

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 30-045-38262	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 321259	⁸ Property Name W LYBROOK UNIT		⁹ Well Number #756H

II. ¹⁰ Surface Location

UL or lot no. J	Section 23	Township 23N	Range 9W	Lot Idn	Feet from the 2596'	North/South Line South	Feet from the 2115'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. E	Section 15	Township 23N	Range 9W	Lot Idn	Feet from the 178'	North/South line North	Feet from the 469'	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 8/9/2021	²² Ready Date 1/7/2022	²³ TD 15966' MD 4369' TVD	²⁴ PBDT 15838' MD 4367' TVD	²⁵ Perforations ~ 4683'-15838' MD ~ 4279'-4367' 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		361' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2720' MD		653 sx- surface
8-1/2"		5-1/2",17#, P-110		15956' MD		2495 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: 3/9/2022
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 30-045-38262	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 321259	⁵ Property Name W LYBROOK UNIT	⁶ Well Number 756H
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		2596	SOUTH	2115	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		178	NORTH	469	WEST	SAN JUAN

¹² Dedicated Acres

520.00 SW/4 SW/4 - Section 14
N/2 NW/4, SE/4 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
hhuntington@enduringresources.com

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

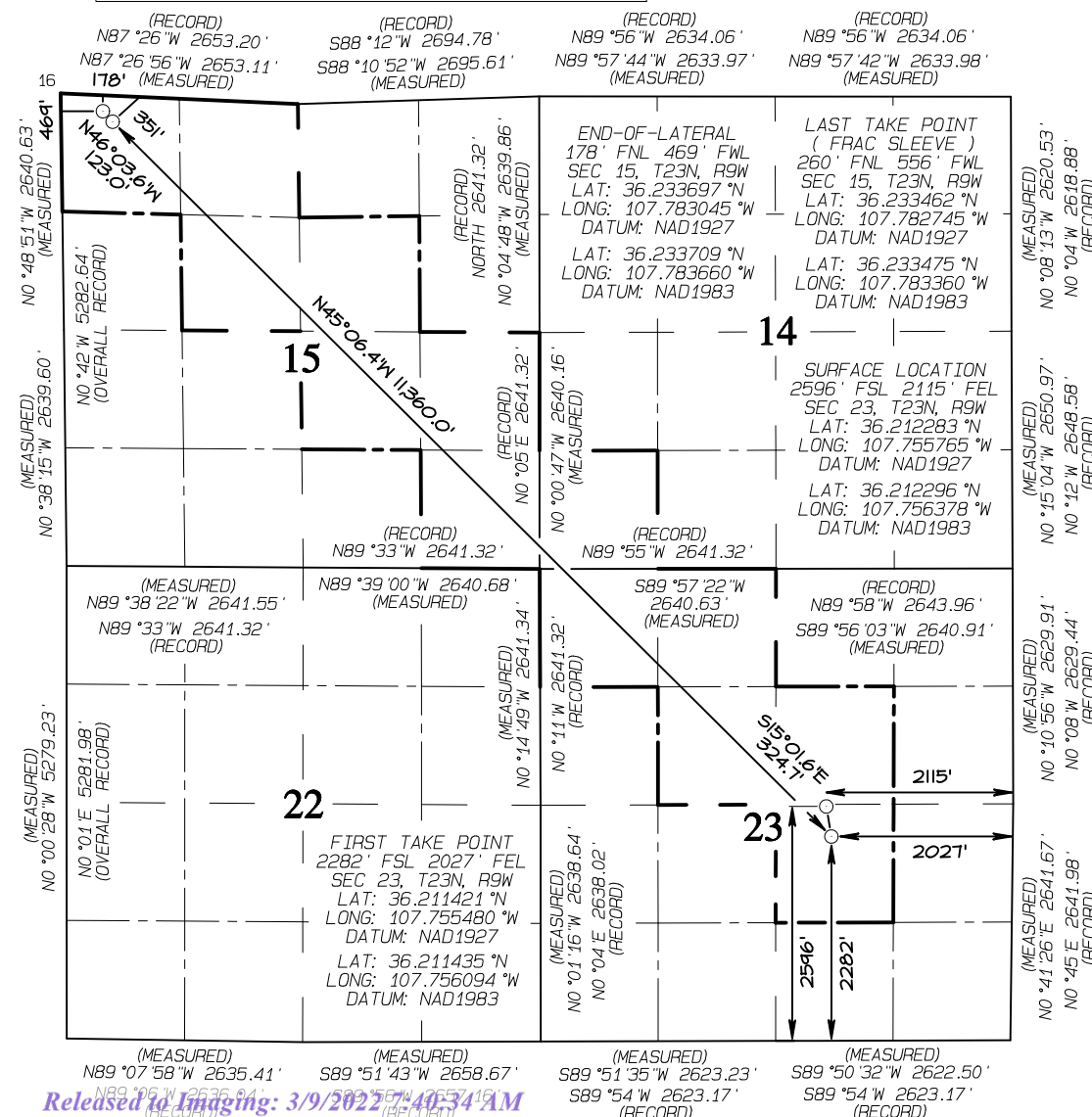
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: DECEMBER 10, 2021
Survey Date: OCTOBER 19, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

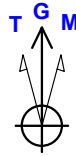




Well: W Lybrook Unit No. 756H
Site: W Lybrook Unit
Project: San Juan County, New Mexico NAD83 NM W
Design: Surveys Original Hole
Rig: Ensign 733

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	V/Sect	Annotation
419.00	0.92	204.34	418.98	-3.06	-1.39	-1.19	MWD surveys
2700.00	22.46	148.21	2620.17	-379.05	206.97	-414.38	9 5/8" Casing @ 2700.00 MD 2620.17 TVD
4457.00	57.96	313.32	4186.34	-313.53	84.11	-281.17	FTP MNCS_Cms top @ 4457.00 MD 4186.34 TVD
15781.00	88.99	313.94	4366.03	7661.36	-7918.82	11016.85	Survey @ 15781.00 MD 4366.03 TVD
15843.00	88.99	313.94	4367.12	7704.38	-7963.46	11078.83	Frac sleeve @ 15843.00 MD 4367.12 TVD
15861.00	88.99	313.94	4367.44	7716.86	-7976.42	11096.83	LTP 330 perp 15861 MD 4367 TVD
15966.00	88.99	313.94	4369.29	7789.71	-8052.01	11201.79	Survey Proj. to 15966.00 MD 4369.29 TVD

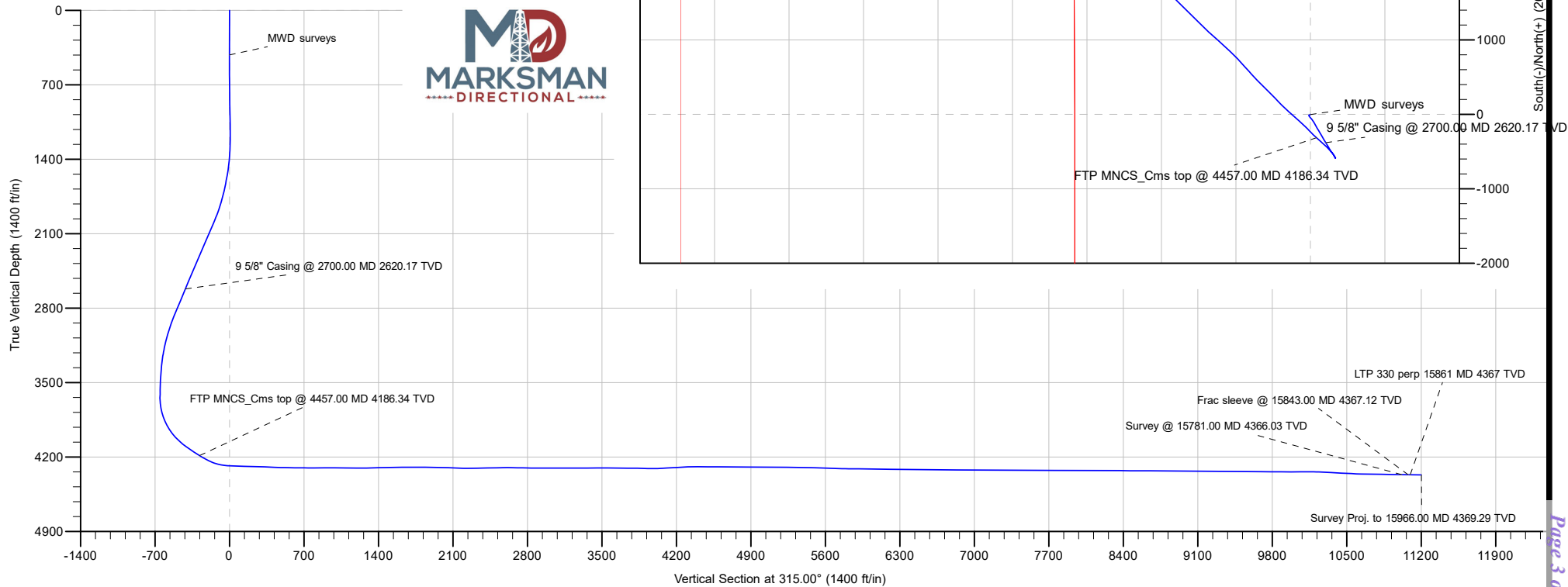


Azimuths to Grid North
 True North: -0.05°
 Magnetic North: 8.73°

Magnetic Field
 Strength: 49268.5nT
 Dip Angle: 62.74°
 Date: 9/30/2021
 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: 1896582.444 Easting: 2745792.921 Latitude: 36.212296000 Longitude: -107.756378000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.732°





