

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 30-039-31447	⁵ Pool Name COUNSELOR GALLUP-DAKOTA OIL POOL		⁶ Pool Code 13379
⁷ Property Code 335063	⁸ Property Name HAYNES CANYON UNIT		⁹ Well Number 440H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	3	23N	6W		916	SOUTH	390	WEST	RIO ARRIBA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	4	23N	6W	4	490	NORTH	184	WEST	RIO ARRIBA
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 6/8/24		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 3/5/24	²² Ready Date 6/8/24	²³ TD 12,374' MD 5,501' TVD	²⁴ PBDT 12,328' MD 5,501' TVD	²⁵ Perforations ~ 5,872' - 12,278' MD ~ 5,463' - 5500' TVD AlphaSleeve 12,297'	²⁶ DHC, MC R-23096
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12.25"		9.625", 36#, J-55		354'	
8.75"		7", 26#, J-55		5,962'	
6.125"		4.5", 11.6#, P-110		TOL: 5,789 BOL: 12,341	

V. Well Test Data

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

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Heather Huntington</i> Printed name: Heather Huntington Title: Permitting Technician E-mail Address: hhuntington@enduringresources.com Date: 5/8/24 Phone: 505-636-9751		OIL CONSERVATION DIVISION	
		Approved by: <i>PATRICIA MARTINEZ</i>	
		Title: <i>PETROLEUM SPECIALIST</i>	
		Approval Date: <i>5/15/2024</i>	
		<i>RT 8/15/2024</i>	



ENDURING RESOURCES IV LLC

May 8, 2024

Re: Haynes Canyon 440H API 30-039-31447

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Heather Huntington".

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

1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm **Page 3 of 25**
Revised August 1, 2011Submit one copy to
Appropriate District OfficeOIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31447	² Pool Code 13379	³ Pool Name COUNSELOR GALLUP-DAKOTA OIL POOL
⁴ Property Code 335063	⁵ Property Name HAYNES CANYON UNIT	⁶ Well Number 440H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6703'

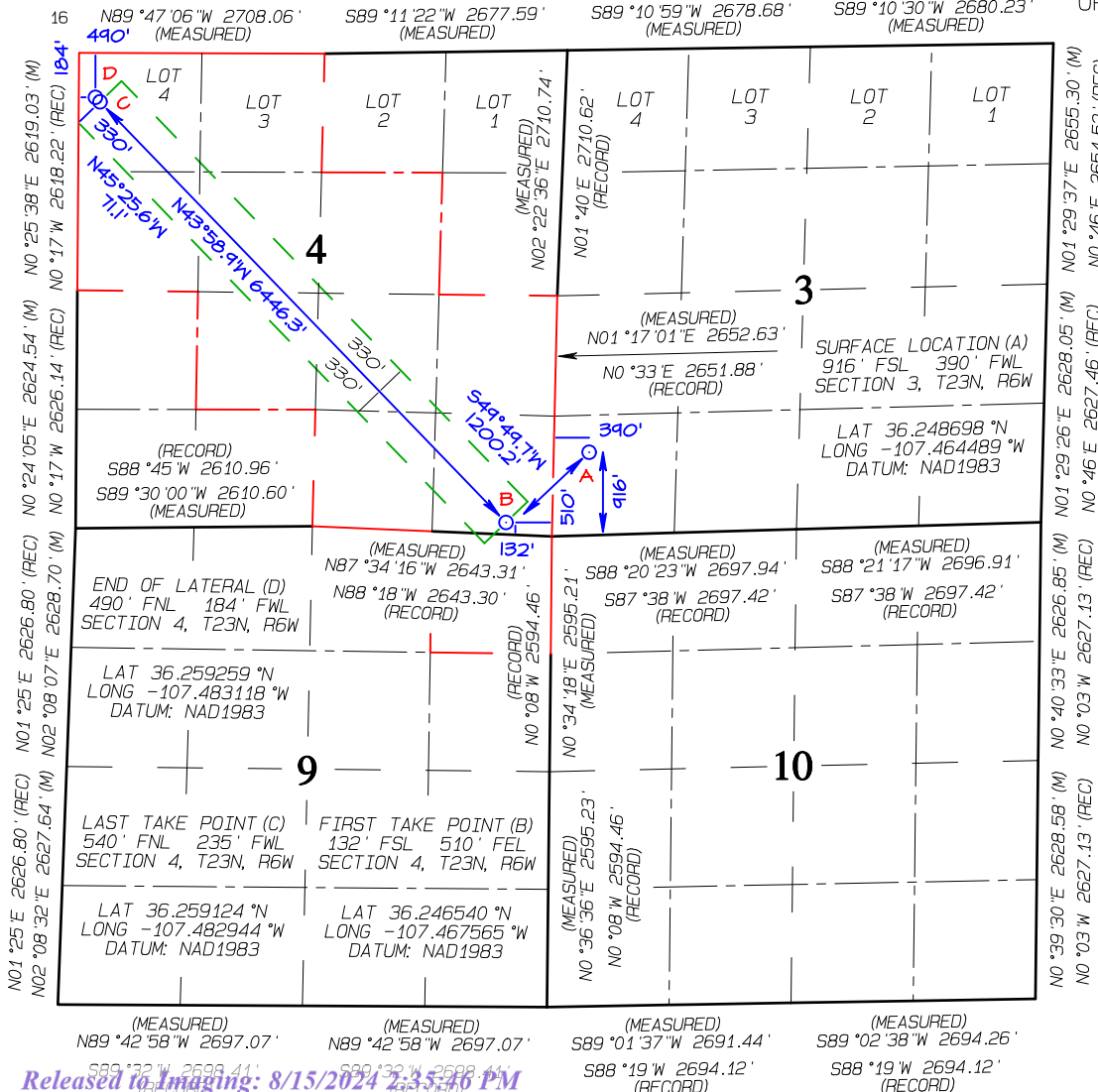
¹⁰ Surface Location

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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	4	23N	6W	4	490	NORTH	184	WEST	RIO ARRIBA

¹² Dedicated Acres 439.54	SW/4 NE/4, NE/4 SW/4 NW/4, SE/4 - Section 4 NE/4 NE/4 - Section 9	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-23096
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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 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 has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Heather Huntington 5/8/24
Signature Date
Heather Huntington
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: MAY 8, 2024
Survey Date: JANUARY 12, 2023

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

1625 N. French Drive, Hobbs, NM 88240
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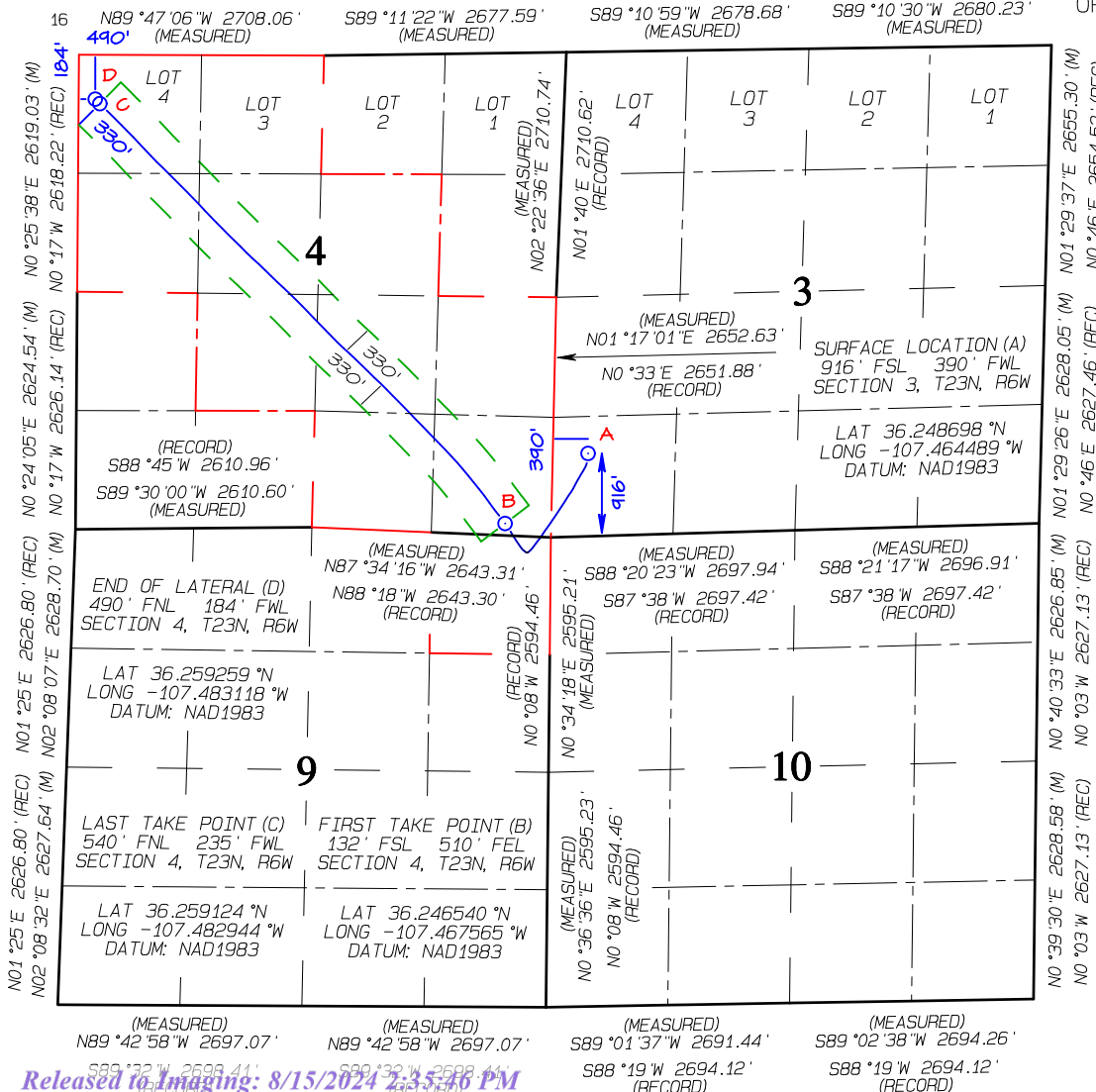
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UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹¹ Bottom Hole Location If Different From Surface

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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 an unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Heather Huntington **5/8/24**
Signature Date
Heather Huntington
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: MAY 8, 2024
Survey Date: JANUARY 12, 2023

