

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 30-039-31374	⁵ Pool Name BASIN MANCOS		⁶ Pool Code 97232
⁷ Property Code 319957	⁸ Property Name RINCON UNIT		⁹ Well Number 715H

II. ¹⁰ Surface Location

UL or lot no. A	Section 21	Township 27N	Range 6W	Lot Idn	Feet from the 1152'	North/South Line North	Feet from the 1273'	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location

UL or lot no. H	Section 19	Township 27N	Range 6W	Lot Idn	Feet from the 2382'	North/South line North	Feet from the 785'	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 11/15/2018	²² Ready Date 12/10/2022	²³ TD 16,578' MD 6,464' TVD	²⁴ PBDT 16,490' MD 6,468' TVD	²⁵ Perforations ~ 6,868'–15,810' MD ~ 6,532'–6,484' 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		332' MD		410 sx - surface
12-1/4"		9-5/8",36#, J-55		6,079' MD		313 sx- surface
8-1/2"		5-1/2",20#, P-110		16,578' MD		2,406 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: <i>Kayla White</i>		OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>	
Printed name: Kayla White		Title: <i>PETROLEUM SPECIALIST</i>	
Title: Environmental Engineer		Approval Date: <i>12/8/2022</i>	
E-mail Address: kwhite@cdhconsult.com			
Date: 12/5/2022	Phone: 720-768-3575		



ENDURING RESOURCES IV LLC

November 4, 2022

Re: RINCON UNIT 715H-30-039-31374

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

District I
 16321 Highway 1, NE, Dallas, TX 75242
 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
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AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31374	² Pool Code 97232	³ Pool Name BASIN MANCOS
⁴ Property Code 319957	⁵ Property Name RINCON UNIT	⁶ Well Number 715H
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		1152	NORTH	1273	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
H	19	27N	6W		2382	NORTH	785	EAST	RIO ARRIBA

¹² Dedicated Acres	Entire Section 19	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
1918.72	Entire Section 20			R-12984
	Entire 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
2382' FNL 785' FEL
SECTION 19, T27N, R6W
LAT: 36.560003°N
LONG: 107.501563°W
DATUM: NAD1927

LAT: 36.560012 °N
LONG: 107.502168 °W
DATUM: NAD1983

589°53.6'W 82.9'

LAST TAKE POINT
2377' FNL 702' FEL
SECTION 19, T27N, R6W
LAT: 36.560006°N
LONG: 107.501281°W
DATUM: NAD1927

LAT: 36.560015 °N
LONG: 107.501886 °W
DATUM: NAD1983

589°42.5'W 9621.5'

FIRST TAKE POINT
2400' FNL 1613' FEL
SECTION 21, T27N, R6W
LAT: 36.560481°N
LONG: 107.468530°W
DATUM: NAD1927

LAT: 36.560490 °N
LONG: 107.469134 °W
DATUM: NAD1983

517° 21' W 1304.3'

SURFACE LOCATION
1152' FNL 1273' FEL
SECTION 21, T27N, R6W
LAT: 36.563919°N
LONG: 107.467284°W
DATUM: NAD1927

LAT: 36.563928 °N
LONG: 107.467888 °W
DATUM: NAD1983

Heath Hume 11/1/22

Signature Date
Heather Huntington

Printed Name
hhuntington@enduringresources.com

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

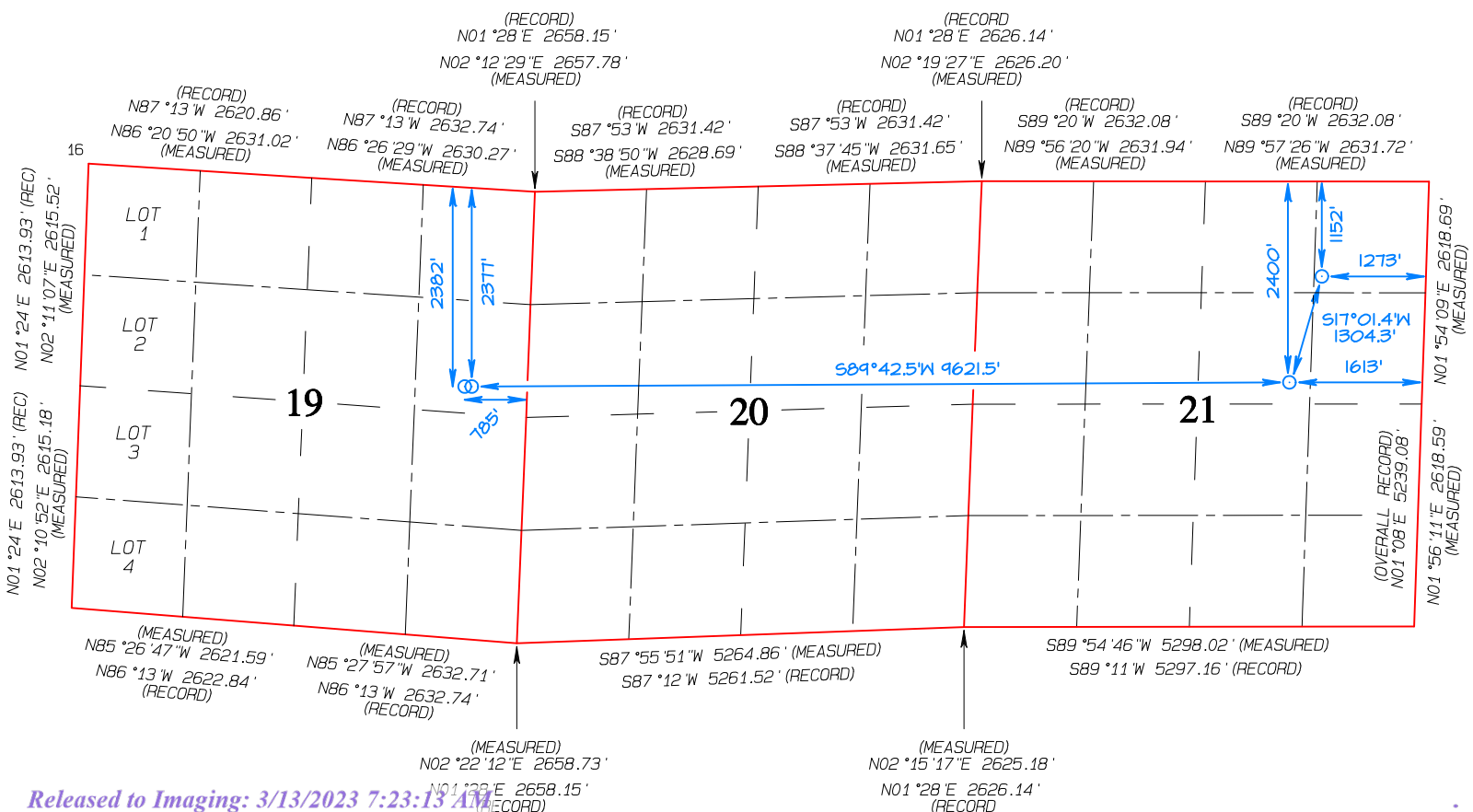
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: OCTOBER 31, 2022
Date of Survey: JUNE 17, 2018

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



District I
1635 N. 1st St. Aztec, NM 87410
Phone: (575) 393-6161 Fax: (575) 393-0720

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LAT: 36.563928 °N
LONG: 107.467888 °W
DATUM: NAD1983

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Heath Hunt 11/1/22

Signature _____ Date _____
Heather Huntington

Printed Name

hhuntington@enduringresources.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