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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. 756H, Surf loc: 2596 FSL 2115 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,896,582.444 usft	Latitude:	36.212296000
	+E/-W	0.00 ft	Easting:	2,745,792.920 usft	Longitude:	-107.756378000
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	9/30/2021	8.778	62.737	49,268.52521981

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 surf (Original Hole)	MWD	OWSG MWD - Standard	
2,660.00	15,781.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
15,966.00	15,966.00	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	0.92	204.34	418.98	-3.06	-1.39	-1.19	0.22	0.22	0.00	
MWD surveys										
510.00	2.02	238.53	509.95	-4.57	-3.06	-1.07	1.50	1.21	37.57	
601.00	2.37	245.47	600.89	-6.19	-6.14	-0.04	0.48	0.38	7.63	
693.00	2.37	246.79	692.81	-7.73	-9.61	1.34	0.06	0.00	1.43	
784.00	2.02	250.21	783.74	-9.01	-12.85	2.72	0.41	-0.38	3.76	
876.00	1.71	254.35	875.69	-9.93	-15.70	4.08	0.37	-0.34	4.50	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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	1.49	250.48	964.66	-10.67	-18.07	5.23	0.28	-0.25	-4.35
1,057.00	0.79	229.21	1,056.64	-11.49	-19.68	5.79	0.88	-0.76	-23.12
1,148.00	0.57	244.42	1,147.63	-12.09	-20.56	5.99	0.31	-0.24	16.71
1,238.00	0.66	244.42	1,237.63	-12.51	-21.43	6.31	0.10	0.10	0.00
1,327.00	2.72	156.00	1,326.59	-14.66	-21.03	4.51	3.12	2.31	-99.35
1,417.00	6.06	144.66	1,416.32	-20.49	-17.42	-2.17	3.82	3.71	-12.60
1,509.00	8.88	142.37	1,507.53	-30.08	-10.27	-14.00	3.08	3.07	-2.49
1,601.00	10.68	140.88	1,598.19	-42.31	-0.56	-29.53	1.98	1.96	-1.62
1,693.00	13.01	139.12	1,688.22	-56.76	11.60	-48.34	2.56	2.53	-1.91
1,783.00	15.42	143.78	1,775.46	-74.08	25.30	-70.27	2.96	2.68	5.18
1,874.00	18.85	147.38	1,862.41	-96.23	40.38	-96.60	3.94	3.77	3.96
1,966.00	22.06	149.84	1,948.60	-123.69	57.08	-127.82	3.61	3.49	2.67
2,057.00	24.13	150.02	2,032.30	-154.58	74.96	-162.31	2.28	2.27	0.20
2,147.00	24.30	150.02	2,114.38	-186.55	93.41	-197.96	0.19	0.19	0.00
2,238.00	24.21	150.11	2,197.35	-218.95	112.06	-234.06	0.11	-0.10	0.10
2,330.00	24.30	149.84	2,281.23	-251.67	130.97	-270.57	0.16	0.10	-0.29
2,422.00	24.30	149.32	2,365.08	-284.32	150.14	-307.21	0.23	0.00	-0.57
2,513.00	23.95	149.58	2,448.13	-316.35	169.05	-343.23	0.40	-0.38	0.29
2,605.00	23.03	148.88	2,532.51	-347.86	187.80	-378.77	1.04	-1.00	-0.76
2,660.00	22.54	148.26	2,583.21	-366.03	198.91	-399.48	0.99	-0.89	-1.13
2,700.00	22.46	148.21	2,620.17	-379.05	206.97	-414.38	0.20	-0.20	-0.12
9 5/8" Casing @ 2700.00 MD 2620.17 TVD									
2,726.00	22.41	148.18	2,644.20	-387.48	212.20	-424.04	0.20	-0.20	-0.12
2,820.00	23.99	151.25	2,730.60	-419.46	230.84	-459.83	2.12	1.68	3.27
2,915.00	23.95	149.49	2,817.41	-453.01	249.92	-497.04	0.75	-0.04	-1.85
3,009.00	21.31	146.51	2,904.17	-483.70	269.03	-532.26	3.06	-2.81	-3.17
3,104.00	18.11	141.93	2,993.59	-509.73	287.67	-563.84	3.74	-3.37	-4.82
3,198.00	14.77	144.66	3,083.74	-531.01	303.61	-590.17	3.65	-3.55	2.90
3,292.00	12.74	150.02	3,175.04	-549.76	315.72	-611.99	2.55	-2.16	5.70
3,387.00	8.61	153.36	3,268.38	-565.20	324.15	-628.87	4.39	-4.35	3.52
3,481.00	5.14	145.63	3,361.69	-574.97	329.68	-639.69	3.81	-3.69	-8.22
3,575.00	3.82	151.78	3,455.40	-581.20	333.54	-646.82	1.49	-1.40	6.54
3,670.00	1.45	143.34	3,550.30	-584.96	335.76	-651.04	2.52	-2.49	-8.88
3,733.00	1.01	134.46	3,613.28	-585.98	336.63	-652.39	0.76	-0.70	-14.10
3,764.00	0.22	147.38	3,644.28	-586.23	336.86	-652.72	2.57	-2.55	41.68
3,796.00	3.21	333.18	3,676.26	-585.48	336.48	-651.93	10.72	9.34	-544.38
3,827.00	6.86	332.31	3,707.14	-583.06	335.23	-649.33	11.78	11.77	-2.81
3,859.00	10.59	332.66	3,738.76	-578.76	332.99	-644.70	11.66	11.66	1.09
3,891.00	14.28	330.72	3,770.01	-572.70	329.71	-638.10	11.60	11.53	-6.06
3,922.00	17.75	329.93	3,799.80	-565.27	325.47	-629.85	11.22	11.19	-2.55
3,954.00	21.05	329.58	3,829.98	-556.09	320.12	-619.58	10.32	10.31	-1.09
3,985.00	23.47	328.70	3,858.67	-546.02	314.09	-608.19	7.88	7.81	-2.84
4,016.00	26.63	325.71	3,886.75	-535.00	306.97	-595.36	10.98	10.19	-9.65
4,047.00	29.58	321.93	3,914.09	-523.23	298.33	-580.93	11.11	9.52	-12.19