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

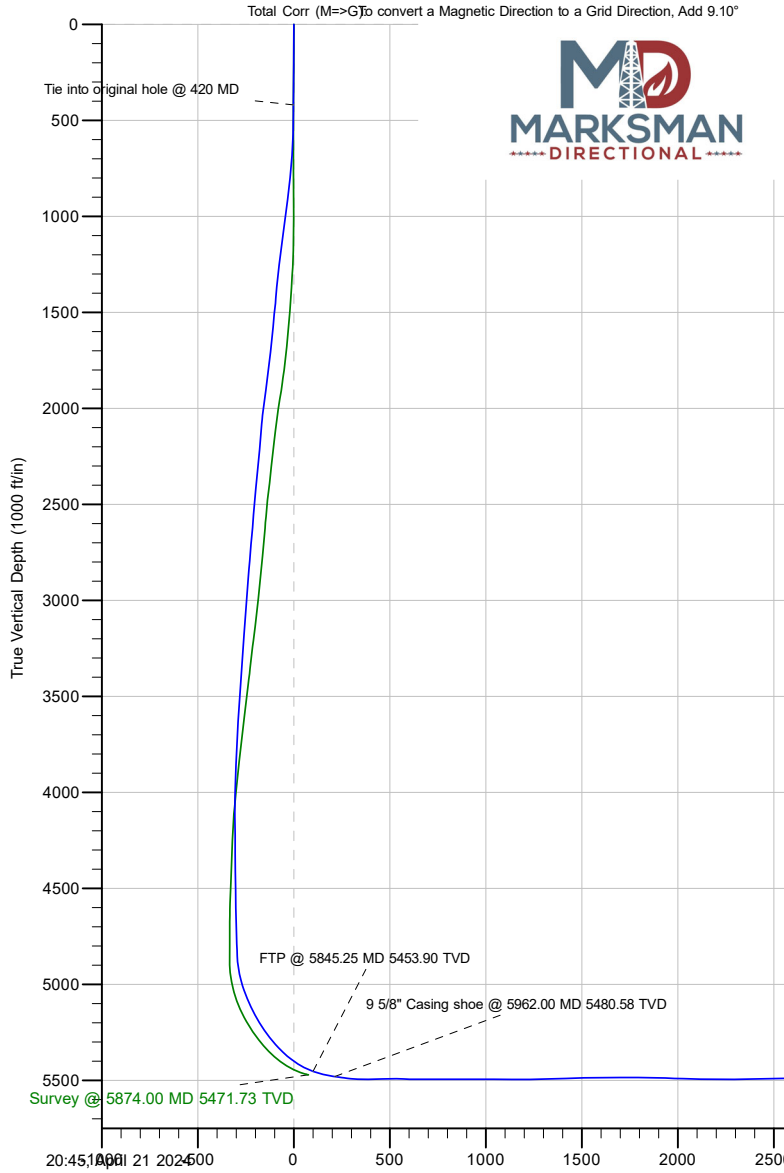


Well: Haynes Canyon Unit 440H
Site: Haynes Canyon Unit (428,430,440 & 442)
Project: Rio Arriba County, New Mexico NAD83 NM C
Design: ST1 MWD surveys
Rig: Aztec 1000

G T M
Azimuths to Grid North
True North: 0.72°
Magnetic North: 9.10°
Magnetic Field
Strength: 49069.4nT
Dip Angle: 62.75°
Date: 4/5/2024
Model: IGRF2020

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Central Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6703+25 @ 6728.00ft (Aztec 1000)

Surface location:
Northing 1912037.05 Easting 1282315.27 Latitude 36.24869800 Longitude -107.46448900

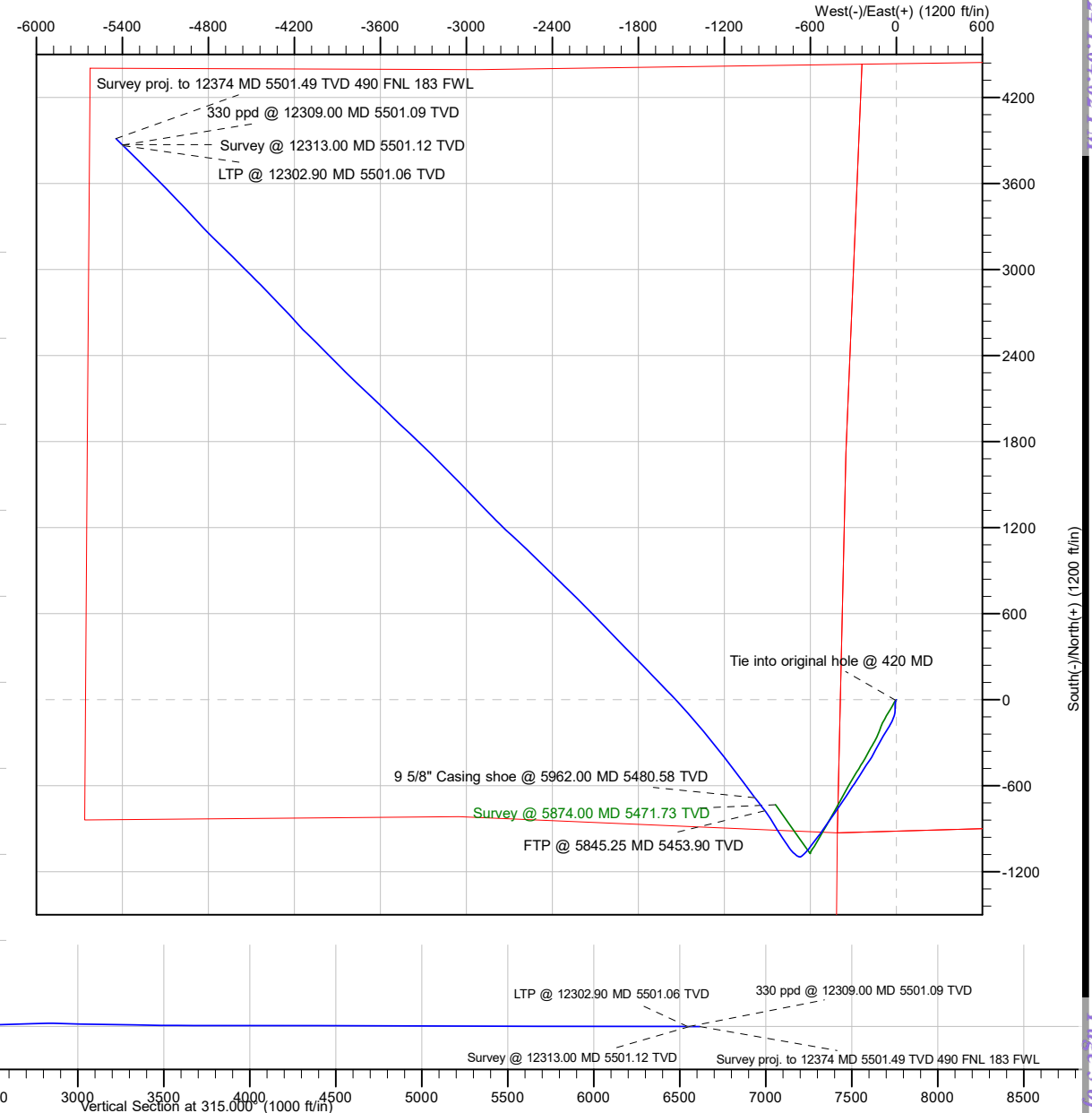


ANNOTATIONS SURVEYS ORIGINAL HOLE

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
420.00	1.37	212.450	419.96	-4.24	-2.69	-1.09	MWD surveys
5874.00	76.95	324.590	5471.73	-733.07	-841.47	76.69	Survey @ 5874.00 MD 5471.73 TVD

ANNOTATIONS SURVEYS SIDETRACK 01

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
420.00	1.37	212.450	419.96	-4.24	-2.69	-1.09	MWD surveys
420.00	1.37	212.450	419.96	-4.24	-2.69	-1.09	Tie into original hole @ 420 MD
5845.25	70.00	323.084	5453.90	-774.33	-916.96	100.86	FTP @ 5845.25 MD 5453.90 TVD
5962.00	80.71	322.335	5480.58	-683.93	-985.53	213.26	9 5/8" Casing shoe @ 5962.00 MD 5480.58 TVD
12302.90	89.71	314.607	5501.06	3864.13	-5393.49	6546.13	LTP @ 12302.90 MD 5501.06 TVD
12309.00	89.67	314.585	5501.09	3868.41	-5397.84	6552.23	330 ppd @ 12309.00 MD 5501.09 TVD
12313.00	89.65	314.570	5501.12	3871.22	-5400.69	6556.23	Survey @ 12313.00 MD 5501.12 TVD
12374.00	89.65	314.570	5501.49	3914.03	-5444.14	6617.22	Survey proj. to 12374 MD 5501.49 TVD 490 FNL 183 FWL





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Mar1724_v17

Project	Rio Arriba County, New Mexico NAD83 NM C		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Haynes Canyon Unit (428,430,440 & 442)				
Site Position:		Northing:	1,912,025.28 usft	Latitude:	36.24866700
From:	Lat/Long	Easting:	1,282,353.75 usft	Longitude:	-107.46435800
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "		

Well	Haynes Canyon Unit 440H, Surf loc: 916 FSL 390 FWL Section 03-T23N-R06W					
Well Position	+N/-S	0.00 ft	Northing:	1,912,037.05 usft	Latitude:	36.24869800
	+E/-W	0.00 ft	Easting:	1,282,315.27 usft	Longitude:	-107.46448900
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,703.00 ft
Grid Convergence:		-0.72 °				

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/24/2024	8.39	62.75	49,072.70901128

Design	MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	314.998	

Survey Program	Date	4/2/2024		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
420.00	5,874.00	MWD (Original Hole)	MWD	OWSG MWD - Standard

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
420.00	1.37	212.450	419.96	-4.24	-2.69	-1.09	0.33	0.33	0.00	
MWD surveys										
514.00	1.48	207.480	513.93	-6.26	-3.86	-1.70	0.18	0.12	-5.29	
609.00	0.15	305.580	608.92	-7.28	-4.52	-1.95	1.59	-1.40	103.26	
703.00	0.30	315.300	702.92	-7.03	-4.80	-1.58	0.16	0.16	10.34	
799.00	0.49	273.440	798.92	-6.83	-5.38	-1.02	0.35	0.20	-43.60	
893.00	0.34	285.440	892.92	-6.73	-6.05	-0.48	0.18	-0.16	12.77	
988.00	0.38	232.840	987.91	-6.85	-6.58	-0.19	0.34	0.04	-55.37	
1,083.00	3.08	209.030	1,082.86	-9.27	-8.07	-0.85	2.88	2.84	-25.06	