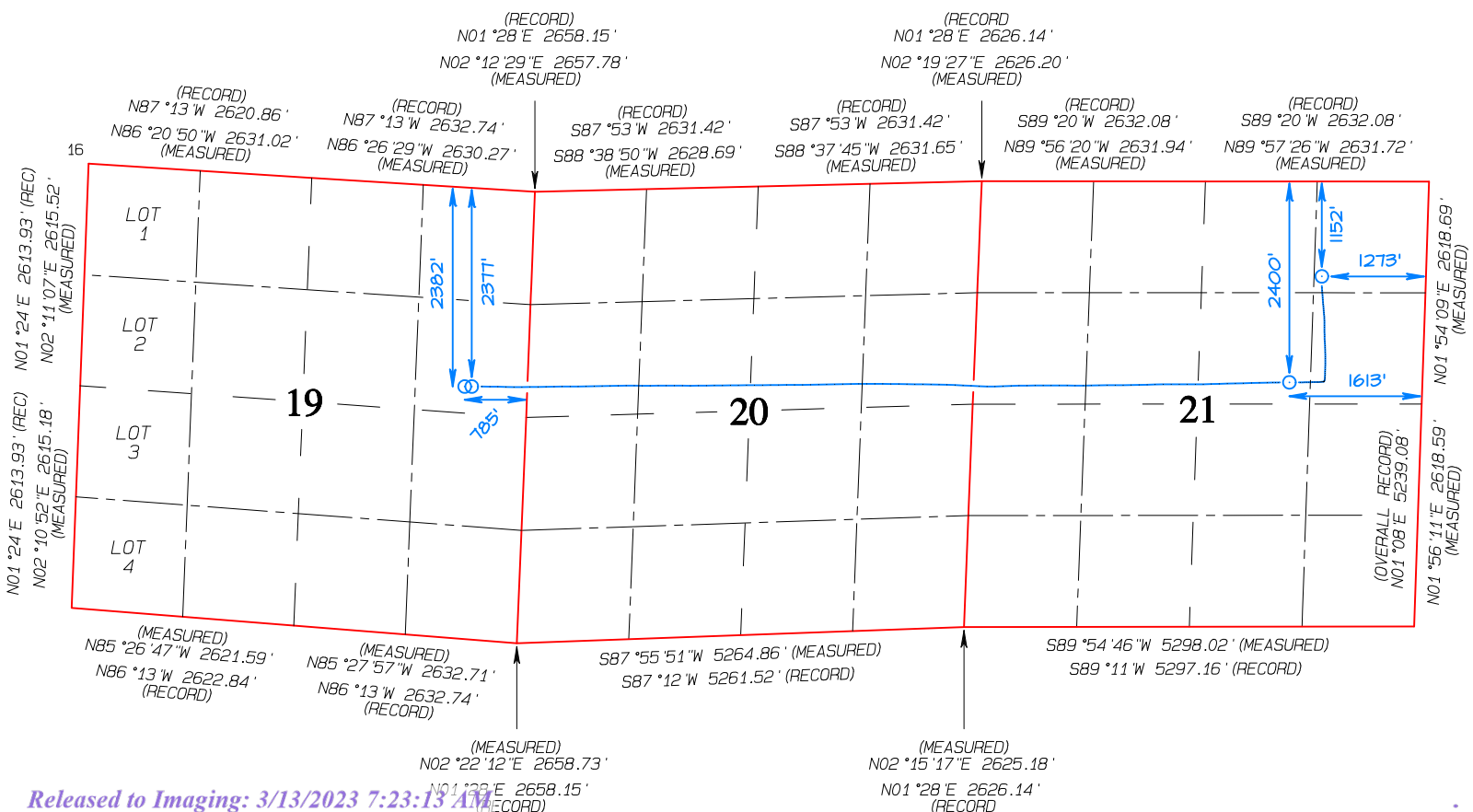
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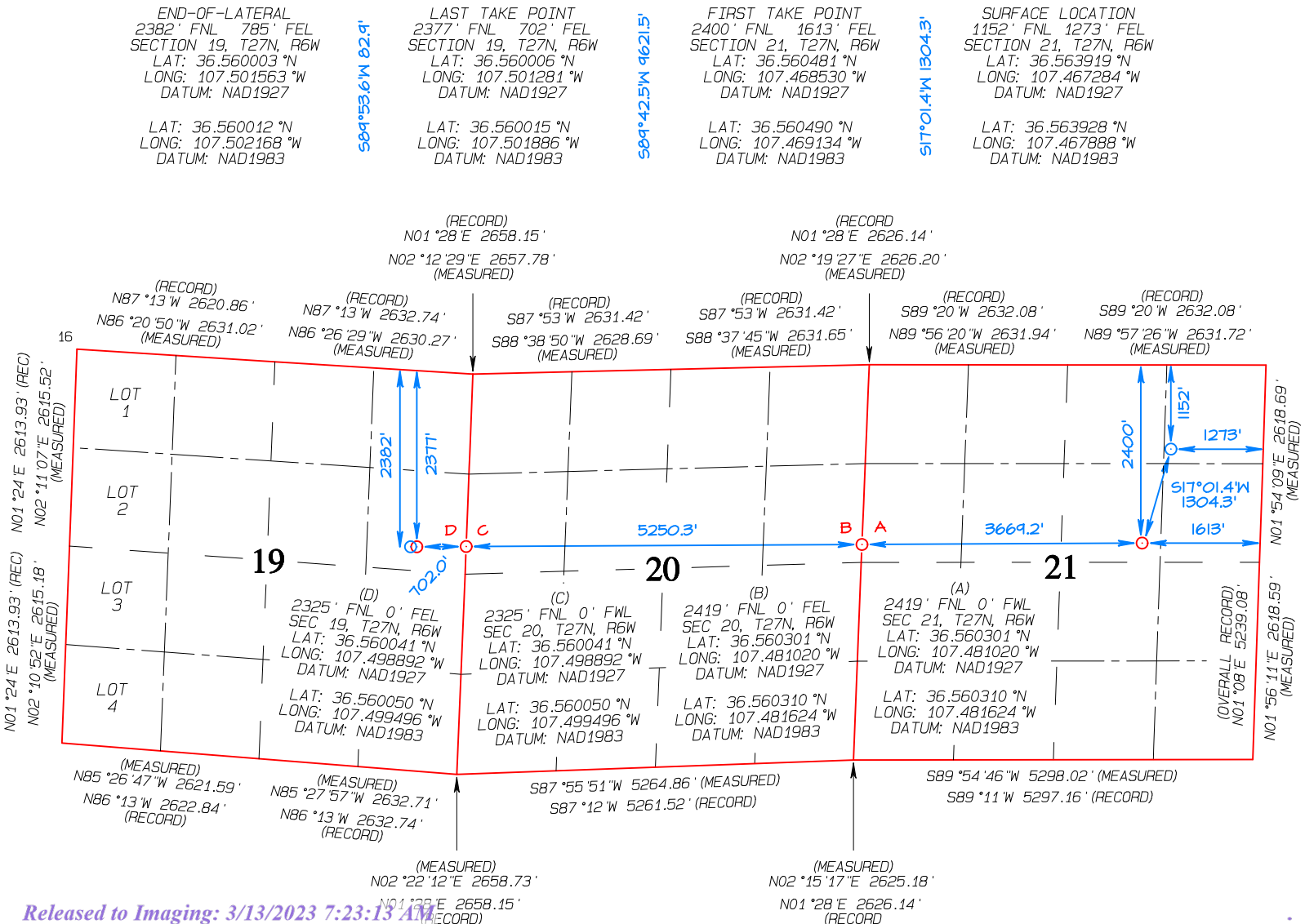
Signature *Heather Huntington* Date **11/1/22**
Heather Huntington
Printed Name
E-mail Address **hhuntington@enduringresources.com**

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shown on this plat was plotted from field
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JASON C. EDWARDS
Certificate Number 15269





Well: Rincon Unit 715H
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	Vsect	Annotation
385.00	1.20	177.700	384.97	-4.03	0.16	0.44	MWD surveys
6079.00	2.20	225.099	5915.75	-1237.15	44.88	139.11	9 5/8" Casing @ 6079 MD 5915.75 TVD
6868.14	70.22	268.851	6532.00	-1253.09	-361.14	543.00	FTP @ 6868.14 MD 6532.00 TVD
16470.00	92.39	268.950	6468.92	-1460.11	-9954.26	10060.72	Survey @ 16470.00 MD 6468.92 TVD
16495.00	92.39	268.950	6467.88	-1460.57	-9979.23	10085.49	LTP @ 16495 MD 6467.88 TVD
16578.00	92.39	268.950	6464.42	-1462.09	-10062.15	10167.71	Survey Proj. to 16578 MD 6464.42 TVD 2379 FNL 790 FEL

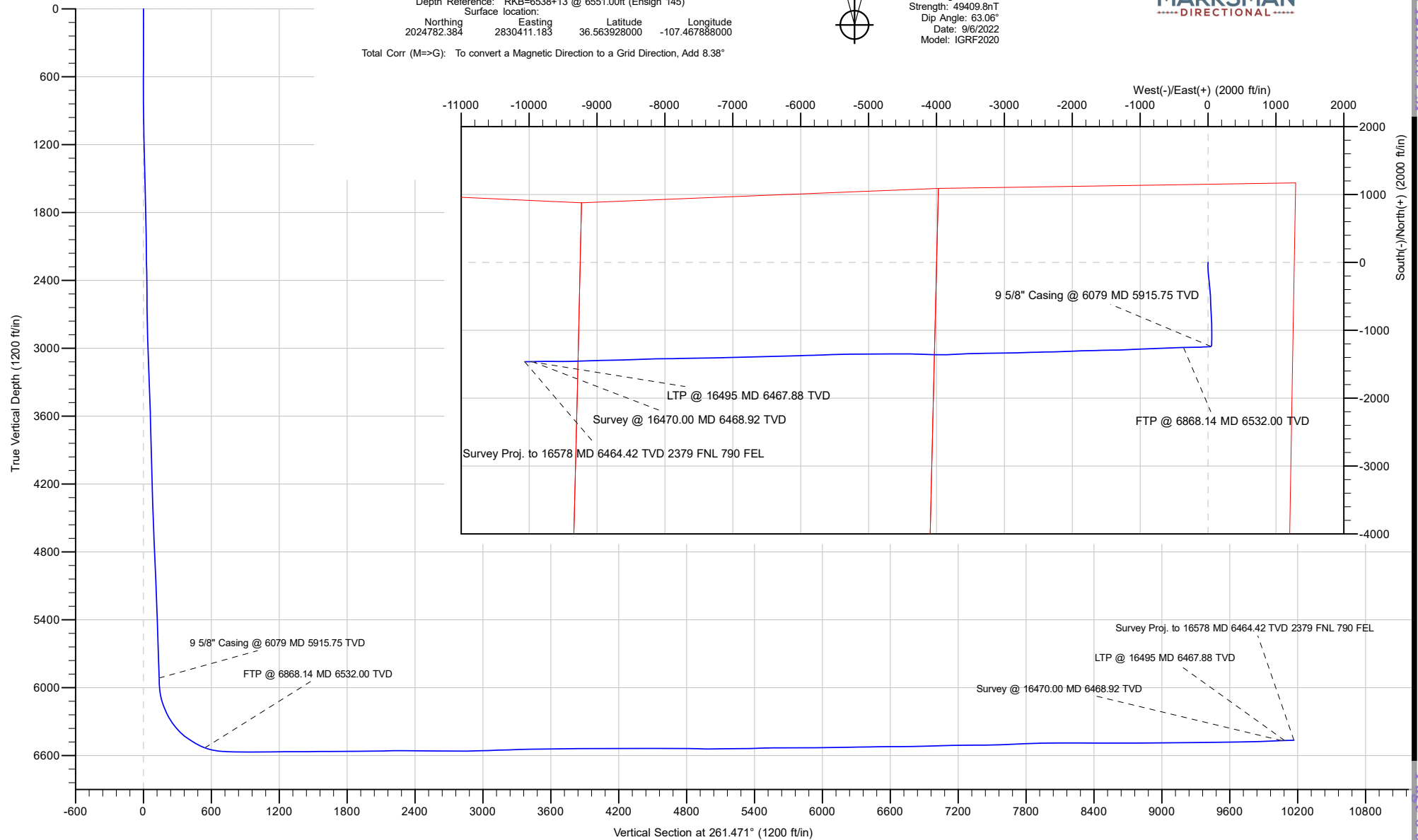
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone
 System Datum: Mean Sea Level
 Depth Reference: RKB=6538+13 @ 6551.00ft (Ensign 145)
 Surface location:
 Northing 2024782.384 Easting 2830411.183 Latitude 36.563928000 Longitude -107.467888000

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



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





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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 715H, Surf loc: 1152 FNL 1273 FEL Section 21-T27N-R06		
Well Position	+N/-S	0.00 ft	Northing: 2,024,782.384 usft
	+E/-W	0.00 ft	Easting: 2,830,411.183 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	49,409.81402318

