

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 30-045-38263	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 321259	⁸ Property Name W LYBROOK UNIT		⁹ Well Number #757H

II. ¹⁰ Surface Location

UL or lot no. G	Section 23	Township 23N	Range 9W	Lot Idn	Feet from the 2627'	North/South Line South	Feet from the 2140'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. C	Section 15	Township 23N	Range 9W	Lot Idn	Feet from the 173'	North/South line North	Feet from the 2223'	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 8/3/2021	²² Ready Date 1/7/2022	²³ TD 14827' MD 4344' TVD	²⁴ PBDT 14695' MD 4338' TVD	²⁵ Perforations ~ 4768'-14695' MD ~ 4273'-4338' 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		364' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2744' MD		657 sx- surface
8-1/2"		5-1/2",17#, P-110		14817' MD		2533 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 30-045-38263	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 321259	⁵ Property Name W LYBROOK UNIT	⁶ Well Number 757H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6719'

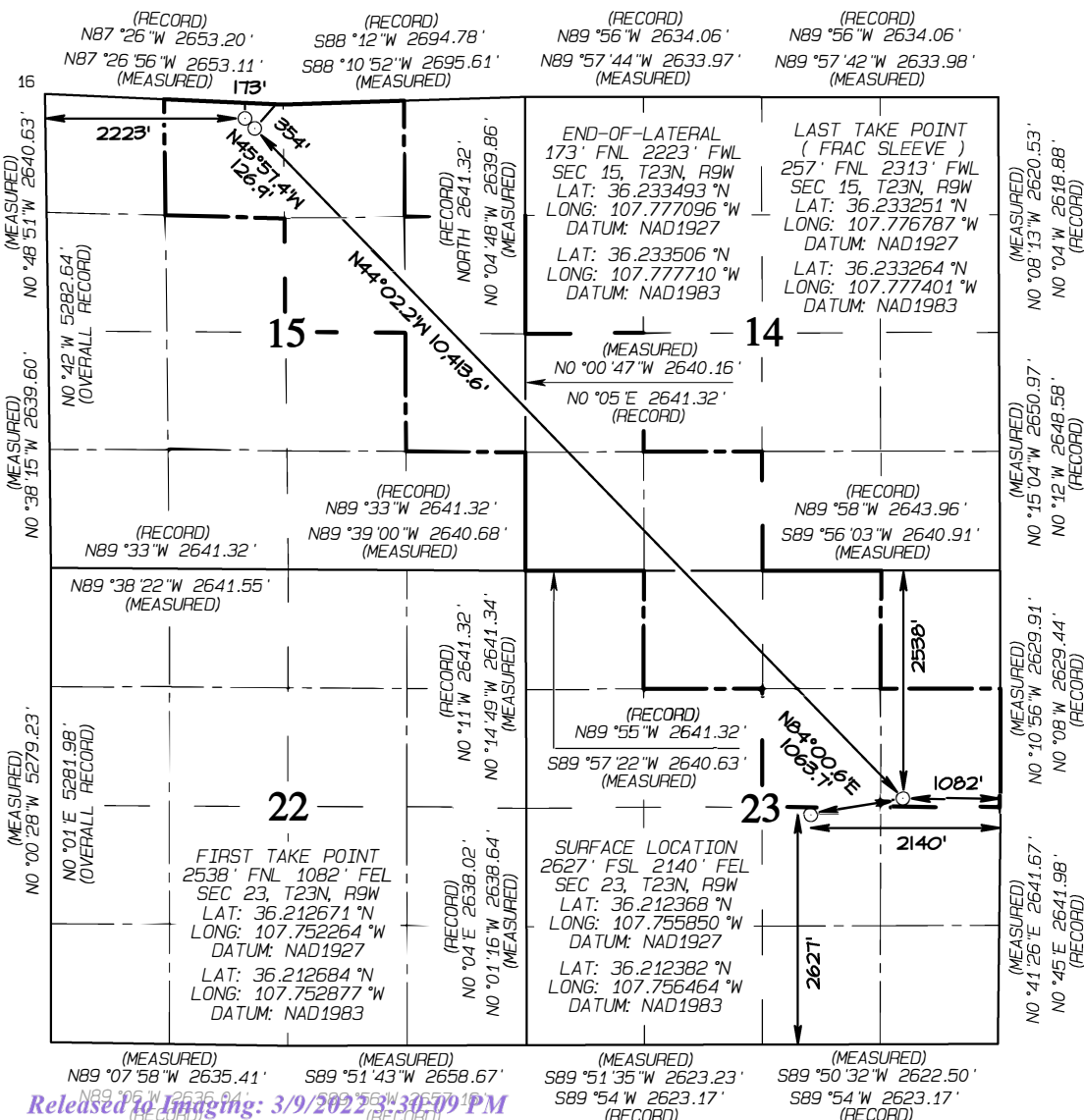
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	23	23N	9W		2627	SOUTH	2140	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
C	15	23N	9W		173	NORTH	2223	WEST	SAN JUAN

¹² Dedicated Acres 480.00	NE/4 NW/4, W/2 NE/4 SE/4 NE/4 - Section 23 NE/4 NW/4, W/2 NE/4 SE/4 NE/4, NE/4 SE/4 - Section 15 W/2 SW/4, SE/4 SW/4 - Section 14	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14051 - 12,807.24 Acres
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NO ALLOWABLE WILL BE ASSIGNED
TO THIS COMPLETION UNTIL ALL
INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS
BEEN APPROVED BY THE DIVISION¹⁷ 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 12/13/21Printed Name
hhuntington@enduringresources.com
E-mail Address¹⁸ 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. 757H
Site: W Lybrook Unit
Project: San Juan County, New Mexico NAD83 NM W
Design: Surveys Original Hole
Rig:

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
419.00	0.92	240.37	418.98	-1.66	-2.92	0.89	MWD surveys
2734.00	28.90	86.72	2623.71	24.88	492.31	-330.52	9 5/8" Casing @ 2734.00 MD 2623.71 TVD
3994.00	24.04	16.15	3737.19	110.86	1057.99	-669.72	FTP 330 perp @ 3994.00 MD 3737.19 TVD
4589.00	59.59	321.65	4195.20	431.24	911.05	-339.28	MNCS_Cms top 4589.00 MD 4195.20 TVD
14700.00	87.63	314.13	4338.64	7597.16	-6180.67	9742.40	Frac sleeve @ 14700.00 MD 4338.64 TVD
14714.00	87.59	314.09	4339.22	7606.89	-6190.71	9756.38	LTP 330 perp @ 14714.00 MD 4339.22 TVD
14761.00	87.41	314.02	4341.27	7639.54	-6224.46	9803.33	Survey @ 14761.00 MD 4341.27 TVD
14827.00	87.41	314.02	4344.26	7685.36	-6271.87	9869.25	Survey Proj. to 14827.00 MD 4344.26 TVD

