

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 30-039-31372	⁵ Pool Name BASIN MANCOS		⁶ Pool Code 97232
⁷ Property Code 319957	⁸ Property Name RINCON UNIT		⁹ Well Number 615H

II. ¹⁰ Surface Location

UL or lot no. A	Section 21	Township 27N	Range 6W	Lot Idn	Feet from the 1141'	North/South Line North	Feet from the 1257'	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location

UL or lot no. A	Section 19	Township 27N	Range 6W	Lot Idn	Feet from the 392'	North/South line North	Feet from the 849'	East/West line East	County Rio Arriba
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 12/10/2022		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 11/12/2018	²² Ready Date 12/10/2022	²³ TD 16,695' MD 6,744' TVD	²⁴ PBDT 16,611' MD 6,744' TVD	²⁵ Perforations ~ 7,043' -15,905' MD ~ 6,782' -6,746' 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		331' MD		410 sx - surface
12-1/4"		9-5/8",36#, J-55		5,935' MD		1440 313 sx- surface
8-1/2"		5-1/2",20#, P-110		16,695' MD		2,381 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				
Printed name: Kayla White	Approved by: PATRICIA MARTINEZ				
Title: Environmental Engineer	Title: PETROLEUM SPECIALIST				
E-mail Address: kwhite@cdhconsult.com	Approval Date: 12/8/2022				
Date: 12/5/2022	Phone: 720-768-3575				



ENDURING RESOURCES IV LLC

November 4, 2022

Re: *RINCON UNIT 615H-30-039-31372*

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

Received by OCD: 12/8/2022 10:1

District I
1622 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3461 Fax: (505) 476-3462

District II
811 S. First Street, Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
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☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31372	² Pool Code 97232	³ Pool Name BASIN MANCOS
⁴ Property Code 319957	⁵ Property Name RINCON UNIT	⁶ Well Number 615H
⁷ OGRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6538'

¹⁰ Surface Location

UL or Lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	27N	6W		1141	NORTH	1257	EAST	RIO ARRIBA

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
A	19	27N	6W		392	NORTH	849	EAST	RIO ARRIBA

¹² Dedicated Acres	N/2 - Section 19	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
959.32	N/2 - Section 20			R-12984
	N/2 - Section 21			

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

END-OF-LATERAL
392' FNL 849' FEL
SECTION 19, T27N, R6W
LAT: 36.565466°N
LONG: 107.501611°W
DATUM: NAD1927

LAT: 36.565475 °N
LONG: 107.502215 °W
DATUM: NAD1983

N87°51.3'W 84.0'

LAST TAKE POINT
390' FNL 765' FEL
SECTION 19, T27N, R6W
LAT: 36.565461°N
LONG: 107.501325°W
DATUM: NAD1927

LAT: 36.565470 °N
LONG: 107.501929 °W
DATUM: NAD1983

589°49.2'W 9562.0'

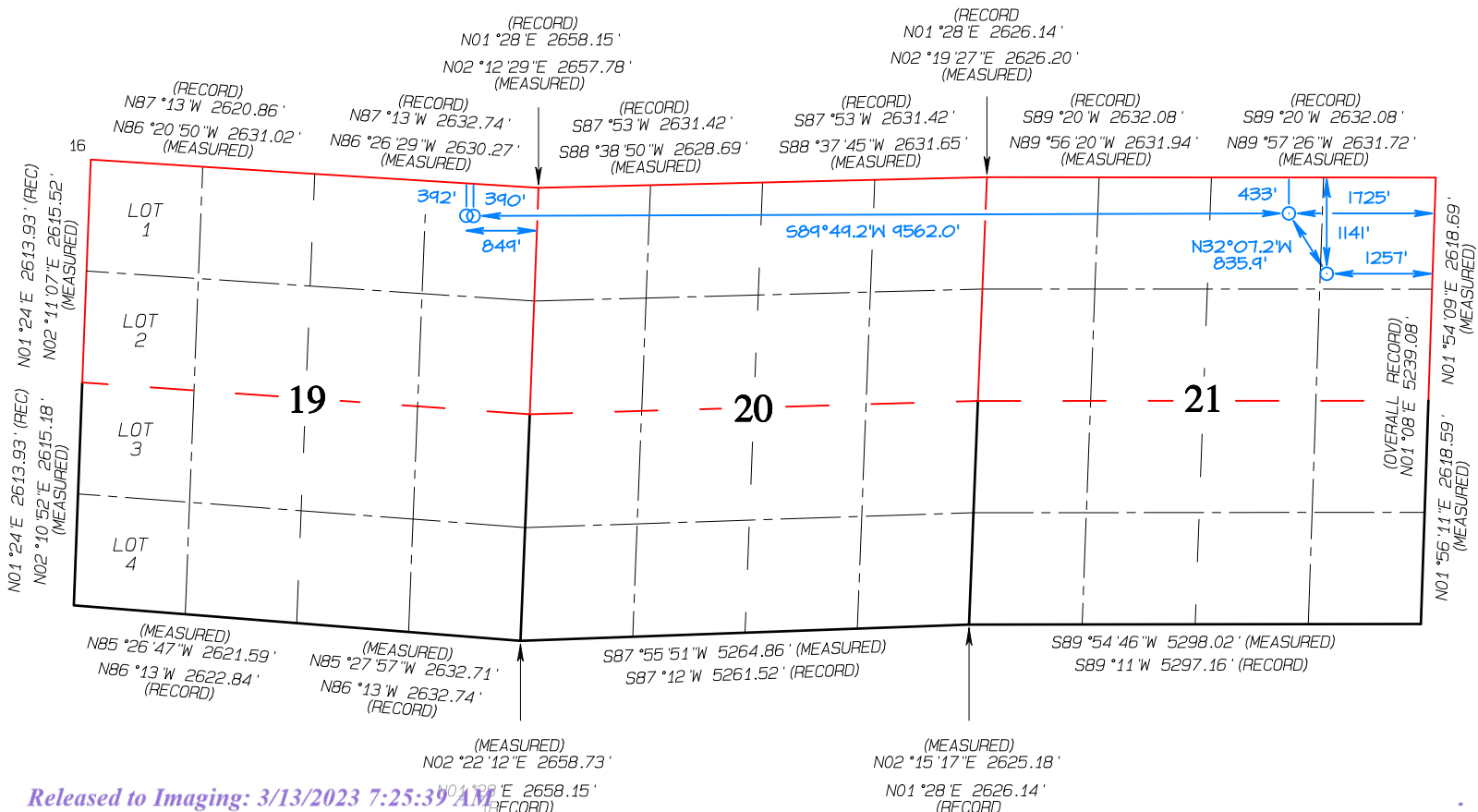
FIRST TAKE POINT
433' FNL 1725' FEL
SECTION 21, T27N, R6W
LAT: 36.565881°N
LONG: 107.468773°W
DATUM: NAD1927

LAT: 36.565890 °N
LONG: 107.469377 °W
DATUM: NAD1983

13707 31W 83501

SURFACE LOCATION
1141' FNL 1257' FEL
SECTION 21, T27N, R6W
LAT: 36.563952°N
LONG: 107.467229°W
DATUM: NAD1927

LAT: 36.563961 °N
LONG: 107.467833 °W
DATUM: NAD1983



District I
1634
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
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State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

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

☐ AMENDED REPORT

17 OPERATOR CER Page 4 of 21

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 11/1/22
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: OCTOBER 31, 2022
Date of Survey: JUNE 17, 2018

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-31372		2 Pool Code 97232	3 Pool Name BASIN MANCOS	
4 Property Code 319957	5 Property Name RINCON UNIT		6 Well Number 615H	
7 OGRID No. 372286	8 Operator Name ENDURING RESOURCES, LLC		9 Elevation 6538'	

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
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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
A	19	27N	6W		392	NORTH	849	EAST	RIO ARriba

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959.32		N/2 - Section 19		R-12984	
		N/2 - Section 20			
		N/2 - Section 21			

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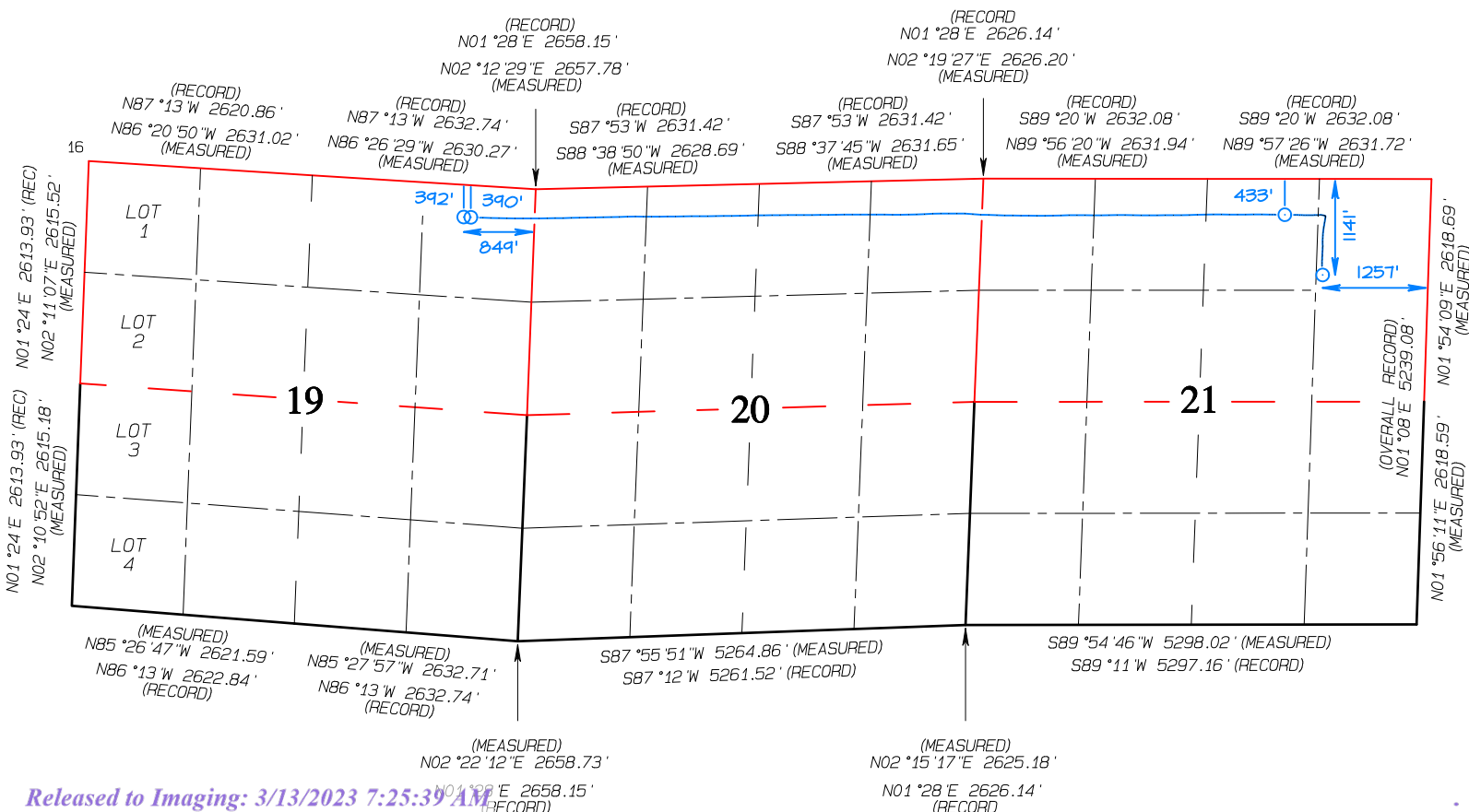
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N32°07.2'W 835.9'