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	261.471	

Survey Program	Date	10/17/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
385.00	5,946.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
6,028.00	16,470.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
16,578.00	16,578.00	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	1.20	177.700	384.97	-4.03	0.16	0.44	0.31	0.31	0.00
MWD surveys									
416.00	1.13	171.170	415.97	-4.65	0.22	0.47	0.48	-0.23	-21.06
508.00	1.41	171.700	507.94	-6.67	0.52	0.47	0.30	0.30	0.58
599.00	1.23	174.040	598.92	-8.75	0.79	0.52	0.21	-0.20	2.57
690.00	1.18	181.640	689.90	-10.66	0.86	0.73	0.18	-0.05	8.35
779.00	1.03	188.120	778.88	-12.37	0.72	1.12	0.22	-0.17	7.28



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
Project:	Rio Arriba County, New Mexico NAD83 NM W	TVD Reference:	RKB=6538+13 @ 6551.00ft (Ensign 145)
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Well:	Rincon Unit 715H	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)
870.00	0.97	185.720	869.87	-13.94	0.53	1.54	0.08	-0.07	-2.64
961.00	0.86	186.360	960.86	-15.39	0.38	1.91	0.12	-0.12	0.70
1,056.00	3.16	191.530	1,055.79	-18.66	-0.22	2.99	2.43	2.42	5.44
1,150.00	6.69	180.510	1,149.43	-26.68	-0.79	4.74	3.87	3.76	-11.72
1,244.00	9.80	180.060	1,242.45	-40.16	-0.85	6.79	3.31	3.31	-0.48
1,339.00	12.44	179.520	1,335.66	-58.48	-0.77	9.44	2.78	2.78	-0.57
1,432.00	15.38	177.930	1,425.92	-80.82	-0.24	12.23	3.19	3.16	-1.71
1,527.00	17.79	175.420	1,516.96	-107.88	1.37	14.64	2.65	2.54	-2.64
1,621.00	17.89	174.960	1,606.44	-136.58	3.79	16.51	0.18	0.11	-0.49
1,716.00	17.67	175.190	1,696.90	-165.48	6.28	18.33	0.24	-0.23	0.24
1,810.00	17.46	174.910	1,786.52	-193.74	8.73	20.11	0.24	-0.22	-0.30
1,904.00	17.09	174.780	1,876.28	-221.55	11.23	21.75	0.40	-0.39	-0.14
1,998.00	16.77	174.810	1,966.21	-248.81	13.72	23.34	0.34	-0.34	0.03
2,092.00	16.42	174.290	2,056.29	-275.53	16.27	24.78	0.40	-0.37	-0.55
2,186.00	16.30	174.450	2,146.49	-301.88	18.86	26.12	0.14	-0.13	0.17
2,280.00	15.93	174.780	2,236.79	-327.86	21.31	27.55	0.41	-0.39	0.35
2,374.00	15.56	174.850	2,327.27	-353.26	23.62	29.04	0.39	-0.39	0.07
2,468.00	15.28	174.180	2,417.88	-378.14	26.01	30.37	0.35	-0.30	-0.71
2,563.00	14.85	173.710	2,509.62	-402.69	28.61	31.43	0.47	-0.45	-0.49
2,657.00	14.68	173.890	2,600.51	-426.51	31.20	32.41	0.19	-0.18	0.19
2,752.00	14.36	173.930	2,692.48	-450.19	33.72	33.42	0.34	-0.34	0.04
2,846.00	13.98	174.980	2,783.62	-473.09	35.95	34.62	0.49	-0.40	1.12
2,941.00	15.55	176.930	2,875.48	-497.24	37.64	36.53	1.73	1.65	2.05
3,036.00	15.31	178.160	2,967.05	-522.49	38.72	39.20	0.43	-0.25	1.29
3,130.00	16.24	178.970	3,057.51	-548.04	39.36	42.36	1.02	0.99	0.86
3,225.00	15.55	179.280	3,148.88	-574.06	39.75	45.83	0.73	-0.73	0.33
3,319.00	17.37	178.530	3,239.02	-600.68	40.27	49.26	1.95	1.94	-0.80
3,413.00	17.38	178.160	3,328.74	-628.74	41.08	52.62	0.12	0.01	-0.39
3,507.00	16.41	178.000	3,418.68	-656.04	42.00	55.77	1.03	-1.03	-0.17
3,602.00	15.51	177.860	3,510.01	-682.15	42.94	58.71	0.95	-0.95	-0.15
3,696.00	17.05	177.730	3,600.24	-708.48	43.96	61.61	1.64	1.64	-0.14
3,790.00	16.30	176.740	3,690.29	-735.42	45.25	64.32	0.85	-0.80	-1.05
3,884.00	15.26	175.650	3,780.75	-760.93	46.94	66.44	1.15	-1.11	-1.16
3,979.00	16.71	176.760	3,872.07	-787.03	48.66	68.61	1.56	1.53	1.17
4,073.00	16.34	176.410	3,962.19	-813.72	50.25	70.99	0.41	-0.39	-0.37
4,167.00	14.96	175.340	4,052.70	-839.01	52.07	72.95	1.50	-1.47	-1.14
4,262.00	16.13	176.870	4,144.22	-864.41	53.78	75.02	1.30	1.23	1.61
4,356.00	16.44	178.330	4,234.45	-890.74	54.88	77.84	0.55	0.33	1.55
4,450.00	16.11	178.300	4,324.69	-917.07	55.66	80.98	0.35	-0.35	-0.03
4,545.00	15.67	179.010	4,416.06	-943.08	56.27	84.23	0.51	-0.46	0.75
4,639.00	15.25	179.520	4,506.65	-968.13	56.59	87.62	0.47	-0.45	0.54
4,734.00	16.50	179.040	4,598.03	-994.11	56.92	91.15	1.32	1.32	-0.51
4,828.00	15.81	178.620	4,688.32	-1,020.26	57.46	94.50	0.74	-0.73	-0.45



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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	14.86	179.540	4,779.93	-1,045.38	57.87	97.82	1.03	-1.00	0.97
5,016.00	15.69	180.520	4,869.65	-1,069.88	57.85	101.47	0.93	0.89	1.05
5,111.00	14.98	181.510	4,961.27	-1,095.00	57.41	105.63	0.80	-0.75	1.04
5,205.00	13.57	181.690	5,052.36	-1,118.17	56.76	109.71	1.50	-1.50	0.19
5,300.00	12.76	180.840	5,144.86	-1,139.80	56.28	113.39	0.88	-0.85	-0.89
5,394.00	11.86	180.840	5,236.70	-1,159.84	55.98	116.66	0.96	-0.96	0.00
5,489.00	10.97	182.410	5,329.82	-1,178.63	55.46	119.96	0.99	-0.94	1.65
5,583.00	10.37	181.840	5,422.20	-1,196.02	54.81	123.18	0.65	-0.64	-0.61
5,663.00	9.20	184.640	5,501.03	-1,209.59	54.07	125.94	1.58	-1.46	3.50
5,757.00	5.15	193.340	5,594.28	-1,221.19	52.48	129.22	4.45	-4.31	9.26
5,852.00	3.40	203.120	5,689.01	-1,227.93	50.39	132.29	1.99	-1.84	10.29
5,946.00	2.82	207.400	5,782.87	-1,232.55	48.23	135.11	0.66	-0.62	4.55
6,028.00	2.36	219.350	5,864.79	-1,235.65	46.24	137.54	0.86	-0.56	14.57
6,079.00	2.20	225.099	5,915.75	-1,237.15	44.88	139.11	0.55	-0.31	11.27
9 5/8" Casing @ 6079 MD 5915.75 TVD									
6,093.00	2.16	226.820	5,929.74	-1,237.52	44.49	139.54	0.55	-0.28	12.30
6,125.00	2.08	230.140	5,961.72	-1,238.31	43.61	140.53	0.46	-0.25	10.38
6,156.00	3.41	249.930	5,992.68	-1,238.98	42.31	141.92	5.21	4.29	63.84
6,188.00	6.28	261.450	6,024.56	-1,239.57	39.69	144.60	9.43	8.97	36.00
6,219.00	10.07	265.670	6,055.24	-1,240.03	35.30	149.00	12.37	12.23	13.61
6,251.00	13.55	266.540	6,086.56	-1,240.46	28.77	155.53	10.89	10.88	2.72
6,282.00	16.53	266.020	6,116.50	-1,240.99	20.74	163.54	9.62	9.61	-1.68
6,313.00	18.69	265.010	6,146.04	-1,241.73	11.40	172.90	7.04	6.97	-3.26
6,344.00	21.12	264.850	6,175.19	-1,242.66	0.88	183.43	7.84	7.84	-0.52
6,376.00	23.84	265.520	6,204.75	-1,243.68	-11.31	195.64	8.54	8.50	2.09
6,408.00	26.60	266.820	6,233.70	-1,244.59	-24.91	209.23	8.80	8.63	4.06
6,439.00	29.52	268.240	6,261.05	-1,245.21	-39.48	223.72	9.66	9.42	4.58
6,470.00	32.41	268.940	6,287.63	-1,245.59	-55.42	239.55	9.39	9.32	2.26
6,502.00	35.82	268.610	6,314.12	-1,245.98	-73.36	257.35	10.67	10.66	-1.03
6,533.00	38.65	268.560	6,338.80	-1,246.44	-92.11	275.96	9.13	9.13	-0.16
6,565.00	41.18	268.600	6,363.34	-1,246.95	-112.64	296.33	7.91	7.91	0.13
6,596.00	44.64	267.670	6,386.04	-1,247.64	-133.73	317.29	11.35	11.16	-3.00
6,628.00	47.81	267.850	6,408.18	-1,248.55	-156.81	340.26	9.91	9.91	0.56
6,660.00	51.29	268.100	6,428.94	-1,249.41	-181.14	364.45	10.89	10.88	0.78
6,691.00	55.45	268.690	6,447.43	-1,250.10	-206.01	389.14	13.51	13.42	1.90
6,723.00	58.78	269.210	6,464.80	-1,250.59	-232.87	415.78	10.50	10.41	1.63
6,754.00	58.52	268.920	6,480.93	-1,251.02	-259.34	442.02	1.16	-0.84	-0.94
6,785.00	59.80	268.700	6,496.82	-1,251.57	-285.95	468.42	4.17	4.13	-0.71
6,817.00	63.74	268.840	6,511.96	-1,252.18	-314.13	496.38	12.32	12.31	0.44
6,848.00	67.53	268.940	6,524.74	-1,252.73	-342.36	524.37	12.23	12.23	0.32
6,868.14	70.22	268.851	6,532.00	-1,253.09	-361.14	543.00	13.38	13.37	-0.44
FTP @ 6868.14 MD 6532.00 TVD									
6,880.00	71.81	268.800	6,535.86	-1,253.32	-372.36	554.12	13.38	13.38	-0.43
6,912.00	75.39	268.500	6,544.89	-1,254.04	-403.04	584.58	11.22	11.19	-0.94