Survey Report



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Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,174.00	6.06	211.740	1,173.56	-15.49	-11.78	-2.62	3.28	3.27	2.98
1,267.00	9.28	208.680	1,265.72	-26.25	-17.96	-5.86	3.49	3.46	-3.29
1,357.00	12.56	209.910	1,354.08	-41.10	-26.33	-10.44	3.65	3.64	1.37
1,447.00	15.30	209.050	1,441.42	-59.97	-36.98	-16.26	3.05	3.04	-0.96
1,538.00	18.32	212.030	1,528.52	-82.59	-50.39	-22.77	3.45	3.32	3.27
1,629.00	20.94	210.510	1,614.23	-108.73	-66.24	-30.04	2.93	2.88	-1.67
1,718.00	19.95	207.980	1,697.62	-135.84	-81.44	-38.47	1.49	-1.11	-2.84
1,808.00	21.26	207.480	1,781.86	-163.88	-96.17	-47.87	1.47	1.46	-0.56
1,898.00	19.40	199.600	1,866.27	-192.45	-108.72	-59.20	3.67	-2.07	-8.76
1,989.00	20.74	200.030	1,951.74	-221.82	-119.31	-72.48	1.48	1.47	0.47
2,084.00	22.53	204.790	2,040.05	-254.16	-132.70	-85.87	2.64	1.88	5.01
2,178.00	23.47	210.900	2,126.59	-286.57	-149.87	-96.65	2.73	1.00	6.50
2,273.00	21.94	207.920	2,214.23	-318.49	-167.89	-106.47	2.01	-1.61	-3.14
2,368.00	22.58	210.230	2,302.15	-349.93	-185.39	-116.34	1.14	0.67	2.43
2,463.00	20.63	206.720	2,390.48	-380.64	-202.10	-126.24	2.46	-2.05	-3.69
2,557.00	22.51	210.050	2,477.89	-411.01	-218.56	-136.07	2.39	2.00	3.54
2,652.00	22.52	212.670	2,565.65	-442.07	-237.48	-144.65	1.06	0.01	2.76
2,747.00	20.10	209.970	2,654.15	-471.53	-255.46	-152.77	2.75	-2.55	-2.84
2,842.00	21.50	212.680	2,742.96	-500.33	-273.02	-160.71	1.79	1.47	2.85
2,937.00	23.03	211.540	2,830.88	-530.82	-292.14	-168.75	1.67	1.61	-1.20
3,032.00	21.29	212.160	2,918.86	-561.26	-311.04	-176.91	1.85	-1.83	0.65
3,127.00	24.16	209.540	3,006.48	-592.78	-329.81	-185.93	3.20	3.02	-2.76
3,221.00	21.79	206.160	3,093.02	-625.18	-346.99	-196.69	2.88	-2.52	-3.60
3,316.00	22.13	208.810	3,181.13	-656.69	-363.39	-207.37	1.10	0.36	2.79
3,411.00	24.10	210.120	3,268.50	-689.15	-381.74	-217.34	2.14	2.07	1.38
3,506.00	24.43	210.480	3,355.10	-722.85	-401.44	-227.24	0.38	0.35	0.38
3,600.00	22.42	207.160	3,441.35	-755.56	-419.49	-237.61	2.56	-2.14	-3.53
3,695.00	23.27	210.040	3,528.90	-787.92	-437.15	-248.00	1.48	0.89	3.03
3,790.00	24.37	209.720	3,615.81	-821.19	-456.26	-258.01	1.17	1.16	-0.34
3,885.00	22.62	207.370	3,702.93	-854.44	-474.38	-268.71	2.09	-1.84	-2.47
3,980.00	23.98	211.060	3,790.19	-887.21	-492.74	-278.89	2.10	1.43	3.88
4,074.00	22.84	210.860	3,876.45	-919.23	-511.96	-287.95	1.22	-1.21	-0.21
4,168.00	21.51	209.510	3,963.50	-949.89	-529.80	-297.01	1.52	-1.41	-1.44
4,263.00	18.80	209.200	4,052.67	-978.42	-545.85	-305.83	2.85	-2.85	-0.33
4,358.00	15.99	210.600	4,143.32	-1,003.05	-559.98	-313.25	2.99	-2.96	1.47
4,452.00	12.78	212.400	4,234.36	-1,022.97	-572.15	-318.74	3.45	-3.41	1.91
4,547.00	11.21	216.420	4,327.28	-1,039.28	-583.26	-322.41	1.87	-1.65	4.23
4,642.00	8.20	207.110	4,420.92	-1,052.74	-591.83	-325.87	3.56	-3.17	-9.80
4,737.00	5.06	204.570	4,515.27	-1,062.58	-596.67	-329.41	3.32	-3.31	-2.67
4,832.00	2.62	193.320	4,610.05	-1,068.51	-598.91	-332.02	2.68	-2.57	-11.84
4,927.00	0.52	197.500	4,705.01	-1,071.03	-599.54	-333.36	2.21	-2.21	4.40
5,022.00	0.64	206.260	4,800.01	-1,071.92	-599.90	-333.73	0.16	0.13	9.22
5,053.00	0.67	201.120	4,831.00	-1,072.24	-600.04	-333.85	0.21	0.10	-16.58



Survey Report



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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,085.00	0.77	188.790	4,863.00	-1,072.63	-600.14	-334.06	0.57	0.31	-38.53
5,117.00	1.40	296.030	4,895.00	-1,072.67	-600.53	-333.81	5.58	1.97	335.13
5,148.00	5.06	320.290	4,925.94	-1,071.45	-601.74	-332.09	12.35	11.81	78.26
5,180.00	8.45	324.780	4,957.72	-1,068.45	-604.00	-328.37	10.71	10.59	14.03
5,211.00	10.96	324.720	4,988.27	-1,064.18	-607.02	-323.22	8.10	8.10	-0.19
5,242.00	13.67	324.480	5,018.56	-1,058.79	-610.85	-316.70	8.74	8.74	-0.77
5,274.00	16.16	324.970	5,049.48	-1,052.07	-615.60	-308.59	7.79	7.78	1.53
5,306.00	19.22	326.210	5,079.96	-1,044.04	-621.09	-299.03	9.63	9.56	3.88
5,337.00	22.27	325.430	5,108.95	-1,034.96	-627.26	-288.25	9.88	9.84	-2.52
5,369.00	25.31	324.530	5,138.22	-1,024.39	-634.67	-275.53	9.57	9.50	-2.81
5,400.00	28.03	323.500	5,165.92	-1,013.14	-642.85	-261.79	8.90	8.77	-3.32
5,432.00	30.64	323.940	5,193.82	-1,000.50	-652.13	-246.30	8.18	8.16	1.38
5,464.00	32.13	324.790	5,221.13	-986.96	-661.83	-229.86	4.86	4.66	2.66
5,495.00	33.93	323.250	5,247.12	-973.29	-671.76	-213.17	6.41	5.81	-4.97
5,527.00	36.57	323.640	5,273.25	-958.45	-682.76	-194.90	8.28	8.25	1.22
5,559.00	39.40	323.430	5,298.47	-942.62	-694.47	-175.43	8.85	8.84	-0.66
5,590.00	41.61	325.380	5,322.04	-926.24	-706.18	-155.57	8.22	7.13	6.29
5,622.00	44.71	326.170	5,345.38	-908.14	-718.48	-134.07	9.83	9.69	2.47
5,653.00	47.60	324.920	5,366.85	-889.71	-731.13	-112.09	9.77	9.32	-4.03
5,685.00	50.50	325.290	5,387.83	-869.89	-744.96	-88.30	9.10	9.06	1.16
5,716.00	54.40	325.180	5,406.71	-849.70	-758.97	-64.12	12.58	12.58	-0.35
5,748.00	58.78	324.560	5,424.33	-827.87	-774.34	-37.81	13.78	13.69	-1.94
5,780.00	63.15	324.730	5,439.86	-805.05	-790.53	-10.23	13.66	13.66	0.53
5,811.00	67.81	325.060	5,452.72	-781.98	-806.74	17.54	15.06	15.03	1.06
5,843.00	72.53	324.430	5,463.57	-757.41	-824.11	47.20	14.87	14.75	-1.97
5,874.00	76.95	324.590	5,471.73	-733.07	-841.47	76.69	14.27	14.26	0.52
Survey @ 5874.00 MD 5471.73 TVD									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
420.00	419.96	-4.24	-2.69	MWD surveys
5,874.00	5,471.73	-733.07	-841.47	Survey @ 5874.00 MD 5471.73 TVD



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Mar1724_v17

Project	Rio Arriba County, New Mexico NAD83 NM C		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site		Haynes Canyon Unit (428,430,440 & 442)			
Site Position:		Northing:	1,912,025.28 usft	Latitude:	36.24866700
From:	Lat/Long	Easting:	1,282,353.75 usft	Longitude:	-107.46435800
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.72 °

Well							Haynes Canyon Unit 440H, Surf loc: 916 FSL 390 FWL Section 03-T23N-R06W						
Well Position	+N/-S		0.00 ft		Northing:		1,912,037.05 usft		Latitude:		36.24869800		
	+E/-W		0.00 ft		Easting:		1,282,315.27 usft		Longitude:		-107.46448900		
Position Uncertainty			0.00 ft		Wellhead Elevation:		ft		Ground Level:		6,703.00 ft		

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/24/2024	8.39	62.75	49,072.70901128

Design	MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00		314.998

Survey Program	Date	4/2/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	5,874.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	1,912,037.05	1,282,315.27	36.24869800	-107.46448900
420.00	1.37	212.450	419.96	-4.24	-2.69	1,912,032.82	1,282,312.57	36.24868627	-107.46449796
MWD surveys									
514.00	1.48	207.480	513.93	-6.26	-3.86	1,912,030.79	1,282,311.41	36.24868067	-107.46450182
609.00	0.15	305.580	608.92	-7.28	-4.52	1,912,029.77	1,282,310.74	36.24867785	-107.46450404
703.00	0.30	315.300	702.92	-7.03	-4.80	1,912,030.02	1,282,310.47	36.24867852	-107.46450497
799.00	0.49	273.440	798.92	-6.83	-5.38	1,912,030.22	1,282,309.88	36.24867906	-107.46450697
893.00	0.34	285.440	892.92	-6.73	-6.05	1,912,030.32	1,282,309.21	36.24867931	-107.46450925
988.00	0.38	232.840	987.91	-6.85	-6.58	1,912,030.21	1,282,308.69	36.24867897	-107.46451101
1,083.00	3.08	209.030	1,082.86	-9.27	-8.07	1,912,027.78	1,282,307.20	36.24867227	-107.46451596
1,174.00	6.06	211.740	1,173.56	-15.49	-11.78	1,912,021.56	1,282,303.49	36.24865505	-107.46452829
1,267.00	9.28	208.680	1,265.72	-26.25	-17.96	1,912,010.80	1,282,297.30	36.24862529	-107.46454880