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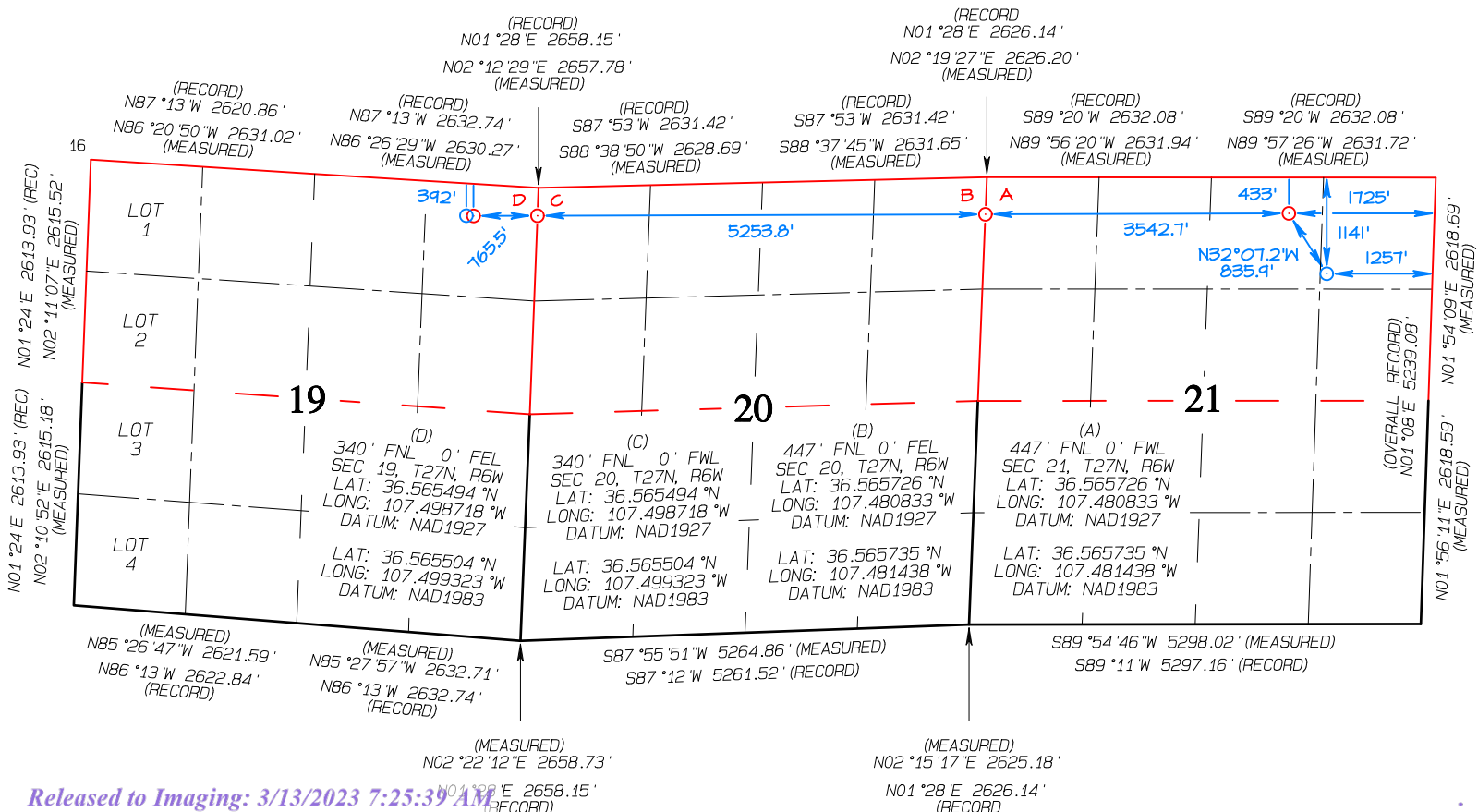
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Well: Rincon Unit 615H
Site: Rincon pad (613, 615, 713 & 715)
Project: Rio Arriba County, New Mexico NAD83 NM W
Design: Surveys Original Hole
Rig: Ensign 145

ANNOTATIONS SURVEYS

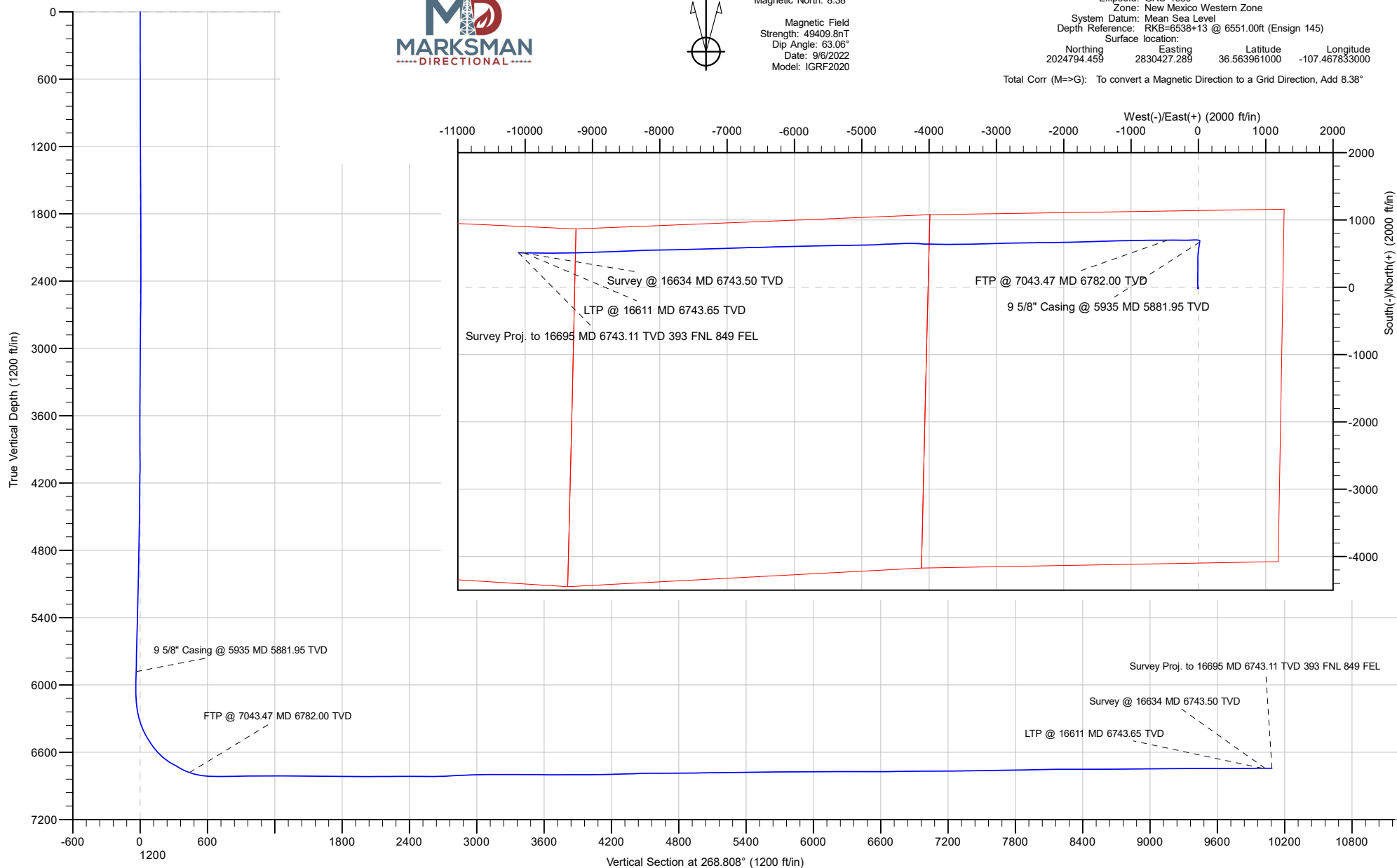
MD	Inc	Azi	TVD	+N/-S	+E/-W	V/Sect	Annotation
385.00	1.04	194.120	384.98	-3.39	-0.85	0.92	MWD surveys
5935.00	5.87	9.136	5881.95	673.22	20.87	-34.88	9 5/8" Casing @ 5935 MD 5881.95 TVD
7043.47	69.98	269.375	6782.00	700.38	-455.94	441.27	FTP @ 7043.47 MD 6782.00 TVD
16611.00	90.39	271.210	6743.65	512.90	-10014.94	10002.10	LTP @ 16611 MD 6743.65 TVD
16634.00	90.37	271.200	6743.50	513.38	-10037.93	10025.08	Survey @ 16634 MD 6743.50 TVD
16695.00	90.37	271.200	6743.11	514.66	-10098.92	10086.02	Survey Proj. to 16695 MD 6743.11 TVD 393 FNL 849 FEL