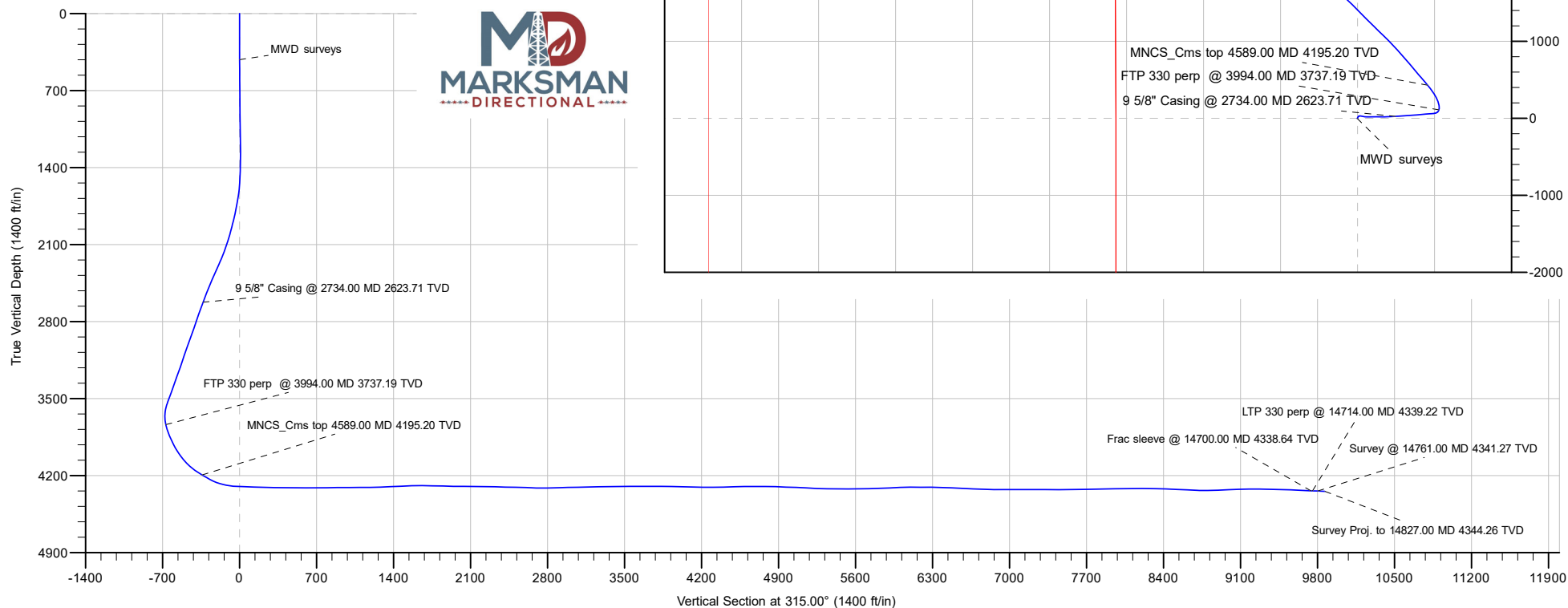
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone
 System Datum: Mean Sea Level
 Depth Reference: RKB=6719+28 @ 6747.00ft
 Northing 1896613.730 Easting 2745767.527 Latitude 36.212382000 Longitude -107.756464000



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

Magnetic Field
 Strength: 49266.9nT
 Dip Angle: 62.74°
 Date: 10/6/2021
 Model: IGRF2020

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.731°





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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. 757H, Surf loc: 2627 FSL 2140 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,896,613.730 usft	Latitude:	36.212382000
	+E/-W	0.00 ft	Easting:	2,745,767.526 usft	Longitude:	-107.756464000
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	10/6/2021	8.776	62.736	49,266.88238592

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	2,684.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,753.00	14,761.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,827.00	14,827.00	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	240.37	418.98	-1.66	-2.92	0.89	0.22	0.22	0.00	
MWD surveys										
510.00	1.19	20.47	509.98	-1.14	-3.23	1.48	2.18	0.30	153.96	
601.00	2.50	29.61	600.93	1.47	-1.92	2.40	1.47	1.44	10.04	
692.00	2.81	30.14	691.83	5.13	0.18	3.50	0.34	0.34	0.58	
784.00	2.90	33.04	783.71	9.03	2.58	4.56	0.18	0.10	3.15	
875.00	2.63	31.81	874.61	12.73	4.94	5.51	0.30	-0.30	-1.35	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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	2.55	32.16	964.52	16.18	7.09	6.43	0.09	-0.09	0.39
1,056.00	2.24	38.14	1,055.44	19.29	9.27	7.09	0.44	-0.34	6.57
1,148.00	1.98	36.11	1,147.37	21.99	11.32	7.55	0.29	-0.28	-2.21
1,238.00	1.67	33.92	1,237.33	24.34	12.97	8.04	0.35	-0.34	-2.43
1,326.00	1.27	18.27	1,325.30	26.33	13.99	8.73	0.64	-0.45	-17.78
1,416.00	2.94	55.27	1,415.24	28.59	16.20	8.76	2.30	1.86	41.11
1,509.00	6.28	78.04	1,507.93	31.00	23.13	5.56	4.03	3.59	24.48
1,601.00	8.88	95.79	1,599.13	31.33	35.13	-2.68	3.77	2.83	19.29
1,693.00	11.03	102.74	1,689.75	28.67	50.78	-15.63	2.67	2.34	7.55
1,783.00	13.32	101.59	1,777.72	24.69	69.33	-31.57	2.56	2.54	-1.28
1,873.00	16.61	95.62	1,864.66	21.35	92.30	-50.17	4.03	3.66	-6.63
1,966.00	20.43	91.40	1,952.83	19.65	121.77	-72.21	4.35	4.11	-4.54
2,057.00	23.34	89.64	2,037.26	19.37	155.68	-96.38	3.28	3.20	-1.93
2,147.00	25.97	88.85	2,119.05	19.88	193.21	-122.57	2.95	2.92	-0.88
2,238.00	28.92	90.34	2,199.80	20.15	235.15	-152.03	3.33	3.24	1.64
2,330.00	32.08	90.34	2,279.06	19.87	281.83	-185.24	3.43	3.43	0.00
2,422.00	33.00	90.61	2,356.62	19.46	331.32	-220.52	1.01	1.00	0.29
2,513.00	32.21	87.79	2,433.28	20.13	380.33	-254.70	1.88	-0.87	-3.10
2,605.00	30.89	87.53	2,511.68	22.09	428.43	-287.32	1.44	-1.43	-0.28
2,684.00	29.31	87.79	2,580.02	23.71	468.02	-314.17	2.01	-2.00	0.33
2,734.00	28.90	86.72	2,623.71	24.88	492.31	-330.52	1.33	-0.83	-2.15
9 5/8" Casing @ 2734.00 MD 2623.71 TVD									
2,753.00	28.74	86.30	2,640.36	25.44	501.45	-336.59	1.33	-0.82	-2.19
2,816.00	28.70	85.68	2,695.61	27.55	531.65	-356.45	0.48	-0.06	-0.98
2,911.00	27.38	84.63	2,779.46	31.32	576.14	-385.25	1.48	-1.39	-1.11
3,005.00	28.87	87.09	2,862.36	34.49	620.33	-414.25	2.01	1.59	2.62
3,100.00	28.74	86.56	2,945.60	37.03	666.03	-444.78	0.30	-0.14	-0.56
3,194.00	28.78	85.16	3,028.01	40.29	711.14	-474.36	0.72	0.04	-1.49
3,288.00	27.91	85.68	3,110.74	43.86	755.63	-503.30	0.96	-0.93	0.55
3,383.00	26.76	85.51	3,195.13	47.21	799.12	-531.68	1.21	-1.21	-0.18
3,477.00	29.79	85.95	3,277.90	50.51	843.52	-560.74	3.23	3.22	0.47
3,572.00	27.38	84.72	3,361.32	54.19	888.82	-590.17	2.61	-2.54	-1.29
3,666.00	30.28	85.16	3,443.66	58.18	933.97	-619.27	3.09	3.09	0.47
3,729.00	29.93	84.19	3,498.16	61.11	965.43	-639.45	0.95	-0.56	-1.54
3,761.00	30.37	85.24	3,525.83	62.59	981.43	-649.72	2.15	1.38	3.28
3,792.00	28.56	82.43	3,552.82	64.22	996.59	-659.29	7.35	-5.84	-9.06
3,824.00	26.59	75.40	3,581.19	67.03	1,011.11	-667.56	11.88	-6.16	-21.97
3,855.00	24.08	67.05	3,609.22	71.25	1,023.65	-673.45	14.07	-8.10	-26.94
3,887.00	22.72	55.01	3,638.60	77.34	1,034.73	-676.98	15.51	-4.25	-37.63
3,918.00	22.50	42.53	3,667.24	85.15	1,043.65	-677.76	15.47	-0.71	-40.26
3,950.00	22.81	31.46	3,696.78	94.96	1,051.03	-676.05	13.34	0.97	-34.59
3,981.00	23.55	20.56	3,725.29	105.89	1,056.35	-672.08	14.03	2.39	-35.16
3,994.00	24.04	16.15	3,737.19	110.86	1,057.99	-669.72	14.19	3.78	-33.91
FTP 330 perp @ 3994.00 MD 3737.19 TVD									



