.73	388.55	1,896,512.361	2,746,168.777	36.212102650	-107.755104069
3,005.00	25.00	104.75	2,932.04	-96.01	427.13	1,896,502.078	2,746,207.356	36.212074314	-107.754973317
3,100.00	24.13	103.60	3,018.44	-105.69	465.42	1,896,492.400	2,746,245.644	36.212047645	-107.754843552
3,194.00	22.98	103.25	3,104.61	-114.41	501.96	1,896,483.676	2,746,282.181	36.212023598	-107.754719719
3,288.00	21.93	103.52	3,191.48	-122.72	536.89	1,896,475.367	2,746,317.110	36.212000693	-107.754601337
3,383.00	20.21	101.50	3,280.12	-130.14	570.22	1,896,467.947	2,746,350.441	36.211980236	-107.754488368
3,477.00	18.19	102.46	3,368.89	-136.54	600.46	1,896,461.544	2,746,380.681	36.211962578	-107.754385874
3,572.00	16.44	100.79	3,459.58	-142.26	628.15	1,896,455.828	2,746,408.368	36.211946813	-107.754292037
3,666.00	16.48	100.70	3,549.73	-147.23	654.31	1,896,450.862	2,746,434.535	36.211933113	-107.754203346
3,761.00	13.45	99.30	3,641.50	-151.51	678.46	1,896,446.574	2,746,458.685	36.211921278	-107.754121494
3,855.00	9.40	97.01	3,733.62	-154.22	696.88	1,896,443.869	2,746,477.100	36.211913807	-107.754059076
3,950.00	5.27	92.71	3,827.82	-155.37	708.94	1,896,442.715	2,746,489.163	36.211910611	-107.754018186
4,044.00	2.29	80.23	3,921.61	-155.26	715.11	1,896,442.830	2,746,495.327	36.211910912	-107.753997290
4,138.00	1.89	75.65	4,015.54	-154.55	718.46	1,896,443.533	2,746,498.680	36.211912835	-107.753985923
4,169.00	1.76	78.56	4,046.53	-154.33	719.42	1,896,443.754	2,746,499.641	36.211913441	-107.753982662
4,201.00	1.05	20.81	4,078.52	-153.96	720.01	1,896,444.125	2,746,500.227	36.211914460	-107.753980675
4,233.00	3.56	324.21	4,110.49	-152.88	719.53	1,896,445.206	2,746,499.750	36.211917429	-107.753982289
4,264.00	7.34	318.94	4,141.35	-150.61	717.66	1,896,447.480	2,746,497.886	36.211923682	-107.753988602
4,296.00	10.50	316.65	4,172.96	-146.94	714.32	1,896,451.143	2,746,494.541	36.211933750	-107.753999931
4,327.00	13.10	316.04	4,203.30	-142.36	709.94	1,896,455.727	2,746,490.163	36.211946352	-107.754014761
4,358.00	15.69	314.10	4,233.32	-136.91	704.49	1,896,461.173	2,746,484.713	36.211961327	-107.754033220
4,390.00	18.46	312.96	4,263.91	-130.45	697.67	1,896,467.638	2,746,477.897	36.211979102	-107.754056309
4,421.00	21.09	312.61	4,293.08	-123.33	689.98	1,896,474.760	2,746,470.199	36.211998684	-107.754082384
4,453.00	23.55	313.49	4,322.68	-115.03	681.10	1,896,483.059	2,746,461.322	36.212021501	-107.754112452
4,484.00	25.62	315.95	4,350.87	-105.95	671.95	1,896,492.139	2,746,452.168	36.212046467	-107.754143459
4,516.00	27.91	317.71	4,379.44	-95.43	662.09	1,896,502.654	2,746,442.317	36.212075373	-107.754176824
4,547.00	30.72	317.35	4,406.47	-84.24	651.85	1,896,513.847	2,746,432.068	36.212106144	-107.754211535
4,579.00	33.75	316.74	4,433.53	-71.75	640.21	1,896,526.335	2,746,420.436	36.212140476	-107.754250933
4,610.00	36.61	315.16	4,458.87	-58.92	627.79	1,896,539.164	2,746,408.014	36.212175746	-107.754293007