Azimuths to Grid North
 True North: -0.22°
 Magnetic North: 8.38°
 Magnetic Field
 Strength: 49409.8nT
 Dip Angle: 63.06°
 Date: 9/6/2022
 Model: IGRF2020

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone
 System Datum: Mean Sea Level
 Depth Reference: RKB=6538+13 @ 6551.00ft (Ensign 145)
 Surface location:
 Northing 2024794.459 Easting 2830427.289 Latitude 36.563961000 Longitude -107.467633000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.38°





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Project	Rio Arriba 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	Rincon pad (613, 615, 713 & 715)		
Site Position:		Northing:	2,024,818.244 usft
From:	Lat/Long	Easting:	2,830,459.503 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.564026000
		Longitude:	-107.467723000

Well	Rincon Unit 615H, Surf loc: 1141 FNL 1257 FEL Section 21-T27N-R06W		
Well Position	+N/-S	0.00 ft	Northing: 2,024,794.459 usft
	+E/-W	0.00 ft	Easting: 2,830,427.289 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
Grid Convergence:	0.22 °	Ground Level:	6,538.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	9/6/2022	8.60	63.06	49,409.83953730

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	268.808	

Survey Program	Date	10/17/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
385.00	4,828.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
4,923.00	16,634.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
16,695.00	16,695.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385.00	1.04	194.120	384.98	-3.39	-0.85	0.92	0.27	0.27	0.00
MWD surveys									
447.00	1.18	186.660	446.97	-4.57	-1.06	1.16	0.32	0.23	-12.03
538.00	1.49	184.690	537.94	-6.68	-1.27	1.41	0.34	0.34	-2.16
629.00	1.32	179.860	628.92	-8.91	-1.36	1.55	0.23	-0.19	-5.31
719.00	1.38	179.430	718.89	-11.03	-1.35	1.58	0.07	0.07	-0.48
809.00	1.22	183.350	808.87	-13.07	-1.40	1.67	0.20	-0.18	4.36



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

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)
901.00	1.47	185.000	900.84	-15.22	-1.56	1.87	0.27	0.27	1.79
961.00	1.40	190.290	960.82	-16.71	-1.75	2.10	0.25	-0.12	8.82
1,056.00	1.51	189.720	1,055.79	-19.08	-2.17	2.57	0.12	0.12	-0.60
1,150.00	1.58	192.430	1,149.76	-21.57	-2.66	3.11	0.11	0.07	2.88
1,244.00	2.16	347.580	1,243.74	-21.10	-3.32	3.76	3.89	0.62	165.05
1,339.00	6.67	355.500	1,338.43	-13.85	-4.14	4.43	4.78	4.75	8.34
1,432.00	9.68	357.770	1,430.48	-0.65	-4.87	4.88	3.25	3.24	2.44
1,527.00	9.86	358.580	1,524.10	15.46	-5.38	5.06	0.24	0.19	0.85
1,621.00	9.76	357.770	1,616.73	31.47	-5.89	5.23	0.18	-0.11	-0.86
1,716.00	9.68	357.710	1,710.36	47.49	-6.52	5.53	0.08	-0.08	-0.06
1,810.00	9.53	357.760	1,803.04	63.17	-7.14	5.82	0.16	-0.16	0.05
1,904.00	9.16	357.350	1,895.80	78.42	-7.79	6.16	0.40	-0.39	-0.44
1,998.00	8.90	356.570	1,988.63	93.15	-8.57	6.63	0.31	-0.28	-0.83
2,092.00	9.46	358.110	2,081.43	108.13	-9.26	7.01	0.65	0.60	1.64
2,186.00	9.31	358.570	2,174.17	123.45	-9.71	7.14	0.18	-0.16	0.49
2,280.00	8.66	358.280	2,267.01	138.12	-10.11	7.23	0.69	-0.69	-0.31
2,374.00	9.51	1.550	2,359.84	152.96	-10.11	6.93	1.06	0.90	3.48
2,468.00	9.39	1.550	2,452.56	168.39	-9.69	6.19	0.13	-0.13	0.00
2,563.00	9.02	1.060	2,546.34	183.58	-9.35	5.52	0.40	-0.39	-0.52
2,657.00	8.59	2.150	2,639.23	197.96	-8.95	4.82	0.49	-0.46	1.16
2,752.00	8.29	0.980	2,733.20	211.90	-8.56	4.15	0.36	-0.32	-1.23
2,846.00	7.67	359.940	2,826.29	224.95	-8.45	3.77	0.68	-0.66	-1.11
2,941.00	8.51	1.940	2,920.34	238.32	-8.22	3.26	0.93	0.88	2.11
3,036.00	7.88	0.470	3,014.37	251.85	-7.93	2.69	0.70	-0.66	-1.55
3,130.00	9.21	3.000	3,107.33	265.81	-7.48	1.95	1.47	1.41	2.69
3,225.00	8.98	3.590	3,201.13	280.80	-6.62	0.78	0.26	-0.24	0.62
3,319.00	8.65	2.920	3,294.02	295.18	-5.80	-0.34	0.37	-0.35	-0.71
3,413.00	7.98	1.340	3,387.03	308.77	-5.29	-1.14	0.75	-0.71	-1.68
3,507.00	7.02	359.820	3,480.23	321.03	-5.16	-1.53	1.04	-1.02	-1.62
3,602.00	8.51	0.500	3,574.35	333.87	-5.11	-1.84	1.57	1.57	0.72
3,696.00	8.16	358.670	3,667.36	347.49	-5.21	-2.03	0.47	-0.37	-1.95
3,790.00	7.88	356.310	3,760.44	360.59	-5.78	-1.73	0.46	-0.30	-2.51
3,884.00	7.26	353.230	3,853.62	372.92	-6.89	-0.87	0.79	-0.66	-3.28
3,979.00	8.92	359.770	3,947.68	386.25	-7.63	-0.41	2.00	1.75	6.88
4,073.00	8.76	359.770	4,040.56	400.69	-7.69	-0.65	0.17	-0.17	0.00
4,167.00	9.79	2.580	4,133.33	415.83	-7.36	-1.30	1.20	1.10	2.99
4,262.00	9.75	1.950	4,226.95	431.94	-6.72	-2.27	0.12	-0.04	-0.66
4,356.00	9.16	2.020	4,319.68	447.37	-6.18	-3.13	0.63	-0.63	0.07
4,450.00	10.24	3.810	4,412.33	463.19	-5.36	-4.28	1.19	1.15	1.90
4,545.00	9.84	3.880	4,505.87	479.71	-4.25	-5.73	0.42	-0.42	0.07
4,639.00	9.31	4.050	4,598.57	495.31	-3.17	-7.13	0.56	-0.56	0.18
4,734.00	8.34	3.350	4,692.44	509.86	-2.23	-8.38	1.03	-1.02	-0.74
4,828.00	8.45	5.390	4,785.43	523.54	-1.18	-9.71	0.34	0.12	2.17



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

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)
4,923.00	8.04	7.400	4,879.45	537.08	0.33	-11.51	0.53	-0.43	2.12
5,017.00	7.75	7.520	4,972.56	549.88	2.01	-13.45	0.31	-0.31	0.13
5,111.00	7.90	9.150	5,065.68	562.54	3.86	-15.57	0.28	0.16	1.73
5,206.00	7.69	9.540	5,159.81	575.25	5.95	-17.92	0.23	-0.22	0.41
5,300.00	8.47	8.480	5,252.87	588.30	8.02	-20.26	0.84	0.83	-1.13
5,394.00	8.25	7.500	5,345.87	601.84	9.92	-22.44	0.28	-0.23	-1.04
5,489.00	8.94	9.070	5,439.81	615.88	11.97	-24.79	0.77	0.73	1.65
5,584.00	8.69	9.090	5,533.68	630.26	14.27	-27.38	0.26	-0.26	0.02
5,678.00	7.53	8.460	5,626.74	643.36	16.30	-29.68	1.24	-1.23	-0.67
5,772.00	6.99	8.480	5,719.99	655.11	18.05	-31.68	0.57	-0.57	0.02
5,867.00	6.39	9.020	5,814.34	666.05	19.73	-33.58	0.64	-0.63	0.57
5,935.00	5.87	9.136	5,881.95	673.22	20.87	-34.88	0.77	-0.77	0.17
9 5/8" Casing @ 5935 MD 5881.95 TVD									
5,953.00	5.73	9.170	5,899.86	675.02	21.16	-35.21	0.77	-0.77	0.19
5,999.00	5.49	11.930	5,945.64	679.44	21.98	-36.12	0.78	-0.52	6.00
6,094.00	3.83	7.560	6,040.32	687.03	23.34	-37.63	1.79	-1.75	-4.60
6,157.00	3.65	332.510	6,103.20	690.89	22.69	-37.06	3.58	-0.29	-55.63
6,188.00	4.15	317.560	6,134.13	692.60	21.48	-35.89	3.64	1.61	-48.23
6,219.00	5.22	307.030	6,165.02	694.27	19.60	-34.04	4.41	3.45	-33.97
6,251.00	7.77	293.780	6,196.82	696.02	16.45	-30.93	9.19	7.97	-41.41
6,282.00	10.45	285.580	6,227.42	697.62	11.83	-26.34	9.59	8.65	-26.45
6,314.00	13.40	283.640	6,258.73	699.28	5.43	-19.98	9.30	9.22	-6.06
6,345.00	15.77	283.120	6,288.73	701.08	-2.17	-12.42	7.66	7.65	-1.68
6,376.00	17.44	280.170	6,318.44	702.86	-10.84	-3.79	6.03	5.39	-9.52
6,408.00	19.57	275.720	6,348.78	704.24	-20.90	6.24	7.98	6.66	-13.91
6,439.00	22.32	270.910	6,377.73	704.85	-31.95	17.28	10.46	8.87	-15.52
6,470.00	24.86	268.520	6,406.14	704.77	-44.35	29.68	8.75	8.19	-7.71
6,502.00	27.19	267.530	6,434.89	704.29	-58.38	43.72	7.41	7.28	-3.09
6,534.00	29.64	267.390	6,463.04	703.61	-73.60	58.94	7.66	7.66	-0.44
6,565.00	31.54	267.720	6,489.72	702.94	-89.36	74.71	6.15	6.13	1.06
6,597.00	32.99	267.500	6,516.78	702.23	-106.42	91.79	4.55	4.53	-0.69
6,628.00	36.00	267.200	6,542.32	701.41	-123.96	109.34	9.73	9.71	-0.97
6,660.00	38.20	267.110	6,567.85	700.45	-143.24	128.63	6.88	6.88	-0.28
6,691.00	41.40	268.410	6,591.66	699.69	-163.06	148.47	10.67	10.32	4.19
6,723.00	44.64	269.480	6,615.05	699.29	-184.89	170.29	10.38	10.13	3.34
6,754.00	47.83	270.640	6,636.49	699.32	-207.27	192.67	10.64	10.29	3.74
6,786.00	51.49	271.050	6,657.20	699.68	-231.65	217.04	11.48	11.44	1.28
6,817.00	55.04	270.980	6,675.74	700.12	-256.49	241.87	11.45	11.45	-0.23
6,849.00	58.90	270.880	6,693.18	700.56	-283.31	268.67	12.07	12.06	-0.31
6,880.00	60.80	270.470	6,708.75	700.87	-310.11	295.46	6.23	6.13	-1.32
6,912.00	59.87	270.160	6,724.59	701.02	-337.92	323.26	3.03	-2.91	-0.97
6,944.00	60.44	269.930	6,740.51	701.05	-365.67	351.01	1.89	1.78	-0.72
6,975.00	63.27	269.810	6,755.13	700.98	-393.01	378.33	9.14	9.13	-0.39
7,006.00	66.95	269.350	6,768.18	700.78	-421.12	406.45	11.95	11.87	-1.48