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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)
4,079.00	32.83	320.09	3,941.46	-510.36	287.89	-564.45	10.58	10.16	-5.75
4,110.00	36.21	318.51	3,967.00	-497.05	276.43	-546.93	11.28	10.90	-5.10
4,142.00	39.86	317.19	3,992.20	-482.44	263.20	-527.24	11.69	11.41	-4.13
4,173.00	43.59	315.52	4,015.33	-467.52	248.95	-506.62	12.55	12.03	-5.39
4,205.00	46.05	314.20	4,038.03	-451.62	232.96	-484.07	8.22	7.69	-4.13
4,236.00	48.30	313.32	4,059.10	-435.89	216.54	-461.34	7.55	7.26	-2.84
4,268.00	50.58	312.35	4,079.91	-419.37	198.71	-437.05	7.49	7.13	-3.03
4,299.00	52.87	312.09	4,099.11	-403.02	180.69	-412.74	7.42	7.39	-0.84
4,331.00	55.06	312.35	4,117.93	-385.63	161.53	-386.90	6.88	6.84	0.81
4,362.00	56.65	313.06	4,135.33	-368.23	142.68	-361.26	5.47	5.13	2.29
4,394.00	57.04	312.97	4,152.83	-349.95	123.09	-334.49	1.24	1.22	-0.28
4,425.00	58.23	312.97	4,169.43	-332.10	103.93	-308.32	3.84	3.84	0.00
4,457.00	57.96	313.32	4,186.34	-313.53	84.11	-281.17	1.25	-0.84	1.09
FTP MNCS_Cms top @ 4457.00 MD 4186.34 TVD									
4,488.00	58.05	313.06	4,202.76	-295.53	64.94	-254.89	0.77	0.29	-0.84
4,520.00	60.69	313.50	4,219.07	-276.66	44.90	-227.37	8.33	8.25	1.38
4,551.00	64.16	314.46	4,233.41	-257.58	25.13	-199.90	11.53	11.19	3.10
4,583.00	67.41	315.26	4,246.54	-236.99	4.45	-170.72	10.41	10.16	2.50
4,614.00	70.93	315.61	4,257.56	-216.35	-15.88	-141.75	11.40	11.35	1.13
4,646.00	75.06	315.87	4,266.92	-194.44	-37.23	-111.16	12.93	12.91	0.81
4,677.00	78.93	315.34	4,273.89	-172.86	-58.36	-80.97	12.59	12.48	-1.71
4,709.00	82.40	313.94	4,279.08	-150.68	-80.83	-49.40	11.67	10.84	-4.38
4,740.00	86.09	312.35	4,282.19	-129.59	-103.33	-18.57	12.95	11.90	-5.13
4,772.00	88.51	311.56	4,283.70	-108.23	-127.10	13.34	7.95	7.56	-2.47
4,803.00	88.77	311.04	4,284.43	-87.77	-150.38	44.27	1.87	0.84	-1.68
4,897.00	87.93	310.60	4,287.14	-26.35	-221.48	137.98	1.01	-0.89	-0.47
4,992.00	88.46	314.02	4,290.13	37.56	-291.69	232.81	3.64	0.56	3.60
5,086.00	87.93	314.64	4,293.09	103.21	-358.90	326.76	0.87	-0.56	0.66
5,181.00	87.06	314.46	4,297.25	169.79	-426.53	421.66	0.94	-0.92	-0.19
5,276.00	89.38	315.61	4,300.20	236.97	-493.63	516.61	2.73	2.44	1.21
5,370.00	89.82	315.43	4,300.85	304.03	-559.49	610.60	0.51	0.47	-0.19
5,464.00	88.95	314.29	4,301.86	370.33	-626.11	704.60	1.53	-0.93	-1.21
5,558.00	90.40	316.31	4,302.39	437.14	-692.23	798.59	2.65	1.54	2.15
5,653.00	89.87	316.40	4,302.17	505.89	-757.79	893.56	0.57	-0.56	0.09
5,747.00	90.13	317.45	4,302.17	574.55	-821.99	987.50	1.15	0.28	1.12
5,841.00	89.60	317.98	4,302.39	644.09	-885.24	1,081.40	0.80	-0.56	0.56
5,954.00	88.77	318.16	4,304.00	728.15	-960.74	1,194.22	0.75	-0.73	0.16
6,049.00	91.27	314.82	4,303.97	797.03	-1,026.13	1,289.17	4.39	2.63	-3.52
6,144.00	91.89	312.97	4,301.35	862.87	-1,094.56	1,384.11	2.05	0.65	-1.95
6,239.00	91.23	312.62	4,298.76	927.39	-1,164.24	1,479.01	0.79	-0.69	-0.37
6,333.00	90.88	311.74	4,297.03	990.50	-1,233.88	1,572.87	1.01	-0.37	-0.94
6,428.00	89.87	310.95	4,296.41	1,053.25	-1,305.20	1,667.68	1.35	-1.06	-0.83
6,523.00	90.00	314.02	4,296.52	1,117.40	-1,375.25	1,762.57	3.23	0.14	3.23



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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)
6,617.00	89.47	314.55	4,296.95	1,183.04	-1,442.54	1,856.57	0.80	-0.56	0.56
6,712.00	88.99	314.64	4,298.23	1,249.73	-1,510.19	1,951.55	0.51	-0.51	0.09
6,806.00	88.24	314.38	4,300.50	1,315.61	-1,577.20	2,045.52	0.84	-0.80	-0.28
6,901.00	87.23	313.76	4,304.25	1,381.63	-1,645.40	2,140.43	1.25	-1.06	-0.65
6,995.00	89.38	314.73	4,307.03	1,447.18	-1,712.70	2,234.38	2.51	2.29	1.03
7,090.00	91.93	315.61	4,305.95	1,514.55	-1,779.67	2,329.36	2.84	2.68	0.93
7,184.00	91.58	315.34	4,303.07	1,581.53	-1,845.55	2,423.32	0.47	-0.37	-0.29
7,279.00	90.70	315.08	4,301.18	1,648.94	-1,912.47	2,518.29	0.97	-0.93	-0.27
7,373.00	90.00	314.73	4,300.60	1,715.29	-1,979.04	2,612.29	0.83	-0.74	-0.37
7,468.00	89.30	314.55	4,301.19	1,782.04	-2,046.64	2,707.29	0.76	-0.74	-0.19
7,562.00	88.07	313.76	4,303.34	1,847.51	-2,114.06	2,801.25	1.56	-1.31	-0.84
7,657.00	90.18	315.34	4,304.79	1,914.14	-2,181.75	2,896.23	2.77	2.22	1.66
7,751.00	90.48	315.69	4,304.25	1,981.20	-2,247.61	2,990.22	0.49	0.32	0.37
7,846.00	89.56	314.99	4,304.22	2,048.77	-2,314.39	3,085.22	1.22	-0.97	-0.74
7,935.00	90.31	316.22	4,304.32	2,112.36	-2,376.65	3,174.21	1.62	0.84	1.38
8,030.00	90.00	315.34	4,304.06	2,180.45	-2,442.90	3,269.20	0.98	-0.33	-0.93
8,125.00	90.44	314.64	4,303.70	2,247.61	-2,510.09	3,364.20	0.87	0.46	-0.74
8,219.00	90.18	314.55	4,303.19	2,313.60	-2,577.02	3,458.20	0.29	-0.28	-0.10
8,313.00	89.56	313.94	4,303.40	2,379.19	-2,644.36	3,552.19	0.93	-0.66	-0.65
8,408.00	89.25	312.62	4,304.39	2,444.31	-2,713.52	3,647.14	1.43	-0.33	-1.39
8,502.00	89.82	317.28	4,305.15	2,510.70	-2,780.02	3,741.11	4.99	0.61	4.96
8,596.00	88.86	316.84	4,306.24	2,579.51	-2,844.05	3,835.04	1.12	-1.02	-0.47
8,691.00	88.29	316.40	4,308.60	2,648.54	-2,909.28	3,929.97	0.76	-0.60	-0.46
8,786.00	92.64	318.59	4,307.83	2,718.55	-2,973.45	4,024.85	5.13	4.58	2.31
8,880.00	92.90	318.68	4,303.28	2,789.01	-3,035.50	4,118.55	0.29	0.28	0.10
8,975.00	92.86	318.16	4,298.51	2,859.99	-3,098.46	4,213.26	0.55	-0.04	-0.55
9,070.00	92.94	317.80	4,293.70	2,930.47	-3,161.97	4,308.01	0.39	0.08	-0.38
9,165.00	89.38	316.66	4,291.78	3,000.18	-3,226.46	4,402.90	3.93	-3.75	-1.20
9,259.00	89.56	316.31	4,292.65	3,068.35	-3,291.18	4,496.87	0.42	0.19	-0.37
9,354.00	89.69	316.75	4,293.27	3,137.29	-3,356.54	4,591.83	0.48	0.14	0.46
9,448.00	89.74	316.84	4,293.74	3,205.81	-3,420.89	4,685.78	0.11	0.05	0.10
9,543.00	90.00	314.46	4,293.96	3,273.74	-3,487.29	4,780.77	2.52	0.27	-2.51
9,638.00	89.87	314.20	4,294.06	3,340.12	-3,555.25	4,875.76	0.31	-0.14	-0.27
9,732.00	89.74	313.94	4,294.38	3,405.50	-3,622.79	4,969.75	0.31	-0.14	-0.28
9,826.00	89.60	313.06	4,294.92	3,470.21	-3,690.97	5,063.72	0.95	-0.15	-0.94
9,920.00	89.65	312.35	4,295.54	3,533.96	-3,760.05	5,157.64	0.76	0.05	-0.76
10,015.00	88.95	314.38	4,296.70	3,599.18	-3,829.10	5,252.59	2.26	-0.74	2.14
10,110.00	88.73	314.11	4,298.62	3,665.45	-3,897.14	5,347.56	0.37	-0.23	-0.28
10,204.00	88.68	314.11	4,300.75	3,730.86	-3,964.62	5,441.52	0.05	-0.05	0.00
10,299.00	88.46	313.94	4,303.12	3,796.86	-4,032.90	5,536.48	0.29	-0.23	-0.18
10,393.00	88.33	313.59	4,305.75	3,861.86	-4,100.76	5,630.42	0.40	-0.14	-0.37
10,487.00	88.20	313.15	4,308.60	3,926.38	-4,169.06	5,724.34	0.49	-0.14	-0.47
10,582.00	89.38	315.78	4,310.60	3,992.90	-4,236.84	5,819.30	3.03	1.24	2.77