4,642.00	39.51	313.22	4,484.06	-45.18	613.64	1,896,552.904	2,746,393.864	36.212213523	-107.754340935
4,673.00	42.50	311.82	4,507.45	-31.44	598.65	1,896,566.643	2,746,378.870	36.212251298	-107.754391725
4,705.00	45.62	311.82	4,530.45	-16.61	582.07	1,896,581.479	2,746,362.288	36.212292092	-107.754447895
4,736.00	48.74	313.58	4,551.52	-1.18	565.36	1,896,596.903	2,746,345.587	36.212334500	-107.754504469



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,768.00	51.94	315.60	4,571.94	16.11	547.83	1,896,614.200	2,746,328.054	36.212382057	-107.754563856
4,781.00	53.42	315.94	4,579.82	23.52	540.62	1,896,621.608	2,746,320.843	36.212402423	-107.754588279
FTP MNCS_G top @ 4781.00 MD 4579.82 TVD									
4,799.00	55.46	316.39	4,590.29	34.08	530.48	1,896,632.170	2,746,310.703	36.212431461	-107.754622625
4,830.00	60.21	316.56	4,606.79	53.11	512.41	1,896,651.193	2,746,292.637	36.212483758	-107.754683815
4,862.00	63.11	316.48	4,621.97	73.54	493.04	1,896,671.627	2,746,273.259	36.212539936	-107.754749450
4,893.00	64.16	316.65	4,635.74	93.71	473.94	1,896,691.796	2,746,254.162	36.212595385	-107.754814129
4,925.00	67.98	316.12	4,648.72	114.88	453.77	1,896,712.967	2,746,233.988	36.212653588	-107.754882459
4,956.00	71.85	315.60	4,659.36	135.77	433.49	1,896,733.856	2,746,213.715	36.212711017	-107.754951126
4,988.00	75.10	315.25	4,668.46	157.62	411.96	1,896,755.705	2,746,192.186	36.212771087	-107.755024048
5,019.00	78.31	315.25	4,675.59	179.04	390.73	1,896,777.128	2,746,170.950	36.212829985	-107.755095980
5,051.00	80.60	315.07	4,681.45	201.35	368.55	1,896,799.434	2,746,148.768	36.212891310	-107.755171114
5,082.00	82.27	314.81	4,686.06	223.00	346.85	1,896,821.086	2,746,127.070	36.212950838	-107.755244609
5,177.00	87.06	314.10	4,694.89	289.22	279.35	1,896,887.309	2,746,059.572	36.213132909	-107.755473245
5,272.00	86.44	313.40	4,700.28	354.81	210.84	1,896,952.897	2,745,991.058	36.213313235	-107.755705323
5,366.00	86.22	313.14	4,706.30	419.11	142.53	1,897,017.195	2,745,922.755	36.213490020	-107.755936696
5,460.00	89.91	314.37	4,709.47	484.07	74.69	1,897,082.155	2,745,854.911	36.213668617	-107.756166509
5,554.00	89.87	313.31	4,709.65	549.18	6.89	1,897,147.262	2,745,787.112	36.213847622	-107.756396170
5,649.00	89.25	312.70	4,710.38	613.97	-62.58	1,897,212.056	2,745,717.642	36.214025767	-107.756631499
5,743.00	92.24	314.45	4,709.16	678.75	-130.67	1,897,276.834	2,745,649.557	36.214203867	-107.756862131
5,837.00	91.93	314.37	4,705.74	744.49	-197.77	1,897,342.571	2,745,582.453	36.214384596	-107.757089439
5,950.00	91.36	313.14	4,702.49	822.60	-279.36	1,897,420.684	2,745,500.868	36.214599358	-107.757365804
6,045.00	91.89	317.27	4,699.80	889.97	-346.25	1,897,488.057	2,745,433.976	36.214784581	-107.757592394
6,140.00	91.10	317.35	4,697.32	959.78	-410.64	1,897,557.861	2,745,369.585	36.214976476	-107.757810494
6,234.00	89.52	314.81	4,696.81	1,027.48	-475.83	1,897,625.561	2,745,304.390	36.215162594	-107.758031329