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,038.00	69.31	269.350	6,780.10	700.44	-450.81	436.14	7.38	7.38	0.00
7,043.47	69.98	269.375	6,782.00	700.38	-455.94	441.27	12.27	12.26	0.46
FTP @ 7043.47 MD 6782.00 TVD									
7,069.00	73.11	269.490	6,790.08	700.14	-480.15	465.48	12.27	12.26	0.45
7,101.00	76.60	269.360	6,798.44	699.83	-511.04	496.36	10.91	10.91	-0.41
7,132.00	79.12	269.590	6,804.96	699.55	-541.34	526.67	8.16	8.13	0.74
7,163.00	82.20	269.970	6,809.99	699.44	-571.92	557.25	10.01	9.94	1.23
7,194.00	85.55	270.060	6,813.30	699.45	-602.74	588.06	10.81	10.81	0.29
7,226.00	88.19	270.400	6,815.05	699.57	-634.69	620.00	8.32	8.25	1.06
7,320.00	90.33	269.490	6,816.26	699.48	-728.68	713.96	2.47	2.28	-0.97
7,414.00	90.52	268.530	6,815.56	697.86	-822.66	807.96	1.04	0.20	-1.02
7,509.00	90.80	267.720	6,814.47	694.75	-917.60	902.95	0.90	0.29	-0.85
7,604.00	90.10	269.640	6,813.72	692.56	-1,012.57	997.94	2.15	-0.74	2.02
7,698.00	90.77	269.520	6,813.01	691.87	-1,106.56	1,091.93	0.72	0.71	-0.13
7,793.00	91.13	269.390	6,811.43	690.97	-1,201.55	1,186.91	0.40	0.38	-0.14
7,886.00	89.72	268.700	6,810.74	689.42	-1,294.53	1,279.90	1.69	-1.52	-0.74
7,981.00	89.41	268.130	6,811.46	686.79	-1,389.49	1,374.90	0.68	-0.33	-0.60
8,075.00	89.19	267.290	6,812.61	683.04	-1,483.40	1,468.87	0.92	-0.23	-0.89
8,169.00	88.91	266.670	6,814.17	678.09	-1,577.26	1,562.81	0.72	-0.30	-0.66
8,264.00	89.90	269.580	6,815.16	674.98	-1,672.19	1,657.79	3.24	1.04	3.06
8,358.00	89.63	268.950	6,815.54	673.77	-1,766.18	1,751.78	0.73	-0.29	-0.67
8,453.00	89.35	268.350	6,816.39	671.53	-1,861.15	1,846.78	0.70	-0.29	-0.63
8,547.00	89.00	267.710	6,817.74	668.30	-1,955.09	1,940.76	0.78	-0.37	-0.68
8,641.00	90.75	270.020	6,817.95	666.44	-2,049.06	2,034.75	3.08	1.86	2.46
8,736.00	90.56	269.680	6,816.86	666.19	-2,144.05	2,129.73	0.41	-0.20	-0.36
8,829.00	90.43	269.930	6,816.06	665.88	-2,237.05	2,222.71	0.30	-0.14	0.27
8,924.00	90.09	269.320	6,815.63	665.25	-2,332.04	2,317.70	0.74	-0.36	-0.64
9,018.00	89.85	268.850	6,815.68	663.75	-2,426.03	2,411.70	0.56	-0.26	-0.50
9,112.00	89.71	268.350	6,816.04	661.46	-2,520.00	2,505.69	0.55	-0.15	-0.53
9,206.00	89.48	267.680	6,816.70	658.20	-2,613.94	2,599.68	0.75	-0.24	-0.71
9,299.00	92.83	270.490	6,814.83	656.72	-2,706.89	2,692.64	4.70	3.60	3.02
9,394.00	93.19	269.820	6,809.84	656.97	-2,801.76	2,787.48	0.80	0.38	-0.71
9,489.00	91.99	268.560	6,805.55	655.63	-2,896.65	2,882.38	1.83	-1.26	-1.33
9,583.00	92.12	267.810	6,802.17	652.65	-2,990.54	2,976.31	0.81	0.14	-0.80
9,677.00	90.52	267.800	6,800.01	649.06	-3,084.44	3,070.27	1.70	-1.70	-0.01
9,771.00	90.45	267.130	6,799.21	644.90	-3,178.35	3,164.24	0.72	-0.07	-0.71
9,866.00	90.00	269.240	6,798.84	641.89	-3,273.29	3,259.23	2.27	-0.47	2.22
9,960.00	89.35	269.030	6,799.37	640.47	-3,367.28	3,353.22	0.73	-0.69	-0.22
10,055.00	90.03	269.950	6,799.89	639.63	-3,462.27	3,448.21	1.20	0.72	0.97
10,149.00	89.60	269.690	6,800.19	639.33	-3,556.27	3,542.20	0.53	-0.46	-0.28
10,243.00	88.37	269.150	6,801.86	638.38	-3,650.25	3,636.18	1.43	-1.31	-0.57
10,337.00	90.66	270.810	6,802.65	638.35	-3,744.24	3,730.14	3.01	2.44	1.77
10,431.00	90.65	271.070	6,801.58	639.89	-3,838.22	3,824.07	0.28	-0.01	0.28



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

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)	
10,526.00	90.32	270.950	6,800.77	641.56	-3,933.20	3,919.00	0.37	-0.35	-0.13	
10,620.00	89.85	269.790	6,800.63	642.17	-4,027.20	4,012.96	1.33	-0.50	-1.23	
10,714.00	91.05	276.020	6,799.89	646.93	-4,121.03	4,106.67	6.75	1.28	6.63	
10,808.00	91.77	269.730	6,797.58	651.64	-4,214.83	4,200.36	6.73	0.77	-6.69	
10,902.00	91.62	268.990	6,794.80	650.59	-4,308.78	4,294.31	0.80	-0.16	-0.79	
10,997.00	91.69	269.030	6,792.06	648.95	-4,403.73	4,389.27	0.08	0.07	0.04	
11,091.00	91.39	269.130	6,789.53	647.44	-4,497.68	4,483.24	0.34	-0.32	0.11	
11,186.00	90.62	266.640	6,787.86	643.94	-4,592.60	4,578.20	2.74	-0.81	-2.62	
11,281.00	90.15	266.350	6,787.22	638.13	-4,687.42	4,673.12	0.58	-0.49	-0.31	
11,375.00	89.72	266.620	6,787.33	632.37	-4,781.24	4,767.04	0.54	-0.46	0.29	
11,469.00	91.01	268.830	6,786.73	628.64	-4,875.15	4,861.02	2.72	1.37	2.35	
11,563.00	90.78	268.850	6,785.26	626.73	-4,969.12	4,955.01	0.25	-0.24	0.02	
11,658.00	90.81	269.300	6,783.95	625.20	-5,064.10	5,050.00	0.47	0.03	0.47	
11,752.00	90.72	269.960	6,782.69	624.59	-5,158.09	5,143.98	0.71	-0.10	0.70	
11,846.00	90.41	268.580	6,781.76	623.40	-5,252.08	5,237.97	1.50	-0.33	-1.47	
11,941.00	90.38	269.180	6,781.11	621.54	-5,347.06	5,332.96	0.63	-0.03	0.63	
12,035.00	90.11	269.760	6,780.71	620.67	-5,441.05	5,426.96	0.68	-0.29	0.62	
12,130.00	91.51	268.080	6,779.36	618.88	-5,536.02	5,521.94	2.30	1.47	-1.77	
12,224.00	91.29	268.470	6,777.07	616.05	-5,629.95	5,615.91	0.48	-0.23	0.41	
12,319.00	90.76	268.360	6,775.37	613.42	-5,724.90	5,710.89	0.57	-0.56	-0.12	
12,414.00	90.35	268.480	6,774.45	610.80	-5,819.85	5,805.88	0.45	-0.43	0.13	
12,508.00	90.34	268.700	6,773.88	608.49	-5,913.82	5,899.88	0.23	-0.01	0.23	
12,602.00	89.96	268.570	6,773.64	606.25	-6,007.80	5,993.88	0.43	-0.40	-0.14	
12,697.00	89.88	268.840	6,773.77	604.10	-6,102.77	6,088.88	0.30	-0.08	0.28	
12,791.00	89.80	269.770	6,774.03	602.96	-6,196.76	6,182.88	0.99	-0.09	0.99	
12,886.00	90.52	267.830	6,773.76	600.97	-6,291.74	6,277.87	2.18	0.76	-2.04	
12,980.00	90.13	268.270	6,773.23	597.78	-6,385.68	6,371.86	0.63	-0.41	0.47	
13,074.00	89.89	268.620	6,773.22	595.23	-6,479.65	6,465.86	0.45	-0.26	0.37	
13,168.00	89.74	269.030	6,773.52	593.30	-6,573.63	6,559.86	0.46	-0.16	0.44	
13,263.00	90.86	267.340	6,773.02	590.29	-6,668.57	6,654.84	2.13	1.18	-1.78	
13,357.00	90.68	267.900	6,771.76	586.39	-6,762.48	6,748.82	0.63	-0.19	0.60	
13,451.00	90.77	267.900	6,770.57	582.94	-6,856.41	6,842.80	0.10	0.10	0.00	
13,546.00	90.68	268.400	6,769.37	579.88	-6,951.35	6,937.78	0.53	-0.09	0.53	
13,640.00	90.47	268.410	6,768.42	577.26	-7,045.31	7,031.78	0.22	-0.22	0.01	
13,734.00	90.23	268.350	6,767.85	574.60	-7,139.27	7,125.77	0.26	-0.26	-0.06	
13,829.00	89.88	268.740	6,767.76	572.19	-7,234.24	7,220.77	0.55	-0.37	0.41	
13,923.00	89.84	268.910	6,767.99	570.26	-7,328.22	7,314.77	0.19	-0.04	0.18	
14,018.00	91.21	267.890	6,767.12	567.61	-7,423.18	7,409.76	1.80	1.44	-1.07	
14,113.00	91.17	268.350	6,765.14	564.49	-7,518.11	7,504.73	0.49	-0.04	0.48	
14,207.00	91.08	268.400	6,763.30	561.83	-7,612.05	7,598.71	0.11	-0.10	0.05	
14,301.00	91.00	268.860	6,761.59	559.58	-7,706.01	7,692.69	0.50	-0.09	0.49	
14,396.00	91.01	268.830	6,759.93	557.67	-7,800.97	7,787.68	0.03	0.01	-0.03	
14,490.00	91.20	268.980	6,758.11	555.87	-7,894.94	7,881.66	0.26	0.20	0.16	
14,585.00	91.29	269.140	6,756.05	554.31	-7,989.90	7,976.64	0.19	0.09	0.17	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