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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)	
10,677.00	89.34	315.43	4,311.67	4,060.78	-4,303.30	5,914.29	0.37	-0.04	-0.37	
10,771.00	89.34	315.52	4,312.75	4,127.79	-4,369.21	6,008.28	0.10	0.00	0.10	
10,865.00	89.17	315.17	4,313.97	4,194.65	-4,435.27	6,102.27	0.41	-0.18	-0.37	
10,960.00	88.86	314.64	4,315.60	4,261.70	-4,502.54	6,197.26	0.65	-0.33	-0.56	
11,054.00	88.90	314.38	4,317.44	4,327.59	-4,569.57	6,291.24	0.28	0.04	-0.28	
11,148.00	89.38	314.29	4,318.85	4,393.27	-4,636.79	6,385.22	0.52	0.51	-0.10	
11,243.00	89.96	314.29	4,319.40	4,459.61	-4,704.79	6,480.21	0.61	0.61	0.00	
11,338.00	89.82	314.11	4,319.58	4,525.84	-4,772.90	6,575.20	0.24	-0.15	-0.19	
11,433.00	89.60	313.23	4,320.06	4,591.44	-4,841.61	6,670.17	0.95	-0.23	-0.93	
11,527.00	89.38	312.53	4,320.90	4,655.40	-4,910.49	6,764.11	0.78	-0.23	-0.74	
11,622.00	89.30	316.05	4,321.99	4,721.72	-4,978.48	6,859.08	3.71	-0.08	3.71	
11,717.00	89.74	315.96	4,322.79	4,790.06	-5,044.46	6,954.06	0.47	0.46	-0.09	
11,811.00	89.87	314.64	4,323.11	4,856.87	-5,110.58	7,048.05	1.41	0.14	-1.40	
11,906.00	89.91	315.52	4,323.29	4,924.14	-5,177.66	7,143.05	0.93	0.04	0.93	
12,001.00	89.74	316.05	4,323.58	4,992.23	-5,243.91	7,238.04	0.59	-0.18	0.56	
12,095.00	90.00	315.69	4,323.80	5,059.70	-5,309.36	7,332.03	0.47	0.28	-0.38	
12,190.00	89.56	314.29	4,324.16	5,126.86	-5,376.54	7,427.03	1.54	-0.46	-1.47	
12,284.00	89.25	313.50	4,325.14	5,192.03	-5,444.28	7,521.01	0.90	-0.33	-0.84	
12,379.00	89.52	314.55	4,326.16	5,258.05	-5,512.58	7,615.98	1.14	0.28	1.11	
12,473.00	89.96	315.52	4,326.58	5,324.55	-5,579.01	7,709.98	1.13	0.47	1.03	
12,568.00	89.87	315.52	4,326.72	5,392.34	-5,645.57	7,804.98	0.09	-0.09	0.00	
12,662.00	89.87	314.20	4,326.94	5,458.64	-5,712.20	7,898.98	1.40	0.00	-1.40	
12,756.00	89.96	313.85	4,327.08	5,523.97	-5,779.79	7,992.96	0.38	0.10	-0.37	
12,851.00	89.91	314.02	4,327.18	5,589.88	-5,848.20	8,087.95	0.19	-0.05	0.18	
12,945.00	89.74	314.02	4,327.47	5,655.20	-5,915.79	8,181.93	0.18	-0.18	0.00	
13,039.00	89.60	314.55	4,328.01	5,720.84	-5,983.09	8,275.92	0.58	-0.15	0.56	
13,134.00	89.74	315.34	4,328.56	5,787.94	-6,050.32	8,370.92	0.84	0.15	0.83	
13,228.00	89.52	315.78	4,329.17	5,855.06	-6,116.14	8,464.91	0.52	-0.23	0.47	
13,323.00	90.00	316.75	4,329.56	5,923.70	-6,181.81	8,559.89	1.14	0.51	1.02	
13,417.00	89.74	317.28	4,329.78	5,992.46	-6,245.90	8,653.83	0.63	-0.28	0.56	
13,512.00	89.82	317.36	4,330.14	6,062.30	-6,310.30	8,748.75	0.12	0.08	0.08	
13,606.00	89.43	316.22	4,330.76	6,130.81	-6,374.66	8,842.70	1.28	-0.41	-1.21	
13,700.00	89.25	315.87	4,331.84	6,198.47	-6,439.90	8,936.68	0.42	-0.19	-0.37	
13,795.00	89.30	316.31	4,333.04	6,266.91	-6,505.78	9,031.65	0.47	0.05	0.46	
13,889.00	89.60	315.61	4,333.95	6,334.48	-6,571.12	9,125.64	0.81	0.32	-0.74	
13,984.00	89.52	314.20	4,334.67	6,401.54	-6,638.40	9,220.63	1.49	-0.08	-1.48	
14,078.00	89.65	313.76	4,335.36	6,466.81	-6,706.04	9,314.61	0.49	0.14	-0.47	
14,173.00	89.52	314.20	4,336.04	6,532.78	-6,774.40	9,409.59	0.48	-0.14	0.46	
14,268.00	89.78	314.38	4,336.62	6,599.11	-6,842.40	9,504.59	0.33	0.27	0.19	
14,362.00	89.82	313.50	4,336.95	6,664.34	-6,910.09	9,598.57	0.94	0.04	-0.94	
14,457.00	89.47	312.27	4,337.54	6,728.99	-6,979.69	9,693.50	1.35	-0.37	-1.29	
14,551.00	89.12	315.08	4,338.70	6,793.89	-7,047.67	9,787.46	3.01	-0.37	2.99	
14,646.00	89.38	315.08	4,339.94	6,861.15	-7,114.74	9,882.45	0.27	0.27	0.00	
14,740.00	90.22	314.99	4,340.27	6,927.66	-7,181.17	9,976.45	0.90	0.89	-0.10	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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)
14,835.00	90.26	314.20	4,339.87	6,994.36	-7,248.82	10,071.44	0.83	0.04	-0.83
14,930.00	90.13	313.59	4,339.55	7,060.22	-7,317.27	10,166.43	0.66	-0.14	-0.64
15,025.00	87.10	315.43	4,341.84	7,126.79	-7,384.99	10,261.38	3.73	-3.19	1.94
15,119.00	87.06	315.34	4,346.63	7,193.62	-7,450.92	10,355.25	0.10	-0.04	-0.10
15,214.00	87.01	314.90	4,351.55	7,260.84	-7,517.87	10,450.13	0.47	-0.05	-0.46
15,308.00	87.01	314.90	4,356.45	7,327.10	-7,584.36	10,544.00	0.00	0.00	0.00
15,402.00	88.51	315.78	4,360.12	7,393.91	-7,650.38	10,637.92	1.85	1.60	0.94
15,497.00	89.17	315.61	4,362.05	7,461.88	-7,716.72	10,732.89	0.72	0.69	-0.18
15,591.00	89.34	314.73	4,363.27	7,528.54	-7,782.99	10,826.89	0.95	0.18	-0.94
15,686.00	89.17	314.38	4,364.50	7,595.19	-7,850.68	10,921.87	0.41	-0.18	-0.37
15,781.00	88.99	313.94	4,366.03	7,661.36	-7,918.82	11,016.85	0.50	-0.19	-0.46
Survey @ 15781.00 MD 4366.03 TVD									
15,843.00	88.99	313.94	4,367.12	7,704.38	-7,963.46	11,078.83	0.00	0.00	0.00
Frac sleeve @ 15843.00 MD 4367.12 TVD									
15,861.00	88.99	313.94	4,367.44	7,716.86	-7,976.42	11,096.83	0.00	0.00	0.00
LTP 330 perp 15861 MD 4367 TVD									
15,966.00	88.99	313.94	4,369.29	7,789.71	-8,052.01	11,201.79	0.00	0.00	0.00
Survey Proj. to 15966.00 MD 4369.29 TVD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,700.00	2,620.17		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	418.98	-3.06	-1.39	MWD surveys
2,700.00	2,620.17	-379.05	206.97	9 5/8" Casing @ 2700.00 MD 2620.17 TVD
4,457.00	4,186.34	-313.53	84.11	FTP MNCS_Cms top @ 4457.00 MD 4186.34 TVD
15,781.00	4,366.03	7,661.36	-7,918.82	Survey @ 15781.00 MD 4366.03 TVD
15,843.00	4,367.12	7,704.38	-7,963.46	Frac sleeve @ 15843.00 MD 4367.12 TVD
15,861.00	4,367.44	7,716.86	-7,976.42	LTP 330 perp 15861 MD 4367 TVD
15,966.00	4,369.29	7,789.71	-8,052.01	Survey Proj. to 15966.00 MD 4369.29 TVD