6,329.00	91.10	317.00	4,696.30	1,095.70	-541.93	1,897,693.781	2,745,238.291	36.215350142	-107.758255227
6,424.00	89.21	314.72	4,696.04	1,163.86	-608.08	1,897,761.949	2,745,172.140	36.215537546	-107.758479305
6,518.00	88.42	313.22	4,697.98	1,229.11	-675.72	1,897,827.195	2,745,104.505	36.215716926	-107.758708421
6,613.00	90.66	316.65	4,698.75	1,296.19	-742.95	1,897,894.278	2,745,037.271	36.215901351	-107.758936175
6,707.00	90.22	317.09	4,698.03	1,364.79	-807.22	1,897,962.877	2,744,973.009	36.216089934	-107.759153848
6,802.00	90.04	316.04	4,697.81	1,433.78	-872.53	1,898,031.860	2,744,907.695	36.216279575	-107.759375089
6,896.00	89.87	314.98	4,697.88	1,500.83	-938.40	1,898,098.916	2,744,841.822	36.216463922	-107.759598230
6,991.00	89.56	313.93	4,698.36	1,567.36	-1,006.21	1,898,165.447	2,744,774.013	36.216646830	-107.759827938
7,085.00	90.31	316.48	4,698.46	1,634.06	-1,072.44	1,898,232.146	2,744,707.790	36.216830197	-107.760052273
7,180.00	89.82	315.77	4,698.36	1,702.54	-1,138.28	1,898,300.627	2,744,641.947	36.217018455	-107.760275311
7,275.00	88.86	312.70	4,699.45	1,768.80	-1,206.33	1,898,366.886	2,744,573.895	36.217200616	-107.760505847
7,369.00	89.47	316.21	4,700.82	1,834.62	-1,273.41	1,898,432.701	2,744,506.816	36.217381555	-107.760733087
7,464.00	89.43	316.21	4,701.73	1,903.19	-1,339.15	1,898,501.277	2,744,441.077	36.217570073	-107.760955775
7,558.00	89.17	315.33	4,702.88	1,970.54	-1,404.71	1,898,568.626	2,744,375.514	36.217755222	-107.761177873
7,652.00	88.73	315.07	4,704.60	2,037.23	-1,470.94	1,898,635.314	2,744,309.290	36.217938556	-107.761402215
7,747.00	88.42	314.37	4,706.97	2,104.06	-1,538.42	1,898,702.139	2,744,241.809	36.218122267	-107.761630819
7,841.00	87.76	313.66	4,710.10	2,169.33	-1,605.98	1,898,767.417	2,744,174.247	36.218301730	-107.761859703
7,936.00	90.70	316.30	4,711.38	2,236.47	-1,673.16	1,898,834.550	2,744,107.068	36.218486285	-107.762087283
8,030.00	91.14	317.35	4,709.87	2,305.01	-1,737.47	1,898,903.091	2,744,042.760	36.218674704	-107.762305129
8,125.00	90.40	315.51	4,708.59	2,373.83	-1,802.94	1,898,971.912	2,743,977.292	36.218863892	-107.762526909
8,220.00	90.00	314.81	4,708.26	2,441.19	-1,869.92	1,899,039.273	2,743,910.305	36.219049074	-107.762753839
8,314.00	89.21	314.54	4,708.91	2,507.28	-1,936.76	1,899,105.361	2,743,843.464	36.219230756	-107.762980284
8,408.00	88.81	313.49	4,710.53	2,572.58	-2,004.35	1,899,170.665	2,743,775.874	36.219410289	-107.763209266
8,503.00	91.76	316.39	4,710.06	2,639.67	-2,071.58	1,899,237.754	2,743,708.644	36.219594722	-107.763437027
8,597.00	91.41	316.04	4,707.46	2,707.51	-2,136.60	1,899,305.591	2,743,643.626	36.219781203	-107.763657290
8,692.00	91.10	315.42	4,705.38	2,775.52	-2,202.90	1,899,373.599	2,743,577.328	36.219968159	-107.763881888
8,787.00	90.79	314.89	4,703.81	2,842.87	-2,269.88	1,899,440.946	2,743,510.345	36.220153299	-107.764108816
8,881.00	90.40	314.37	4,702.83	2,908.90	-2,336.78	1,899,506.980	2,743,443.453	36.220334830	-107.764335437