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,357.00	12.56	209.910	1,354.08	-41.10	-26.33	1,911,995.95	1,282,288.94	36.24858421	-107.46457653
1,447.00	15.30	209.050	1,441.42	-59.97	-36.98	1,911,977.08	1,282,278.29	36.24853203	-107.46461183
1,538.00	18.32	212.030	1,528.52	-82.59	-50.39	1,911,954.46	1,282,264.87	36.24846942	-107.46465637
1,629.00	20.94	210.510	1,614.23	-108.73	-66.24	1,911,928.32	1,282,249.03	36.24839709	-107.46470898
1,718.00	19.95	207.980	1,697.62	-135.84	-81.44	1,911,901.21	1,282,233.83	36.24832210	-107.46475936
1,808.00	21.26	207.480	1,781.86	-163.88	-96.17	1,911,873.17	1,282,219.10	36.24824459	-107.46480812
1,898.00	19.40	199.600	1,866.27	-192.45	-108.72	1,911,844.61	1,282,206.55	36.24816570	-107.46484945
1,989.00	20.74	200.030	1,951.74	-221.82	-119.31	1,911,815.23	1,282,195.96	36.24808465	-107.46488411
2,084.00	22.53	204.790	2,040.05	-254.16	-132.70	1,911,782.90	1,282,182.57	36.24799539	-107.46492815
2,178.00	23.47	210.900	2,126.59	-286.57	-149.87	1,911,750.48	1,282,165.40	36.24790577	-107.46498498
2,273.00	21.94	207.920	2,214.23	-318.49	-167.89	1,911,718.56	1,282,147.37	36.24781749	-107.46504475
2,368.00	22.58	210.230	2,302.15	-349.93	-185.39	1,911,687.12	1,282,129.88	36.24773053	-107.46510273
2,463.00	20.63	206.720	2,390.48	-380.64	-202.10	1,911,656.41	1,282,113.17	36.24764561	-107.46515808
2,557.00	22.51	210.050	2,477.89	-411.01	-218.56	1,911,626.04	1,282,096.71	36.24756163	-107.46521259
2,652.00	22.52	212.670	2,565.65	-442.07	-237.48	1,911,594.98	1,282,077.78	36.24747568	-107.46527545
2,747.00	20.10	209.970	2,654.15	-471.53	-255.46	1,911,565.52	1,282,059.81	36.24739415	-107.46533516
2,842.00	21.50	212.680	2,742.96	-500.33	-273.02	1,911,536.73	1,282,042.25	36.24731445	-107.46539346
2,937.00	23.03	211.540	2,830.88	-530.82	-292.14	1,911,506.24	1,282,023.13	36.24723005	-107.46545700
3,032.00	21.29	212.160	2,918.86	-561.26	-311.04	1,911,475.80	1,282,004.23	36.24714579	-107.46551979
3,127.00	24.16	209.540	3,006.48	-592.78	-329.81	1,911,444.27	1,281,985.46	36.24705857	-107.46558209
3,221.00	21.79	206.160	3,093.02	-625.18	-346.99	1,911,411.87	1,281,968.28	36.24696899	-107.46563897
3,316.00	22.13	208.810	3,181.13	-656.69	-363.39	1,911,380.37	1,281,951.88	36.24688189	-107.46569322
3,411.00	24.10	210.120	3,268.50	-689.15	-381.74	1,911,347.91	1,281,933.52	36.24679211	-107.46575409
3,506.00	24.43	210.480	3,355.10	-722.85	-401.44	1,911,314.20	1,281,913.83	36.24669885	-107.46581944
3,600.00	22.42	207.160	3,441.35	-755.56	-419.49	1,911,281.49	1,281,895.78	36.24660840	-107.46587924
3,695.00	23.27	210.040	3,528.90	-787.92	-437.15	1,911,249.13	1,281,878.12	36.24651890	-107.46593776
3,790.00	24.37	209.720	3,615.81	-821.19	-456.26	1,911,215.86	1,281,859.00	36.24642688	-107.46600114
3,885.00	22.62	207.370	3,702.93	-854.44	-474.38	1,911,182.61	1,281,840.89	36.24633493	-107.46606116
3,980.00	23.98	211.060	3,790.19	-887.21	-492.74	1,911,149.85	1,281,822.53	36.24624431	-107.46612202
4,074.00	22.84	210.860	3,876.45	-919.23	-511.96	1,911,117.82	1,281,803.31	36.24615569	-107.46618580
4,168.00	21.51	209.510	3,963.50	-949.89	-529.80	1,911,087.16	1,281,785.47	36.24607087	-107.46624501
4,263.00	18.80	209.200	4,052.67	-978.42	-545.85	1,911,058.64	1,281,769.42	36.24599198	-107.46629822
4,358.00	15.99	210.600	4,143.32	-1,003.05	-559.98	1,911,034.01	1,281,755.28	36.24592384	-107.46634508
4,452.00	12.78	212.400	4,234.36	-1,022.97	-572.15	1,911,014.08	1,281,743.12	36.24586869	-107.46638548
4,547.00	11.21	216.420	4,327.28	-1,039.28	-583.26	1,910,997.78	1,281,732.01	36.24582353	-107.46642247
4,642.00	8.20	207.110	4,420.92	-1,052.74	-591.83	1,910,984.31	1,281,723.43	36.24578625	-107.46645096
4,737.00	5.06	204.570	4,515.27	-1,062.58	-596.67	1,910,974.47	1,281,718.60	36.24575905	-107.46646692
4,832.00	2.62	193.320	4,610.05	-1,068.51	-598.91	1,910,968.55	1,281,716.36	36.24574270	-107.46647427
4,927.00	0.52	197.500	4,705.01	-1,071.03	-599.54	1,910,966.02	1,281,715.73	36.24573575	-107.46647630
5,022.00	0.64	206.260	4,800.01	-1,071.92	-599.90	1,910,965.13	1,281,715.37	36.24573330	-107.46647750
5,053.00	0.67	201.120	4,831.00	-1,072.24	-600.04	1,910,964.81	1,281,715.22	36.24573240	-107.46647797
5,085.00	0.77	188.790	4,863.00	-1,072.63	-600.14	1,910,964.42	1,281,715.12	36.24573134	-107.46647829
5,117.00	1.40	296.030	4,895.00	-1,072.67	-600.53	1,910,964.38	1,281,714.74	36.24573121	-107.46647959
5,148.00	5.06	320.290	4,925.94	-1,071.45	-601.74	1,910,965.60	1,281,713.53	36.24573452	-107.46648376
5,180.00	8.45	324.780	4,957.72	-1,068.45	-604.00	1,910,968.61	1,281,711.27	36.24574270	-107.46649155
5,211.00	10.96	324.720	4,988.27	-1,064.18	-607.02	1,910,972.87	1,281,708.25	36.24575431	-107.46650195
5,242.00	13.67	324.480	5,018.56	-1,058.79	-610.85	1,910,978.26	1,281,704.42	36.24576898	-107.46651517
5,274.00	16.16	324.970	5,049.48	-1,052.07	-615.60	1,910,984.99	1,281,699.67	36.24578729	-107.46653158
5,306.00	19.22	326.210	5,079.96	-1,044.04	-621.09	1,910,993.01	1,281,694.18	36.24580914	-107.46655052
5,337.00	22.27	325.430	5,108.95	-1,034.96	-627.26	1,911,002.09	1,281,688.01	36.24583387	-107.46657184
5,369.00	25.31	324.530	5,138.22	-1,024.39	-634.67	1,911,012.66	1,281,680.60	36.24586263	-107.46659742
5,400.00	28.03	323.500	5,165.92	-1,013.14	-642.85	1,911,023.91	1,281,672.42	36.24589326	-107.46662563
5,432.00	30.64	323.940	5,193.82	-1,000.50	-652.13	1,911,036.55	1,281,663.14	36.24592765	-107.46665761
5,464.00	32.13	324.790	5,221.13	-986.96	-661.83	1,911,050.10	1,281,653.44	36.24596452	-107.46669110
5,495.00	33.93	323.250	5,247.12	-973.29	-671.76	1,911,063.77	1,281,643.51	36.24600172	-107.46672535



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Mar1724_v17

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,527.00	36.57	323.640	5,273.25	-958.45	-682.76	1,911,078.60	1,281,632.51	36.24604208	-107.46676327	
5,559.00	39.40	323.430	5,298.47	-942.62	-694.47	1,911,094.44	1,281,620.80	36.24608517	-107.46680363	
5,590.00	41.61	325.380	5,322.04	-926.24	-706.18	1,911,110.81	1,281,609.09	36.24612974	-107.46684404	
5,622.00	44.71	326.170	5,345.38	-908.14	-718.48	1,911,128.91	1,281,596.79	36.24617903	-107.46688654	
5,653.00	47.60	324.920	5,366.85	-889.71	-731.13	1,911,147.34	1,281,584.13	36.24622921	-107.46693022	
5,685.00	50.50	325.290	5,387.83	-869.89	-744.96	1,911,167.16	1,281,570.31	36.24628317	-107.46697794	
5,716.00	54.40	325.180	5,406.71	-849.70	-758.97	1,911,187.35	1,281,556.30	36.24633813	-107.46702631	
5,748.00	58.78	324.560	5,424.33	-827.87	-774.34	1,911,209.19	1,281,540.93	36.24639758	-107.46707935	
5,780.00	63.15	324.730	5,439.86	-805.05	-790.53	1,911,232.00	1,281,524.74	36.24645968	-107.46713520	
5,811.00	67.81	325.060	5,452.72	-781.98	-806.74	1,911,255.07	1,281,508.53	36.24652248	-107.46719116	
5,843.00	72.53	324.430	5,463.57	-757.41	-824.11	1,911,279.64	1,281,491.16	36.24658937	-107.46725111	
5,874.00	76.95	324.590	5,471.73	-733.07	-841.47	1,911,303.99	1,281,473.80	36.24665563	-107.46731100	
Survey @ 5874.00 MD 5471.73 TVD										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
420.00	419.96	-4.24	-2.69	MWD surveys	
5,874.00	5,471.73	-733.07	-841.47	Survey @ 5874.00 MD 5471.73 TVD	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Project	Rio Arriba County, New Mexico NAD83 NM C		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Haynes Canyon Unit (428,430,440 & 442)				
Site Position:		Northing:	1,912,025.28 usft	Latitude:	36.24866700
From:	Lat/Long	Easting:	1,282,353.75 usft	Longitude:	-107.46435800
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "		

Well	Haynes Canyon Unit 440H, Surf loc: 916 FSL 390 FWL Section 03-T23N-R06W					
Well Position	+N/-S	0.00 ft	Northing:	1,912,037.05 usft	Latitude:	36.24869800
	+E/-W	0.00 ft	Easting:	1,282,315.27 usft	Longitude:	-107.46448900
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,703.00 ft
Grid Convergence:		-0.72 °				

Wellbore	Sidetrack 01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/5/2024	8.38	62.75	49,069.35032082

Design	ST1 MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	420.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	315.000	

Survey Program	Date	4/21/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	420.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
514.00	5,913.00	ST1 MWD int (Sidetrack 01)	MWD	OWSG MWD - Standard	
5,981.00	12,313.00	ST1 MWD (Sidetrack 01)	MWD	OWSG MWD - Standard	
12,374.00	12,374.00	Projection (Sidetrack 01)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
420.00	1.37	212.450	419.96	-4.24	-2.69	-1.09	0.33	0.33	0.00
MWD surveys - Tie into original hole @ 420 MD									
514.00	2.71	197.640	513.90	-7.30	-3.97	-2.36	1.52	1.43	-15.76
609.00	3.85	192.320	608.74	-12.56	-5.33	-5.11	1.24	1.20	-5.60
704.00	6.08	185.240	703.38	-20.69	-6.47	-10.05	2.43	2.35	-7.45
799.00	8.91	182.540	797.56	-33.05	-7.26	-18.24	3.00	2.98	-2.84