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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)	
4,012.00	24.92	10.36	3,753.57	118.12	1,059.70	-665.80	14.19	4.88	-32.17	
4,044.00	26.32	1.75	3,782.43	131.84	1,061.13	-657.10	12.42	4.38	-26.91	
4,075.00	27.64	356.12	3,810.06	145.89	1,060.85	-646.97	9.27	4.26	-18.16	
4,106.00	27.33	353.40	3,837.57	160.13	1,059.54	-635.98	4.17	-1.00	-8.77	
4,138.00	27.29	350.41	3,866.00	174.67	1,057.48	-624.24	4.29	-0.13	-9.34	
4,169.00	29.31	346.54	3,893.30	189.06	1,054.53	-611.98	8.80	6.52	-12.48	
4,201.00	31.07	342.76	3,920.96	204.56	1,050.26	-598.00	8.09	5.50	-11.81	
4,233.00	32.48	340.22	3,948.16	220.53	1,044.90	-582.91	6.07	4.41	-7.94	
4,264.00	34.06	337.58	3,974.08	236.39	1,038.77	-567.37	6.91	5.10	-8.52	
4,296.00	36.08	334.68	4,000.27	253.20	1,031.32	-550.22	8.18	6.31	-9.06	
4,327.00	37.97	332.48	4,025.02	269.91	1,023.01	-532.52	7.44	6.10	-7.10	
4,358.00	40.12	330.37	4,049.10	287.05	1,013.67	-513.79	8.15	6.94	-6.81	
4,390.00	42.63	328.18	4,073.11	305.22	1,002.85	-493.30	9.05	7.84	-6.84	
4,421.00	45.22	326.77	4,095.44	323.35	991.29	-472.30	8.93	8.35	-4.55	
4,453.00	48.34	325.45	4,117.35	342.70	978.28	-449.42	10.20	9.75	-4.13	
4,484.00	51.55	323.69	4,137.30	362.03	964.52	-426.03	11.23	10.35	-5.68	
4,516.00	54.67	322.29	4,156.50	382.46	949.11	-400.69	10.36	9.75	-4.38	
4,547.00	58.10	322.11	4,173.66	402.85	933.29	-375.08	11.08	11.06	-0.58	
4,579.00	59.85	321.85	4,190.15	424.45	916.40	-347.86	5.51	5.47	-0.81	
4,589.00	59.59	321.65	4,195.20	431.24	911.05	-339.28	3.08	-2.55	-1.99	
MNCS_Cms top 4589.00 MD 4195.20 TVD										
4,610.00	59.06	321.23	4,205.91	445.36	899.80	-321.34	3.08	-2.55	-2.01	
4,642.00	59.72	320.44	4,222.20	466.71	882.40	-293.94	2.96	2.06	-2.47	
4,673.00	62.71	319.12	4,237.13	487.45	864.86	-266.87	10.34	9.65	-4.26	
4,705.00	65.39	318.51	4,251.13	509.10	845.91	-238.16	8.55	8.38	-1.91	
4,736.00	69.08	317.80	4,263.12	530.39	826.84	-209.62	12.09	11.90	-2.29	
4,768.00	72.95	318.51	4,273.53	552.93	806.66	-179.42	12.27	12.09	2.22	
4,799.00	75.59	319.03	4,281.94	575.37	787.00	-149.64	8.67	8.52	1.68	
4,830.00	79.37	319.47	4,288.66	598.29	767.25	-119.47	12.27	12.19	1.42	
4,893.00	85.43	320.35	4,296.98	646.05	727.05	-57.28	9.72	9.62	1.40	
4,988.00	88.73	319.65	4,301.82	718.71	666.08	37.22	3.55	3.47	-0.74	
5,082.00	88.15	319.12	4,304.38	790.04	604.91	130.91	0.84	-0.62	-0.56	
5,177.00	87.50	319.03	4,307.99	861.77	542.72	225.60	0.69	-0.68	-0.09	
5,272.00	89.47	315.78	4,310.50	931.67	478.46	320.47	4.00	2.07	-3.42	
5,366.00	88.90	315.26	4,311.84	998.73	412.60	414.45	0.82	-0.61	-0.55	
5,460.00	90.40	315.52	4,312.41	1,065.64	346.59	508.45	1.62	1.60	0.28	
5,554.00	90.35	313.50	4,311.80	1,131.54	279.56	602.44	2.15	-0.05	-2.15	
5,649.00	89.65	312.62	4,311.80	1,196.40	210.15	697.38	1.18	-0.74	-0.93	
5,743.00	91.01	316.75	4,311.25	1,262.48	143.34	791.35	4.63	1.45	4.39	
5,837.00	90.31	315.78	4,310.17	1,330.40	78.36	885.32	1.27	-0.74	-1.03	
5,950.00	90.62	315.08	4,309.25	1,410.89	-0.94	998.31	0.68	0.27	-0.62	
6,045.00	90.26	314.20	4,308.52	1,477.64	-68.53	1,093.31	1.00	-0.38	-0.93	
6,140.00	90.35	313.15	4,308.02	1,543.24	-137.24	1,188.28	1.11	0.09	-1.11	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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)	
6,234.00	92.50	316.93	4,305.68	1,609.72	-203.63	1,282.23	4.62	2.29	4.02	
6,329.00	92.46	316.22	4,301.57	1,678.65	-268.87	1,377.10	0.75	-0.04	-0.75	
6,424.00	92.50	315.52	4,297.46	1,746.77	-334.95	1,472.00	0.74	0.04	-0.74	
6,518.00	92.64	315.08	4,293.24	1,813.52	-401.01	1,565.91	0.49	0.15	-0.47	
6,613.00	88.73	316.40	4,292.11	1,881.54	-467.29	1,660.87	4.34	-4.12	1.39	
6,707.00	88.73	316.05	4,294.19	1,949.40	-532.30	1,754.83	0.37	0.00	-0.37	
6,802.00	88.81	315.17	4,296.23	2,017.27	-598.74	1,849.80	0.93	0.08	-0.93	
6,896.00	89.03	315.17	4,298.00	2,083.92	-665.00	1,943.78	0.23	0.23	0.00	
6,991.00	89.52	315.52	4,299.20	2,151.49	-731.77	2,038.77	0.63	0.52	0.37	
7,085.00	88.90	314.11	4,300.50	2,217.74	-798.44	2,132.76	1.64	-0.66	-1.50	
7,180.00	89.30	316.57	4,301.99	2,285.30	-865.20	2,227.74	2.62	0.42	2.59	
7,275.00	89.03	316.05	4,303.38	2,353.98	-930.82	2,322.70	0.62	-0.28	-0.55	
7,369.00	88.77	315.69	4,305.18	2,421.44	-996.26	2,416.68	0.47	-0.28	-0.38	
7,463.00	88.33	315.34	4,307.56	2,488.48	-1,062.10	2,510.64	0.60	-0.47	-0.37	
7,558.00	88.07	314.64	4,310.54	2,555.61	-1,129.26	2,605.59	0.79	-0.27	-0.74	
7,652.00	87.93	313.76	4,313.83	2,621.10	-1,196.60	2,699.53	0.95	-0.15	-0.94	
7,747.00	91.49	315.78	4,314.31	2,687.99	-1,264.03	2,794.50	4.31	3.75	2.13	
7,841.00	91.58	315.08	4,311.79	2,754.93	-1,329.97	2,888.47	0.75	0.10	-0.74	
7,936.00	91.58	314.64	4,309.17	2,821.92	-1,397.29	2,983.43	0.46	0.00	-0.46	
8,030.00	91.32	314.11	4,306.79	2,887.64	-1,464.46	3,077.39	0.63	-0.28	-0.56	
8,125.00	91.19	313.85	4,304.71	2,953.59	-1,532.80	3,172.36	0.31	-0.14	-0.27	
8,220.00	91.19	312.97	4,302.74	3,018.86	-1,601.80	3,267.30	0.93	0.00	-0.93	
8,314.00	90.70	316.84	4,301.19	3,085.20	-1,668.35	3,361.27	4.15	-0.52	4.12	
8,408.00	90.62	316.22	4,300.10	3,153.41	-1,733.02	3,455.23	0.66	-0.09	-0.66	
8,503.00	90.66	316.22	4,299.04	3,222.00	-1,798.74	3,550.20	0.04	0.04	0.00	
8,597.00	90.18	315.87	4,298.35	3,289.66	-1,863.99	3,644.18	0.63	-0.51	-0.37	
8,692.00	89.82	314.38	4,298.35	3,356.98	-1,931.01	3,739.18	1.61	-0.38	-1.57	
8,787.00	89.25	313.59	4,299.12	3,422.96	-1,999.36	3,834.16	1.03	-0.60	-0.83	
8,881.00	88.81	313.32	4,300.71	3,487.60	-2,067.59	3,928.11	0.55	-0.47	-0.29	
8,976.00	88.90	312.88	4,302.61	3,552.50	-2,136.94	4,023.04	0.47	0.09	-0.46	
9,071.00	88.90	312.71	4,304.44	3,617.02	-2,206.64	4,117.95	0.18	0.00	-0.18	
9,166.00	88.42	311.39	4,306.66	3,680.63	-2,277.16	4,212.80	1.48	-0.51	-1.39	
9,260.00	91.01	314.38	4,307.13	3,744.59	-2,346.02	4,306.71	4.21	2.76	3.18	
9,354.00	91.58	314.73	4,305.00	3,810.52	-2,412.99	4,400.69	0.71	0.61	0.37	
9,449.00	91.49	314.46	4,302.46	3,877.20	-2,480.61	4,495.65	0.30	-0.09	-0.28	
9,544.00	90.83	317.28	4,300.53	3,945.36	-2,546.74	4,590.61	3.05	-0.69	2.97	
9,639.00	90.09	316.05	4,299.77	4,014.46	-2,611.93	4,685.56	1.51	-0.78	-1.29	
9,733.00	89.25	315.61	4,300.31	4,081.88	-2,677.43	4,779.55	1.01	-0.89	-0.47	
9,827.00	88.46	314.99	4,302.19	4,148.68	-2,743.53	4,873.53	1.07	-0.84	-0.66	
9,921.00	88.11	314.20	4,305.00	4,214.65	-2,810.44	4,967.48	0.92	-0.37	-0.84	
10,016.00	87.67	313.76	4,308.50	4,280.57	-2,878.75	5,062.40	0.65	-0.46	-0.46	
10,111.00	87.10	312.62	4,312.84	4,345.52	-2,947.94	5,157.26	1.34	-0.60	-1.20	
10,205.00	86.44	311.48	4,318.13	4,408.38	-3,017.63	5,250.98	1.40	-0.70	-1.21	
10,299.00	89.56	313.41	4,321.41	4,471.77	-3,086.94	5,344.81	3.90	3.32	2.05	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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)
10,394.00	90.13	312.71	4,321.67	4,536.63	-3,156.35	5,439.76	0.95	0.60	-0.74
10,488.00	90.00	312.62	4,321.56	4,600.34	-3,225.47	5,533.68	0.17	-0.14	-0.10
10,583.00	89.65	312.62	4,321.85	4,664.67	-3,295.37	5,628.60	0.37	-0.37	0.00
10,678.00	92.02	317.54	4,320.47	4,731.90	-3,362.42	5,723.55	5.75	2.49	5.18
10,772.00	92.33	317.36	4,316.90	4,801.10	-3,425.94	5,817.40	0.38	0.33	-0.19
10,866.00	92.37	317.01	4,313.05	4,869.99	-3,489.78	5,911.25	0.37	0.04	-0.37
10,960.00	92.42	316.40	4,309.12	4,938.35	-3,554.18	6,005.13	0.65	0.05	-0.65
11,054.00	91.05	317.54	4,306.27	5,007.03	-3,618.29	6,099.02	1.90	-1.46	1.21
11,149.00	88.77	317.89	4,306.42	5,077.31	-3,682.20	6,193.91	2.43	-2.40	0.37
11,244.00	88.99	317.54	4,308.28	5,147.58	-3,746.11	6,288.79	0.44	0.23	-0.37
11,339.00	88.81	316.93	4,310.10	5,217.31	-3,810.60	6,383.70	0.67	-0.19	-0.64
11,433.00	88.15	315.34	4,312.60	5,285.05	-3,875.71	6,477.64	1.83	-0.70	-1.69
11,528.00	87.54	314.55	4,316.17	5,352.11	-3,942.91	6,572.57	1.05	-0.64	-0.83
11,623.00	87.01	314.11	4,320.68	5,418.42	-4,010.78	6,667.46	0.72	-0.56	-0.46
11,717.00	86.84	312.79	4,325.73	5,482.97	-4,078.93	6,761.29	1.41	-0.18	-1.40
11,812.00	89.69	315.42	4,328.60	5,549.05	-4,147.10	6,856.21	4.08	3.00	2.77
11,907.00	90.40	314.73	4,328.53	5,616.31	-4,214.18	6,951.21	1.04	0.75	-0.73
12,002.00	90.40	315.17	4,327.87	5,683.43	-4,281.42	7,046.21	0.46	0.00	0.46
12,096.00	90.13	314.82	4,327.43	5,749.89	-4,347.89	7,140.21	0.47	-0.29	-0.37
12,187.00	89.87	313.50	4,327.43	5,813.28	-4,413.17	7,231.20	1.48	-0.29	-1.45
12,279.00	89.56	312.09	4,327.89	5,875.78	-4,480.68	7,323.12	1.57	-0.34	-1.53
12,370.00	89.21	311.12	4,328.87	5,936.20	-4,548.72	7,413.96	1.13	-0.38	-1.07
12,461.00	90.75	315.34	4,328.90	5,998.52	-4,615.00	7,504.89	4.94	1.69	4.64
12,552.00	90.97	316.22	4,327.53	6,063.72	-4,678.46	7,595.87	1.00	0.24	0.97
12,644.00	91.14	315.69	4,325.84	6,129.84	-4,742.41	7,687.84	0.60	0.18	-0.58
12,736.00	91.10	314.99	4,324.04	6,195.27	-4,807.06	7,779.82	0.76	-0.04	-0.76
12,828.00	90.97	314.55	4,322.38	6,260.05	-4,872.37	7,871.81	0.50	-0.14	-0.48
12,919.00	90.84	314.11	4,320.94	6,323.63	-4,937.45	7,962.79	0.50	-0.14	-0.48
13,009.00	90.84	313.32	4,319.62	6,385.82	-5,002.50	8,052.76	0.88	0.00	-0.88
13,101.00	91.23	318.24	4,317.96	6,451.72	-5,066.63	8,144.70	5.36	0.42	5.35
13,192.00	88.90	317.98	4,317.85	6,519.46	-5,127.38	8,235.56	2.58	-2.56	-0.29
13,287.00	88.42	317.28	4,320.08	6,589.63	-5,191.39	8,330.44	0.89	-0.51	-0.74
13,381.00	88.15	316.57	4,322.89	6,658.26	-5,255.56	8,424.34	0.81	-0.29	-0.76
13,476.00	87.71	316.05	4,326.32	6,726.91	-5,321.14	8,519.25	0.72	-0.46	-0.55
13,570.00	87.41	315.52	4,330.32	6,794.22	-5,386.63	8,613.16	0.65	-0.32	-0.56
13,665.00	86.84	314.99	4,335.09	6,861.61	-5,453.42	8,708.04	0.82	-0.60	-0.56
13,759.00	91.49	315.34	4,336.46	6,928.24	-5,519.67	8,802.00	4.96	4.95	0.37
13,853.00	92.15	314.82	4,333.47	6,994.77	-5,586.01	8,895.95	0.89	0.70	-0.55
13,948.00	92.42	314.29	4,329.68	7,061.37	-5,653.65	8,990.87	0.63	0.28	-0.56
14,041.00	92.37	313.76	4,325.80	7,125.94	-5,720.46	9,083.78	0.57	-0.05	-0.57
14,136.00	89.78	317.01	4,324.02	7,193.54	-5,787.16	9,178.74	4.37	-2.73	3.42
14,230.00	89.52	316.57	4,324.59	7,262.05	-5,851.52	9,272.69	0.54	-0.28	-0.47
14,325.00	88.90	316.40	4,325.90	7,330.94	-5,916.92	9,367.65	0.68	-0.65	-0.18