8,976.00	89.78	313.22	4,702.68	2,974.64	-2,405.35	1,899,572.726	2,743,374.882	36.220515574	-107.764567753
9,071.00	89.47	312.61	4,703.31	3,039.33	-2,474.92	1,899,637.410	2,743,305.309	36.220693404	-107.764803468



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,166.00	90.92	315.60	4,702.98	3,105.44	-2,543.13	1,899,703.518	2,743,237.103	36.220875141	-107.765034548
9,260.00	91.71	318.50	4,700.83	3,174.21	-2,607.15	1,899,772.295	2,743,173.079	36.221064201	-107.765251443
9,354.00	92.11	318.41	4,697.69	3,244.53	-2,669.46	1,899,842.608	2,743,110.772	36.221257478	-107.765462514
9,449.00	91.63	318.15	4,694.59	3,315.40	-2,732.64	1,899,913.479	2,743,047.585	36.221452287	-107.765676571
9,544.00	90.79	317.71	4,692.59	3,385.90	-2,796.28	1,899,983.983	2,742,983.946	36.221646091	-107.765892160
9,639.00	90.09	317.27	4,691.86	3,455.93	-2,860.47	1,900,054.010	2,742,919.755	36.221838584	-107.766109622
9,733.00	90.00	316.39	4,691.78	3,524.49	-2,924.78	1,900,122.566	2,742,855.445	36.222027036	-107.766327496
9,827.00	89.12	314.37	4,692.50	3,591.39	-2,990.80	1,900,189.468	2,742,789.425	36.222210945	-107.766551168
9,921.00	89.12	314.01	4,693.95	3,656.90	-3,058.20	1,900,254.981	2,742,722.032	36.222391045	-107.766779500
10,016.00	88.24	313.31	4,696.14	3,722.47	-3,126.91	1,900,320.549	2,742,653.324	36.222571293	-107.767012292
10,111.00	88.24	312.78	4,699.05	3,787.28	-3,196.30	1,900,385.362	2,742,583.930	36.222749472	-107.767247415
10,205.00	90.35	315.95	4,700.21	3,852.99	-3,263.48	1,900,451.073	2,742,516.747	36.222930110	-107.767475037
10,299.00	90.13	315.60	4,699.82	3,920.35	-3,329.05	1,900,518.433	2,742,451.185	36.223115277	-107.767697162
10,394.00	90.18	315.25	4,699.56	3,988.03	-3,395.72	1,900,586.104	2,742,384.510	36.223301299	-107.767923060
10,488.00	90.18	314.89	4,699.27	4,054.57	-3,462.11	1,900,652.653	2,742,318.124	36.223484237	-107.768147983
10,583.00	90.17	313.93	4,698.98	4,121.05	-3,529.97	1,900,719.131	2,742,250.262	36.223666985	-107.768377911
10,678.00	90.04	313.49	4,698.80	4,186.70	-3,598.64	1,900,784.777	2,742,181.592	36.223847445	-107.768610582
10,772.00	89.78	313.05	4,698.95	4,251.13	-3,667.08	1,900,849.207	2,742,113.148	36.224024567	-107.768842490
10,866.00	90.57	317.97	4,698.66	4,318.16	-3,732.94	1,900,916.243	2,742,047.296	36.224208840	-107.769065607
10,960.00	90.22	318.06	4,698.01	4,388.03	-3,795.81	1,900,986.113	2,741,984.417	36.224400894	-107.769278635
11,054.00	89.47	316.39	4,698.27	4,457.03	-3,859.65	1,901,055.108	2,741,920.583	36.224590544	-107.769494907
11,149.00	88.73	314.81	4,699.76	4,524.89	-3,926.11	1,901,122.972	2,741,854.126	36.224777092	-107.769720075
11,244.00	88.51	313.75	4,702.05	4,591.20	-3,994.10	1,901,189.277	2,741,786.133	36.224959362	-107.769950455
11,339.00	88.73	313.49	4,704.34	4,656.72	-4,062.85	1,901,254.796	2,741,717.380	36.225139470	-107.770183415
11,433.00	88.99	312.61	4,706.21	4,720.87	-4,131.53	1,901,318.950	2,741,648.703	36.225315831	-107.770416121