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
893.00	10.44	179.130	890.22	-48.84	-7.45	-29.27	1.74	1.63	-3.63
988.00	10.41	179.800	983.65	-66.03	-7.29	-41.53	0.13	-0.03	0.71
1,083.00	11.97	186.660	1,076.85	-84.40	-8.40	-53.74	2.16	1.64	7.22
1,174.00	13.63	194.160	1,165.59	-104.17	-12.12	-65.09	2.58	1.82	8.24
1,264.00	15.47	200.170	1,252.70	-125.72	-18.85	-75.57	2.64	2.04	6.68
1,355.00	17.61	206.530	1,339.94	-149.43	-29.19	-85.03	3.08	2.35	6.99
1,445.00	19.57	209.810	1,425.24	-174.70	-42.77	-93.29	2.47	2.18	3.64
1,535.00	21.83	211.670	1,509.43	-202.02	-59.05	-101.10	2.61	2.51	2.07
1,627.00	23.78	211.280	1,594.23	-232.43	-77.66	-109.44	2.13	2.12	-0.42
1,715.00	23.44	211.090	1,674.87	-262.58	-95.91	-117.86	0.40	-0.39	-0.22
1,806.00	22.98	209.820	1,758.50	-293.50	-114.09	-126.86	0.75	-0.51	-1.40
1,896.00	24.09	208.360	1,841.01	-324.90	-131.55	-136.72	1.39	1.23	-1.62
1,990.00	22.65	205.630	1,927.30	-358.11	-148.50	-148.22	1.92	-1.53	-2.90
2,085.00	24.01	209.270	2,014.54	-391.46	-165.86	-159.53	2.09	1.43	3.83
2,180.00	25.97	215.130	2,100.65	-425.34	-187.28	-168.33	3.32	2.06	6.17
2,275.00	25.35	214.650	2,186.28	-459.08	-210.82	-175.55	0.69	-0.65	-0.51
2,369.00	24.02	212.670	2,271.69	-491.74	-232.59	-183.25	1.67	-1.41	-2.11
2,464.00	22.07	210.010	2,359.11	-523.48	-251.95	-192.00	2.33	-2.05	-2.80
2,559.00	22.37	212.960	2,447.06	-554.10	-270.71	-200.39	1.22	0.32	3.11
2,654.00	23.90	214.540	2,534.42	-585.13	-291.46	-207.65	1.74	1.61	1.66
2,749.00	22.22	212.830	2,621.82	-616.07	-312.11	-214.93	1.90	-1.77	-1.80
2,843.00	23.37	212.960	2,708.48	-646.65	-331.89	-222.57	1.22	1.22	0.14
2,938.00	23.84	214.870	2,795.53	-678.21	-353.12	-229.88	0.94	0.49	2.01
3,033.00	22.11	213.760	2,883.00	-708.83	-374.03	-236.74	1.88	-1.82	-1.17
3,128.00	22.82	215.050	2,970.79	-738.78	-394.55	-243.41	0.91	0.75	1.36
3,222.00	22.88	213.370	3,057.41	-768.96	-415.07	-250.24	0.70	0.06	-1.79
3,317.00	22.43	214.040	3,145.08	-799.40	-435.37	-257.41	0.55	-0.47	0.71
3,412.00	23.12	217.170	3,232.68	-829.29	-456.79	-263.40	1.47	0.73	3.29
3,507.00	21.67	216.070	3,320.51	-858.33	-478.38	-268.66	1.59	-1.53	-1.16
3,601.00	20.28	213.090	3,408.28	-886.01	-497.50	-274.72	1.86	-1.48	-3.17
3,696.00	21.90	214.070	3,496.91	-914.48	-516.41	-281.47	1.75	1.71	1.03
3,791.00	22.74	217.420	3,584.80	-943.74	-537.50	-287.26	1.60	0.88	3.53
3,886.00	20.63	217.990	3,673.07	-971.51	-558.96	-291.72	2.23	-2.22	0.60
3,980.00	18.40	215.730	3,761.67	-996.61	-577.82	-296.13	2.50	-2.37	-2.40
4,075.00	16.92	216.260	3,852.19	-1,019.93	-594.75	-300.65	1.57	-1.56	0.56
4,170.00	14.45	217.300	3,943.64	-1,040.51	-610.11	-304.34	2.62	-2.60	1.09
4,264.00	12.25	223.700	4,035.10	-1,057.05	-624.11	-306.14	2.82	-2.34	6.81
4,359.00	8.70	224.920	4,128.50	-1,069.43	-636.15	-306.37	3.74	-3.74	1.28
4,454.00	6.77	230.320	4,222.64	-1,078.09	-645.53	-305.87	2.17	-2.03	5.68
4,549.00	6.55	228.650	4,317.00	-1,085.25	-653.91	-305.00	0.31	-0.23	-1.76
4,644.00	4.81	233.640	4,411.53	-1,091.19	-661.19	-304.06	1.90	-1.83	5.25
4,739.00	2.94	236.110	4,506.30	-1,094.91	-666.42	-302.99	1.98	-1.97	2.60
4,834.00	1.09	273.150	4,601.25	-1,096.22	-669.34	-301.85	2.29	-1.95	38.99
4,928.00	2.52	279.910	4,695.20	-1,095.81	-672.27	-299.49	1.54	1.52	7.19



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,023.00	2.08	274.640	4,790.12	-1,095.31	-676.05	-296.47	0.51	-0.46	-5.55
5,055.00	1.72	268.920	4,822.10	-1,095.28	-677.11	-295.69	1.27	-1.13	-17.88
5,086.00	3.40	284.810	4,853.07	-1,095.05	-678.46	-294.57	5.83	5.42	51.26
5,117.00	6.46	291.490	4,883.95	-1,094.18	-680.97	-292.18	10.03	9.87	21.55
5,149.00	9.61	296.430	4,915.63	-1,092.33	-685.04	-288.00	10.07	9.84	15.44
5,181.00	12.22	302.160	4,947.05	-1,089.34	-690.30	-282.16	8.82	8.16	17.91
5,212.00	14.51	309.090	4,977.21	-1,085.14	-696.09	-275.10	9.00	7.39	22.35
5,244.00	16.89	310.870	5,008.02	-1,079.57	-702.72	-266.47	7.59	7.44	5.56
5,275.00	20.03	308.370	5,037.42	-1,073.33	-710.29	-256.71	10.44	10.13	-8.06
5,307.00	22.02	311.220	5,067.29	-1,065.97	-719.10	-245.27	6.99	6.22	8.91
5,339.00	24.01	318.770	5,096.75	-1,057.12	-727.91	-232.79	11.11	6.22	23.59
5,370.00	25.87	323.600	5,124.86	-1,046.93	-736.08	-219.81	8.89	6.00	15.58
5,402.00	27.87	325.520	5,153.40	-1,035.14	-744.46	-205.55	6.81	6.25	6.00
5,433.00	30.54	324.560	5,180.46	-1,022.75	-753.13	-190.65	8.74	8.61	-3.10
5,465.00	32.64	324.120	5,207.72	-1,009.13	-762.90	-174.11	6.60	6.56	-1.38
5,497.00	34.50	324.590	5,234.38	-994.75	-773.21	-156.66	5.87	5.81	1.47
5,528.00	36.65	325.930	5,259.59	-979.93	-783.48	-138.91	7.38	6.94	4.32
5,560.00	39.49	326.920	5,284.78	-963.49	-794.39	-119.57	9.08	8.88	3.09
5,591.00	41.97	327.450	5,308.27	-946.49	-805.35	-99.81	8.08	8.00	1.71
5,622.00	44.58	328.090	5,330.84	-928.52	-816.68	-79.08	8.54	8.42	2.06
5,654.00	47.62	329.400	5,353.02	-908.80	-828.63	-56.69	9.95	9.50	4.09
5,686.00	50.42	329.180	5,374.01	-888.04	-840.97	-33.28	8.77	8.75	-0.69
5,717.00	53.66	328.660	5,393.07	-867.11	-853.59	-9.56	10.53	10.45	-1.68
5,749.00	57.55	327.370	5,411.15	-844.72	-867.58	16.16	12.60	12.16	-4.03
5,781.00	61.20	325.790	5,427.45	-821.75	-882.74	43.13	12.17	11.41	-4.94
5,812.00	65.57	324.030	5,441.33	-799.08	-898.68	70.43	14.98	14.10	-5.68
5,844.00	69.83	323.100	5,453.47	-775.27	-916.26	99.70	13.58	13.31	-2.91
5,845.25	70.00	323.084	5,453.90	-774.33	-916.96	100.86	13.54	13.48	-1.29
FTP @ 5845.25 MD 5453.90 TVD									
5,875.00	74.01	322.710	5,463.09	-751.77	-934.03	128.88	13.54	13.48	-1.26
5,913.00	79.01	323.100	5,471.95	-722.30	-956.31	165.47	13.20	13.16	1.03
5,962.00	80.71	322.335	5,480.58	-683.93	-985.53	213.26	3.80	3.47	-1.56
9 5/8" Casing shoe @ 5962.00 MD 5480.58 TVD									
5,981.00	81.37	322.040	5,483.54	-669.10	-997.03	231.89	3.80	3.47	-1.55
6,044.00	84.26	322.990	5,491.42	-619.51	-1,035.07	293.85	4.83	4.59	1.51
6,138.00	91.50	323.970	5,494.89	-544.06	-1,090.93	386.69	7.77	7.70	1.04
6,232.00	90.94	323.780	5,492.89	-468.15	-1,146.33	479.55	0.63	-0.60	-0.20
6,326.00	88.21	320.940	5,493.59	-393.74	-1,203.73	572.75	4.19	-2.90	-3.02
6,420.00	90.43	321.100	5,494.70	-320.67	-1,262.85	666.22	2.37	2.36	0.17
6,514.00	89.91	320.250	5,494.42	-247.96	-1,322.42	759.76	1.06	-0.55	-0.90
6,608.00	89.44	320.260	5,494.96	-175.68	-1,382.52	853.36	0.50	-0.50	0.01
6,703.00	90.90	318.850	5,494.68	-103.39	-1,444.14	948.05	2.14	1.54	-1.48
6,797.00	88.76	316.410	5,494.96	-33.95	-1,507.48	1,041.94	3.45	-2.28	-2.60



Survey Report



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Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,891.00	90.49	316.980	5,495.57	34.45	-1,571.95	1,135.90	1.94	1.84	0.61	
6,986.00	89.64	315.600	5,495.46	103.12	-1,637.59	1,230.87	1.71	-0.89	-1.45	
7,079.00	92.44	315.940	5,493.77	169.74	-1,702.45	1,323.83	3.03	3.01	0.37	
7,174.00	92.00	316.070	5,490.09	238.03	-1,768.38	1,418.75	0.48	-0.46	0.14	
7,267.00	91.11	315.480	5,487.57	304.65	-1,833.23	1,511.70	1.15	-0.96	-0.63	
7,362.00	90.69	315.670	5,486.08	372.49	-1,899.71	1,606.69	0.49	-0.44	0.20	
7,456.00	90.23	316.080	5,485.32	439.96	-1,965.16	1,700.67	0.66	-0.49	0.44	
7,549.00	89.41	316.020	5,485.62	506.91	-2,029.70	1,793.66	0.88	-0.88	-0.06	
7,643.00	88.76	315.470	5,487.12	574.23	-2,095.29	1,887.64	0.91	-0.69	-0.59	
7,738.00	87.51	315.180	5,490.21	641.75	-2,162.05	1,982.58	1.35	-1.32	-0.31	
7,831.00	89.34	315.300	5,492.77	707.76	-2,227.50	2,075.54	1.97	1.97	0.13	
7,925.00	88.23	313.590	5,494.76	773.56	-2,294.59	2,169.51	2.17	-1.18	-1.82	
8,018.00	90.38	314.620	5,495.89	838.27	-2,361.36	2,262.49	2.56	2.31	1.11	
8,112.00	90.03	313.720	5,495.55	903.77	-2,428.79	2,356.47	1.03	-0.37	-0.96	
8,206.00	92.23	314.950	5,493.70	969.45	-2,496.00	2,450.44	2.68	2.34	1.31	
8,300.00	92.31	313.900	5,489.97	1,035.19	-2,563.08	2,544.36	1.12	0.09	-1.12	
8,393.00	91.71	312.630	5,486.71	1,098.89	-2,630.76	2,637.26	1.51	-0.65	-1.37	
8,488.00	91.33	312.390	5,484.19	1,163.06	-2,700.77	2,732.14	0.47	-0.40	-0.25	
8,583.00	90.50	314.760	5,482.67	1,228.53	-2,769.58	2,827.09	2.64	-0.87	2.49	
8,676.00	88.30	315.770	5,483.65	1,294.59	-2,835.02	2,920.08	2.60	-2.37	1.09	
8,771.00	88.64	315.990	5,486.18	1,362.76	-2,901.14	3,015.03	0.43	0.36	0.23	
8,866.00	88.16	315.520	5,488.84	1,430.79	-2,967.39	3,109.98	0.71	-0.51	-0.49	
8,959.00	90.11	316.500	5,490.24	1,497.69	-3,031.97	3,202.95	2.35	2.10	1.05	
9,053.00	89.39	315.910	5,490.65	1,565.54	-3,097.03	3,296.93	0.99	-0.77	-0.63	
9,148.00	88.12	315.230	5,492.72	1,633.36	-3,163.51	3,391.90	1.52	-1.34	-0.72	
9,242.00	89.84	314.910	5,494.39	1,699.89	-3,229.89	3,485.88	1.86	1.83	-0.34	
9,335.00	89.68	313.640	5,494.78	1,764.82	-3,296.47	3,578.87	1.38	-0.17	-1.37	
9,429.00	89.58	313.070	5,495.38	1,829.35	-3,364.82	3,672.83	0.62	-0.11	-0.61	
9,523.00	90.17	312.910	5,495.59	1,893.44	-3,433.58	3,766.77	0.65	0.63	-0.17	
9,618.00	89.31	314.530	5,496.02	1,959.10	-3,502.23	3,861.74	1.93	-0.91	1.71	
9,712.00	90.01	314.340	5,496.58	2,024.90	-3,569.35	3,955.74	0.77	0.74	-0.20	
9,806.00	90.05	313.580	5,496.53	2,090.16	-3,637.02	4,049.72	0.81	0.04	-0.81	
9,900.00	89.86	312.430	5,496.60	2,154.27	-3,705.76	4,143.66	1.24	-0.20	-1.22	
9,994.00	89.85	313.950	5,496.84	2,218.60	-3,774.29	4,237.61	1.62	-0.01	1.62	
10,089.00	90.66	315.800	5,496.42	2,285.63	-3,841.61	4,332.61	2.13	0.85	1.95	
10,183.00	89.57	313.950	5,496.23	2,351.94	-3,908.21	4,426.60	2.28	-1.16	-1.97	
10,277.00	90.27	315.730	5,496.36	2,418.22	-3,974.86	4,520.60	2.03	0.74	1.89	
10,370.00	89.65	314.740	5,496.43	2,484.25	-4,040.35	4,613.59	1.26	-0.67	-1.06	
10,464.00	89.88	314.400	5,496.81	2,550.22	-4,107.32	4,707.59	0.44	0.24	-0.36	
10,557.00	90.15	317.570	5,496.79	2,617.09	-4,171.93	4,800.56	3.42	0.29	3.41	
10,651.00	89.77	316.700	5,496.85	2,685.99	-4,235.88	4,894.50	1.01	-0.40	-0.93	
10,746.00	89.41	316.080	5,497.53	2,754.77	-4,301.40	4,989.47	0.75	-0.38	-0.65	
10,840.00	90.15	316.510	5,497.89	2,822.72	-4,366.35	5,083.44	0.91	0.79	0.46	
10,934.00	89.63	315.570	5,498.07	2,890.39	-4,431.60	5,177.42	1.14	-0.55	-1.00	