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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. 756H, Surf loc: 2596 FSL 2115 FEL Section 23-T23N-R09W		
Well Position	+N/-S	0.00 ft	Northing: 1,896,582.444 usft
	+E/-W	0.00 ft	Easting: 2,745,792.920 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.212296000
		Longitude:	-107.756378000
		Ground Level:	6,719.00 ft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	9/30/2021	8.778
			Dip Angle (°)
			62.737
			Field Strength (nT)
			49,268.52521981

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)
	0.00	0.00	0.00
			Direction (°)
			315.00

Survey Program	Date	12/7/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
419.00	2,605.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard
2,660.00	15,781.00	MWD (Original Hole)	MWD	OWSG MWD - Standard
15,966.00	15,966.00	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	1,896,582.444	2,745,792.920	36.212296000	-107.756378000
419.00	0.92	204.34	418.98	-3.06	-1.39	1,896,579.379	2,745,791.534	36.212287584	-107.756382708
MWD surveys									
510.00	2.02	238.53	509.95	-4.57	-3.06	1,896,577.876	2,745,789.865	36.212283459	-107.756388370
601.00	2.37	245.47	600.89	-6.19	-6.14	1,896,576.258	2,745,786.785	36.212279019	-107.756398814
693.00	2.37	246.79	692.81	-7.73	-9.61	1,896,574.718	2,745,783.306	36.212274798	-107.756410611
784.00	2.02	250.21	783.74	-9.01	-12.85	1,896,573.434	2,745,780.068	36.212271276	-107.756421592
876.00	1.71	254.35	875.69	-9.93	-15.70	1,896,572.515	2,745,777.221	36.212268757	-107.756431247
965.00	1.49	250.48	964.66	-10.67	-18.07	1,896,571.770	2,745,774.851	36.212266716	-107.756439281
1,057.00	0.79	229.21	1,056.64	-11.49	-19.68	1,896,570.956	2,745,773.244	36.212264484	-107.756444732



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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	0.57	244.42	1,147.63	-12.09	-20.56	1,896,570.350	2,745,772.360	36.212262823	-107.756447728
1,238.00	0.66	244.42	1,237.63	-12.51	-21.43	1,896,569.933	2,745,771.489	36.212261679	-107.756450683
1,327.00	2.72	156.00	1,326.59	-14.66	-21.03	1,896,567.782	2,745,771.886	36.212255769	-107.756449344
1,417.00	6.06	144.66	1,416.32	-20.49	-17.42	1,896,561.955	2,745,775.503	36.212239752	-107.756437097
1,509.00	8.88	142.37	1,507.53	-30.08	-10.27	1,896,552.368	2,745,782.649	36.212213400	-107.756412898
1,601.00	10.68	140.88	1,598.19	-42.31	-0.56	1,896,540.129	2,745,792.364	36.212179758	-107.756379998
1,693.00	13.01	139.12	1,688.22	-56.76	11.60	1,896,525.684	2,745,804.522	36.212140049	-107.756338823
1,783.00	15.42	143.78	1,775.46	-74.08	25.30	1,896,508.368	2,745,818.225	36.212092451	-107.756292419
1,874.00	18.85	147.38	1,862.41	-96.23	40.38	1,896,486.219	2,745,833.303	36.212031572	-107.756241365
1,966.00	22.06	149.84	1,948.60	-123.69	57.08	1,896,458.756	2,745,849.999	36.211956092	-107.756184840
2,057.00	24.13	150.02	2,032.30	-154.58	74.96	1,896,427.865	2,745,867.882	36.211871193	-107.756124304
2,147.00	24.30	150.02	2,114.38	-186.55	93.41	1,896,395.890	2,745,886.328	36.211783313	-107.756061860
2,238.00	24.21	150.11	2,197.35	-218.95	112.06	1,896,363.494	2,745,904.982	36.211694279	-107.755998711
2,330.00	24.30	149.84	2,281.23	-251.67	130.97	1,896,330.773	2,745,923.893	36.211604348	-107.755934693
2,422.00	24.30	149.32	2,365.08	-284.32	150.14	1,896,298.125	2,745,943.063	36.211514622	-107.755869800
2,513.00	23.95	149.58	2,448.13	-316.35	169.05	1,896,266.095	2,745,961.969	36.211426589	-107.755805798
2,605.00	23.03	148.88	2,532.51	-347.86	187.80	1,896,234.586	2,745,980.725	36.211339988	-107.755742302
2,660.00	22.54	148.26	2,583.21	-366.03	198.91	1,896,216.410	2,745,991.831	36.211290035	-107.755704704
2,700.00	22.46	148.21	2,620.17	-379.05	206.97	1,896,203.395	2,745,999.889	36.211254264	-107.755677423
9 5/8" Casing @ 2700.00 MD 2620.17 TVD									
2,726.00	22.41	148.18	2,644.20	-387.48	212.20	1,896,194.963	2,746,005.118	36.211231087	-107.755659719
2,820.00	23.99	151.25	2,730.60	-419.46	230.84	1,896,162.981	2,746,023.759	36.211143189	-107.755596617
2,915.00	23.95	149.49	2,817.41	-453.01	249.92	1,896,129.436	2,746,042.837	36.211050997	-107.755532035
3,009.00	21.31	146.51	2,904.17	-483.70	269.03	1,896,098.748	2,746,061.952	36.210966651	-107.755467321
3,104.00	18.11	141.93	2,993.59	-509.73	287.67	1,896,072.719	2,746,080.588	36.210895107	-107.755404220
3,198.00	14.77	144.66	3,083.74	-531.01	303.61	1,896,051.437	2,746,096.532	36.210836608	-107.755350230
3,292.00	12.74	150.02	3,175.04	-549.76	315.72	1,896,032.682	2,746,108.644	36.210785059	-107.755309224
3,387.00	8.61	153.36	3,268.38	-565.20	324.15	1,896,017.246	2,746,117.070	36.210742635	-107.755280701
3,481.00	5.14	145.63	3,361.69	-574.97	329.68	1,896,007.478	2,746,122.604	36.210715789	-107.755261969
3,575.00	3.82	151.78	3,455.40	-581.20	333.54	1,896,001.243	2,746,126.462	36.210698653	-107.755248908
3,670.00	1.45	143.34	3,550.30	-584.96	335.76	1,895,997.490	2,746,128.677	36.210688338	-107.755241412
3,733.00	1.01	134.46	3,613.28	-585.98	336.63	1,895,996.461	2,746,129.549	36.210685511	-107.755238458
3,764.00	0.22	147.38	3,644.28	-586.23	336.86	1,895,996.220	2,746,129.776	36.210684847	-107.755237689
3,796.00	3.21	333.18	3,676.26	-585.48	336.48	1,895,996.968	2,746,129.405	36.210686903	-107.755238945
3,827.00	6.86	332.31	3,707.14	-583.06	335.23	1,895,999.383	2,746,128.152	36.210693539	-107.755243184
3,859.00	10.59	332.66	3,738.76	-578.76	332.99	1,896,003.688	2,746,125.913	36.210705372	-107.755250763
3,891.00	14.28	330.72	3,770.01	-572.70	329.71	1,896,009.745	2,746,122.631	36.210722017	-107.755261871
3,922.00	17.75	329.93	3,799.80	-565.27	325.47	1,896,017.171	2,746,118.392	36.210742428	-107.755276220
3,954.00	21.05	329.58	3,829.98	-556.09	320.12	1,896,026.351	2,746,113.037	36.210767657	-107.755294349
3,985.00	23.47	328.70	3,858.67	-546.02	314.09	1,896,036.428	2,746,107.010	36.210795353	-107.755314752
4,016.00	26.63	325.71	3,886.75	-535.00	306.97	1,896,047.446	2,746,099.887	36.210825636	-107.755338869
4,047.00	29.58	321.93	3,914.09	-523.23	298.33	1,896,059.213	2,746,091.252	36.210857981	-107.755368107
4,079.00	32.83	320.09	3,941.46	-510.36	287.89	1,896,072.089	2,746,080.813	36.210893374	-107.755403457
4,110.00	36.21	318.51	3,967.00	-497.05	276.43	1,896,085.397	2,746,069.352	36.210929960	-107.755442272
4,142.00	39.86	317.19	3,992.20	-482.44	263.20	1,896,100.006	2,746,056.117	36.210970119	-107.755487098
4,173.00	43.59	315.52	4,015.33	-467.52	248.95	1,896,114.924	2,746,041.873	36.211011134	-107.755535344
4,205.00	46.05	314.20	4,038.03	-451.62	232.96	1,896,130.829	2,746,025.882	36.211054861	-107.755589507
4,236.00	48.30	313.32	4,059.10	-435.89	216.54	1,896,146.551	2,746,009.460	36.211098086	-107.755645132
4,268.00	50.58	312.35	4,079.91	-419.37	198.71	1,896,163.076	2,745,991.631	36.211143521	-107.755705524
4,299.00	52.87	312.09	4,099.11	-403.02	180.69	1,896,179.428	2,745,973.609	36.211188480	-107.755766572
4,331.00	55.06	312.35	4,117.93	-385.63	161.53	1,896,196.816	2,745,954.447	36.211236290	-107.755831482
4,362.00	56.65	313.06	4,135.33	-368.23	142.68	1,896,214.217	2,745,935.596	36.211284133	-107.755895339
4,394.00	57.04	312.97	4,152.83	-349.95	123.09	1,896,232.493	2,745,916.007	36.211334382	-107.755961692
4,425.00	58.23	312.97	4,169.43	-332.10	103.93	1,896,250.340	2,745,896.848	36.211383452	-107.756026590