11,528.00	88.46	311.99	4,708.32	4,784.79	-4,201.78	1,901,382.870	2,741,578.456	36.225491549	-107.770654151
11,623.00	88.33	311.38	4,710.98	4,847.95	-4,272.69	1,901,446.023	2,741,507.537	36.225665162	-107.770894462
11,717.00	89.91	314.45	4,712.42	4,911.94	-4,341.52	1,901,510.012	2,741,438.714	36.225841066	-107.771127667
11,812.00	91.14	315.16	4,711.55	4,978.88	-4,408.92	1,901,576.953	2,741,371.315	36.226025079	-107.771356038
11,907.00	91.80	314.98	4,709.12	5,046.11	-4,475.99	1,901,644.188	2,741,304.245	36.226209896	-107.771583295
12,001.00	89.38	316.56	4,708.15	5,113.46	-4,541.55	1,901,711.532	2,741,238.687	36.226395012	-107.771805426
12,095.00	89.47	316.12	4,709.09	5,181.46	-4,606.44	1,901,779.533	2,741,173.795	36.226581928	-107.772025297
12,190.00	89.60	316.12	4,709.86	5,249.93	-4,672.28	1,901,848.006	2,741,107.948	36.226770144	-107.772248407
12,284.00	89.91	315.77	4,710.27	5,317.48	-4,737.65	1,901,915.560	2,741,042.586	36.226955835	-107.772469875
12,379.00	90.26	315.51	4,710.12	5,385.41	-4,804.07	1,901,983.481	2,740,976.166	36.227142534	-107.772694932
12,473.00	90.04	315.33	4,709.88	5,452.36	-4,870.05	1,902,050.434	2,740,910.187	36.227326573	-107.772918495
12,568.00	89.91	315.25	4,709.92	5,519.87	-4,936.88	1,902,117.948	2,740,843.353	36.227512154	-107.773144958
12,662.00	90.22	314.28	4,709.81	5,586.07	-5,003.62	1,902,184.142	2,740,776.614	36.227694108	-107.773371102
12,756.00	88.46	315.16	4,710.90	5,652.20	-5,070.40	1,902,250.276	2,740,709.830	36.227875899	-107.773597402
12,851.00	88.86	314.72	4,713.12	5,719.29	-5,137.63	1,902,317.362	2,740,642.603	36.228060304	-107.773825200
12,945.00	89.17	313.75	4,714.73	5,784.85	-5,204.97	1,902,382.926	2,740,575.265	36.228240527	-107.774053382
13,039.00	89.34	313.58	4,715.96	5,849.75	-5,272.96	1,902,447.822	2,740,507.272	36.228418915	-107.774283784
13,134.00	89.82	312.52	4,716.65	5,914.59	-5,342.38	1,902,512.670	2,740,437.853	36.228597173	-107.774519023
13,228.00	90.18	311.64	4,716.65	5,977.59	-5,412.15	1,902,575.664	2,740,368.086	36.228770342	-107.774755446
13,323.00	87.14	315.60	4,718.87	6,043.09	-5,480.88	1,902,641.162	2,740,299.352	36.228950383	-107.774988364
13,417.00	86.97	316.83	4,723.70	6,110.86	-5,545.84	1,902,708.933	2,740,234.396	36.229136664	-107.775208470
13,512.00	87.10	315.51	4,728.62	6,179.30	-5,611.54	1,902,777.373	2,740,168.696	36.229324781	-107.775431096
13,606.00	87.76	314.80	4,732.83	6,245.88	-5,677.76	1,902,843.952	2,740,102.475	36.229507789	-107.775655492
13,700.00	87.76	314.27	4,736.51	6,311.75	-5,744.71	1,902,909.828	2,740,035.522	36.229688865	-107.775882377
13,795.00	88.51	314.01	4,739.60	6,377.88	-5,812.85	1,902,975.952	2,739,967.383	36.229870623	-107.776113281
13,889.00	89.34	313.58	4,741.36	6,442.92	-5,880.69	1,903,040.995	2,739,899.544	36.230049412	-107.776343169
13,984.00	90.40	313.58	4,741.58	6,508.41	-5,949.51	1,903,106.483	2,739,830.726	36.230229426	-107.776576379