Survey Report



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Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,028.00	89.04	314.430	5,499.17	2,956.85	-4,498.06	5,271.42	1.37	-0.63	-1.21
11,123.00	90.39	315.370	5,499.64	3,023.90	-4,565.35	5,366.41	1.73	1.42	0.99
11,217.00	89.79	314.610	5,499.49	3,090.36	-4,631.83	5,460.41	1.03	-0.64	-0.81
11,311.00	89.66	314.060	5,499.94	3,156.05	-4,699.06	5,554.40	0.60	-0.14	-0.59
11,405.00	90.52	314.510	5,499.79	3,221.68	-4,766.35	5,648.39	1.03	0.91	0.48
11,499.00	89.42	316.830	5,499.84	3,288.92	-4,832.03	5,742.38	2.73	-1.17	2.47
11,593.00	90.12	317.090	5,500.22	3,357.62	-4,896.19	5,836.32	0.79	0.74	0.28
11,687.00	90.12	316.730	5,500.02	3,426.27	-4,960.40	5,930.27	0.38	0.00	-0.38
11,782.00	89.82	316.050	5,500.07	3,495.05	-5,025.93	6,025.24	0.78	-0.32	-0.72
11,876.00	90.04	315.570	5,500.19	3,562.45	-5,091.45	6,119.23	0.56	0.23	-0.51
11,970.00	89.81	315.010	5,500.31	3,629.25	-5,157.58	6,213.23	0.64	-0.24	-0.60
12,063.00	90.09	315.190	5,500.39	3,695.13	-5,223.23	6,306.23	0.36	0.30	0.19
12,158.00	89.62	314.620	5,500.63	3,762.19	-5,290.51	6,401.23	0.78	-0.49	-0.60
12,251.00	90.01	314.800	5,500.93	3,827.62	-5,356.60	6,494.23	0.46	0.42	0.19
12,302.90	89.71	314.607	5,501.06	3,864.13	-5,393.49	6,546.13	0.69	-0.58	-0.37
LTP @ 12302.90 MD 5501.06 TVD									
12,309.00	89.67	314.585	5,501.09	3,868.41	-5,397.84	6,552.23	0.69	-0.58	-0.37
330 ppd @ 12309.00 MD 5501.09 TVD									
12,313.00	89.65	314.570	5,501.12	3,871.22	-5,400.69	6,556.23	0.69	-0.58	-0.37
Survey @ 12313.00 MD 5501.12 TVD									
12,374.00	89.65	314.570	5,501.49	3,914.03	-5,444.14	6,617.22	0.00	0.00	0.00
Survey proj. to 12374 MD 5501.49 TVD 490 FNL 183 FWL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
420.00	419.96	-4.24	-2.69	MWD surveys
420.00	419.96	-4.24	-2.69	Tie into original hole @ 420 MD
5,845.25	5,453.90	-774.33	-916.96	FTP @ 5845.25 MD 5453.90 TVD
5,962.00	5,480.58	-683.93	-985.53	9 5/8" Casing shoe @ 5962.00 MD 5480.58 TVD
12,302.90	5,501.06	3,864.13	-5,393.49	LTP @ 12302.90 MD 5501.06 TVD
12,309.00	5,501.09	3,868.41	-5,397.84	330 ppd @ 12309.00 MD 5501.09 TVD
12,313.00	5,501.12	3,871.22	-5,400.69	Survey @ 12313.00 MD 5501.12 TVD
12,374.00	5,501.49	3,914.03	-5,444.14	Survey proj. to 12374 MD 5501.49 TVD 490 FNL 183 FWL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Project	Rio Arriba County, New Mexico NAD83 NM C		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Haynes Canyon Unit (428,430,440 & 442)				
Site Position:		Northing:	1,912,025.28 usft	Latitude:	36.24866700
From:	Lat/Long	Easting:	1,282,353.75 usft	Longitude:	-107.46435800
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.72 °

Well	Haynes Canyon Unit 440H, Surf loc: 916 FSL 390 FWL Section 03-T23N-R06W					
Well Position	+N/-S	0.00 ft	Northing:	1,912,037.05 usft	Latitude:	36.24869800
	+E/-W	0.00 ft	Easting:	1,282,315.27 usft	Longitude:	-107.46448900
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,703.00 ft

Wellbore	Sidetrack 01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/5/2024	8.38	62.75	49,069.35032082

Design	ST1 MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	420.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00		315.000

Survey Program	Date	4/21/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	420.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
514.00	5,913.00	ST1 MWD int (Sidetrack 01)	MWD	OWSG MWD - Standard	
5,981.00	12,313.00	ST1 MWD (Sidetrack 01)	MWD	OWSG MWD - Standard	
12,374.00	12,374.00	Projection (Sidetrack 01)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.000	0.00	0.00	0.00	1,912,037.05	1,282,315.27	36.24869800	-107.46448900	
420.00	1.37	212.450	419.96	-4.24	-2.69	1,912,032.82	1,282,312.57	36.24868627	-107.46449796	
MWD surveys - Tie into original hole @ 420 MD										
514.00	2.71	197.640	513.90	-7.30	-3.97	1,912,029.75	1,282,311.30	36.24867781	-107.46450216	
609.00	3.85	192.320	608.74	-12.56	-5.33	1,912,024.49	1,282,309.94	36.24866332	-107.46450655	
704.00	6.08	185.240	703.38	-20.69	-6.47	1,912,016.37	1,282,308.80	36.24864096	-107.46451007	
799.00	8.91	182.540	797.56	-33.05	-7.26	1,912,004.00	1,282,308.01	36.24860698	-107.46451221	
893.00	10.44	179.130	890.22	-48.84	-7.45	1,911,988.21	1,282,307.82	36.24856361	-107.46451219	
988.00	10.41	179.800	983.65	-66.03	-7.29	1,911,971.03	1,282,307.98	36.24851641	-107.46451092	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,083.00	11.97	186.660	1,076.85	-84.40	-8.40	1,911,952.66	1,282,306.86	36.24846592	-107.46451391
1,174.00	13.63	194.160	1,165.59	-104.17	-12.12	1,911,932.88	1,282,303.15	36.24841148	-107.46452567
1,264.00	15.47	200.170	1,252.70	-125.72	-18.85	1,911,911.33	1,282,296.41	36.24835206	-107.46454759
1,355.00	17.61	206.530	1,339.94	-149.43	-29.19	1,911,887.62	1,282,286.08	36.24828658	-107.46458163
1,445.00	19.57	209.810	1,425.24	-174.70	-42.77	1,911,862.36	1,282,272.50	36.24821672	-107.46462659
1,535.00	21.83	211.670	1,509.43	-202.02	-59.05	1,911,835.03	1,282,256.22	36.24814112	-107.46468063
1,627.00	23.78	211.280	1,594.23	-232.43	-77.66	1,911,804.62	1,282,237.61	36.24805695	-107.46474245
1,715.00	23.44	211.090	1,674.87	-262.58	-95.91	1,911,774.47	1,282,219.36	36.24797351	-107.46480305
1,806.00	22.98	209.820	1,758.50	-293.50	-114.09	1,911,743.56	1,282,201.18	36.24788798	-107.46486338
1,896.00	24.09	208.360	1,841.01	-324.90	-131.55	1,911,712.15	1,282,183.72	36.24780112	-107.46492125
1,990.00	22.65	205.630	1,927.30	-358.11	-148.50	1,911,678.95	1,282,166.77	36.24770935	-107.46497729
2,085.00	24.01	209.270	2,014.54	-391.46	-165.86	1,911,645.59	1,282,149.41	36.24761714	-107.46503475
2,180.00	25.97	215.130	2,100.65	-425.34	-187.28	1,911,611.71	1,282,127.98	36.24752335	-107.46510595
2,275.00	25.35	214.650	2,186.28	-459.08	-210.82	1,911,577.97	1,282,104.45	36.24742987	-107.46518431
2,369.00	24.02	212.670	2,271.69	-491.74	-232.59	1,911,545.31	1,282,082.68	36.24733941	-107.46525673
2,464.00	22.07	210.010	2,359.11	-523.48	-251.95	1,911,513.57	1,282,063.32	36.24725159	-107.46532105
2,559.00	22.37	212.960	2,447.06	-554.10	-270.71	1,911,482.95	1,282,044.55	36.24716683	-107.46538336
2,654.00	23.90	214.540	2,534.42	-585.13	-291.46	1,911,451.93	1,282,023.81	36.24708091	-107.46545239
2,749.00	22.22	212.830	2,621.82	-616.07	-312.11	1,911,420.98	1,282,003.15	36.24699520	-107.46552110
2,843.00	23.37	212.960	2,708.48	-646.65	-331.89	1,911,390.40	1,281,983.37	36.24691053	-107.46558687
2,938.00	23.84	214.870	2,795.53	-678.21	-353.12	1,911,358.84	1,281,962.15	36.24682312	-107.46565750
3,033.00	22.11	213.760	2,883.00	-708.83	-374.03	1,911,328.22	1,281,941.23	36.24673831	-107.46572711
3,128.00	22.82	215.050	2,970.79	-738.78	-394.55	1,911,298.28	1,281,920.72	36.24665535	-107.46579539
3,222.00	22.88	213.370	3,057.41	-768.96	-415.07	1,911,268.09	1,281,900.20	36.24657175	-107.46586369
3,317.00	22.43	214.040	3,145.08	-799.40	-435.37	1,911,237.65	1,281,879.90	36.24648744	-107.46593123
3,412.00	23.12	217.170	3,232.68	-829.29	-456.79	1,911,207.77	1,281,858.48	36.24640463	-107.46600257
3,507.00	21.67	216.070	3,320.51	-858.33	-478.38	1,911,178.73	1,281,836.88	36.24632412	-107.46607457
3,601.00	20.28	213.090	3,408.28	-886.01	-497.50	1,911,151.05	1,281,817.77	36.24624744	-107.46613820
3,696.00	21.90	214.070	3,496.91	-914.48	-516.41	1,911,122.58	1,281,798.85	36.24616859	-107.46620112
3,791.00	22.74	217.420	3,584.80	-943.74	-537.50	1,911,093.32	1,281,777.77	36.24608751	-107.46627136
3,886.00	20.63	217.990	3,673.07	-971.51	-558.96	1,911,065.54	1,281,756.31	36.24601048	-107.46634295
3,980.00	18.40	215.730	3,761.67	-996.61	-577.82	1,911,040.44	1,281,737.45	36.24594090	-107.46640582
4,075.00	16.92	216.260	3,852.19	-1,019.93	-594.75	1,911,017.12	1,281,720.52	36.24587627	-107.46646224
4,170.00	14.45	217.300	3,943.64	-1,040.51	-610.11	1,910,996.55	1,281,705.16	36.24581922	-107.46651345
4,264.00	12.25	223.700	4,035.10	-1,057.05	-624.11	1,910,980.00	1,281,691.16	36.24577330	-107.46656021
4,359.00	8.70	224.920	4,128.50	-1,069.43	-636.15	1,910,967.63	1,281,679.12	36.24573889	-107.46660051
4,454.00	6.77	230.320	4,222.64	-1,078.09	-645.53	1,910,958.96	1,281,669.73	36.24571477	-107.46663196
4,549.00	6.55	228.650	4,317.00	-1,085.25	-653.91	1,910,951.81	1,281,661.36	36.24569483	-107.46666006
4,644.00	4.81	233.640	4,411.53	-1,091.19	-661.19	1,910,945.86	1,281,654.08	36.24567826	-107.46668447
4,739.00	2.94	236.110	4,506.30	-1,094.91	-666.42	1,910,942.14	1,281,648.85	36.24566787	-107.46670205
4,834.00	1.09	273.150	4,601.25	-1,096.22	-669.34	1,910,940.84	1,281,645.93	36.24566417	-107.46671191
4,928.00	2.52	279.910	4,695.20	-1,095.81	-672.27	1,910,941.24	1,281,643.00	36.24566518	-107.46672186
5,023.00	2.08	274.640	4,790.12	-1,095.31	-676.05	1,910,941.74	1,281,639.22	36.24566642	-107.46673468
5,055.00	1.72	268.920	4,822.10	-1,095.28	-677.11	1,910,941.78	1,281,638.16	36.24566649	-107.46673827
5,086.00	3.40	284.810	4,853.07	-1,095.05	-678.46	1,910,942.00	1,281,636.81	36.24566706	-107.46674287
5,117.00	6.46	291.490	4,883.95	-1,094.18	-680.97	1,910,942.88	1,281,634.30	36.24566938	-107.46675143
5,149.00	9.61	296.430	4,915.63	-1,092.33	-685.04	1,910,944.73	1,281,630.23	36.24567431	-107.46676530
5,181.00	12.22	302.160	4,947.05	-1,089.34	-690.30	1,910,947.72	1,281,624.97	36.24568235	-107.46678326
5,212.00	14.51	309.090	4,977.21	-1,085.14	-696.09	1,910,951.91	1,281,619.18	36.24569368	-107.46680308
5,244.00	16.89	310.870	5,008.02	-1,079.57	-702.72	1,910,957.48	1,281,612.55	36.24570875	-107.46682579
5,275.00	20.03	308.370	5,037.42	-1,073.33	-710.29	1,910,963.73	1,281,604.98	36.24572563	-107.46685172
5,307.00	22.02	311.220	5,067.29	-1,065.97	-719.10	1,910,971.08	1,281,596.17	36.24574553	-107.46688191
5,339.00	24.01	318.770	5,096.75	-1,057.12	-727.91	1,910,979.94	1,281,587.36	36.24576954	-107.46691214
5,370.00	25.87	323.600	5,124.86	-1,046.93	-736.08	1,910,990.13	1,281,579.19	36.24579724	-107.46694028
5,402.00	27.87	325.520	5,153.40	-1,035.14	-744.46	1,911,001.91	1,281,570.81	36.24582932	-107.46696919