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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)
6,944.00	78.09	268.280	6,552.23	-1,254.92	-434.17	615.49	8.46	8.44	-0.69
6,975.00	81.27	268.030	6,557.78	-1,255.90	-464.65	645.78	10.29	10.26	-0.81
7,006.00	84.22	267.930	6,561.70	-1,256.98	-495.38	676.33	9.52	9.52	-0.32
7,037.00	87.13	268.060	6,564.04	-1,258.06	-526.27	707.04	9.40	9.39	0.42
7,069.00	88.56	268.280	6,565.24	-1,259.09	-558.23	738.80	4.52	4.47	0.69
7,131.00	88.57	267.950	6,566.79	-1,261.12	-620.18	800.36	0.53	0.02	-0.53
7,225.00	88.39	267.610	6,569.28	-1,264.76	-714.07	893.76	0.41	-0.19	-0.36
7,319.00	91.03	267.720	6,569.76	-1,268.59	-807.99	987.20	2.81	2.81	0.12
7,414.00	91.31	267.420	6,567.82	-1,272.62	-902.88	1,081.64	0.43	0.29	-0.32
7,508.00	90.15	267.980	6,566.62	-1,276.39	-996.79	1,175.08	1.37	-1.23	0.60
7,603.00	90.24	267.650	6,566.30	-1,280.01	-1,091.72	1,269.50	0.36	0.09	-0.35
7,698.00	90.17	267.510	6,565.96	-1,284.03	-1,186.64	1,363.96	0.16	-0.07	-0.15
7,792.00	90.26	267.020	6,565.61	-1,288.51	-1,280.53	1,457.48	0.53	0.10	-0.52
7,886.00	90.37	268.840	6,565.09	-1,291.91	-1,374.46	1,550.87	1.94	0.12	1.94
7,980.00	90.49	268.780	6,564.38	-1,293.86	-1,468.44	1,644.10	0.14	0.13	-0.06
8,075.00	90.45	268.730	6,563.61	-1,295.92	-1,563.42	1,738.33	0.07	-0.04	-0.05
8,169.00	90.41	269.150	6,562.90	-1,297.66	-1,657.40	1,831.53	0.45	-0.04	0.45
8,264.00	90.55	269.030	6,562.10	-1,299.17	-1,752.38	1,925.69	0.19	0.15	-0.13
8,358.00	90.94	268.560	6,560.88	-1,301.15	-1,846.35	2,018.91	0.65	0.41	-0.50
8,452.00	90.94	267.850	6,559.34	-1,304.09	-1,940.29	2,112.25	0.76	0.00	-0.76
8,547.00	90.89	266.820	6,557.82	-1,308.51	-2,035.18	2,206.74	1.09	-0.05	-1.08
8,641.00	89.51	268.320	6,557.49	-1,312.49	-2,129.09	2,300.20	2.17	-1.47	1.60
8,735.00	89.39	267.720	6,558.40	-1,315.74	-2,223.03	2,393.58	0.65	-0.13	-0.64
8,829.00	89.76	269.230	6,559.09	-1,318.24	-2,316.99	2,486.88	1.65	0.39	1.61
8,923.00	89.76	268.760	6,559.49	-1,319.89	-2,410.97	2,580.07	0.50	0.00	-0.50
9,017.00	89.56	268.340	6,560.05	-1,322.27	-2,504.94	2,673.35	0.49	-0.21	-0.45
9,111.00	89.27	267.670	6,561.01	-1,325.54	-2,598.88	2,766.73	0.78	-0.31	-0.71
9,205.00	91.34	268.630	6,560.50	-1,328.57	-2,692.82	2,860.09	2.43	2.20	1.02
9,299.00	91.37	268.030	6,558.28	-1,331.31	-2,786.75	2,953.39	0.64	0.03	-0.64
9,394.00	91.52	269.910	6,555.89	-1,333.02	-2,881.70	3,047.54	1.98	0.16	1.98
9,488.00	91.92	269.460	6,553.06	-1,333.54	-2,975.66	3,140.53	0.64	0.43	-0.48
9,582.00	92.19	268.980	6,549.69	-1,334.82	-3,069.59	3,233.62	0.59	0.29	-0.51
9,677.00	91.24	269.230	6,546.85	-1,336.30	-3,164.54	3,327.73	1.03	-1.00	0.26
9,771.00	91.61	268.450	6,544.51	-1,338.20	-3,258.49	3,420.92	0.92	0.39	-0.83
9,865.00	90.53	269.350	6,542.76	-1,340.01	-3,352.45	3,514.12	1.50	-1.15	0.96
9,960.00	90.76	268.580	6,541.69	-1,341.72	-3,447.43	3,608.30	0.85	0.24	-0.81
10,054.00	90.69	267.820	6,540.50	-1,344.67	-3,541.37	3,701.64	0.81	-0.07	-0.81
10,148.00	90.57	267.240	6,539.47	-1,348.72	-3,635.28	3,795.11	0.63	-0.13	-0.62
10,243.00	90.60	266.050	6,538.50	-1,354.28	-3,730.11	3,889.72	1.25	0.03	-1.25
10,337.00	89.96	269.100	6,538.04	-1,358.26	-3,824.01	3,983.17	3.32	-0.68	3.24
10,431.00	89.62	268.640	6,538.38	-1,360.11	-3,917.99	4,076.39	0.61	-0.36	-0.49
10,525.00	90.44	272.350	6,538.33	-1,359.30	-4,011.97	4,169.21	4.04	0.87	3.95
10,619.00	90.33	271.960	6,537.70	-1,355.77	-4,105.90	4,261.58	0.43	-0.12	-0.41



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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)
10,714.00	90.37	271.730	6,537.12	-1,352.71	-4,200.85	4,355.02	0.25	0.04	-0.24
10,808.00	90.23	271.300	6,536.63	-1,350.22	-4,294.82	4,447.58	0.48	-0.15	-0.46
10,902.00	89.92	270.940	6,536.50	-1,348.39	-4,388.80	4,540.25	0.51	-0.33	-0.38
10,997.00	89.73	270.570	6,536.79	-1,347.13	-4,483.79	4,634.00	0.44	-0.20	-0.39
11,091.00	89.41	269.910	6,537.50	-1,346.74	-4,577.79	4,726.90	0.78	-0.34	-0.70
11,186.00	89.14	269.710	6,538.70	-1,347.06	-4,672.78	4,820.89	0.35	-0.28	-0.21
11,280.00	88.59	269.100	6,540.56	-1,348.03	-4,766.76	4,913.97	0.87	-0.59	-0.65
11,375.00	90.31	270.070	6,541.48	-1,348.72	-4,861.74	5,008.01	2.08	1.81	1.02
11,469.00	90.25	269.740	6,541.02	-1,348.88	-4,955.74	5,100.99	0.36	-0.06	-0.35
11,563.00	90.05	269.710	6,540.77	-1,349.33	-5,049.74	5,194.02	0.22	-0.21	-0.03
11,658.00	91.35	269.610	6,539.61	-1,349.89	-5,144.73	5,288.04	1.37	1.37	-0.11
11,752.00	91.60	269.380	6,537.19	-1,350.72	-5,238.69	5,381.09	0.36	0.27	-0.24
11,846.00	91.67	268.940	6,534.51	-1,352.10	-5,332.65	5,474.20	0.47	0.07	-0.47
11,941.00	90.42	268.560	6,532.78	-1,354.17	-5,427.61	5,568.42	1.38	-1.32	-0.40
12,035.00	90.20	267.700	6,532.27	-1,357.24	-5,521.55	5,661.79	0.94	-0.23	-0.91
12,130.00	89.86	267.340	6,532.22	-1,361.35	-5,616.46	5,756.26	0.52	-0.36	-0.38
12,224.00	90.82	268.640	6,531.66	-1,364.64	-5,710.40	5,849.64	1.72	1.02	1.38
12,319.00	90.74	268.430	6,530.37	-1,367.07	-5,805.36	5,943.91	0.24	-0.08	-0.22
12,413.00	90.57	268.000	6,529.29	-1,370.00	-5,899.31	6,037.26	0.49	-0.18	-0.46
12,508.00	90.61	267.300	6,528.31	-1,373.89	-5,994.22	6,131.70	0.74	0.04	-0.74
12,602.00	90.97	269.320	6,527.02	-1,376.67	-6,088.17	6,225.02	2.18	0.38	2.15
12,697.00	90.91	268.890	6,525.46	-1,378.15	-6,183.14	6,319.16	0.46	-0.06	-0.45
12,791.00	90.75	267.900	6,524.10	-1,380.78	-6,277.10	6,412.46	1.07	-0.17	-1.05
12,885.00	90.70	268.700	6,522.91	-1,383.57	-6,371.05	6,505.79	0.85	-0.05	0.85
12,980.00	90.47	268.700	6,521.94	-1,385.73	-6,466.02	6,600.03	0.24	-0.24	0.00
13,074.00	89.77	267.940	6,521.74	-1,388.48	-6,559.98	6,693.36	1.10	-0.74	-0.81
13,168.00	91.68	269.320	6,520.55	-1,390.73	-6,653.93	6,786.61	2.51	2.03	1.47
13,262.00	91.62	269.070	6,517.84	-1,392.05	-6,747.89	6,879.72	0.27	-0.06	-0.27
13,357.00	91.39	268.400	6,515.35	-1,394.15	-6,842.83	6,973.92	0.75	-0.24	-0.71
13,451.00	91.31	268.470	6,513.13	-1,396.71	-6,936.77	7,067.20	0.11	-0.09	0.07
13,545.00	91.29	268.050	6,511.00	-1,399.57	-7,030.70	7,160.52	0.45	-0.02	-0.45
13,640.00	90.67	268.950	6,509.38	-1,402.05	-7,125.65	7,254.79	1.15	-0.65	0.95
13,734.00	90.51	268.840	6,508.41	-1,403.87	-7,219.63	7,348.00	0.21	-0.17	-0.12
13,828.00	89.78	267.780	6,508.17	-1,406.64	-7,313.59	7,441.33	1.37	-0.78	-1.13
13,923.00	92.36	269.920	6,506.40	-1,408.54	-7,408.54	7,535.51	3.53	2.72	2.25
14,017.00	92.44	269.490	6,502.46	-1,409.03	-7,502.45	7,628.46	0.46	0.09	-0.46
14,112.00	92.38	269.120	6,498.47	-1,410.18	-7,597.36	7,722.49	0.39	-0.06	-0.39
14,207.00	92.29	268.500	6,494.60	-1,412.15	-7,692.26	7,816.63	0.66	-0.09	-0.65
14,301.00	90.97	268.950	6,491.92	-1,414.24	-7,786.20	7,909.84	1.48	-1.40	0.48
14,396.00	90.88	268.130	6,490.39	-1,416.66	-7,881.16	8,004.10	0.87	-0.09	-0.86
14,490.00	90.41	269.960	6,489.33	-1,418.23	-7,975.13	8,097.27	2.01	-0.50	1.95
14,584.00	89.95	269.190	6,489.03	-1,418.92	-8,069.13	8,190.33	0.95	-0.49	-0.82
14,679.00	89.66	268.540	6,489.36	-1,420.81	-8,164.11	8,284.54	0.75	-0.31	-0.68
14,773.00	89.68	268.070	6,489.90	-1,423.59	-8,258.07	8,377.87	0.50	0.02	-0.50