14,078.00	90.97	313.22	4,740.45	6,572.99	-6,017.80	1,903,171.064	2,739,762.434	36.230406946	-107.776807810
14,173.00	92.07	312.61	4,737.93	6,637.65	-6,087.35	1,903,235.727	2,739,692.885	36.230584691	-107.777043500
14,268.00	89.17	315.33	4,736.91	6,703.59	-6,155.70	1,903,301.667	2,739,624.532	36.230765942	-107.777275138



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 758H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft (Ensign 733)
Well:	W Lybrook Unit No. 758H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,362.00	88.55	315.77	4,738.78	6,770.68	-6,221.52	1,903,368.756	2,739,558.718	36.230950346	-107.777498161
14,457.00	89.38	315.16	4,740.49	6,838.39	-6,288.13	1,903,436.462	2,739,492.103	36.231136446	-107.77723905
14,551.00	89.96	314.19	4,741.03	6,904.48	-6,354.98	1,903,502.550	2,739,425.261	36.231318099	-107.777950419
14,646.00	90.84	313.75	4,740.37	6,970.43	-6,423.34	1,903,568.504	2,739,356.892	36.231499388	-107.778182113
14,740.00	91.27	312.70	4,738.64	7,034.80	-6,491.83	1,903,632.869	2,739,288.410	36.231676312	-107.778414195
14,835.00	89.17	317.79	4,738.28	7,102.23	-6,558.69	1,903,700.305	2,739,221.549	36.231861667	-107.778640774
14,930.00	88.73	317.53	4,740.02	7,172.44	-6,622.66	1,903,770.513	2,739,157.575	36.232054634	-107.778857561
15,025.00	89.34	317.00	4,741.62	7,242.21	-6,687.12	1,903,840.280	2,739,093.117	36.232246389	-107.779075990
15,119.00	90.26	316.39	4,741.94	7,310.61	-6,751.59	1,903,908.683	2,739,028.645	36.232434398	-107.779294469
15,214.00	91.14	315.60	4,740.78	7,378.94	-6,817.58	1,903,977.008	2,738,962.653	36.232622194	-107.779518106
15,308.00	91.71	315.25	4,738.45	7,445.87	-6,883.54	1,904,043.946	2,738,896.701	36.232806179	-107.779741611
15,402.00	92.33	314.28	4,735.13	7,512.03	-6,950.23	1,904,110.099	2,738,830.004	36.232988007	-107.779967644
15,461.00	92.39	313.95	4,732.70	7,553.06	-6,992.56	1,904,151.134	2,738,787.681	36.233100798	-107.780111075
Frac sleeve @ 15461.00 MD 4732.70 TVD									
15,497.00	92.42	313.75	4,731.20	7,577.98	-7,018.49	1,904,176.052	2,738,761.743	36.233169289	-107.780198981
15,591.00	93.16	313.58	4,726.62	7,642.80	-7,086.41	1,904,240.876	2,738,693.825	36.233347468	-107.780429156
Survey @ 15591.00 MD 4726.62 TVD									
15,618.00	93.16	313.58	4,725.13	7,661.39	-7,105.94	1,904,259.461	2,738,674.296	36.233398551	-107.780495343
LTP 330 perp @ 15618 MD 4725 TVD									
15,734.00	93.16	313.58	4,718.74	7,741.23	-7,189.85	1,904,339.305	2,738,590.392	36.233618017	-107.780779699
Survey Proj. to 15734.00 MD 4718.74 TVD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,695.00	2,649.66		9-5/8	12-1/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
419.00	418.99	-0.33	-2.54	MWD surveys
2,695.00	2,649.66	-63.64	303.44	9 5/8" Casing @ 2695.00 MD 2649.66 TVD
4,781.00	4,579.82	23.52	540.62	FTP MNCS_G top @ 4781.00 MD 4579.82 TVD
15,461.00	4,732.70	7,553.06	-6,992.56	Frac sleeve @ 15461.00 MD 4732.70 TVD