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)
14,679.00	91.45	269.400	6,753.80	553.12	-8,083.87	8,070.61	0.32	0.17	0.28
14,773.00	90.24	267.290	6,752.42	550.40	-8,177.81	8,164.59	2.59	-1.29	-2.24
14,867.00	89.36	267.460	6,752.74	546.10	-8,271.71	8,258.56	0.95	-0.94	0.18
14,961.00	90.31	267.760	6,753.01	542.18	-8,365.63	8,352.54	1.06	1.01	0.32
15,056.00	90.23	267.740	6,752.57	538.45	-8,460.55	8,447.52	0.09	-0.08	-0.02
15,150.00	89.85	268.470	6,752.50	535.34	-8,554.50	8,541.51	0.88	-0.40	0.78
15,244.00	89.72	269.010	6,752.85	533.27	-8,648.48	8,635.51	0.59	-0.14	0.57
15,338.00	91.00	267.110	6,752.26	530.09	-8,742.42	8,729.49	2.44	1.36	-2.02
15,433.00	90.87	267.350	6,750.71	525.50	-8,837.29	8,824.44	0.29	-0.14	0.25
15,527.00	91.02	267.980	6,749.16	521.67	-8,931.20	8,918.41	0.69	0.16	0.67
15,622.00	91.35	268.610	6,747.20	518.84	-9,026.14	9,013.39	0.75	0.35	0.66
15,716.00	89.99	268.130	6,746.10	516.17	-9,120.09	9,107.38	1.53	-1.45	-0.51
15,810.00	89.89	268.450	6,746.20	513.36	-9,214.05	9,201.37	0.36	-0.11	0.34
15,905.00	89.80	268.740	6,746.45	511.04	-9,309.02	9,296.37	0.32	-0.09	0.31
15,999.00	89.88	268.970	6,746.72	509.16	-9,403.00	9,390.37	0.26	0.09	0.24
16,094.00	89.99	269.530	6,746.82	507.91	-9,497.99	9,485.37	0.60	0.12	0.59
16,188.00	90.13	270.040	6,746.73	507.56	-9,591.99	9,579.35	0.56	0.15	0.54
16,282.00	90.37	270.420	6,746.32	507.94	-9,685.99	9,673.32	0.48	0.26	0.40
16,377.00	90.49	270.720	6,745.60	508.88	-9,780.98	9,768.28	0.34	0.13	0.32
16,470.00	90.52	270.870	6,744.78	510.17	-9,873.97	9,861.22	0.16	0.03	0.16
16,564.00	90.44	271.230	6,744.00	511.90	-9,967.95	9,955.14	0.39	-0.09	0.38
16,611.00	90.39	271.210	6,743.65	512.90	-10,014.94	10,002.10	0.11	-0.10	-0.04
LTP @ 16611 MD 6743.65 TVD									
16,634.00	90.37	271.200	6,743.50	513.38	-10,037.93	10,025.08	0.11	-0.10	-0.04
Survey @ 16634 MD 6743.50 TVD									
16,695.00	90.37	271.200	6,743.11	514.66	-10,098.92	10,086.02	0.00	0.00	0.00
Survey Proj. to 16695 MD 6743.11 TVD 393 FNL 849 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
385.00	384.98	-3.39	-0.85	MWD surveys
5,935.00	5,881.95	673.22	20.87	9 5/8" Casing @ 5935 MD 5881.95 TVD
7,043.47	6,782.00	700.38	-455.94	FTP @ 7043.47 MD 6782.00 TVD
16,611.00	6,743.65	512.90	-10,014.94	LTP @ 16611 MD 6743.65 TVD
16,634.00	6,743.50	513.38	-10,037.93	Survey @ 16634 MD 6743.50 TVD
16,695.00	6,743.11	514.66	-10,098.92	Survey Proj. to 16695 MD 6743.11 TVD 393 FNL 849 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Project	Rio Arriba 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	Rincon pad (613, 615, 713 & 715)		
Site Position:		Northing:	2,024,818.244 usft
From:	Lat/Long	Easting:	2,830,459.503 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.564026000
		Longitude:	-107.467723000
		Grid Convergence:	0.22 °

Well	Rincon Unit 615H, Surf loc: 1141 FNL 1257 FEL Section 21-T27N-R06W		
Well Position	+N/-S	0.00 ft	Northing: 2,024,794.459 usft
	+E/-W	0.00 ft	Easting: 2,830,427.289 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.563961000
		Longitude:	-107.467833000
		Ground Level:	6,538.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	9/6/2022	8.60	63.06	49,409.83953730

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		268.808

Survey Program	Date	10/17/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
385.00	4,828.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
4,923.00	16,634.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
16,695.00	16,695.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	2,024,794.459	2,830,427.289	36.563961000	-107.467833000
385.00	1.04	194.120	384.98	-3.39	-0.85	2,024,791.070	2,830,426.437	36.563951701	-107.467835947
MWD surveys									
447.00	1.18	186.660	446.97	-4.57	-1.06	2,024,789.891	2,830,426.225	36.563948463	-107.467836682
538.00	1.49	184.690	537.94	-6.68	-1.27	2,024,787.781	2,830,426.020	36.563942670	-107.467837408
629.00	1.32	179.860	628.92	-8.91	-1.36	2,024,785.553	2,830,425.926	36.563936552	-107.467837758
719.00	1.38	179.430	718.89	-11.03	-1.35	2,024,783.433	2,830,425.939	36.563930728	-107.467837740
809.00	1.22	183.350	808.87	-13.07	-1.40	2,024,781.393	2,830,425.894	36.563925124	-107.467837920
901.00	1.47	185.000	900.84	-15.22	-1.56	2,024,779.240	2,830,425.734	36.563919211	-107.467838493
961.00	1.40	190.290	960.82	-16.71	-1.75	2,024,777.752	2,830,425.536	36.563915126	-107.467839187