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,433.00	30.54	324.560	5,180.46	-1,022.75	-753.13	1,911,014.30	1,281,562.14	36.24586306	-107.46699912
5,465.00	32.64	324.120	5,207.72	-1,009.13	-762.90	1,911,027.92	1,281,552.37	36.24590012	-107.46703284
5,497.00	34.50	324.590	5,234.38	-994.75	-773.21	1,911,042.30	1,281,542.06	36.24593926	-107.46706841
5,528.00	36.65	325.930	5,259.59	-979.93	-783.48	1,911,057.12	1,281,531.79	36.24597961	-107.46710387
5,560.00	39.49	326.920	5,284.78	-963.49	-794.39	1,911,073.56	1,281,520.88	36.24602439	-107.46714155
5,591.00	41.97	327.450	5,308.27	-946.49	-805.35	1,911,090.56	1,281,509.92	36.24607070	-107.46717943
5,622.00	44.58	328.090	5,330.84	-928.52	-816.68	1,911,108.54	1,281,498.59	36.24611968	-107.46721861
5,654.00	47.62	329.400	5,353.02	-908.80	-828.63	1,911,128.25	1,281,486.64	36.24617341	-107.46725999
5,686.00	50.42	329.180	5,374.01	-888.04	-840.97	1,911,149.02	1,281,474.30	36.24623002	-107.46730270
5,717.00	53.66	328.660	5,393.07	-867.11	-853.59	1,911,169.95	1,281,461.68	36.24628707	-107.46734638
5,749.00	57.55	327.370	5,411.15	-844.72	-867.58	1,911,192.33	1,281,447.69	36.24634807	-107.46739476
5,781.00	61.20	325.790	5,427.45	-821.75	-882.74	1,911,215.31	1,281,432.52	36.24641065	-107.46744718
5,812.00	65.57	324.030	5,441.33	-799.08	-898.68	1,911,237.97	1,281,416.59	36.24647235	-107.46750217
5,844.00	69.83	323.100	5,453.47	-775.27	-916.26	1,911,261.79	1,281,399.01	36.24653714	-107.46756280
5,845.25	70.00	323.084	5,453.90	-774.33	-916.96	1,911,262.72	1,281,398.31	36.24653969	-107.46756522
FTP @ 5845.25 MD 5453.90 TVD									
5,875.00	74.01	322.710	5,463.09	-751.77	-934.03	1,911,285.29	1,281,381.24	36.24660107	-107.46762406
5,913.00	79.01	323.100	5,471.95	-722.30	-956.31	1,911,314.75	1,281,358.96	36.24668123	-107.46770085
5,962.00	80.71	322.335	5,480.58	-683.93	-985.53	1,911,353.13	1,281,329.74	36.24678562	-107.46780156
9 5/8" Casing shoe @ 5962.00 MD 5480.58 TVD									
5,981.00	81.37	322.040	5,483.54	-669.10	-997.03	1,911,367.95	1,281,318.23	36.24682595	-107.46784120
6,044.00	84.26	322.990	5,491.42	-619.51	-1,035.07	1,911,417.55	1,281,280.20	36.24696084	-107.46797227
6,138.00	91.50	323.970	5,494.89	-544.06	-1,090.93	1,911,492.99	1,281,224.34	36.24716611	-107.46816490
6,232.00	90.94	323.780	5,492.89	-468.15	-1,146.33	1,911,568.90	1,281,168.94	36.24737268	-107.46835600
6,326.00	88.21	320.940	5,493.59	-393.74	-1,203.73	1,911,643.32	1,281,111.54	36.24757509	-107.46855377
6,420.00	90.43	321.100	5,494.70	-320.67	-1,262.85	1,911,716.38	1,281,052.42	36.24777372	-107.46875735
6,514.00	89.91	320.250	5,494.42	-247.96	-1,322.42	1,911,789.09	1,280,992.85	36.24797137	-107.46896244
6,608.00	89.44	320.260	5,494.96	-175.68	-1,382.52	1,911,861.37	1,280,932.75	36.24816779	-107.46916930
6,703.00	90.90	318.850	5,494.68	-103.39	-1,444.14	1,911,933.66	1,280,871.13	36.24836422	-107.46938134
6,797.00	88.76	316.410	5,494.96	-33.95	-1,507.48	1,912,003.10	1,280,807.79	36.24855274	-107.46959907
6,891.00	90.49	316.980	5,495.57	34.45	-1,571.95	1,912,071.50	1,280,743.32	36.24873837	-107.46982059
6,986.00	89.64	315.600	5,495.46	103.12	-1,637.59	1,912,140.17	1,280,677.68	36.24892470	-107.47004611
7,079.00	92.44	315.940	5,493.77	169.74	-1,702.45	1,912,206.79	1,280,612.82	36.24910543	-107.47026886
7,174.00	92.00	316.070	5,490.09	238.03	-1,768.38	1,912,275.08	1,280,546.89	36.24929071	-107.47049535
7,267.00	91.11	315.480	5,487.57	304.65	-1,833.23	1,912,341.70	1,280,482.05	36.24947144	-107.47071806
7,362.00	90.69	315.670	5,486.08	372.49	-1,899.71	1,912,409.54	1,280,415.56	36.24965545	-107.47094641
7,456.00	90.23	316.080	5,485.32	439.96	-1,965.16	1,912,477.01	1,280,350.11	36.24983850	-107.47117120
7,549.00	89.41	316.020	5,485.62	506.91	-2,029.70	1,912,543.96	1,280,285.57	36.25002015	-107.47139292
7,643.00	88.76	315.470	5,487.12	574.23	-2,095.29	1,912,611.28	1,280,219.98	36.25020277	-107.47161820
7,738.00	87.51	315.180	5,490.21	641.75	-2,162.05	1,912,678.80	1,280,153.22	36.25038590	-107.47184744
7,831.00	89.34	315.300	5,492.77	707.76	-2,227.50	1,912,744.81	1,280,087.77	36.25056492	-107.47207222
7,925.00	88.23	313.590	5,494.76	773.56	-2,294.59	1,912,810.61	1,280,020.68	36.25074332	-107.47230253
8,018.00	90.38	314.620	5,495.89	838.27	-2,361.36	1,912,875.33	1,279,953.91	36.25091875	-107.47253170
8,112.00	90.03	313.720	5,495.55	903.77	-2,428.79	1,912,940.82	1,279,886.49	36.25109630	-107.47276313
8,206.00	92.23	314.950	5,493.70	969.45	-2,496.00	1,913,006.50	1,279,819.27	36.25127434	-107.47299386
8,300.00	92.31	313.900	5,489.97	1,035.19	-2,563.08	1,913,072.24	1,279,752.19	36.25145259	-107.47322413
8,393.00	91.71	312.630	5,486.71	1,098.89	-2,630.76	1,913,135.94	1,279,684.51	36.25162519	-107.47345635
8,488.00	91.33	312.390	5,484.19	1,163.06	-2,700.77	1,913,200.11	1,279,614.51	36.25179900	-107.47369648
8,583.00	90.50	314.760	5,482.67	1,228.53	-2,769.58	1,913,265.58	1,279,545.70	36.25197643	-107.47393261
8,676.00	88.30	315.770	5,483.65	1,294.59	-2,835.02	1,913,331.64	1,279,480.25	36.25215558	-107.47415737
8,771.00	88.64	315.990	5,486.18	1,362.76	-2,901.14	1,913,399.81	1,279,414.14	36.25234052	-107.47438447
8,866.00	88.16	315.520	5,488.84	1,430.79	-2,967.39	1,913,467.84	1,279,347.88	36.25252506	-107.47461206
8,959.00	90.11	316.500	5,490.24	1,497.69	-3,031.97	1,913,534.74	1,279,283.30	36.25270655	-107.47483391
9,053.00	89.39	315.910	5,490.65	1,565.54	-3,097.03	1,913,602.59	1,279,218.25	36.25289064	-107.47505742
9,148.00	88.12	315.230	5,492.72	1,633.36	-3,163.51	1,913,670.41	1,279,151.76	36.25307461	-107.47528578