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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)	
14,867.00	89.72	268.060	6,490.39	-1,426.76	-8,352.01	8,471.25	0.04	0.04	-0.01	
14,961.00	90.06	267.960	6,490.57	-1,430.02	-8,445.95	8,564.64	0.38	0.36	-0.11	
15,055.00	90.33	268.310	6,490.25	-1,433.08	-8,539.90	8,658.00	0.47	0.29	0.37	
15,150.00	90.29	267.610	6,489.74	-1,436.47	-8,634.84	8,752.39	0.74	-0.04	-0.74	
15,244.00	90.41	269.040	6,489.16	-1,439.21	-8,728.80	8,845.71	1.53	0.13	1.52	
15,338.00	90.50	269.090	6,488.42	-1,440.75	-8,822.78	8,938.89	0.11	0.10	0.05	
15,433.00	90.30	268.300	6,487.75	-1,442.91	-8,917.75	9,033.13	0.86	-0.21	-0.83	
15,527.00	90.56	268.150	6,487.05	-1,445.82	-9,011.71	9,126.47	0.32	0.28	-0.16	
15,621.00	90.44	267.400	6,486.23	-1,449.47	-9,105.63	9,219.90	0.81	-0.13	-0.80	
15,716.00	90.71	269.010	6,485.27	-1,452.45	-9,200.58	9,314.24	1.72	0.28	1.69	
15,810.00	90.69	268.960	6,484.13	-1,454.11	-9,294.55	9,407.42	0.06	-0.02	-0.05	
15,905.00	90.43	267.560	6,483.20	-1,457.00	-9,389.50	9,501.75	1.50	-0.27	-1.47	
15,999.00	91.09	270.230	6,481.95	-1,458.81	-9,483.47	9,594.95	2.93	0.70	2.84	
16,093.00	91.15	270.410	6,480.11	-1,458.28	-9,577.45	9,687.81	0.20	0.06	0.19	
16,188.00	91.42	270.190	6,477.98	-1,457.79	-9,672.42	9,781.66	0.37	0.28	-0.23	
16,282.00	91.53	269.670	6,475.56	-1,457.90	-9,766.39	9,874.61	0.57	0.12	-0.55	
16,376.00	92.09	269.340	6,472.59	-1,458.71	-9,860.34	9,967.64	0.69	0.60	-0.35	
16,470.00	92.39	268.950	6,468.92	-1,460.11	-9,954.26	10,060.72	0.52	0.32	-0.41	
Survey @ 16470.00 MD 6468.92 TVD										
16,495.00	92.39	268.950	6,467.88	-1,460.57	-9,979.23	10,085.49	0.00	0.00	0.00	
LTP @ 16495 MD 6467.88 TVD										
16,578.00	92.39	268.950	6,464.42	-1,462.09	-10,062.15	10,167.71	0.00	0.00	0.00	
Survey Proj. to 16578 MD 6464.42 TVD 2379 FNL 790 FEL										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
385.00	384.97	-4.03	0.16	MWD surveys	
6,079.00	5,915.75	-1,237.15	44.88	9 5/8" Casing @ 6079 MD 5915.75 TVD	
6,868.14	6,532.00	-1,253.09	-361.14	FTP @ 6868.14 MD 6532.00 TVD	
16,470.00	6,468.92	-1,460.11	-9,954.26	Survey @ 16470.00 MD 6468.92 TVD	
16,495.00	6,467.88	-1,460.57	-9,979.23	LTP @ 16495 MD 6467.88 TVD	
16,578.00	6,464.42	-1,462.09	-10,062.15	Survey Proj. to 16578 MD 6464.42 TVD 2379 FNL 790 FEL	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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 715H, Surf loc: 1152 FNL 1273 FEL Section 21-T27N-R06		
Well Position	+N/-S	0.00 ft	Northing: 2,024,782.384 usft
	+E/-W	0.00 ft	Easting: 2,830,411.183 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.563928000
		Longitude:	-107.467888000
		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	49,409.81402318