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,056.00	1.51	189.720	1,055.79	-19.08	-2.17	2,024,775.376	2,830,425.117	36.563908605	-107.467840643
1,150.00	1.58	192.430	1,149.76	-21.57	-2.66	2,024,772.890	2,830,424.629	36.563901781	-107.467842337
1,244.00	2.16	347.580	1,243.74	-21.10	-3.32	2,024,773.354	2,830,423.969	36.563903064	-107.467844579
1,339.00	6.67	355.500	1,338.43	-13.85	-4.14	2,024,780.607	2,830,423.150	36.563922994	-107.467847272
1,432.00	9.68	357.770	1,430.48	-0.65	-4.87	2,024,793.807	2,830,422.422	36.563959261	-107.467849580
1,527.00	9.86	358.580	1,524.10	15.46	-5.38	2,024,809.919	2,830,421.910	36.564003525	-107.467851116
1,621.00	9.76	357.770	1,616.73	31.47	-5.89	2,024,825.927	2,830,421.401	36.564047500	-107.467852644
1,716.00	9.68	357.710	1,710.36	47.49	-6.52	2,024,841.953	2,830,420.768	36.564091530	-107.467854590
1,810.00	9.53	357.760	1,803.04	63.17	-7.14	2,024,857.625	2,830,420.148	36.564134586	-107.467856498
1,904.00	9.16	357.350	1,895.80	78.42	-7.79	2,024,872.875	2,830,419.498	36.564176481	-107.467858515
1,998.00	8.90	356.570	1,988.63	93.15	-8.57	2,024,887.607	2,830,418.717	36.564216958	-107.467860983
2,092.00	9.46	358.110	2,081.43	108.13	-9.26	2,024,902.587	2,830,418.027	36.564258111	-107.467863139
2,186.00	9.31	358.570	2,174.17	123.45	-9.71	2,024,917.908	2,830,417.583	36.564300202	-107.467864454
2,280.00	8.66	358.280	2,267.01	138.12	-10.11	2,024,932.583	2,830,417.181	36.564340517	-107.467865634
2,374.00	9.51	1.550	2,359.84	152.96	-10.11	2,024,947.420	2,830,417.178	36.564381271	-107.467865450
2,468.00	9.39	1.550	2,452.56	168.39	-9.69	2,024,962.848	2,830,417.596	36.564423645	-107.467863828
2,563.00	9.02	1.060	2,546.34	183.58	-9.35	2,024,978.040	2,830,417.943	36.564465374	-107.467862449
2,657.00	8.59	2.150	2,639.23	197.96	-8.95	2,024,992.423	2,830,418.343	36.564504877	-107.467860902
2,752.00	8.29	0.980	2,733.20	211.90	-8.56	2,025,006.360	2,830,418.726	36.564543157	-107.467859416
2,846.00	7.67	359.940	2,826.29	224.95	-8.45	2,025,019.409	2,830,418.835	36.564578999	-107.467858875
2,941.00	8.51	1.940	2,920.34	238.32	-8.22	2,025,032.774	2,830,419.067	36.564615709	-107.467857914
3,036.00	7.88	0.470	3,014.37	251.85	-7.93	2,025,046.311	2,830,419.358	36.564652891	-107.467856747
3,130.00	9.21	3.000	3,107.33	265.81	-7.48	2,025,060.267	2,830,419.805	36.564691223	-107.467855046
3,225.00	8.98	3.590	3,201.13	280.80	-6.62	2,025,075.259	2,830,420.667	36.564732394	-107.467851916
3,319.00	8.65	2.920	3,294.02	295.18	-5.80	2,025,089.641	2,830,421.486	36.564771890	-107.467848940
3,413.00	7.98	1.340	3,387.03	308.77	-5.29	2,025,103.223	2,830,421.999	36.564809195	-107.467847018
3,507.00	7.02	359.820	3,480.23	321.03	-5.16	2,025,115.491	2,830,422.133	36.564842891	-107.467846401
3,602.00	8.51	0.500	3,574.35	333.87	-5.11	2,025,128.326	2,830,422.177	36.564878146	-107.467846088
3,696.00	8.16	358.670	3,667.36	347.49	-5.21	2,025,141.950	2,830,422.082	36.564915571	-107.467844623
3,790.00	7.88	356.310	3,760.44	360.59	-5.78	2,025,155.050	2,830,421.513	36.564951560	-107.467848002
3,884.00	7.26	353.230	3,853.62	372.92	-6.89	2,025,167.378	2,830,420.398	36.564985436	-107.467851639
3,979.00	8.92	359.770	3,947.68	386.25	-7.63	2,025,180.705	2,830,419.661	36.565022052	-107.467853977
4,073.00	8.76	359.770	4,040.56	400.69	-7.69	2,025,195.150	2,830,419.603	36.565061732	-107.467853988
4,167.00	9.79	2.580	4,133.33	415.83	-7.36	2,025,210.292	2,830,419.934	36.565103322	-107.467852665
4,262.00	9.75	1.950	4,226.95	431.94	-6.72	2,025,226.400	2,830,420.571	36.565147562	-107.467850286
4,356.00	9.16	2.020	4,319.68	447.37	-6.18	2,025,241.833	2,830,421.106	36.565189947	-107.467848266
4,450.00	10.24	3.810	4,412.33	463.19	-5.36	2,025,257.647	2,830,421.925	36.565233379	-107.467845273
4,545.00	9.84	3.880	4,505.87	479.71	-4.25	2,025,274.172	2,830,423.035	36.565278759	-107.467841278
4,639.00	9.31	4.050	4,598.57	495.31	-3.17	2,025,289.770	2,830,424.116	36.565321594	-107.467837397
4,734.00	8.34	3.350	4,692.44	509.86	-2.23	2,025,304.314	2,830,425.061	36.565361534	-107.467833989
4,828.00	8.45	5.390	4,785.43	523.54	-1.18	2,025,317.995	2,830,426.108	36.565399104	-107.467830247
4,923.00	8.04	7.400	4,879.45	537.08	0.33	2,025,331.533	2,830,427.619	36.565436274	-107.467824925
5,017.00	7.75	7.520	4,972.56	549.88	2.01	2,025,344.335	2,830,429.295	36.565471423	-107.467819052
5,111.00	7.90	9.150	5,065.68	562.54	3.86	2,025,356.996	2,830,431.152	36.565506182	-107.467812565
5,206.00	7.69	9.540	5,159.81	575.25	5.95	2,025,369.710	2,830,433.244	36.565541083	-107.467805278
5,300.00	8.47	8.480	5,252.87	588.30	8.02	2,025,382.759	2,830,435.307	36.565576907	-107.467798084
5,394.00	8.25	7.500	5,345.87	601.84	9.92	2,025,396.293	2,830,437.208	36.565614062	-107.467791435
5,489.00	8.94	9.070	5,439.81	615.88	11.97	2,025,410.340	2,830,439.261	36.565652626	-107.467784261
5,584.00	8.69	9.090	5,533.68	630.26	14.27	2,025,424.716	2,830,441.559	36.565692090	-107.467776252
5,678.00	7.53	8.460	5,626.74	643.36	16.30	2,025,437.820	2,830,443.587	36.565728066	-107.467769176
5,772.00	6.99	8.480	5,719.99	655.11	18.05	2,025,449.569	2,830,445.337	36.565760322	-107.467763066
5,867.00	6.39	9.020	5,814.34	666.05	19.73	2,025,460.508	2,830,447.018	36.565790351	-107.467757200
5,935.00	5.87	9.136	5,881.95	673.22	20.87	2,025,467.677	2,830,448.163	36.565810032	-107.467753207
9 5/8" Casing @ 5935 MD 5881.95 TVD									
5,953.00	5.73	9.170	5,899.86	675.02	21.16	2,025,469.473	2,830,448.452	36.565814961	-107.467752199



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,999.00	5.49	11.930	5,945.64	679.44	21.98	2,025,473.893	2,830,449.273	36.565827094	-107.467749347
6,094.00	3.83	7.560	6,040.32	687.03	23.34	2,025,481.485	2,830,450.630	36.565847934	-107.467744628
6,157.00	3.65	332.510	6,103.20	690.89	22.69	2,025,485.350	2,830,449.981	36.565858558	-107.467746787
6,188.00	4.15	317.560	6,134.13	692.60	21.48	2,025,487.053	2,830,448.769	36.565863249	-107.467750894
6,219.00	5.22	307.030	6,165.02	694.27	19.60	2,025,488.730	2,830,446.886	36.565867876	-107.467757284
6,251.00	7.77	293.780	6,196.82	696.02	16.45	2,025,490.480	2,830,443.744	36.565872714	-107.467767961
6,282.00	10.45	285.580	6,227.42	697.62	11.83	2,025,492.080	2,830,439.117	36.565877158	-107.467783695
6,314.00	13.40	283.640	6,258.73	699.28	5.43	2,025,493.734	2,830,432.717	36.565881769	-107.467805468
6,345.00	15.77	283.120	6,288.73	701.08	-2.17	2,025,495.538	2,830,425.122	36.565886802	-107.467831306
6,376.00	17.44	280.170	6,318.44	702.86	-10.84	2,025,497.315	2,830,416.446	36.565891773	-107.467860826
6,408.00	19.57	275.720	6,348.78	704.24	-20.90	2,025,498.696	2,830,406.392	36.565895672	-107.467895045
6,439.00	22.32	270.910	6,377.73	704.85	-31.95	2,025,499.307	2,830,395.337	36.565897466	-107.467932681
6,470.00	24.86	268.520	6,406.14	704.77	-44.35	2,025,499.232	2,830,382.935	36.565897390	-107.467974915
6,502.00	27.19	267.530	6,434.89	704.29	-58.38	2,025,498.743	2,830,368.905	36.565896193	-107.468022698
6,534.00	29.64	267.390	6,463.04	703.61	-73.60	2,025,498.067	2,830,353.694	36.565894496	-107.468074504
6,565.00	31.54	267.720	6,489.72	702.94	-89.36	2,025,497.396	2,830,337.933	36.565892816	-107.468128181
6,597.00	32.99	267.500	6,516.78	702.23	-106.42	2,025,496.683	2,830,320.866	36.565891035	-107.468186308
6,628.00	36.00	267.200	6,542.32	701.41	-123.96	2,025,495.869	2,830,303.330	36.565888984	-107.468246031
6,660.00	38.20	267.110	6,567.85	700.45	-143.24	2,025,494.911	2,830,284.053	36.565886552	-107.468311688
6,691.00	41.40	268.410	6,591.66	699.69	-163.06	2,025,494.143	2,830,264.228	36.565884649	-107.468379207
6,723.00	44.64	269.480	6,615.05	699.29	-184.89	2,025,493.747	2,830,242.403	36.565883790	-107.468453531
6,754.00	47.83	270.640	6,636.49	699.32	-207.27	2,025,493.777	2,830,220.019	36.565884104	-107.468529753
6,786.00	51.49	271.050	6,657.20	699.68	-231.65	2,025,494.139	2,830,195.635	36.565885353	-107.468612781
6,817.00	55.04	270.980	6,675.74	700.12	-256.49	2,025,494.579	2,830,170.799	36.565886819	-107.468697347
6,849.00	58.90	270.880	6,693.18	700.56	-283.31	2,025,495.013	2,830,143.979	36.565888293	-107.468788669
6,880.00	60.80	270.470	6,708.75	700.87	-310.11	2,025,495.328	2,830,117.177	36.565889437	-107.468879935
6,912.00	59.87	270.160	6,724.59	701.02	-337.92	2,025,495.481	2,830,089.371	36.565890147	-107.468974616
6,944.00	60.44	269.930	6,740.51	701.05	-365.67	2,025,495.503	2,830,061.616	36.565890495	-107.469069130
6,975.00	63.27	269.810	6,755.13	700.98	-393.01	2,025,495.441	2,830,034.284	36.565890608	-107.469162202
7,006.00	66.95	269.350	6,768.18	700.78	-421.12	2,025,495.233	2,830,006.169	36.565890330	-107.469257942
7,038.00	69.31	269.350	6,780.10	700.44	-450.81	2,025,494.896	2,829,976.476	36.565889713	-107.469359058
7,043.47	69.98	269.375	6,782.00	700.38	-455.94	2,025,494.839	2,829,971.348	36.565889610	-107.469376521
FTP @ 7043.47 MD 6782.00 TVD									
7,069.00	73.11	269.490	6,790.08	700.14	-480.15	2,025,494.599	2,829,947.135	36.565889203	-107.469458974
7,101.00	76.60	269.360	6,798.44	699.83	-511.04	2,025,494.289	2,829,916.253	36.565888672	-107.469564139
7,132.00	79.12	269.590	6,804.96	699.55	-541.34	2,025,494.012	2,829,885.950	36.565888225	-107.469667331
7,163.00	82.20	269.970	6,809.99	699.44	-571.92	2,025,493.895	2,829,855.365	36.565888221	-107.469771482
7,194.00	85.55	270.060	6,813.30	699.45	-602.74	2,025,493.903	2,829,824.547	36.565888564	-107.469876426
7,226.00	88.19	270.400	6,815.05	699.57	-634.69	2,025,494.031	2,829,792.598	36.565889248	-107.469985218
7,320.00	90.33	269.490	6,816.26	699.48	-728.68	2,025,493.941	2,829,698.612	36.565889974	-107.470305262
7,414.00	90.52	268.530	6,815.56	697.86	-822.66	2,025,492.317	2,829,604.630	36.565886487	-107.470625314
7,509.00	90.80	267.720	6,814.47	694.75	-917.60	2,025,489.209	2,829,509.688	36.565878933	-107.470948652
7,604.00	90.10	269.640	6,813.72	692.56	-1,012.57	2,025,487.021	2,829,414.722	36.565873905	-107.471272064
7,698.00	90.77	269.520	6,813.01	691.87	-1,106.56	2,025,486.332	2,829,320.728	36.565872984	-107.471592143
7,793.00	91.13	269.390	6,811.43	690.97	-1,201.55	2,025,485.428	2,829,225.745	36.565871483	-107.471915592
7,886.00	89.72	268.700	6,810.74	689.42	-1,294.53	2,025,483.878	2,829,132.764	36.565868185	-107.472232235
7,981.00	89.41	268.130	6,811.46	686.79	-1,389.49	2,025,481.251	2,829,037.804	36.565861946	-107.472555630
8,075.00	89.19	267.290	6,812.61	683.04	-1,483.40	2,025,477.495	2,828,943.887	36.565852597	-107.472875487
8,169.00	88.91	266.670	6,814.17	678.09	-1,577.26	2,025,472.543	2,828,850.031	36.565839961	-107.473195151
8,264.00	89.90	269.580	6,815.16	674.98	-1,672.19	2,025,469.436	2,828,755.099	36.565832401	-107.473518457
8,358.00	89.63	268.950	6,815.54	673.77	-1,766.18	2,025,468.230	2,828,661.108	36.565830055	-107.473838533
8,453.00	89.35	268.350	6,816.39	671.53	-1,861.15	2,025,465.992	2,828,566.139	36.565824882	-107.474161953
8,547.00	89.00	267.710	6,817.74	668.30	-1,955.09	2,025,462.761	2,828,472.205	36.565816970	-107.474481861
8,641.00	90.75	270.020	6,817.95	666.44	-2,049.06	2,025,460.899	2,828,378.234	36.565812819	-107.474801878
8,736.00	90.56	269.680	6,816.86	666.19	-2,144.05	2,025,460.651	2,828,283.241	36.565813108	-107.475125355