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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)
14,420.00	88.46	315.78	4,328.09	7,399.36	-5,982.79	9,462.61	0.80	-0.46	-0.65
14,514.00	87.80	315.26	4,331.16	7,466.39	-6,048.61	9,556.55	0.89	-0.70	-0.55
14,609.00	87.67	314.73	4,334.91	7,533.51	-6,115.74	9,651.48	0.57	-0.14	-0.56
14,700.00	87.63	314.13	4,338.64	7,597.16	-6,180.67	9,742.40	0.66	-0.04	-0.66
Frac sleeve @ 14700.00 MD 4338.64 TVD									
14,703.00	87.63	314.11	4,338.76	7,599.24	-6,182.82	9,745.39	0.66	-0.04	-0.66
14,714.00	87.59	314.09	4,339.22	7,606.89	-6,190.71	9,756.38	0.41	-0.38	-0.16
LTP 330 perp @ 14714.00 MD 4339.22 TVD									
14,761.00	87.41	314.02	4,341.27	7,639.54	-6,224.46	9,803.33	0.41	-0.38	-0.16
Survey @ 14761.00 MD 4341.27 TVD									
14,827.00	87.41	314.02	4,344.26	7,685.36	-6,271.87	9,869.25	0.00	0.00	0.00
Survey Proj. to 14827.00 MD 4344.26 TVD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,734.00	2,623.71		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	-1.66	-2.92	MWD surveys
2,734.00	2,623.71	24.88	492.31	9 5/8" Casing @ 2734.00 MD 2623.71 TVD
3,994.00	3,737.19	110.86	1,057.99	FTP 330 perp @ 3994.00 MD 3737.19 TVD
4,589.00	4,195.20	431.24	911.05	MNCS_Cms top 4589.00 MD 4195.20 TVD
14,700.00	4,338.64	7,597.16	-6,180.67	Frac sleeve @ 14700.00 MD 4338.64 TVD
14,714.00	4,339.22	7,606.89	-6,190.71	LTP 330 perp @ 14714.00 MD 4339.22 TVD
14,761.00	4,341.27	7,639.54	-6,224.46	Survey @ 14761.00 MD 4341.27 TVD
14,827.00	4,344.26	7,685.36	-6,271.87	Survey Proj. to 14827.00 MD 4344.26 TVD