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	261.471	

Survey Program	Date	10/17/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
385.00	5,946.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
6,028.00	16,470.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
16,578.00	16,578.00	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	2,024,782.384	2,830,411.183	36.563928000	-107.467888000	
385.00	1.20	177.700	384.97	-4.03	0.16	2,024,778.356	2,830,411.345	36.563916933	-107.467887502	
MWD surveys										
416.00	1.13	171.170	415.97	-4.65	0.22	2,024,777.729	2,830,411.405	36.563915212	-107.467887306	
508.00	1.41	171.700	507.94	-6.67	0.52	2,024,775.713	2,830,411.707	36.563909670	-107.467886301	
599.00	1.23	174.040	598.92	-8.75	0.79	2,024,773.633	2,830,411.970	36.563903955	-107.467885432	
690.00	1.18	181.640	689.90	-10.66	0.86	2,024,771.725	2,830,412.045	36.563898714	-107.467885203	
779.00	1.03	188.120	778.88	-12.37	0.72	2,024,770.017	2,830,411.906	36.563894023	-107.467885699	
870.00	0.97	185.720	869.87	-13.94	0.53	2,024,768.441	2,830,411.713	36.563889696	-107.467886374	
961.00	0.86	186.360	960.86	-15.39	0.38	2,024,766.996	2,830,411.561	36.563885728	-107.467886912	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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	3.16	191.530	1,055.79	-18.66	-0.22	2,024,763.722	2,830,410.958	36.563876739	-107.467889006
1,150.00	6.69	180.510	1,149.43	-26.68	-0.79	2,024,755.705	2,830,410.392	36.563854725	-107.467891039
1,244.00	9.80	180.060	1,242.45	-40.16	-0.85	2,024,742.227	2,830,410.335	36.563817703	-107.467891408
1,339.00	12.44	179.520	1,335.66	-58.48	-0.77	2,024,723.907	2,830,410.412	36.563767379	-107.467891382
1,432.00	15.38	177.930	1,425.92	-80.82	-0.24	2,024,701.561	2,830,410.941	36.563705991	-107.467889868
1,527.00	17.79	175.420	1,516.96	-107.88	1.37	2,024,674.500	2,830,412.555	36.563631643	-107.467884722
1,621.00	17.89	174.960	1,606.44	-136.58	3.79	2,024,645.804	2,830,414.970	36.563552793	-107.467876870
1,716.00	17.67	175.190	1,696.90	-165.48	6.28	2,024,616.902	2,830,417.461	36.563473376	-107.467868762
1,810.00	17.46	174.910	1,786.52	-193.74	8.73	2,024,588.640	2,830,419.909	36.563395718	-107.467860794
1,904.00	17.09	174.780	1,876.28	-221.55	11.23	2,024,560.839	2,830,422.416	36.563319325	-107.467852615
1,998.00	16.77	174.810	1,966.21	-248.81	13.72	2,024,533.579	2,830,424.900	36.563244419	-107.467844512
2,092.00	16.42	174.290	2,056.29	-275.53	16.27	2,024,506.854	2,830,427.448	36.563170982	-107.467836179
2,186.00	16.30	174.450	2,146.49	-301.88	18.86	2,024,480.504	2,830,430.046	36.563098576	-107.467827675
2,280.00	15.93	174.780	2,236.79	-327.86	21.31	2,024,454.528	2,830,432.495	36.563027198	-107.467819671
2,374.00	15.56	174.850	2,327.27	-353.26	23.62	2,024,429.125	2,830,434.801	36.562957395	-107.467812149
2,468.00	15.28	174.180	2,417.88	-378.14	26.01	2,024,404.246	2,830,437.188	36.562889030	-107.467804341
2,563.00	14.85	173.710	2,509.62	-402.69	28.61	2,024,379.692	2,830,439.792	36.562821556	-107.467795795
2,657.00	14.68	173.890	2,600.51	-426.51	31.20	2,024,355.876	2,830,442.379	36.562756109	-107.467787292
2,752.00	14.36	173.930	2,692.48	-450.19	33.72	2,024,332.192	2,830,444.906	36.562691026	-107.467778994
2,846.00	13.98	174.980	2,783.62	-473.09	35.95	2,024,309.290	2,830,447.132	36.562628093	-107.467771710
2,941.00	15.55	176.930	2,875.48	-497.24	37.64	2,024,285.142	2,830,448.818	36.562561743	-107.467766281
3,036.00	15.31	178.160	2,967.05	-522.49	38.72	2,024,259.891	2,830,449.903	36.562492370	-107.467762915
3,130.00	16.24	178.970	3,057.51	-548.04	39.36	2,024,234.345	2,830,450.538	36.562422192	-107.467761084
3,225.00	15.55	179.280	3,148.88	-574.06	39.75	2,024,208.330	2,830,450.937	36.562350728	-107.467760063
3,319.00	17.37	178.530	3,239.02	-600.68	40.27	2,024,181.702	2,830,451.455	36.562277580	-107.467758642
3,413.00	17.38	178.160	3,328.74	-628.74	41.08	2,024,153.644	2,830,452.266	36.562200497	-107.467756245
3,507.00	16.41	178.000	3,418.68	-656.04	42.00	2,024,126.341	2,830,453.180	36.562125491	-107.467753485
3,602.00	15.51	177.860	3,510.01	-682.15	42.94	2,024,100.237	2,830,454.123	36.562053775	-107.467750613
3,696.00	17.05	177.730	3,600.24	-708.48	43.96	2,024,073.906	2,830,455.138	36.561981437	-107.467747497
3,790.00	16.30	176.740	3,690.29	-735.42	45.25	2,024,046.966	2,830,456.434	36.561907422	-107.467743433
3,884.00	15.26	175.650	3,780.75	-760.93	46.94	2,024,021.460	2,830,458.122	36.561837344	-107.467738014
3,979.00	16.71	176.760	3,872.07	-787.03	48.66	2,023,995.357	2,830,459.842	36.561765624	-107.467732494
4,073.00	16.34	176.410	3,962.19	-813.72	50.25	2,023,968.668	2,830,461.434	36.561692295	-107.467727420
4,167.00	14.96	175.340	4,052.70	-839.01	52.07	2,023,943.377	2,830,463.248	36.561622806	-107.467721571
4,262.00	16.13	176.870	4,144.22	-864.41	53.78	2,023,917.978	2,830,464.965	36.561553020	-107.467716054
4,356.00	16.44	178.330	4,234.45	-890.74	54.88	2,023,891.644	2,830,466.065	36.561480672	-107.467712647
4,450.00	16.11	178.300	4,324.69	-917.07	55.66	2,023,865.312	2,830,466.840	36.561408334	-107.467710351
4,545.00	15.67	179.010	4,416.06	-943.08	56.27	2,023,839.310	2,830,467.453	36.561336902	-107.467708601
4,639.00	15.25	179.520	4,506.65	-968.13	56.59	2,023,814.255	2,830,467.775	36.561268076	-107.467707826
4,734.00	16.50	179.040	4,598.03	-994.11	56.92	2,023,788.272	2,830,468.106	36.561196700	-107.467707036
4,828.00	15.81	178.620	4,688.32	-1,020.26	57.46	2,023,762.124	2,830,468.638	36.561124867	-107.467705563
4,923.00	14.86	179.540	4,779.93	-1,045.38	57.87	2,023,737.004	2,830,469.048	36.561055863	-107.467704494
5,016.00	15.69	180.520	4,869.65	-1,069.88	57.85	2,023,712.504	2,830,469.029	36.560988565	-107.467704874
5,111.00	14.98	181.510	4,961.27	-1,095.00	57.41	2,023,687.385	2,830,468.589	36.560919571	-107.467706697
5,205.00	13.57	181.690	5,052.36	-1,118.17	56.76	2,023,664.217	2,830,467.944	36.560855936	-107.467709195
5,300.00	12.76	180.840	5,144.86	-1,139.80	56.28	2,023,642.586	2,830,467.461	36.560796524	-107.467711118
5,394.00	11.86	180.840	5,236.70	-1,159.84	55.98	2,023,622.548	2,830,467.168	36.560741484	-107.467712377
5,489.00	10.97	182.410	5,329.82	-1,178.63	55.46	2,023,603.755	2,830,466.644	36.560689869	-107.467714402
5,583.00	10.37	181.840	5,422.20	-1,196.02	54.81	2,023,586.363	2,830,465.997	36.560642102	-107.467716833
5,663.00	9.20	184.640	5,501.03	-1,209.59	54.07	2,023,572.792	2,830,465.248	36.560604831	-107.467719557
5,757.00	5.15	193.340	5,594.28	-1,221.19	52.48	2,023,561.192	2,830,463.666	36.560572984	-107.467725094
5,852.00	3.40	203.120	5,689.01	-1,227.93	50.39	2,023,554.452	2,830,461.576	36.560554491	-107.467732298
5,946.00	2.82	207.400	5,782.87	-1,232.55	48.23	2,023,549.835	2,830,459.417	36.560541833	-107.467739708
6,028.00	2.36	219.350	5,864.79	-1,235.65	46.24	2,023,546.739	2,830,457.418	36.560533348	-107.467746554



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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
6,079.00	2.20	225.099	5,915.75	-1,237.15	44.88	2,023,545.236	2,830,456.059	36.560529234	-107.467751201
9 5/8" Casing @ 6079 MD 5915.75 TVD									
6,093.00	2.16	226.820	5,929.74	-1,237.52	44.49	2,023,544.866	2,830,455.677	36.560528221	-107.467752509
6,125.00	2.08	230.140	5,961.72	-1,238.31	43.61	2,023,544.081	2,830,454.791	36.560526075	-107.467755534
6,156.00	3.41	249.930	5,992.68	-1,238.98	42.31	2,023,543.404	2,830,453.493	36.560524229	-107.467759962
6,188.00	6.28	261.450	6,024.56	-1,239.57	39.69	2,023,542.817	2,830,450.868	36.560522644	-107.467768909
6,219.00	10.07	265.670	6,055.24	-1,240.03	35.30	2,023,542.360	2,830,446.487	36.560521435	-107.467783831
6,251.00	13.55	266.540	6,086.56	-1,240.46	28.77	2,023,541.922	2,830,439.954	36.560520301	-107.467806083
6,282.00	16.53	266.020	6,116.50	-1,240.99	20.74	2,023,541.397	2,830,431.928	36.560518941	-107.467833419
6,313.00	18.69	265.010	6,146.04	-1,241.73	11.40	2,023,540.659	2,830,422.579	36.560517011	-107.467865261
6,344.00	21.12	264.850	6,175.19	-1,242.66	0.88	2,023,539.725	2,830,412.067	36.560514557	-107.467901066
6,376.00	23.84	265.520	6,204.75	-1,243.68	-11.31	2,023,538.703	2,830,399.876	36.560511874	-107.467942591
6,408.00	26.60	266.820	6,233.70	-1,244.59	-24.91	2,023,537.800	2,830,386.273	36.560509536	-107.467988921
6,439.00	29.52	268.240	6,261.05	-1,245.21	-39.48	2,023,537.180	2,830,371.706	36.560507986	-107.468038528
6,470.00	32.41	268.940	6,287.63	-1,245.59	-55.42	2,023,536.792	2,830,355.763	36.560507086	-107.468092820
6,502.00	35.82	268.610	6,314.12	-1,245.98	-73.36	2,023,536.406	2,830,337.822	36.560506213	-107.468153912
6,533.00	38.65	268.560	6,338.80	-1,246.44	-92.11	2,023,535.942	2,830,319.072	36.560505135	-107.468217762
6,565.00	41.18	268.600	6,363.34	-1,246.95	-112.64	2,023,535.434	2,830,298.548	36.560503952	-107.468287655
6,596.00	44.64	267.670	6,386.04	-1,247.64	-133.73	2,023,534.742	2,830,277.456	36.560502270	-107.468359480
6,628.00	47.81	267.850	6,408.18	-1,248.55	-156.81	2,023,533.840	2,830,254.371	36.560500033	-107.468438097
6,660.00	51.29	268.100	6,428.94	-1,249.41	-181.14	2,023,532.981	2,830,230.039	36.560497927	-107.468520959
6,691.00	55.45	268.690	6,447.43	-1,250.10	-206.01	2,023,532.287	2,830,205.177	36.560496282	-107.468605624
6,723.00	58.78	269.210	6,464.80	-1,250.59	-232.87	2,023,531.797	2,830,178.313	36.560495216	-107.468697102
6,754.00	58.52	268.920	6,480.93	-1,251.02	-259.34	2,023,531.365	2,830,151.842	36.560494305	-107.468787239
6,785.00	59.80	268.700	6,496.82	-1,251.57	-285.95	2,023,530.812	2,830,125.232	36.560493063	-107.468877854
6,817.00	63.74	268.840	6,511.96	-1,252.18	-314.13	2,023,530.208	2,830,097.050	36.560491696	-107.468973821
6,848.00	67.53	268.940	6,524.74	-1,252.73	-342.36	2,023,529.661	2,830,068.822	36.560490488	-107.469069946
6,868.14	70.22	268.851	6,532.00	-1,253.09	-361.14	2,023,529.299	2,830,050.040	36.560489688	-107.469133901
FTP @ 6868.14 MD 6532.00 TVD									
6,880.00	71.81	268.800	6,535.86	-1,253.32	-372.36	2,023,529.069	2,830,038.828	36.560489174	-107.469172082
6,912.00	75.39	268.500	6,544.89	-1,254.04	-403.04	2,023,528.345	2,830,008.143	36.560487504	-107.469276571
6,944.00	78.09	268.280	6,552.23	-1,254.92	-434.17	2,023,527.470	2,829,977.012	36.560485423	-107.469382586
6,975.00	81.27	268.030	6,557.78	-1,255.90	-464.65	2,023,526.488	2,829,946.533	36.560483042	-107.469486378
7,006.00	84.22	267.930	6,561.70	-1,256.98	-495.38	2,023,525.404	2,829,915.804	36.560480384	-107.469591025
7,037.00	87.13	268.060	6,564.04	-1,258.06	-526.27	2,023,524.323	2,829,884.915	36.560477735	-107.469696217
7,069.00	88.56	268.280	6,565.24	-1,259.09	-558.23	2,023,523.301	2,829,852.954	36.560475262	-107.469805054
7,131.00	88.57	267.950	6,566.79	-1,261.12	-620.18	2,023,521.263	2,829,791.008	36.560470304	-107.470016009
7,225.00	88.39	267.610	6,569.28	-1,264.76	-714.07	2,023,517.623	2,829,697.112	36.560461280	-107.470335771
7,319.00	91.03	267.720	6,569.76	-1,268.59	-807.99	2,023,513.793	2,829,603.199	36.560451734	-107.470655591
7,414.00	91.31	267.420	6,567.82	-1,272.62	-902.88	2,023,509.766	2,829,508.305	36.560441655	-107.470978758
7,508.00	90.15	267.980	6,566.62	-1,276.39	-996.79	2,023,505.994	2,829,414.390	36.560432265	-107.471298584
7,603.00	90.24	267.650	6,566.30	-1,280.01	-1,091.72	2,023,502.373	2,829,319.460	36.560423297	-107.471621866
7,698.00	90.17	267.510	6,565.96	-1,284.03	-1,186.64	2,023,498.361	2,829,224.546	36.560413259	-107.471945100
7,792.00	90.26	267.020	6,565.61	-1,288.51	-1,280.53	2,023,493.876	2,829,130.654	36.560401907	-107.472264859
7,886.00	90.37	268.840	6,565.09	-1,291.91	-1,374.46	2,023,490.481	2,829,036.721	36.560393549	-107.472584744
7,980.00	90.49	268.780	6,564.38	-1,293.86	-1,468.44	2,023,488.529	2,828,942.744	36.560389154	-107.472904759
8,075.00	90.45	268.730	6,563.61	-1,295.92	-1,563.42	2,023,486.465	2,828,847.770	36.560384462	-107.473228172
8,169.00	90.41	269.150	6,562.90	-1,297.66	-1,657.40	2,023,484.726	2,828,753.789	36.560380651	-107.473548198
8,264.00	90.55	269.030	6,562.10	-1,299.17	-1,752.38	2,023,483.217	2,828,658.805	36.560377482	-107.473871639
8,358.00	90.94	268.560	6,560.88	-1,301.15	-1,846.35	2,023,481.240	2,828,564.834	36.560373017	-107.474191633
8,452.00	90.94	267.850	6,559.34	-1,304.09	-1,940.29	2,023,478.296	2,828,470.894	36.560365893	-107.474511537
8,547.00	90.89	266.820	6,557.82	-1,308.51	-2,035.18	2,023,473.880	2,828,376.010	36.560354734	-107.474834671
8,641.00	89.51	268.320	6,557.49	-1,312.49	-2,129.09	2,023,469.895	2,828,282.100	36.560344748	-107.475154484
8,735.00	89.39	267.720	6,558.40	-1,315.74	-2,223.03	2,023,466.647	2,828,188.161	36.560336788	-107.475474386
8,829.00	89.76	269.230	6,559.09	-1,318.24	-2,316.99	2,023,464.146	2,828,094.200	36.560330876	-107.475794354