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,829.00	90.43	269.930	6,816.06	665.88	-2,237.05	2,025,460.334	2,828,190.245	36.565813189	-107.475442031
8,924.00	90.09	269.320	6,815.63	665.25	-2,332.04	2,025,459.712	2,828,095.249	36.565812452	-107.475765522
9,018.00	89.85	268.850	6,815.68	663.75	-2,426.03	2,025,458.211	2,828,001.261	36.565809288	-107.476085591
9,112.00	89.71	268.350	6,816.04	661.46	-2,520.00	2,025,455.915	2,827,907.291	36.565803938	-107.476405612
9,206.00	89.48	267.680	6,816.70	658.20	-2,613.94	2,025,452.659	2,827,813.350	36.565795952	-107.476725542
9,299.00	92.83	270.490	6,814.83	656.72	-2,706.89	2,025,451.173	2,827,720.404	36.565792817	-107.477042065
9,394.00	93.19	269.820	6,809.84	656.97	-2,801.76	2,025,451.430	2,827,625.536	36.565794487	-107.477365108
9,489.00	91.99	268.560	6,805.55	655.63	-2,896.65	2,025,450.088	2,827,530.646	36.565791765	-107.477688246
9,583.00	92.12	267.810	6,802.17	652.65	-2,990.54	2,025,447.112	2,827,436.755	36.565784546	-107.478008006
9,677.00	90.52	267.800	6,800.01	649.06	-3,084.44	2,025,443.513	2,827,342.852	36.565775612	-107.478327812
9,771.00	90.45	267.130	6,799.21	644.90	-3,178.35	2,025,439.356	2,827,248.948	36.565765143	-107.478647629
9,866.00	90.00	269.240	6,798.84	641.89	-3,273.29	2,025,436.347	2,827,154.002	36.565757840	-107.478970979
9,960.00	89.35	269.030	6,799.37	640.47	-3,367.28	2,025,434.928	2,827,060.015	36.565754893	-107.479291044
10,055.00	90.03	269.950	6,799.89	639.63	-3,462.27	2,025,434.083	2,826,965.022	36.565753531	-107.479614528
10,149.00	89.60	269.690	6,800.19	639.33	-3,556.27	2,025,433.787	2,826,871.024	36.565753669	-107.479934619
10,243.00	88.37	269.150	6,801.86	638.38	-3,650.25	2,025,432.836	2,826,777.046	36.565752004	-107.480254648
10,337.00	90.66	270.810	6,802.65	638.35	-3,744.24	2,025,432.803	2,826,683.059	36.565752862	-107.480574695
10,431.00	90.65	271.070	6,801.58	639.89	-3,838.22	2,025,434.345	2,826,589.078	36.565758044	-107.480894703
10,526.00	90.32	270.950	6,800.77	641.56	-3,933.20	2,025,436.020	2,826,494.096	36.565763599	-107.481218116
10,620.00	89.85	269.790	6,800.63	642.17	-4,027.20	2,025,436.627	2,826,400.100	36.565766212	-107.481538186
10,714.00	91.05	276.020	6,799.89	646.93	-4,121.03	2,025,441.388	2,826,306.272	36.565780232	-107.481857633
10,808.00	91.77	269.730	6,797.58	651.64	-4,214.83	2,025,446.100	2,826,212.467	36.565794115	-107.482177003
10,902.00	91.62	268.990	6,794.80	650.59	-4,308.78	2,025,445.050	2,826,118.515	36.565792174	-107.482496945
10,997.00	91.69	269.030	6,792.06	648.95	-4,403.73	2,025,443.409	2,826,023.569	36.565788619	-107.482820279
11,091.00	91.39	269.130	6,789.53	647.44	-4,497.68	2,025,441.901	2,825,929.615	36.565785414	-107.483140232
11,186.00	90.62	266.640	6,787.86	643.94	-4,592.60	2,025,438.395	2,825,834.703	36.565776734	-107.483463474
11,281.00	90.15	266.350	6,787.22	638.13	-4,687.42	2,025,432.587	2,825,739.883	36.565761728	-107.483786428
11,375.00	89.72	266.620	6,787.33	632.37	-4,781.24	2,025,426.824	2,825,646.061	36.565746834	-107.484105988
11,469.00	91.01	268.830	6,786.73	628.64	-4,875.15	2,025,423.093	2,825,552.145	36.565737521	-107.484425839
11,563.00	90.78	268.850	6,785.26	626.73	-4,969.12	2,025,421.190	2,825,458.176	36.565733231	-107.484745849
11,658.00	90.81	269.300	6,783.95	625.20	-5,064.10	2,025,419.657	2,825,363.198	36.565729964	-107.485069290
11,752.00	90.72	269.960	6,782.69	624.59	-5,158.09	2,025,419.050	2,825,269.209	36.565729231	-107.485389352
11,846.00	90.41	268.580	6,781.76	623.40	-5,252.08	2,025,417.852	2,825,175.224	36.565726875	-107.485709408
11,941.00	90.38	269.180	6,781.11	621.54	-5,347.06	2,025,415.996	2,825,080.245	36.565722717	-107.486032856
12,035.00	90.11	269.760	6,780.71	620.67	-5,441.05	2,025,415.126	2,824,986.250	36.565721260	-107.486352940
12,130.00	91.51	268.080	6,779.36	618.88	-5,536.02	2,025,413.336	2,824,891.282	36.565717284	-107.486676349
12,224.00	91.29	268.470	6,777.07	616.05	-5,629.95	2,025,410.507	2,824,797.354	36.565710443	-107.486996233
12,319.00	90.76	268.360	6,775.37	613.42	-5,724.90	2,025,407.880	2,824,702.406	36.565704165	-107.487319585
12,414.00	90.35	268.480	6,774.45	610.80	-5,819.85	2,025,405.261	2,824,607.447	36.565697909	-107.487642974
12,508.00	90.34	268.700	6,773.88	608.49	-5,913.82	2,025,402.948	2,824,513.477	36.565692482	-107.487962991
12,602.00	89.96	268.570	6,773.64	606.25	-6,007.80	2,025,400.709	2,824,419.504	36.565687258	-107.488283017
12,697.00	89.88	268.840	6,773.77	604.10	-6,102.77	2,025,398.562	2,824,324.529	36.565682296	-107.488606456
12,791.00	89.80	269.770	6,774.03	602.96	-6,196.76	2,025,397.421	2,824,230.538	36.565680089	-107.488926532
12,886.00	90.52	267.830	6,773.76	600.97	-6,291.74	2,025,395.432	2,824,135.564	36.565675558	-107.489249963
12,980.00	90.13	268.270	6,773.23	597.78	-6,385.68	2,025,392.234	2,824,041.621	36.565667695	-107.489569901
13,074.00	89.89	268.620	6,773.22	595.23	-6,479.65	2,025,389.683	2,823,947.656	36.565661611	-107.489889905
13,168.00	89.74	269.030	6,773.52	593.30	-6,573.63	2,025,387.755	2,823,853.676	36.565657237	-107.490209949
13,263.00	90.86	267.340	6,773.02	590.29	-6,668.57	2,025,384.747	2,823,758.730	36.565649903	-107.490533298
13,357.00	90.68	267.900	6,771.76	586.39	-6,762.48	2,025,380.843	2,823,664.821	36.565640101	-107.490853130
13,451.00	90.77	267.900	6,770.57	582.94	-6,856.41	2,025,377.399	2,823,570.891	36.565631558	-107.491173022
13,546.00	90.68	268.400	6,769.37	579.88	-6,951.35	2,025,374.333	2,823,475.949	36.565624062	-107.491496360
13,640.00	90.47	268.410	6,768.42	577.26	-7,045.31	2,025,371.716	2,823,381.991	36.565617792	-107.491816342
13,734.00	90.23	268.350	6,767.85	574.60	-7,139.27	2,025,369.059	2,823,288.030	36.565611409	-107.492136331
13,829.00	89.88	268.740	6,767.76	572.19	-7,234.24	2,025,366.647	2,823,193.061	36.565605708	-107.492459751
13,923.00	89.84	268.910	6,767.99	570.26	-7,328.22	2,025,364.719	2,823,099.082	36.565601327	-107.492779797