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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
4,457.00	57.96	313.32	4,186.34	-313.53	84.11	1,896,268.917	2,745,877.028	36.211434528	-107.756093729
FTP MNCS_Cms top @ 4457.00 MD 4186.34 TVD									
4,488.00	58.05	313.06	4,202.76	-295.53	64.94	1,896,286.911	2,745,857.859	36.211484001	-107.756158659
4,520.00	60.69	313.50	4,219.07	-276.66	44.90	1,896,305.787	2,745,837.816	36.211535900	-107.756226552
4,551.00	64.16	314.46	4,233.41	-257.58	25.13	1,896,324.868	2,745,818.049	36.211588360	-107.756293509
4,583.00	67.41	315.26	4,246.54	-236.99	4.45	1,896,345.453	2,745,797.367	36.211644953	-107.756363563
4,614.00	70.93	315.61	4,257.56	-216.35	-15.88	1,896,366.093	2,745,777.040	36.211701697	-107.756432415
4,646.00	75.06	315.87	4,266.92	-194.44	-37.23	1,896,388.004	2,745,755.688	36.211761937	-107.756504736
4,677.00	78.93	315.34	4,273.89	-172.86	-58.36	1,896,409.582	2,745,734.560	36.211821258	-107.756576300
4,709.00	82.40	313.94	4,279.08	-150.68	-80.83	1,896,431.763	2,745,712.095	36.211882242	-107.756652394
4,740.00	86.09	312.35	4,282.19	-129.59	-103.33	1,896,452.850	2,745,689.594	36.211940219	-107.756728612
4,772.00	88.51	311.56	4,283.70	-108.23	-127.10	1,896,474.218	2,745,665.825	36.211998970	-107.756809130
4,803.00	88.77	311.04	4,284.43	-87.77	-150.38	1,896,494.672	2,745,642.543	36.212055210	-107.756888001
4,897.00	87.93	310.60	4,287.14	-26.35	-221.48	1,896,556.092	2,745,571.437	36.212224090	-107.757128878
4,992.00	88.46	314.02	4,290.13	37.56	-291.69	1,896,620.000	2,745,501.229	36.212399801	-107.757366707
5,086.00	87.93	314.64	4,293.09	103.21	-358.90	1,896,685.653	2,745,434.023	36.212580300	-107.757594358
5,181.00	87.06	314.46	4,297.25	169.79	-426.53	1,896,752.234	2,745,366.388	36.212763349	-107.757823460
5,276.00	89.38	315.61	4,300.20	236.97	-493.63	1,896,819.412	2,745,299.292	36.212948038	-107.758050733
5,370.00	89.82	315.43	4,300.85	304.03	-559.49	1,896,886.478	2,745,233.432	36.213132416	-107.758273819
5,464.00	88.95	314.29	4,301.86	370.33	-626.11	1,896,952.778	2,745,166.807	36.213314689	-107.758499499
5,558.00	90.40	316.31	4,302.39	437.14	-692.23	1,897,019.587	2,745,100.695	36.213498359	-107.758723444
5,653.00	89.87	316.40	4,302.17	505.89	-757.79	1,897,088.331	2,745,035.128	36.213687345	-107.758945536
5,747.00	90.13	317.45	4,302.17	574.55	-821.99	1,897,156.993	2,744,970.931	36.213876101	-107.759162983
5,841.00	89.60	317.98	4,302.39	644.09	-885.24	1,897,226.534	2,744,907.687	36.214067270	-107.759377200
5,954.00	88.77	318.16	4,304.00	728.15	-960.74	1,897,310.593	2,744,832.186	36.214298343	-107.759632930
6,049.00	91.27	314.82	4,303.97	797.03	-1,026.13	1,897,379.476	2,744,766.795	36.214487710	-107.759854428
6,144.00	91.89	312.97	4,301.35	862.87	-1,094.56	1,897,445.315	2,744,698.366	36.214668718	-107.760086233
6,239.00	91.23	312.62	4,298.76	927.39	-1,164.24	1,897,509.832	2,744,628.683	36.214846095	-107.760322297
6,333.00	90.88	311.74	4,297.03	990.50	-1,233.88	1,897,572.938	2,744,559.038	36.215019596	-107.760558234
6,428.00	89.87	310.95	4,296.41	1,053.25	-1,305.20	1,897,635.691	2,744,487.720	36.215192133	-107.760799844
6,523.00	90.00	314.02	4,296.52	1,117.40	-1,375.25	1,897,699.846	2,744,417.671	36.215368516	-107.761037153
6,617.00	89.47	314.55	4,296.95	1,183.04	-1,442.54	1,897,765.478	2,744,350.380	36.215548951	-107.761265107
6,712.00	88.99	314.64	4,298.23	1,249.73	-1,510.19	1,897,832.170	2,744,282.738	36.215732299	-107.761494249
6,806.00	88.24	314.38	4,300.50	1,315.61	-1,577.20	1,897,898.048	2,744,215.724	36.215913406	-107.761721265
6,901.00	87.23	313.76	4,304.25	1,381.63	-1,645.40	1,897,964.071	2,744,147.522	36.216094916	-107.761952309
6,995.00	89.38	314.73	4,307.03	1,447.18	-1,712.70	1,898,029.624	2,744,080.219	36.216275133	-107.762180310
7,090.00	91.93	315.61	4,305.95	1,514.55	-1,779.67	1,898,096.987	2,744,013.254	36.216460321	-107.762407159
7,184.00	91.58	315.34	4,303.07	1,581.53	-1,845.55	1,898,163.972	2,743,947.370	36.216644467	-107.762630345
7,279.00	90.70	315.08	4,301.18	1,648.94	-1,912.47	1,898,231.379	2,743,880.456	36.216829773	-107.762857026
7,373.00	90.00	314.73	4,300.60	1,715.29	-1,979.04	1,898,297.735	2,743,813.880	36.217012192	-107.763082563
7,468.00	89.30	314.55	4,301.19	1,782.04	-2,046.64	1,898,364.485	2,743,746.286	36.217195694	-107.763311552
7,562.00	88.07	313.76	4,303.34	1,847.51	-2,114.06	1,898,429.946	2,743,678.864	36.217375657	-107.763539958
7,657.00	90.18	315.34	4,304.79	1,914.14	-2,181.75	1,898,496.578	2,743,611.178	36.217558835	-107.763769262
7,751.00	90.48	315.69	4,304.25	1,981.20	-2,247.61	1,898,563.640	2,743,545.312	36.217743188	-107.763992396
7,846.00	89.56	314.99	4,304.22	2,048.77	-2,314.39	1,898,631.211	2,743,478.538	36.217928944	-107.764218607
7,935.00	90.31	316.22	4,304.32	2,112.36	-2,376.65	1,898,694.803	2,743,416.275	36.218103758	-107.764429534
8,030.00	90.00	315.34	4,304.06	2,180.45	-2,442.90	1,898,762.885	2,743,350.021	36.218290915	-107.764653980
8,125.00	90.44	314.64	4,303.70	2,247.61	-2,510.09	1,898,830.047	2,743,282.836	36.218475546	-107.764881591
8,219.00	90.18	314.55	4,303.19	2,313.60	-2,577.02	1,898,896.042	2,743,215.901	36.218656971	-107.765108355
8,313.00	89.56	313.94	4,303.40	2,379.19	-2,644.36	1,898,961.628	2,743,148.564	36.218837271	-107.765336485
8,408.00	89.25	312.62	4,304.39	2,444.31	-2,713.52	1,899,026.751	2,743,079.408	36.219016304	-107.765570782
8,502.00	89.82	317.28	4,305.15	2,510.70	-2,780.02	1,899,093.141	2,743,012.903	36.219198809	-107.765796090
8,596.00	88.86	316.84	4,306.24	2,579.51	-2,844.05	1,899,161.949	2,742,948.873	36.219387955	-107.766013005
8,691.00	88.29	316.40	4,308.60	2,648.54	-2,909.28	1,899,230.975	2,742,883.644	36.219577698	-107.766233982
8,786.00	92.64	318.59	4,307.83	2,718.55	-2,973.45	1,899,300.987	2,742,819.478	36.219770149	-107.766451356