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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. 757H, Surf loc: 2627 FSL 2140 FEL Section 23-T23N-R09W		
Well Position	+N/-S	0.00 ft	Northing: 1,896,613.730 usft
	+E/-W	0.00 ft	Easting: 2,745,767.526 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.212382000
		Longitude:	-107.756464000
		Ground Level:	6,719.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/6/2021	8.776	62.736	49,266.88238592

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	2,684.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,753.00	14,761.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,827.00	14,827.00	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	1,896,613.730	2,745,767.526	36.212382000	-107.756464000
419.00	0.92	240.37	418.98	-1.66	-2.92	1,896,612.067	2,745,764.602	36.212377438	-107.756473916
MWD surveys									
510.00	1.19	20.47	509.98	-1.14	-3.23	1,896,612.591	2,745,764.298	36.212378878	-107.756474947
601.00	2.50	29.61	600.93	1.47	-1.92	1,896,615.202	2,745,765.609	36.212386048	-107.756470496
692.00	2.81	30.14	691.83	5.13	0.18	1,896,618.856	2,745,767.709	36.212396083	-107.756463365
784.00	2.90	33.04	783.71	9.03	2.58	1,896,622.757	2,745,770.111	36.212406794	-107.756455214
875.00	2.63	31.81	874.61	12.73	4.94	1,896,626.461	2,745,772.466	36.212416964	-107.756447219
965.00	2.55	32.16	964.52	16.18	7.09	1,896,629.911	2,745,774.620	36.212426436	-107.756439908
1,056.00	2.24	38.14	1,055.44	19.29	9.27	1,896,633.023	2,745,776.796	36.212434981	-107.756432524



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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	1.98	36.11	1,147.37	21.99	11.32	1,896,635.721	2,745,778.843	36.212442389	-107.756425577
1,238.00	1.67	33.92	1,237.33	24.34	12.97	1,896,638.066	2,745,780.491	36.212448825	-107.756419984
1,326.00	1.27	18.27	1,325.30	26.33	13.99	1,896,640.056	2,745,781.512	36.212454290	-107.756416516
1,416.00	2.94	55.27	1,415.24	28.59	16.20	1,896,642.318	2,745,783.722	36.212460500	-107.756409019
1,509.00	6.28	78.04	1,507.93	31.00	23.13	1,896,644.732	2,745,790.661	36.212467116	-107.756385491
1,601.00	8.88	95.79	1,599.13	31.33	35.13	1,896,645.058	2,745,802.652	36.212467986	-107.756344842
1,693.00	11.03	102.74	1,689.75	28.67	50.78	1,896,642.401	2,745,818.303	36.212460652	-107.756291794
1,783.00	13.32	101.59	1,777.72	24.69	69.33	1,896,638.419	2,745,836.859	36.212449672	-107.756228900
1,873.00	16.61	95.62	1,864.66	21.35	92.30	1,896,635.075	2,745,859.824	36.212440436	-107.756151058
1,966.00	20.43	91.40	1,952.83	19.65	121.77	1,896,633.376	2,745,889.292	36.212435704	-107.756051172
2,057.00	23.34	89.64	2,037.26	19.37	155.68	1,896,633.101	2,745,923.203	36.212434875	-107.755936216
2,147.00	25.97	88.85	2,119.05	19.88	193.21	1,896,633.609	2,745,960.739	36.212436187	-107.755808970
2,238.00	28.92	90.34	2,199.80	20.15	235.15	1,896,633.878	2,746,002.672	36.212436835	-107.755666819
2,330.00	32.08	90.34	2,279.06	19.87	281.83	1,896,633.601	2,746,049.359	36.212435971	-107.755508556
2,422.00	33.00	90.61	2,356.62	19.46	331.32	1,896,633.189	2,746,098.842	36.212434731	-107.755340813
2,513.00	32.21	87.79	2,433.28	20.13	380.33	1,896,633.861	2,746,147.860	36.212436467	-107.755174645
2,605.00	30.89	87.53	2,511.68	22.09	428.43	1,896,635.824	2,746,195.957	36.212441754	-107.755011595
2,684.00	29.31	87.79	2,580.02	23.71	468.02	1,896,637.444	2,746,235.542	36.212446116	-107.754877401
2,734.00	28.90	86.72	2,623.71	24.88	492.31	1,896,638.608	2,746,259.832	36.212449259	-107.754795057
9 5/8" Casing @ 2734.00 MD 2623.71 TVD									
2,753.00	28.74	86.30	2,640.36	25.44	501.45	1,896,639.166	2,746,268.973	36.212450771	-107.754764067
2,816.00	28.70	85.68	2,695.61	27.55	531.65	1,896,641.283	2,746,299.172	36.212456519	-107.754661689
2,911.00	27.38	84.63	2,779.46	31.32	576.14	1,896,645.045	2,746,343.669	36.212466757	-107.754510838
3,005.00	28.87	87.09	2,862.36	34.49	620.33	1,896,648.221	2,746,387.856	36.212475381	-107.754361038
3,100.00	28.74	86.56	2,945.60	37.03	666.03	1,896,650.755	2,746,433.559	36.212482242	-107.754206102
3,194.00	28.78	85.16	3,028.01	40.29	711.14	1,896,654.021	2,746,478.665	36.212491110	-107.754053186
3,288.00	27.91	85.68	3,110.74	43.86	755.63	1,896,657.587	2,746,523.151	36.212500808	-107.753902373
3,383.00	26.76	85.51	3,195.13	47.21	799.12	1,896,660.936	2,746,566.645	36.212509910	-107.753754924
3,477.00	29.79	85.95	3,277.90	50.51	843.52	1,896,664.243	2,746,611.044	36.212518894	-107.753604403
3,572.00	27.38	84.72	3,361.32	54.19	888.82	1,896,667.920	2,746,656.344	36.212528894	-107.753450832
3,666.00	30.28	85.16	3,443.66	58.18	933.97	1,896,671.910	2,746,701.490	36.212539751	-107.753297777
3,729.00	29.93	84.19	3,498.16	61.11	965.43	1,896,674.841	2,746,732.953	36.212547732	-107.753191113
3,761.00	30.37	85.24	3,525.83	62.59	981.43	1,896,676.320	2,746,748.957	36.212551760	-107.753136857
3,792.00	28.56	82.43	3,552.82	64.22	996.59	1,896,677.947	2,746,764.114	36.212556194	-107.753085472
3,824.00	26.59	75.40	3,581.19	67.03	1,011.11	1,896,680.761	2,746,778.632	36.212563891	-107.753036248
3,855.00	24.08	67.05	3,609.22	71.25	1,023.65	1,896,684.978	2,746,791.175	36.212575446	-107.752993715
3,887.00	22.72	55.01	3,638.60	77.34	1,034.73	1,896,691.071	2,746,802.257	36.212592159	-107.752956134
3,918.00	22.50	42.53	3,667.24	85.15	1,043.65	1,896,698.879	2,746,811.176	36.212613590	-107.752925876
3,950.00	22.81	31.46	3,696.78	94.96	1,051.03	1,896,708.687	2,746,818.555	36.212640515	-107.752900832
3,981.00	23.55	20.56	3,725.29	105.89	1,056.35	1,896,719.617	2,746,823.869	36.212670528	-107.752882789
3,994.00	24.04	16.15	3,737.19	110.86	1,057.99	1,896,724.592	2,746,825.518	36.212684192	-107.752877185
FTP 330 perp @ 3994.00 MD 3737.19 TVD									
4,012.00	24.92	10.36	3,753.57	118.12	1,059.70	1,896,731.846	2,746,827.220	36.212704114	-107.752871394
4,044.00	26.32	1.75	3,782.43	131.84	1,061.13	1,896,745.574	2,746,828.650	36.212741823	-107.752866510
4,075.00	27.64	356.12	3,810.06	145.89	1,060.85	1,896,759.620	2,746,828.373	36.212780411	-107.752867408
4,106.00	27.33	353.40	3,837.57	160.13	1,059.54	1,896,773.864	2,746,827.068	36.212819543	-107.752871791
4,138.00	27.29	350.41	3,866.00	174.67	1,057.48	1,896,788.395	2,746,825.002	36.212859466	-107.752878755
4,169.00	29.31	346.54	3,893.30	189.06	1,054.53	1,896,802.784	2,746,822.051	36.212899002	-107.752888717
4,201.00	31.07	342.76	3,920.96	204.56	1,050.26	1,896,818.291	2,746,817.780	36.212941609	-107.752903153
4,233.00	32.48	340.22	3,948.16	220.53	1,044.90	1,896,834.264	2,746,812.425	36.212985501	-107.752921262
4,264.00	34.06	337.58	3,974.08	236.39	1,038.77	1,896,850.123	2,746,806.296	36.213029081	-107.752941992
4,296.00	36.08	334.68	4,000.27	253.20	1,031.32	1,896,866.927	2,746,798.847	36.213075260	-107.752967196
4,327.00	37.97	332.48	4,025.02	269.91	1,023.01	1,896,883.638	2,746,790.536	36.213121185	-107.752995324
4,358.00	40.12	330.37	4,049.10	287.05	1,013.67	1,896,900.780	2,746,781.190	36.213168297	-107.753026958
4,390.00	42.63	328.18	4,073.11	305.22	1,002.85	1,896,918.953	2,746,770.377	36.213218246	-107.753063563