15,591.00	4,726.62	7,642.80	-7,086.41	Survey @ 15591.00 MD 4726.62 TVD
15,618.00	4,725.13	7,661.39	-7,105.94	LTP 330 perp @ 15618 MD 4725 TVD
15,734.00	4,718.74	7,741.23	-7,189.85	Survey Proj. to 15734.00 MD 4718.74 TVD

WELL NAME: W LYBROOK UNIT 758H**OBJECTIVE:** Drill, complete, and equip single lateral in the Mancos-I formation**API Number:** 30-045-38264**AFE Number:** DV03011**ER Well Number:** NM06437.01**State:** New Mexico**County:** San Juan**Surface Elev.:** 6,719 ft ASL (GL) 6,747 ft ASL (KB)**Surface Location:** 23-23N-09W Sec-Twn- Rng 2,611 ft FSL 2,127 ft FEL**BH Location:** 15-23N-09W Sec-Twn- Rng 240 ft FNL 1409 ft FWL**Driving Directions:** FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 38.3 miles to MM 113.4, Right (Southwest) on CR #7890 for 0.8 miles to fork, Left (South) remaining on CR #7890 for 1.3 miles to 4-way intersection, Left (Southeast) remaining on CR #7890 for 0.6 miles to fork, Right (Southwest) on CR #7890 for 0.5 miles to fork, Right (West) exiting CR #7890 for 0.6 miles to fork, Right (Northwest) for 0.6 mile to W Lybrook Unit 720H Pad

QUICK REFERENCE	
Sur TD (MD)	350 ft
Int TD (MD)	2,658 ft
KOP (MD)	4,243 ft
KOP (TVD)	4,095 ft
Target (TVD)	4,702 ft
Curve BUR	10 °/100 ft
POE (MD)	5,216 ft
TD (MD)	15,698 ft
Lat Len (ft)	10,482 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	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	2,658	9.625	36.0	J-55	LTC	0	2,658
Production	8.500	15,698	5.500	17.0	P-110	LTC	0	15,698

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE III	14.6	1.39	6.686	0.6946	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.13	12.05	0.3627	70%	0	512
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,158	136
Prod. (Lead)	Type III	12.3	2.260	12.8	0.2691	65%	0	558
Prod. (Tail)	G:POZ blend	13.3	1.550	7.7	0.2291	10%	4,101	1,886

COMPLETION / PRODUCTION SUMMARY:

Frac: 45 (+/-) plug-and-perf stages with 320,000 bbls slickwater fluid and 12,500,000 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	352	352
Kirtland	452	452
Fruitland	647	647
Pictured Cliffs	1,032	1,032
Lewis	1,152	1,152
Chacra	1,417	1,417
Cliff House	2,481	2,525
Menefee	2,501	2,547
Point Lookout	3,459	3,597
Mancos	3,619	3,763
Gallup (MNCS_A)	3,954	4,101
MNCS_B	4,054	4,201
MNCS_C	4,144	4,291
MNCS_Cms	4,184	4,332
MNCS_D	4,334	4,479
MNCS_E	4,454	4,631
MNCS_F	4,515	4,713
MNCS_G	4,585	4,830
MNCS_H	4,632	4,926
P.O.E. TARGET	4,702	5,216
PROJECTED TD	4,753	15,698

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 68762

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 68762
	Action Type: [C-104] Completion Packet (C-104C)

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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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 68762

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 68762
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 4/7/2022.	3/10/2022