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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
8,880.00	92.90	318.68	4,303.28	2,789.01	-3,035.50	1,899,371.452	2,742,757.431	36.219963842	-107.766661547
8,975.00	92.86	318.16	4,298.51	2,859.99	-3,098.46	1,899,442.425	2,742,694.462	36.220158930	-107.766874860
9,070.00	92.94	317.80	4,293.70	2,930.47	-3,161.97	1,899,512.911	2,742,630.952	36.220352680	-107.767090013
9,165.00	89.38	316.66	4,291.78	3,000.18	-3,226.46	1,899,582.622	2,742,566.466	36.220544303	-107.767308476
9,259.00	89.56	316.31	4,292.65	3,068.35	-3,291.18	1,899,650.787	2,742,501.746	36.220731680	-107.767527738
9,354.00	89.69	316.75	4,293.27	3,137.29	-3,356.54	1,899,719.730	2,742,436.390	36.220921194	-107.767749155
9,448.00	89.74	316.84	4,293.74	3,205.81	-3,420.89	1,899,788.246	2,742,372.037	36.221109535	-107.767967172
9,543.00	90.00	314.46	4,293.96	3,273.74	-3,487.29	1,899,856.174	2,742,305.634	36.221296261	-107.768192145
9,638.00	89.87	314.20	4,294.06	3,340.12	-3,555.25	1,899,922.559	2,742,237.678	36.221478751	-107.768422385
9,732.00	89.74	313.94	4,294.38	3,405.50	-3,622.79	1,899,987.939	2,742,170.141	36.221658480	-107.768651210
9,826.00	89.60	313.06	4,294.92	3,470.21	-3,690.97	1,900,052.642	2,742,101.957	36.221836351	-107.768882227
9,920.00	89.65	312.35	4,295.54	3,533.96	-3,760.05	1,900,116.393	2,742,032.883	36.222011607	-107.769116268
10,015.00	88.95	314.38	4,296.70	3,599.18	-3,829.10	1,900,181.615	2,741,963.828	36.222190904	-107.769350243
10,110.00	88.73	314.11	4,298.62	3,665.45	-3,897.14	1,900,247.886	2,741,895.787	36.222373077	-107.769580775
10,204.00	88.68	314.11	4,300.75	3,730.86	-3,964.62	1,900,313.296	2,741,828.312	36.222552888	-107.769809393
10,299.00	88.46	313.94	4,303.12	3,796.86	-4,032.90	1,900,379.298	2,741,760.025	36.222734323	-107.770040764
10,393.00	88.33	313.59	4,305.75	3,861.86	-4,100.76	1,900,444.292	2,741,692.167	36.222912990	-107.770270685
10,487.00	88.20	313.15	4,308.60	3,926.38	-4,169.06	1,900,508.813	2,741,623.867	36.223090356	-107.770502107
10,582.00	89.38	315.78	4,310.60	3,992.90	-4,236.84	1,900,575.336	2,741,556.090	36.223273222	-107.770731750
10,677.00	89.34	315.43	4,311.67	4,060.78	-4,303.30	1,900,643.212	2,741,489.633	36.223459802	-107.770956919
10,771.00	89.34	315.52	4,312.75	4,127.79	-4,369.21	1,900,710.225	2,741,423.722	36.223644006	-107.771180235
10,865.00	89.17	315.17	4,313.97	4,194.65	-4,435.27	1,900,777.086	2,741,357.662	36.223827796	-107.771404063
10,960.00	88.86	314.64	4,315.60	4,261.70	-4,502.54	1,900,844.139	2,741,290.386	36.224012116	-107.771632012
11,054.00	88.90	314.38	4,317.44	4,327.59	-4,569.57	1,900,910.023	2,741,223.365	36.224193223	-107.771859100
11,148.00	89.38	314.29	4,318.85	4,393.27	-4,636.79	1,900,975.708	2,741,156.137	36.224373781	-107.772086887
11,243.00	89.96	314.29	4,319.40	4,459.61	-4,704.79	1,901,042.044	2,741,088.137	36.224556129	-107.772317298
11,338.00	89.82	314.11	4,319.58	4,525.84	-4,772.90	1,901,108.274	2,741,020.030	36.224738187	-107.772548068
11,433.00	89.60	313.23	4,320.06	4,591.44	-4,841.61	1,901,173.871	2,740,951.316	36.224918504	-107.772780902
11,527.00	89.38	312.53	4,320.90	4,655.40	-4,910.49	1,901,237.831	2,740,882.438	36.225094327	-107.773014295
11,622.00	89.30	316.05	4,321.99	4,721.72	-4,978.48	1,901,304.154	2,740,814.451	36.225276638	-107.773244664
11,717.00	89.74	315.96	4,322.79	4,790.06	-5,044.46	1,901,372.494	2,740,748.467	36.225464487	-107.773468237
11,811.00	89.87	314.64	4,323.11	4,856.87	-5,110.58	1,901,439.307	2,740,682.350	36.225648140	-107.773692267
11,906.00	89.91	315.52	4,323.29	4,924.14	-5,177.66	1,901,506.575	2,740,615.269	36.225833045	-107.773919563
12,001.00	89.74	316.05	4,323.58	4,992.23	-5,243.91	1,901,574.664	2,740,549.022	36.226020201	-107.774144035
12,095.00	90.00	315.69	4,323.80	5,059.70	-5,309.36	1,901,642.133	2,740,483.571	36.226205654	-107.774365807
12,190.00	89.56	314.29	4,324.16	5,126.86	-5,376.54	1,901,709.294	2,740,416.387	36.226390264	-107.774593458
12,284.00	89.25	313.50	4,325.14	5,192.03	-5,444.28	1,901,774.463	2,740,348.653	36.226569403	-107.774822975
12,379.00	89.52	314.55	4,326.16	5,258.05	-5,512.58	1,901,840.481	2,740,280.350	36.226750872	-107.775054425
12,473.00	89.96	315.52	4,326.58	5,324.55	-5,579.01	1,901,906.988	2,740,213.924	36.226933681	-107.775279509
12,568.00	89.87	315.52	4,326.72	5,392.34	-5,645.57	1,901,974.769	2,740,147.362	36.227119993	-107.775505055
12,662.00	89.87	314.20	4,326.94	5,458.64	-5,712.20	1,902,041.073	2,740,080.733	36.227302244	-107.775730829
12,756.00	89.96	313.85	4,327.08	5,523.97	-5,779.79	1,902,106.400	2,740,013.144	36.227481814	-107.775959863
12,851.00	89.91	314.02	4,327.18	5,589.88	-5,848.20	1,902,172.315	2,739,944.732	36.227662999	-107.776191687
12,945.00	89.74	314.02	4,327.47	5,655.20	-5,915.79	1,902,237.636	2,739,877.138	36.227842551	-107.776420742
13,039.00	89.60	314.55	4,328.01	5,720.84	-5,983.09	1,902,303.268	2,739,809.847	36.228022956	-107.776648767
13,134.00	89.74	315.34	4,328.56	5,787.94	-6,050.32	1,902,370.377	2,739,742.609	36.228207417	-107.776876610
13,228.00	89.52	315.78	4,329.17	5,855.06	-6,116.14	1,902,437.489	2,739,676.796	36.228391887	-107.777099625
13,323.00	90.00	316.75	4,329.56	5,923.70	-6,181.81	1,902,506.130	2,739,611.122	36.228580552	-107.777322166
13,417.00	89.74	317.28	4,329.78	5,992.46	-6,245.90	1,902,574.893	2,739,547.032	36.228769553	-107.777539334
13,512.00	89.82	317.36	4,330.14	6,062.30	-6,310.30	1,902,644.732	2,739,482.632	36.228961507	-107.777757555
13,606.00	89.43	316.22	4,330.76	6,130.81	-6,374.66	1,902,713.241	2,739,418.275	36.229149809	-107.777975633
13,700.00	89.25	315.87	4,331.84	6,198.47	-6,439.90	1,902,780.905	2,739,353.035	36.229335791	-107.778196708
13,795.00	89.30	316.31	4,333.04	6,266.91	-6,505.78	1,902,849.340	2,739,287.156	36.229523891	-107.778419951
13,889.00	89.60	315.61	4,333.95	6,334.48	-6,571.12	1,902,916.909	2,739,221.814	36.229709609	-107.778641372
13,984.00	89.52	314.20	4,334.67	6,401.54	-6,638.40	1,902,983.969	2,739,154.532	36.229893933	-107.778869377