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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
4,421.00	45.22	326.77	4,095.44	323.35	991.29	1,896,937.080	2,746,758.811	36.213268067	-107.753102721
4,453.00	48.34	325.45	4,117.35	342.70	978.28	1,896,956.430	2,746,745.804	36.213321255	-107.753146758
4,484.00	51.55	323.69	4,137.30	362.03	964.52	1,896,975.756	2,746,732.045	36.213374375	-107.753193348
4,516.00	54.67	322.29	4,156.50	382.46	949.11	1,896,996.185	2,746,716.636	36.213430532	-107.753245525
4,547.00	58.10	322.11	4,173.66	402.85	933.29	1,897,016.580	2,746,700.815	36.213486595	-107.753299101
4,579.00	59.85	321.85	4,190.15	424.45	916.40	1,897,038.182	2,746,683.925	36.213545976	-107.753356297
4,589.00	59.59	321.65	4,195.20	431.24	911.05	1,897,044.964	2,746,678.579	36.213564618	-107.753374402
MNCS_Cms top 4589.00 MD 4195.20 TVD									
4,610.00	59.06	321.23	4,205.91	445.36	899.80	1,897,059.088	2,746,667.321	36.213603443	-107.753412528
4,642.00	59.72	320.44	4,222.20	466.71	882.40	1,897,080.440	2,746,649.927	36.213662140	-107.753471433
4,673.00	62.71	319.12	4,237.13	487.45	864.86	1,897,101.180	2,746,632.382	36.213719154	-107.753530851
4,705.00	65.39	318.51	4,251.13	509.10	845.91	1,897,122.832	2,746,613.435	36.213778675	-107.753595020
4,736.00	69.08	317.80	4,263.12	530.39	826.84	1,897,144.121	2,746,594.367	36.213837201	-107.753659600
4,768.00	72.95	318.51	4,273.53	552.93	806.66	1,897,166.659	2,746,574.187	36.213899162	-107.753727950
4,799.00	75.59	319.03	4,281.94	575.37	787.00	1,897,189.099	2,746,554.523	36.213960850	-107.753794548
4,830.00	79.37	319.47	4,288.66	598.29	767.25	1,897,212.021	2,746,534.773	36.214023865	-107.753861437
4,893.00	85.43	320.35	4,296.98	646.05	727.05	1,897,259.774	2,746,494.580	36.214155137	-107.753997559
4,988.00	88.73	319.65	4,301.82	718.71	666.08	1,897,332.443	2,746,433.602	36.214354901	-107.754204070
5,082.00	88.15	319.12	4,304.38	790.04	604.91	1,897,403.771	2,746,372.434	36.214550984	-107.754411232
5,177.00	87.50	319.03	4,307.99	861.77	542.72	1,897,475.498	2,746,310.248	36.214748163	-107.754621847
5,272.00	89.47	315.78	4,310.50	931.67	478.46	1,897,545.394	2,746,245.984	36.214940318	-107.754839511
5,366.00	88.90	315.26	4,311.84	998.73	412.60	1,897,612.456	2,746,180.129	36.215124688	-107.755062576
5,460.00	90.40	315.52	4,312.41	1,065.64	346.59	1,897,679.371	2,746,114.119	36.215308657	-107.755286173
5,554.00	90.35	313.50	4,311.80	1,131.54	279.56	1,897,745.263	2,746,047.090	36.215489817	-107.755513225
5,649.00	89.65	312.62	4,311.80	1,196.40	210.15	1,897,810.125	2,745,977.680	36.215668150	-107.755748350
5,743.00	91.01	316.75	4,311.25	1,262.48	143.34	1,897,876.209	2,745,910.865	36.215849837	-107.755974679
5,837.00	90.31	315.78	4,310.17	1,330.40	78.36	1,897,944.122	2,745,845.886	36.216036543	-107.756194779
5,950.00	90.62	315.08	4,309.25	1,410.89	-0.94	1,898,024.619	2,745,766.588	36.216257849	-107.756463388
6,045.00	90.26	314.20	4,308.52	1,477.64	-68.53	1,898,091.368	2,745,698.995	36.216441362	-107.756692355
6,140.00	90.35	313.15	4,308.02	1,543.24	-137.24	1,898,156.970	2,745,630.287	36.216621725	-107.756925108
6,234.00	92.50	316.93	4,305.68	1,609.72	-203.63	1,898,223.447	2,745,563.901	36.216804486	-107.757149986
6,329.00	92.46	316.22	4,301.57	1,678.65	-268.87	1,898,292.378	2,745,498.659	36.216993986	-107.757370979
6,424.00	92.50	315.52	4,297.46	1,746.77	-334.95	1,898,360.501	2,745,432.574	36.217181269	-107.757594834
6,518.00	92.64	315.08	4,293.24	1,813.52	-401.01	1,898,427.248	2,745,366.522	36.217364772	-107.757818584
6,613.00	88.73	316.40	4,292.11	1,881.54	-467.29	1,898,495.266	2,745,300.239	36.217551765	-107.758043111
6,707.00	88.73	316.05	4,294.19	1,949.40	-532.30	1,898,563.123	2,745,235.224	36.217738312	-107.758263345
6,802.00	88.81	315.17	4,296.23	2,017.27	-598.74	1,898,630.993	2,745,168.784	36.217924899	-107.758488409
6,896.00	89.03	315.17	4,298.00	2,083.92	-665.00	1,898,697.646	2,745,102.525	36.218108141	-107.758712862
6,991.00	89.52	315.52	4,299.20	2,151.49	-731.77	1,898,765.219	2,745,035.761	36.218293910	-107.758939026
7,085.00	88.90	314.11	4,300.50	2,217.74	-798.44	1,898,831.463	2,744,969.088	36.218476030	-107.759164890
7,180.00	89.30	316.57	4,301.99	2,285.30	-865.20	1,898,899.022	2,744,902.326	36.218661761	-107.759391049
7,275.00	89.03	316.05	4,303.38	2,353.98	-930.82	1,898,967.708	2,744,836.712	36.218850584	-107.759613317
7,369.00	88.77	315.69	4,305.18	2,421.44	-996.26	1,899,035.165	2,744,771.273	36.219036031	-107.759834994
7,463.00	88.33	315.34	4,307.56	2,488.48	-1,062.10	1,899,102.206	2,744,705.426	36.219220335	-107.760058055
7,558.00	88.07	314.64	4,310.54	2,555.61	-1,129.26	1,899,169.335	2,744,638.273	36.219404886	-107.760285547
7,652.00	87.93	313.76	4,313.83	2,621.10	-1,196.60	1,899,234.828	2,744,570.926	36.219584940	-107.760513703
7,747.00	91.49	315.78	4,314.31	2,687.99	-1,264.03	1,899,301.718	2,744,503.497	36.219768831	-107.760742132
7,841.00	91.58	315.08	4,311.79	2,754.93	-1,329.97	1,899,368.658	2,744,437.554	36.219952858	-107.760965526
7,936.00	91.58	314.64	4,309.17	2,821.92	-1,397.29	1,899,435.643	2,744,370.241	36.220137010	-107.761193565
8,030.00	91.32	314.11	4,306.79	2,887.64	-1,464.46	1,899,501.361	2,744,303.074	36.220317679	-107.761421113
8,125.00	91.19	313.85	4,304.71	2,953.59	-1,532.80	1,899,567.314	2,744,234.730	36.220498996	-107.761652651
8,220.00	91.19	312.97	4,302.74	3,018.86	-1,601.80	1,899,632.584	2,744,165.732	36.220678440	-107.761886408
8,314.00	90.70	316.84	4,301.19	3,085.20	-1,668.35	1,899,698.920	2,744,099.176	36.220860806	-107.762111886
8,408.00	90.62	316.22	4,300.10	3,153.41	-1,733.02	1,899,767.134	2,744,034.511	36.221048326	-107.762330948
8,503.00	90.66	316.22	4,299.04	3,222.00	-1,798.74	1,899,835.720	2,743,968.786	36.221236869	-107.762553607