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 615H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Site:	Rincon pad (613, 615, 713 & 715)	MD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
Well:	Rincon Unit 615H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,018.00	91.21	267.890	6,767.12	567.61	-7,423.18	2,025,362.067	2,823,004.126	36.565594965	-107.493103173
14,113.00	91.17	268.350	6,765.14	564.49	-7,518.11	2,025,358.951	2,822,909.198	36.565587328	-107.493426462
14,207.00	91.08	268.400	6,763.30	561.83	-7,612.05	2,025,356.286	2,822,815.255	36.565580919	-107.493746394
14,301.00	91.00	268.860	6,761.59	559.58	-7,706.01	2,025,354.039	2,822,721.297	36.565575657	-107.494066367
14,396.00	91.01	268.830	6,759.93	557.67	-7,800.97	2,025,352.124	2,822,626.331	36.565571318	-107.494389770
14,490.00	91.20	268.980	6,758.11	555.87	-7,894.94	2,025,350.328	2,822,532.366	36.565567294	-107.494709764
14,585.00	91.29	269.140	6,756.05	554.31	-7,989.90	2,025,348.770	2,822,437.402	36.565563932	-107.495033159
14,679.00	91.45	269.400	6,753.80	553.12	-8,083.87	2,025,347.573	2,822,343.437	36.565561550	-107.495353146
14,773.00	90.24	267.290	6,752.42	550.40	-8,177.81	2,025,344.858	2,822,249.493	36.565555000	-107.495673077
14,867.00	89.36	267.460	6,752.74	546.10	-8,271.71	2,025,340.553	2,822,155.594	36.565544080	-107.495992878
14,961.00	90.31	267.760	6,753.01	542.18	-8,365.63	2,025,336.633	2,822,061.677	36.565534217	-107.496312732
15,056.00	90.23	267.740	6,752.57	538.45	-8,460.55	2,025,332.904	2,821,966.752	36.565524885	-107.496636019
15,150.00	89.85	268.470	6,752.50	535.34	-8,554.50	2,025,329.795	2,821,872.804	36.565517250	-107.496955969
15,244.00	89.72	269.010	6,752.85	533.27	-8,648.48	2,025,327.728	2,821,778.828	36.565512475	-107.497276003
15,338.00	91.00	267.110	6,752.26	530.09	-8,742.42	2,025,324.547	2,821,684.890	36.565504636	-107.497595921
15,433.00	90.87	267.350	6,750.71	525.50	-8,837.29	2,025,319.956	2,821,590.014	36.565492936	-107.497919050
15,527.00	91.02	267.980	6,749.16	521.67	-8,931.20	2,025,316.127	2,821,496.106	36.565483317	-107.498238875
15,622.00	91.35	268.610	6,747.20	518.84	-9,026.14	2,025,313.301	2,821,401.169	36.565476462	-107.498562190
15,716.00	89.99	268.130	6,746.10	516.17	-9,120.09	2,025,310.627	2,821,307.216	36.565470016	-107.498882152
15,810.00	89.89	268.450	6,746.20	513.36	-9,214.05	2,025,307.822	2,821,213.258	36.565463208	-107.499202132
15,905.00	89.80	268.740	6,746.45	511.04	-9,309.02	2,025,305.493	2,821,118.287	36.565457716	-107.499525557
15,999.00	89.88	268.970	6,746.72	509.16	-9,403.00	2,025,303.615	2,821,024.307	36.565453452	-107.499845604
16,094.00	89.99	269.530	6,746.82	507.91	-9,497.99	2,025,302.371	2,820,929.316	36.565450940	-107.500169085
16,188.00	90.13	270.040	6,746.73	507.56	-9,591.99	2,025,302.018	2,820,835.317	36.565450865	-107.500489176
16,282.00	90.37	270.420	6,746.32	507.94	-9,685.99	2,025,302.396	2,820,741.319	36.565452795	-107.500809256
16,377.00	90.49	270.720	6,745.60	508.88	-9,780.98	2,025,303.341	2,820,646.327	36.565456293	-107.501132715
16,470.00	90.52	270.870	6,744.78	510.17	-9,873.97	2,025,304.631	2,820,553.339	36.565460719	-107.501449342
16,564.00	90.44	271.230	6,744.00	511.90	-9,967.95	2,025,306.354	2,820,459.359	36.565466341	-107.501769347
16,611.00	90.39	271.210	6,743.65	512.90	-10,014.94	2,025,307.354	2,820,412.371	36.565469534	-107.501929340
LTP @ 16611 MD 6743.65 TVD									
16,634.00	90.37	271.200	6,743.50	513.38	-10,037.93	2,025,307.838	2,820,389.376	36.565471080	-107.502007635
Survey @ 16634 MD 6743.50 TVD									
16,695.00	90.37	271.200	6,743.11	514.66	-10,098.92	2,025,309.115	2,820,328.391	36.565475166	-107.502215289
Survey Proj. to 16695 MD 6743.11 TVD 393 FNL 849 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
385.00	384.98	-3.39	-0.85	MWD surveys
5,935.00	5,881.95	673.22	20.87	9 5/8" Casing @ 5935 MD 5881.95 TVD
7,043.47	6,782.00	700.38	-455.94	FTP @ 7043.47 MD 6782.00 TVD
16,611.00	6,743.65	512.90	-10,014.94	LTP @ 16611 MD 6743.65 TVD
16,634.00	6,743.50	513.38	-10,037.93	Survey @ 16634 MD 6743.50 TVD
16,695.00	6,743.11	514.66	-10,098.92	Survey Proj. to 16695 MD 6743.11 TVD 393 FNL 849 FEL

Checked By: _____	Approved By: _____	Date: _____
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WELL NAME: RINCON UNIT 615H**OBJECTIVE:** Drill, complete, and equip single lateral in the Mancos-G formation.**API Number:** 30-039-31372**State:** New Mexico**County:** Rio Arriba**Surface Elev.:** 6,538 ft ASL (GL) 6,551 ft ASL (KB)**Surface Location:** 21-27N-06W Sec-Twn- Rng 1,141 ft FNL 1,257 ft FEL**BH Location:** 19-27N-06W Sec-Twn- Rng 1024 ft FNL 763 ft FWL

Driving Directions: From intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM: east on Hwy 64 for 36.8 miles to General American Road (GAR) just past MM 101, right (S) on GAR for 1.2 miles to fork, continue right (SW) on GAR for 3.4 miles to 4-way intersection, straight (S) on GAR for 1.1 miles to fork, right (SW) along Munoz Wash for 4.3 miles to 4-way intersection, straight (SW) across Carrizo Wash for 0.3 mile to fork, left (SE) onto CR #492 for 0.4 miles to fork, straight (S) on 492 for 1.4 miles to fork, right (N) uphill on existing road for 0.6 miles to fork, left (SW) for 0.8 miles to fork, left (SE) for 0.1 miles to fork, right (SW) to location to staked location which overlaps existing roadway.

QUICK REFERENCE	
Sur TD (MD)	320 ft
Int TD (MD)	5,935 ft
KOP (MD)	6,926 ft
KOP (TVD)	6,740 ft
Target (TVD)	6,723 ft
Curve BUR	10 °/100 ft
POE (MD)	7,036 ft
TD (MD)	16,685 ft
Lat Len (ft)	9,593 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	320	13.375	54.5	J-55	BTC	0	320
Intermediate	12.250	5,935	9.625	36	J55	LTC	0	5,935
Production	8.500	16,685	5.500	20.0	P-110	LTC	0	16,685

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	% Excess	TOC (ft MD)	Total (sx)
Surface	Class G	15.8	1.174	5.15	100%	0	379
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	70%	0	1,375
Inter. (Tail)	Type III	14.6	1.38	6.64	20%	5,474	136
Prod. (Lead)	Type III	12.4	2.36	13.4	65%	0	1,106
Prod. (Tail)	G:POZ blend	13.3	1.3602	5.999	10%	5,863	1,995

COMPLETION / PRODUCTION SUMMARY:

Frac: 40 plug-and-perf stages with 300,000 bbls slickwater fluid and 24,000,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow (ESP may be used for load recovery assistance)

Production: Produce through production tubing via gas-lift into permanent production and storage facilities

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 165311

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 165311
	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.

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CONDITIONS

Action 165311

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 165311
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 3/10/2023.	3/13/2023