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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
8,923.00	89.76	268.760	6,559.49	-1,319.89	-2,410.97	2,023,462.497	2,828,000.216	36.560327307	-107.476114391
9,017.00	89.56	268.340	6,560.05	-1,322.27	-2,504.94	2,023,460.118	2,827,906.248	36.560321731	-107.476434380
9,111.00	89.27	267.670	6,561.01	-1,325.54	-2,598.88	2,023,456.846	2,827,812.311	36.560313700	-107.476754277
9,205.00	91.34	268.630	6,560.50	-1,328.57	-2,692.82	2,023,453.812	2,827,718.368	36.560306321	-107.477074191
9,299.00	91.37	268.030	6,558.28	-1,331.31	-2,786.75	2,023,451.073	2,827,624.435	36.560299753	-107.477394068
9,394.00	91.52	269.910	6,555.89	-1,333.02	-2,881.70	2,023,449.366	2,827,529.485	36.560296029	-107.477717393
9,488.00	91.92	269.460	6,553.06	-1,333.54	-2,975.66	2,023,448.850	2,827,435.529	36.560295564	-107.478037317
9,582.00	92.19	268.980	6,549.69	-1,334.82	-3,069.59	2,023,447.571	2,827,341.599	36.560293004	-107.478357165
9,677.00	91.24	269.230	6,546.85	-1,336.30	-3,164.54	2,023,446.088	2,827,246.654	36.560289892	-107.478680469
9,771.00	91.61	268.450	6,544.51	-1,338.20	-3,258.49	2,023,444.185	2,827,152.704	36.560285617	-107.479000393
9,865.00	90.53	269.350	6,542.76	-1,340.01	-3,352.45	2,023,442.381	2,827,058.740	36.560281612	-107.479320362
9,960.00	90.76	268.580	6,541.69	-1,341.72	-3,447.43	2,023,440.665	2,826,963.762	36.560277859	-107.479643781
10,054.00	90.69	267.820	6,540.50	-1,344.67	-3,541.37	2,023,437.713	2,826,869.817	36.560270697	-107.479963700
10,148.00	90.57	267.240	6,539.47	-1,348.72	-3,635.28	2,023,433.662	2,826,775.911	36.560260518	-107.480283501
10,243.00	90.60	266.050	6,538.50	-1,354.28	-3,730.11	2,023,428.103	2,826,681.080	36.560246203	-107.480606467
10,337.00	89.96	269.100	6,538.04	-1,358.26	-3,824.01	2,023,424.126	2,826,587.177	36.560236225	-107.480926255
10,431.00	89.62	268.640	6,538.38	-1,360.11	-3,917.99	2,023,422.273	2,826,493.197	36.560232078	-107.481246281
10,525.00	90.44	272.350	6,538.33	-1,359.30	-4,011.97	2,023,423.085	2,826,399.218	36.560235253	-107.481566268
10,619.00	90.33	271.960	6,537.70	-1,355.77	-4,105.90	2,023,426.619	2,826,305.287	36.560245905	-107.481886058
10,714.00	90.37	271.730	6,537.12	-1,352.71	-4,200.85	2,023,429.678	2,826,210.338	36.560255259	-107.482209320
10,808.00	90.23	271.300	6,536.63	-1,350.22	-4,294.82	2,023,432.163	2,826,116.373	36.560263028	-107.482529240
10,902.00	89.92	270.940	6,536.50	-1,348.39	-4,388.80	2,023,434.000	2,826,022.391	36.560269016	-107.482849224
10,997.00	89.73	270.570	6,536.79	-1,347.13	-4,483.79	2,023,435.252	2,825,927.400	36.560273404	-107.483172651
11,091.00	89.41	269.910	6,537.50	-1,346.74	-4,577.79	2,023,435.646	2,825,833.405	36.560275426	-107.483492701
11,186.00	89.14	269.710	6,538.70	-1,347.06	-4,672.78	2,023,435.331	2,825,738.413	36.560275509	-107.483816150
11,280.00	88.59	269.100	6,540.56	-1,348.03	-4,766.76	2,023,434.355	2,825,644.438	36.560273766	-107.484136148
11,375.00	90.31	270.070	6,541.48	-1,348.72	-4,861.74	2,023,433.667	2,825,549.449	36.560272823	-107.484459591
11,469.00	90.25	269.740	6,541.02	-1,348.88	-4,955.74	2,023,433.511	2,825,455.451	36.560273331	-107.484779656
11,563.00	90.05	269.710	6,540.77	-1,349.33	-5,049.74	2,023,433.060	2,825,361.453	36.560273027	-107.485099726
11,658.00	91.35	269.610	6,539.61	-1,349.89	-5,144.73	2,023,432.496	2,825,266.464	36.560272423	-107.485423169
11,752.00	91.60	269.380	6,537.19	-1,350.72	-5,238.69	2,023,431.668	2,825,172.499	36.560271081	-107.485743129
11,846.00	91.67	268.940	6,534.51	-1,352.10	-5,332.65	2,023,430.291	2,825,078.548	36.560268229	-107.486063049
11,941.00	90.42	268.560	6,532.78	-1,354.17	-5,427.61	2,023,428.218	2,824,983.588	36.560263479	-107.486386411
12,035.00	90.20	267.700	6,532.27	-1,357.24	-5,521.55	2,023,425.151	2,824,889.641	36.560255984	-107.486706339
12,130.00	89.86	267.340	6,532.22	-1,361.35	-5,616.46	2,023,421.040	2,824,794.730	36.560245631	-107.487029558
12,224.00	90.82	268.640	6,531.66	-1,364.64	-5,710.40	2,023,417.744	2,824,700.793	36.560237504	-107.487349454
12,319.00	90.74	268.430	6,530.37	-1,367.07	-5,805.36	2,023,415.315	2,824,605.833	36.560231771	-107.487672822
12,413.00	90.57	268.000	6,529.29	-1,370.00	-5,899.31	2,023,412.387	2,824,511.885	36.560224655	-107.487992749
12,508.00	90.61	267.300	6,528.31	-1,373.89	-5,994.22	2,023,408.492	2,824,416.971	36.560214891	-107.488315979
12,602.00	90.97	269.320	6,527.02	-1,376.67	-6,088.17	2,023,405.720	2,824,323.026	36.560208203	-107.488635894
12,697.00	90.91	268.890	6,525.46	-1,378.15	-6,183.14	2,023,404.237	2,824,228.051	36.560205061	-107.488959302
12,791.00	90.75	267.900	6,524.10	-1,380.78	-6,277.10	2,023,401.604	2,824,134.099	36.560198754	-107.489279239
12,885.00	90.70	268.700	6,522.91	-1,383.57	-6,371.05	2,023,398.816	2,824,040.149	36.560192017	-107.489599173
12,980.00	90.47	268.700	6,521.94	-1,385.73	-6,466.02	2,023,396.660	2,823,945.179	36.560187029	-107.489922572
13,074.00	89.77	267.940	6,521.74	-1,388.48	-6,559.98	2,023,393.905	2,823,851.221	36.560180380	-107.490242531
13,168.00	91.68	269.320	6,520.55	-1,390.73	-6,653.93	2,023,391.657	2,823,757.262	36.560175127	-107.490562487
13,262.00	91.62	269.070	6,517.84	-1,392.05	-6,747.89	2,023,390.337	2,823,663.310	36.560172420	-107.490882407
13,357.00	91.39	268.400	6,515.35	-1,394.15	-6,842.83	2,023,388.241	2,823,568.367	36.560167589	-107.491205713
13,451.00	91.31	268.470	6,513.13	-1,396.71	-6,936.77	2,023,385.674	2,823,474.428	36.560161457	-107.491525604
13,545.00	91.29	268.050	6,511.00	-1,399.57	-7,030.70	2,023,382.821	2,823,380.496	36.560154535	-107.491845477
13,640.00	90.67	268.950	6,509.38	-1,402.05	-7,125.65	2,023,380.334	2,823,285.544	36.560148631	-107.492168817
13,734.00	90.51	268.840	6,508.41	-1,403.87	-7,219.63	2,023,378.522	2,823,191.567	36.560144567	-107.492488831
13,828.00	89.78	267.780	6,508.17	-1,406.64	-7,313.59	2,023,375.749	2,823,097.610	36.560137866	-107.492808785
13,923.00	92.36	269.920	6,506.40	-1,408.54	-7,408.54	2,023,373.843	2,823,002.660	36.560133551	-107.493132114
14,017.00	92.44	269.490	6,502.46	-1,409.03	-7,502.45	2,023,373.359	2,822,908.744	36.560133135	-107.493451902