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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
8,597.00	90.18	315.87	4,298.35	3,289.66	-1,863.99	1,899,903.387	2,743,903.543	36.221422887	-107.762774632
8,692.00	89.82	314.38	4,298.35	3,356.98	-1,931.01	1,899,970.706	2,743,836.517	36.221607954	-107.763001706
8,787.00	89.25	313.59	4,299.12	3,422.96	-1,999.36	1,900,036.678	2,743,768.166	36.221789320	-107.763233277
8,881.00	88.81	313.32	4,300.71	3,487.60	-2,067.59	1,900,101.320	2,743,699.940	36.221967033	-107.763464427
8,976.00	88.90	312.88	4,302.61	3,552.50	-2,136.94	1,900,166.218	2,743,630.589	36.222145450	-107.763699392
9,071.00	88.90	312.71	4,304.44	3,617.02	-2,206.64	1,900,230.746	2,743,560.892	36.222322854	-107.763935532
9,166.00	88.42	311.39	4,306.66	3,680.63	-2,277.16	1,900,294.356	2,743,490.370	36.222497734	-107.764174472
9,260.00	91.01	314.38	4,307.13	3,744.59	-2,346.02	1,900,358.313	2,743,421.509	36.222673563	-107.764407781
9,354.00	91.58	314.73	4,305.00	3,810.52	-2,412.99	1,900,424.245	2,743,354.544	36.222854816	-107.764634657
9,449.00	91.49	314.46	4,302.46	3,877.20	-2,480.61	1,900,490.920	2,743,286.920	36.223038108	-107.764863767
9,544.00	90.83	317.28	4,300.53	3,945.36	-2,546.74	1,900,559.086	2,743,220.794	36.223225495	-107.765087798
9,639.00	90.09	316.05	4,299.77	4,014.46	-2,611.93	1,900,628.180	2,743,155.603	36.223415429	-107.765308657
9,733.00	89.25	315.61	4,300.31	4,081.88	-2,677.43	1,900,695.602	2,743,090.107	36.223600769	-107.765530555
9,827.00	88.46	314.99	4,302.19	4,148.68	-2,743.53	1,900,762.403	2,743,024.002	36.223784404	-107.765754519
9,921.00	88.11	314.20	4,305.00	4,214.65	-2,810.44	1,900,828.369	2,742,957.096	36.223965747	-107.765981200
10,016.00	87.67	313.76	4,308.50	4,280.57	-2,878.75	1,900,894.293	2,742,888.783	36.224146975	-107.766212657
10,111.00	87.10	312.62	4,312.84	4,345.52	-2,947.94	1,900,959.244	2,742,819.593	36.224325532	-107.766447087
10,205.00	86.44	311.48	4,318.13	4,408.38	-3,017.63	1,901,022.102	2,742,749.905	36.224498341	-107.766683212
10,299.00	89.56	313.41	4,321.41	4,471.77	-3,086.94	1,901,085.492	2,742,680.596	36.224672609	-107.766918056
10,394.00	90.13	312.71	4,321.67	4,536.63	-3,156.35	1,901,150.353	2,742,611.186	36.224850920	-107.767153235
10,488.00	90.00	312.62	4,321.56	4,600.34	-3,225.47	1,901,214.058	2,742,542.065	36.225026052	-107.767387439
10,583.00	89.65	312.62	4,321.85	4,664.67	-3,295.37	1,901,278.385	2,742,472.159	36.225202895	-107.767624306
10,678.00	92.02	317.54	4,320.47	4,731.90	-3,362.42	1,901,345.620	2,742,405.110	36.225387721	-107.767851481
10,772.00	92.33	317.36	4,316.90	4,801.10	-3,425.94	1,901,414.819	2,742,341.590	36.225577933	-107.768066686
10,866.00	92.37	317.01	4,313.05	4,869.99	-3,489.78	1,901,483.715	2,742,277.758	36.225767313	-107.768282949
10,960.00	92.42	316.40	4,309.12	4,938.35	-3,554.18	1,901,552.071	2,742,213.354	36.225955212	-107.768501156
11,054.00	91.05	317.54	4,306.27	5,007.03	-3,618.29	1,901,620.750	2,742,149.243	36.226143998	-107.768718371
11,149.00	88.77	317.89	4,306.42	5,077.31	-3,682.20	1,901,691.027	2,742,085.329	36.226337171	-107.768934912
11,244.00	88.99	317.54	4,308.28	5,147.58	-3,746.11	1,901,761.295	2,742,021.424	36.226530320	-107.769151426
11,339.00	88.81	316.93	4,310.10	5,217.31	-3,810.60	1,901,831.025	2,741,956.932	36.226721993	-107.769369932
11,433.00	88.15	315.34	4,312.60	5,285.05	-3,875.71	1,901,898.770	2,741,891.819	36.226908213	-107.769590548
11,528.00	87.54	314.55	4,316.17	5,352.11	-3,942.91	1,901,965.833	2,741,824.628	36.227092560	-107.769818213
11,623.00	87.01	314.11	4,320.68	5,418.42	-4,010.78	1,902,032.142	2,741,756.750	36.227274840	-107.770048212
11,717.00	86.84	312.79	4,325.73	5,482.97	-4,078.93	1,902,096.693	2,741,688.608	36.227452290	-107.770279108
11,812.00	89.69	315.42	4,328.60	5,549.05	-4,147.10	1,902,162.769	2,741,620.437	36.227633927	-107.770510100
11,907.00	90.40	314.73	4,328.53	5,616.31	-4,214.18	1,902,230.031	2,741,553.351	36.227818821	-107.770737414
12,002.00	90.40	315.17	4,327.87	5,683.43	-4,281.42	1,902,297.146	2,741,486.119	36.228003310	-107.770965223
12,096.00	90.13	314.82	4,327.43	5,749.89	-4,347.89	1,902,363.607	2,741,419.647	36.228186002	-107.771190460
12,187.00	89.87	313.50	4,327.43	5,813.28	-4,413.17	1,902,427.002	2,741,354.365	36.228360268	-107.771411667
12,279.00	89.56	312.09	4,327.89	5,875.78	-4,480.68	1,902,489.502	2,741,286.859	36.228532080	-107.771640417
12,370.00	89.21	311.12	4,328.87	5,936.20	-4,548.72	1,902,549.921	2,741,218.820	36.228698175	-107.771870983
12,461.00	90.75	315.34	4,328.90	5,998.52	-4,615.00	1,902,612.233	2,741,152.534	36.228869468	-107.772095601
12,552.00	90.97	316.22	4,327.53	6,063.72	-4,678.46	1,902,677.442	2,741,089.077	36.229048711	-107.772310621
12,644.00	91.14	315.69	4,325.84	6,129.84	-4,742.41	1,902,743.559	2,741,025.127	36.229230452	-107.772527309
12,736.00	91.10	314.99	4,324.04	6,195.27	-4,807.06	1,902,808.985	2,740,960.474	36.229410293	-107.772746388
12,828.00	90.97	314.55	4,322.38	6,260.05	-4,872.37	1,902,873.766	2,740,895.170	36.229588365	-107.772967673
12,919.00	90.84	314.11	4,320.94	6,323.63	-4,937.45	1,902,937.348	2,740,830.084	36.229763141	-107.773188225
13,009.00	90.84	313.32	4,319.62	6,385.82	-5,002.50	1,902,999.537	2,740,765.041	36.229934090	-107.773408634
13,101.00	91.23	318.24	4,317.96	6,451.72	-5,066.63	1,903,065.439	2,740,700.909	36.230115237	-107.773625947
13,192.00	88.90	317.98	4,317.85	6,519.46	-5,127.38	1,903,133.177	2,740,640.152	36.230301422	-107.773831812
13,287.00	88.42	317.28	4,320.08	6,589.63	-5,191.39	1,903,203.344	2,740,576.149	36.230494285	-107.774048684
13,381.00	88.15	316.57	4,322.89	6,658.26	-5,255.56	1,903,271.976	2,740,511.980	36.230682930	-107.774266118
13,476.00	87.71	316.05	4,326.32	6,726.91	-5,321.14	1,903,340.624	2,740,446.402	36.230871622	-107.774488334
13,570.00	87.41	315.52	4,330.32	6,794.22	-5,386.63	1,903,407.935	2,740,380.910	36.231056640	-107.774710258
13,665.00	86.84	314.99	4,335.09	6,861.61	-5,453.42	1,903,475.323	2,740,314.120	36.231241871	-107.774936589