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,242.00	89.84	314.910	5,494.39	1,699.89	-3,229.89	1,913,736.94	1,279,085.39	36.25325504	-107.47551370
9,335.00	89.68	313.640	5,494.78	1,764.82	-3,296.47	1,913,801.87	1,279,018.80	36.25343104	-107.47574228
9,429.00	89.58	313.070	5,495.38	1,829.35	-3,364.82	1,913,866.40	1,278,950.45	36.25360589	-107.47597681
9,523.00	90.17	312.910	5,495.59	1,893.44	-3,433.58	1,913,930.49	1,278,881.70	36.25377954	-107.47621272
9,618.00	89.31	314.530	5,496.02	1,959.10	-3,502.23	1,913,996.15	1,278,813.04	36.25395747	-107.47644834
9,712.00	90.01	314.340	5,496.58	2,024.90	-3,569.35	1,914,061.95	1,278,745.92	36.25413588	-107.47667877
9,806.00	90.05	313.580	5,496.53	2,090.16	-3,637.02	1,914,127.20	1,278,678.26	36.25431273	-107.47691101
9,900.00	89.86	312.430	5,496.60	2,154.27	-3,705.76	1,914,191.32	1,278,609.52	36.25448643	-107.47714687
9,994.00	89.85	313.950	5,496.84	2,218.60	-3,774.29	1,914,255.65	1,278,540.99	36.25466073	-107.47738202
10,089.00	90.66	315.800	5,496.42	2,285.63	-3,841.61	1,914,322.67	1,278,473.67	36.25484247	-107.47761318
10,183.00	89.57	313.950	5,496.23	2,351.94	-3,908.21	1,914,388.99	1,278,407.06	36.25502230	-107.47784190
10,277.00	90.27	315.730	5,496.36	2,418.22	-3,974.86	1,914,455.27	1,278,340.41	36.25520201	-107.47807076
10,370.00	89.65	314.740	5,496.43	2,484.25	-4,040.35	1,914,521.30	1,278,274.92	36.25538108	-107.47829568
10,464.00	89.88	314.400	5,496.81	2,550.22	-4,107.32	1,914,587.27	1,278,207.96	36.25555992	-107.47852559
10,557.00	90.15	317.570	5,496.79	2,617.09	-4,171.93	1,914,654.14	1,278,143.34	36.25574134	-107.47874758
10,651.00	89.77	316.700	5,496.85	2,685.99	-4,235.88	1,914,723.04	1,278,079.40	36.25592833	-107.47896738
10,746.00	89.41	316.080	5,497.53	2,754.77	-4,301.40	1,914,791.82	1,278,013.88	36.25611496	-107.47919254
10,840.00	90.15	316.510	5,497.89	2,822.72	-4,366.35	1,914,859.77	1,277,948.93	36.25629933	-107.47941570
10,934.00	89.63	315.570	5,498.07	2,890.39	-4,431.60	1,914,927.43	1,277,883.68	36.25648289	-107.47963988
11,028.00	89.04	314.430	5,499.17	2,956.85	-4,498.06	1,914,993.89	1,277,817.22	36.25666311	-107.47986812
11,123.00	90.39	315.370	5,499.64	3,023.90	-4,565.35	1,915,060.95	1,277,749.93	36.25684492	-107.48009919
11,217.00	89.79	314.610	5,499.49	3,090.36	-4,631.83	1,915,127.40	1,277,683.45	36.25702512	-107.48032749
11,311.00	89.66	314.060	5,499.94	3,156.05	-4,699.06	1,915,193.10	1,277,616.22	36.25720320	-107.48055832
11,405.00	90.52	314.510	5,499.79	3,221.68	-4,766.35	1,915,258.73	1,277,548.92	36.25738111	-107.48078934
11,499.00	89.42	316.830	5,499.84	3,288.92	-4,832.03	1,915,325.96	1,277,483.24	36.25756348	-107.48101497
11,593.00	90.12	317.090	5,500.22	3,357.62	-4,896.19	1,915,394.66	1,277,419.09	36.25774992	-107.48123549
11,687.00	90.12	316.730	5,500.02	3,426.27	-4,960.40	1,915,463.31	1,277,354.87	36.25793622	-107.48145621
11,782.00	89.82	316.050	5,500.07	3,495.05	-5,025.93	1,915,532.09	1,277,289.35	36.25812284	-107.48168139
11,876.00	90.04	315.570	5,500.19	3,562.45	-5,091.45	1,915,599.50	1,277,223.83	36.25830567	-107.48190649
11,970.00	89.81	315.010	5,500.31	3,629.25	-5,157.58	1,915,666.30	1,277,157.70	36.25848683	-107.48213363
12,063.00	90.09	315.190	5,500.39	3,695.13	-5,223.23	1,915,732.17	1,277,092.05	36.25866547	-107.48235909
12,158.00	89.62	314.620	5,500.63	3,762.19	-5,290.51	1,915,799.24	1,277,024.77	36.25884730	-107.48259016
12,251.00	90.01	314.800	5,500.93	3,827.62	-5,356.60	1,915,864.66	1,276,958.67	36.25902468	-107.48281712
12,302.90	89.71	314.607	5,501.06	3,864.13	-5,393.49	1,915,901.17	1,276,921.79	36.25912366	-107.48294379
LTP @ 12302.90 MD 5501.06 TVD									
12,309.00	89.67	314.585	5,501.09	3,868.41	-5,397.84	1,915,905.45	1,276,917.44	36.25913528	-107.48295870
330 ppd @ 12309.00 MD 5501.09 TVD									
12,313.00	89.65	314.570	5,501.12	3,871.22	-5,400.69	1,915,908.26	1,276,914.59	36.25914289	-107.48296848
Survey @ 12313.00 MD 5501.12 TVD									
12,374.00	89.65	314.570	5,501.49	3,914.03	-5,444.14	1,915,951.07	1,276,871.14	36.25925894	-107.48311770
Survey proj. to 12374 MD 5501.49 TVD 490 FNL 183 FWL									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Haynes Canyon Unit 440H
Project:	Rio Arriba County, New Mexico NAD83 NM C	TVD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Site:	Haynes Canyon Unit (428,430,440 & 442)	MD Reference:	RKB=6703+25 @ 6728.00ft (Aztec 1000)
Well:	Haynes Canyon Unit 440H	North Reference:	Grid
Wellbore:	Sidetrack 01	Survey Calculation Method:	Minimum Curvature
Design:	ST1 MWD surveys	Database:	DT_Mar1724_v17

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
420.00	419.96	-4.24	-2.69	MWD surveys
420.00	419.96	-4.24	-2.69	Tie into original hole @ 420 MD
5,845.25	5,453.90	-774.33	-916.96	FTP @ 5845.25 MD 5453.90 TVD
5,962.00	5,480.58	-683.93	-985.53	9 5/8" Casing shoe @ 5962.00 MD 5480.58 TVD
12,302.90	5,501.06	3,864.13	-5,393.49	LTP @ 12302.90 MD 5501.06 TVD
12,309.00	5,501.09	3,868.41	-5,397.84	330 ppd @ 12309.00 MD 5501.09 TVD
12,313.00	5,501.12	3,871.22	-5,400.69	Survey @ 12313.00 MD 5501.12 TVD
12,374.00	5,501.49	3,914.03	-5,444.14	Survey proj. to 12374 MD 5501.49 TVD 490 FNL 183 FWL

WELL NAME: Haynes Canyon Unit 440H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-Gallup formation

API Number: 30-039-31447
AFE Number: Not yet assigned
ER Well Number: Not yet assigned

State: New Mexico
County: Rio Arriba

Surface Elev.: 6,703 ft ASL (GL) 6,728 ft ASL (KB)
Surface Location: 3-23-6 Sec-Twn- Rng 916 ft FSL 390 ft FWL
BH Location: 4-23-6 Sec-Twn- Rng 556 ft FNL 232 ft FWL

Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:
South on US Hwy 550 for 53.8 miles to MM 97.6; Left (North) on CR #379 (State Hwy 403) for 1.3 miles to fork; Right (North) remaining on CR #379 for 1.5 miles to location access on left; Haynes Canyon Unit 428H Pad. From East to West 430H, 428H, 442H, 440H).

QUICK REFERENCE	
Sur TD (MD)	359 ft
Int TD (MD)	5,975 ft
KOP (MD)	5,123 ft
KOP (TVD)	4,928 ft
Target (TVD)	5,466 ft
Curve BUR	10 °/100 ft
POE (MD)	5,823 ft
TD (MD)	12,374 ft
Lat Len (ft)	6,509 ft

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	12.250	359	9.625	36	K-55	STC	0	354
Intermediate	8.750	5,975	7	26.0	K-55	LTC	0	5,962
Production	6.125	12,374	4.500	11.6	P-110	BTC	5,789	12,341

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE I-II	14.6	1.61	7.41	0.3132	50%	0	109
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.06	0.1668	70%	0	561
Inter. (Tail)	Type III	13.5	1.71	8.88	0.1503	20%	4,323	152
Prod. (Lead)	0	0	0.000	0	0.1044	0%	0	0
Prod. (Tail)	G:POZ blend	13.3	1.520	7.54	0.0873	25%	5,789	530

COMPLETION / PRODUCTION SUMMARY:

Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)
Flowback: Flow back through production tubing as pressures allow
Production: Produce through production tubing via gas-lift into permanent production and storage facilities

Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	1,403	1,406
Kirtland	1,503	1,509
Fruitland	1,728	1,746
Pictured Cliffs	1,963	1,998
Lewis	2,113	2,158
Chacra	2,408	2,473
Cliff House	3,517	3,660
Menefee	3,522	3,665
Point Lookout	4,222	4,411
Mancos	4,497	4,691
Gallup (MNCS_A)	4,836	5,032
MNCS_B	4,927	5,122
MNCS_C	5,062	5,258
MNCS_Cms	5,127	5,326
MNCS_D	5,202	5,409
MNCS_E	5,287	5,511
MNCS_F	5,332	5,572
MNCS_G	5,418	5,710
MNCS_H	5,458	5,800
MNCS_J	0	0
FTP TARGET	5,466	5,823
PROJECTED TD	5,521	12,332

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

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

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

ACKNOWLEDGMENTS

Action 342103

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 342103
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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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

CONDITIONS

Action 342103

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 342103
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 8/15/2024.	8/15/2024