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 756H
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. 756H	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
14,078.00	89.65	313.76	4,335.36	6,466.81	-6,706.04	1,903,049.241	2,739,086.893	36.230073345	-107.779098594
14,173.00	89.52	314.20	4,336.04	6,532.78	-6,774.40	1,903,115.207	2,739,018.535	36.230254667	-107.779330251
14,268.00	89.78	314.38	4,336.62	6,599.11	-6,842.40	1,903,181.544	2,738,950.534	36.230437002	-107.779560696
14,362.00	89.82	313.50	4,336.95	6,664.34	-6,910.09	1,903,246.769	2,738,882.849	36.230616286	-107.779790073
14,457.00	89.47	312.27	4,337.54	6,728.99	-6,979.69	1,903,311.417	2,738,813.243	36.230793984	-107.780025965
14,551.00	89.12	315.08	4,338.70	6,793.89	-7,047.67	1,903,376.319	2,738,745.268	36.230972376	-107.780256328
14,646.00	89.38	315.08	4,339.94	6,861.15	-7,114.74	1,903,443.581	2,738,678.193	36.231157254	-107.780483637
14,740.00	90.22	314.99	4,340.27	6,927.66	-7,181.17	1,903,510.089	2,738,611.767	36.231340055	-107.780708749
14,835.00	90.26	314.20	4,339.87	6,994.36	-7,248.82	1,903,576.786	2,738,544.120	36.231523380	-107.780938000
14,930.00	90.13	313.59	4,339.55	7,060.22	-7,317.27	1,903,642.653	2,738,475.662	36.231704422	-107.781170000
15,025.00	87.10	315.43	4,341.84	7,126.79	-7,384.99	1,903,709.220	2,738,407.945	36.231887388	-107.781399491
15,119.00	87.06	315.34	4,346.63	7,193.62	-7,450.92	1,903,776.046	2,738,342.011	36.232071062	-107.781622937
15,214.00	87.01	314.90	4,351.55	7,260.84	-7,517.87	1,903,843.271	2,738,275.067	36.232255833	-107.781849808
15,308.00	87.01	314.90	4,356.45	7,327.10	-7,584.36	1,903,909.533	2,738,208.574	36.232437956	-107.782075153
15,402.00	88.51	315.78	4,360.12	7,393.91	-7,650.38	1,903,976.341	2,738,142.555	36.232621579	-107.782298890
15,497.00	89.17	315.61	4,362.05	7,461.88	-7,716.72	1,904,044.311	2,738,076.214	36.232808395	-107.782523719
15,591.00	89.34	314.73	4,363.27	7,528.54	-7,782.99	1,904,110.970	2,738,009.949	36.232991607	-107.782748289
15,686.00	89.17	314.38	4,364.50	7,595.19	-7,850.68	1,904,177.615	2,737,942.261	36.233174785	-107.782977692
15,781.00	88.99	313.94	4,366.03	7,661.36	-7,918.82	1,904,243.789	2,737,874.117	36.233356669	-107.783208638
Survey @ 15781.00 MD 4366.03 TVD									
15,843.00	88.99	313.94	4,367.12	7,704.38	-7,963.46	1,904,286.805	2,737,829.480	36.233474899	-107.783359919
Frac sleeve @ 15843.00 MD 4367.12 TVD									
15,861.00	88.99	313.94	4,367.44	7,716.86	-7,976.42	1,904,299.293	2,737,816.521	36.233509224	-107.783403840
LTP 330 perp 15861 MD 4367 TVD									
15,966.00	88.99	313.94	4,369.29	7,789.71	-8,052.01	1,904,372.142	2,737,740.926	36.233709451	-107.783660043
Survey Proj. to 15966.00 MD 4369.29 TVD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,700.00	2,620.17		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	418.98	-3.06	-1.39	MWD surveys
2,700.00	2,620.17	-379.05	206.97	9 5/8" Casing @ 2700.00 MD 2620.17 TVD
4,457.00	4,186.34	-313.53	84.11	FTP MNCS_Cms top @ 4457.00 MD 4186.34 TVD
15,781.00	4,366.03	7,661.36	-7,918.82	Survey @ 15781.00 MD 4366.03 TVD
15,843.00	4,367.12	7,704.38	-7,963.46	Frac sleeve @ 15843.00 MD 4367.12 TVD
15,861.00	4,367.44	7,716.86	-7,976.42	LTP 330 perp 15861 MD 4367 TVD
15,966.00	4,369.29	7,789.71	-8,052.01	Survey Proj. to 15966.00 MD 4369.29 TVD

WELL NAME: W LYBROOK UNIT 756H**OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-Cms formation****API Number:** 30-045-38262**AFE Number:** DV03012**ER Well Number:** NM06438.01**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 2,596 ft FSL 2,115 ft FEL**BH Location:** 15-23N-09W Sec-Twn- Rng 240 ft FNL 529 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)	2,680 ft
KOP (MD)	3,814 ft
KOP (TVD)	3,683 ft
Target (TVD)	4,290 ft
Curve BUR	10 °/100 ft
POE (MD)	4,811 ft
TD (MD)	15,943 ft
Lat Len (ft)	11,132 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	2,680	9.625	36.0	J-55	LTC	0	2,680
Production	8.500	15,943	5.500	17.0	P-110	LTC	0	15,943

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	517
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,180	136
Prod. (Lead)	Type III	12.3	2.260	12.8	0.2691	65%	0	554
Prod. (Tail)	G:POZ blend	13.3	1.550	7.7	0.2291	10%	4,085	1,928

COMPLETION / PRODUCTION SUMMARY:**Frac:** 48 (+/-) plug-and-perf stages with 335,000 bbls slickwater fluid and 13,500,000 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	2,480	2,546
Menefee	2,500	2,568
Point Lookout	3,461	3,591
Mancos	3,614	3,745
Gallup (MNCS_A)	3,944	4,085
MNCS_B	4,044	4,205
MNCS_C	4,137	4,338
MNCS_Cms	4,275	4,661
P.O.E. TARGET	4,290	4,811
PROJECTED TD	4,346	15,943

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

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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 68756

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 68756
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 68756

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 68756
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 4/7/2022	3/9/2022