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 757H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6719+28 @ 6747.00ft
Site:	W Lybrook Unit	MD Reference:	RKB=6719+28 @ 6747.00ft
Well:	W Lybrook Unit No. 757H	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
13,759.00	91.49	315.34	4,336.46	6,928.24	-5,519.67	1,903,541.956	2,740,247.869	36.231425029	-107.775161092
13,853.00	92.15	314.82	4,333.47	6,994.77	-5,586.01	1,903,608.483	2,740,181.528	36.231607892	-107.775385902
13,948.00	92.42	314.29	4,329.68	7,061.37	-5,653.65	1,903,675.081	2,740,113.888	36.231790954	-107.775615119
14,041.00	92.37	313.76	4,325.80	7,125.94	-5,720.46	1,903,739.656	2,740,047.076	36.231968458	-107.775841531
14,136.00	89.78	317.01	4,324.02	7,193.54	-5,787.16	1,903,807.255	2,739,980.381	36.232154266	-107.776067543
14,230.00	89.52	316.57	4,324.59	7,262.05	-5,851.52	1,903,875.765	2,739,916.023	36.232342574	-107.776285629
14,325.00	88.90	316.40	4,325.90	7,330.94	-5,916.92	1,903,944.652	2,739,850.618	36.232531916	-107.776507266
14,420.00	88.46	315.78	4,328.09	7,399.36	-5,982.79	1,904,013.074	2,739,784.751	36.232719984	-107.776730471
14,514.00	87.80	315.26	4,331.16	7,466.39	-6,048.61	1,904,080.106	2,739,718.925	36.232904232	-107.776953542
14,609.00	87.67	314.73	4,334.91	7,533.51	-6,115.74	1,904,147.223	2,739,651.797	36.233088714	-107.777181029
14,700.00	87.63	314.13	4,338.64	7,597.16	-6,180.67	1,904,210.872	2,739,586.868	36.233263667	-107.777401065
Frac sleeve @ 14700.00 MD 4338.64 TVD									
14,703.00	87.63	314.11	4,338.76	7,599.24	-6,182.82	1,904,212.959	2,739,584.716	36.233269403	-107.777408358
14,714.00	87.59	314.09	4,339.22	7,606.89	-6,190.71	1,904,220.607	2,739,576.824	36.233290427	-107.777435104
LTP 330 perp @ 14714.00 MD 4339.22 TVD									
14,761.00	87.41	314.02	4,341.27	7,639.54	-6,224.46	1,904,253.258	2,739,543.080	36.233380175	-107.777549462
Survey @ 14761.00 MD 4341.27 TVD									
14,827.00	87.41	314.02	4,344.26	7,685.36	-6,271.87	1,904,299.075	2,739,495.668	36.233506114	-107.777710138
Survey Proj. to 14827.00 MD 4344.26 TVD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,734.00	2,623.71		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	-1.66	-2.92	MWD surveys
2,734.00	2,623.71	24.88	492.31	9 5/8" Casing @ 2734.00 MD 2623.71 TVD
3,994.00	3,737.19	110.86	1,057.99	FTP 330 perp @ 3994.00 MD 3737.19 TVD
4,589.00	4,195.20	431.24	911.05	MNCS_Cms top 4589.00 MD 4195.20 TVD
14,700.00	4,338.64	7,597.16	-6,180.67	Frac sleeve @ 14700.00 MD 4338.64 TVD
14,714.00	4,339.22	7,606.89	-6,190.71	LTP 330 perp @ 14714.00 MD 4339.22 TVD
14,761.00	4,341.27	7,639.54	-6,224.46	Survey @ 14761.00 MD 4341.27 TVD
14,827.00	4,344.26	7,685.36	-6,271.87	Survey Proj. to 14827.00 MD 4344.26 TVD

WELL NAME: W LYBROOK UNIT 757H**OBJECTIVE:** Drill, complete, and equip single lateral in the Mancos-Cms formation**API Number:** 30-045-38263**AFE Number:** DV03010**ER Well Number:** NM06436.01**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 2,627 ft FSL 2,140 ft FEL**BH Location:** 15-23N-09W Sec-Twn- Rng 240 ft FNL 2289 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)	2,705 ft
KOP (MD)	3,796 ft
KOP (TVD)	3,553 ft
Target (TVD)	4,310 ft
Curve BUR	10 °/100 ft
POE (MD)	4,960 ft
TD (MD)	14,792 ft
Lat Len (ft)	9,832 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	2,705	9.625	36.0	J-55	LTC	0	2,705
Production	8.500	14,792	5.500	17.0	P-110	LTC	0	14,792

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	523
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,205	136
Prod. (Lead)	Type III	12.3	2.260	12.8	0.2691	65%	0	580
Prod. (Tail)	G:POZ blend	13.3	1.550	7.7	0.2291	10%	4,247	1,714

COMPLETION / PRODUCTION SUMMARY:**Frac:** 42 (+/-) plug-and-perf stages with 300,000 bbls slickwater fluid and 12,000,000 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	2,566
Menefee	2,501	2,589
Point Lookout	3,469	3,700
Mancos	3,632	3,884
Gallup (MNCS_A)	3,964	4,247
MNCS_B	4,065	4,372
MNCS_C	4,155	4,505
MNCS_Cms	4,295	4,830
P.O.E. TARGET	4,310	4,960
PROJECTED TD	4,351	14,792

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 68760

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 68760
	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 68760

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 68760
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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