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rincon Unit 715H
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 715H	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
14,112.00	92.38	269.120	6,498.47	-1,410.18	-7,597.36	2,023,372.208	2,822,813.835	36.560130893	-107.493775079
14,207.00	92.29	268.500	6,494.60	-1,412.15	-7,692.26	2,023,370.237	2,822,718.935	36.560126398	-107.494098236
14,301.00	90.97	268.950	6,491.92	-1,414.24	-7,786.20	2,023,368.146	2,822,624.999	36.560121565	-107.494418113
14,396.00	90.88	268.130	6,490.39	-1,416.66	-7,881.16	2,023,365.726	2,822,530.043	36.560115836	-107.494741465
14,490.00	90.41	269.960	6,489.33	-1,418.23	-7,975.13	2,023,364.159	2,822,436.067	36.560112441	-107.495061473
14,584.00	89.95	269.190	6,489.03	-1,418.92	-8,069.13	2,023,363.462	2,822,342.071	36.560111434	-107.495381536
14,679.00	89.66	268.540	6,489.36	-1,420.81	-8,164.11	2,023,361.580	2,822,247.091	36.560107181	-107.495704964
14,773.00	89.68	268.070	6,489.90	-1,423.59	-8,258.07	2,023,358.800	2,822,153.134	36.560100449	-107.496024919
14,867.00	89.72	268.060	6,490.39	-1,426.76	-8,352.01	2,023,355.626	2,822,059.189	36.560092635	-107.496344839
14,961.00	90.06	267.960	6,490.57	-1,430.02	-8,445.95	2,023,352.362	2,821,965.247	36.560084572	-107.496664752
15,055.00	90.33	268.310	6,490.25	-1,433.08	-8,539.90	2,023,349.303	2,821,871.297	36.560077072	-107.496984684
15,150.00	90.29	267.610	6,489.74	-1,436.47	-8,634.84	2,023,345.921	2,821,776.360	36.560068695	-107.497307986
15,244.00	90.41	269.040	6,489.16	-1,439.21	-8,728.80	2,023,343.174	2,821,682.404	36.560062049	-107.497627935
15,338.00	90.50	269.090	6,488.42	-1,440.75	-8,822.78	2,023,341.640	2,821,588.420	36.560058736	-107.497947969
15,433.00	90.30	268.300	6,487.75	-1,442.91	-8,917.75	2,023,339.476	2,821,493.448	36.560053702	-107.498271373
15,527.00	90.56	268.150	6,487.05	-1,445.82	-9,011.71	2,023,336.565	2,821,399.496	36.560046603	-107.498591313
15,621.00	90.44	267.400	6,486.23	-1,449.47	-9,105.63	2,023,332.915	2,821,305.571	36.560037476	-107.498911168
15,716.00	90.71	269.010	6,485.27	-1,452.45	-9,200.58	2,023,329.940	2,821,210.626	36.560030209	-107.499234491
15,810.00	90.69	268.960	6,484.13	-1,454.11	-9,294.55	2,023,328.275	2,821,116.648	36.560026532	-107.499554504
15,905.00	90.43	267.560	6,483.20	-1,457.00	-9,389.50	2,023,325.390	2,821,021.699	36.560019513	-107.499877839
15,999.00	91.09	270.230	6,481.95	-1,458.81	-9,483.47	2,023,323.578	2,820,927.734	36.560015429	-107.500197810
16,093.00	91.15	270.410	6,480.11	-1,458.28	-9,577.45	2,023,324.103	2,820,833.754	36.560017764	-107.500517805
16,188.00	91.42	270.190	6,477.98	-1,457.79	-9,672.42	2,023,324.600	2,820,738.779	36.560020033	-107.500841186
16,282.00	91.53	269.670	6,475.56	-1,457.90	-9,766.39	2,023,324.485	2,820,644.811	36.560020609	-107.501161148
16,376.00	92.09	269.340	6,472.59	-1,458.71	-9,860.34	2,023,323.674	2,820,550.862	36.560019270	-107.501481052
16,470.00	92.39	268.950	6,468.92	-1,460.11	-9,954.26	2,023,322.272	2,820,456.945	36.560016310	-107.501800856
Survey @ 16470.00 MD 6468.92 TVD									
16,495.00	92.39	268.950	6,467.88	-1,460.57	-9,979.23	2,023,321.814	2,820,431.971	36.560015289	-107.501885897
LTP @ 16495 MD 6467.88 TVD									
16,578.00	92.39	268.950	6,464.42	-1,462.09	-10,062.15	2,023,320.295	2,820,349.057	36.560011899	-107.502168235
Survey Proj. to 16578 MD 6464.42 TVD 2379 FNL 790 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
385.00	384.97	-4.03	0.16	MWD surveys
6,079.00	5,915.75	-1,237.15	44.88	9 5/8" Casing @ 6079 MD 5915.75 TVD
6,868.14	6,532.00	-1,253.09	-361.14	FTP @ 6868.14 MD 6532.00 TVD
16,470.00	6,468.92	-1,460.11	-9,954.26	Survey @ 16470.00 MD 6468.92 TVD
16,495.00	6,467.88	-1,460.57	-9,979.23	LTP @ 16495 MD 6467.88 TVD
16,578.00	6,464.42	-1,462.09	-10,062.15	Survey Proj. to 16578 MD 6464.42 TVD 2379 FNL 790 FEL

Checked By: _____	Approved By: _____	Date: _____
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WELL NAME: RINCON UNIT 715H**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)	6,079 ft
KOP (MD)	6,807 ft
KOP (TVD)	6,498 ft
Target (TVD)	6,539 ft
Curve BUR	10 °/100 ft
POE (MD)	7,122 ft
TD (MD)	16,568 ft
Lat Len (ft)	9,400 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	6,079	9.625	36	J55	LTC	0	6,079
Production	8.500	16,568	5.500	20.0	P-110	LTC	0	16,568

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	1,401
Inter. (Tail)	Type III	14.6	1.38	6.64	20%	5,582	136
Prod. (Lead)	Type III	12.4	2.36	13.4	65%	0	1,130
Prod. (Tail)	G:POZ blend	13.3	1.3602	5.999	10%	5,994	1,951

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.

Well Name: RINCON UNIT	Well Location: T27N / R6W / SEC 21 / NENE / 36.563928 / -107.467888	County or Parish/State: RIO ARRIBA / NM
Well Number: 715H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NMSF0079366, NMSF079366	Unit or CA Name: RINCON UNIT-- STATE	Unit or CA Number: NMNM78406X
US Well Number: 3003931374	Well Status: Drilling Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2698728

Type of Submission: Subsequent Report

Date Sundry Submitted: 10/19/2022

Date Operation Actually Began: 10/08/2022

Type of Action: Casing

Time Sundry Submitted: 10:21

Actual Procedure: 10/8/2022- Test 9 5/8" Casing to 1,500 for 30 min Test BOP as follows: Tested Choke manifolds and Blind's 250 psi (Low) for 5 min, 3000 psi (High) for 10 min. Tested upper and lower pipe rams 250 psi (Low) for 5 min, 3000 psi (High) for 10 min. Tested Annular 250 psi (Low) for 5 min, 3000 psi (High) for 10 min. All tests good 10/8/2022 through 10/16/2022- Drilling 8-1/2" hole. TD 8-1/2" @ 16,568' 10/8/2022 - Run 5-1/2" Production Casing , 1 Jts of 5-1/2", 20# P-110, BTC, csng set @ 16,568', float collar 1 @ 16,563', float collar 2 @ 16,539', PBTD @ 16,490'. Cement Summary: PJSM with American Cementing. Pressure tested lines to 5000 psi. Pumped 60 bblsEZ Spacer @11.0 ppg. Pumped Lead Cement: 281.1 bbls 667 sx) ASTM Type I/II at 12.4 ppg, 2.37 ft3/sk, 13.38 gal H2O/sk. Pumped Tail Cement: 484.5 bbls (1,739 sx) Class G Cement at 13.3 ppg, 1.57 ft3/sk, 7.68 gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 367 bbls FW with cement retarder in 1st 50 bbls. FCP at 2,216-- psi Bump Plug at 4.0 bpm to 3,123- psi. Bled back 3.5 Bbls and floats held. Cement From 0600 To 12:00 - 10/17/2022 Top of Tail: Calculated 4,911 ft MD. Top of Lead: Surface Cement Back 40 BBL, Calculated Back 57 bbl's 10/17/2022-Released Rig @ 16:30

Well Name: RINCON UNIT	Well Location: T27N / R6W / SEC 21 / NENE / 36.563928 / -107.467888	County or Parish/State: RIO ARRIBA / NM
Well Number: 715H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NMSF0079366, NMSF079366	Unit or CA Name: RINCON UNIT-- STATE	Unit or CA Number: NMNM78406X
US Well Number: 3003931374	Well Status: Drilling Well	Operator: ENDURING RESOURCES LLC

SR Attachments

Actual Procedure

4_production_casing_RINCON_UNIT_715H_20221019102053.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: KAYLA WHITE	Signed on: OCT 19, 2022 10:21 AM
Name: ENDURING RESOURCES LLC	
Title: Staff Engineer	
Street Address: 9446 CLERMONT ST	
City: THORNTON	State: CO
Phone: (720) 768-3575	
Email address: KWHITE@CDHCONSULT.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 10/19/2022
Signature: Kenneth Rennick	

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 163826

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 163826
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 163826

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 163826
	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