

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 NW	
⁴ API Number 30-043-21317	⁵ Pool Name Rusty Gallup		⁶ Pool Code 52860
⁷ Property Code 322151	⁸ Property Name S Escavada Unit		⁹ Well Number #351H

II. ¹⁰ Surface Location

UL or lot no. I	Section 27	Township 22N	Range 7W	Lot Idn	Feet from the 2087'	North/South Line South	Feet from the 417'	East/West line East	County Sandoval
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¹¹ Bottom Hole Location

UL or lot no. L	Section 22	Township 22N	Range 7W	Lot Idn	Feet from the 1625'	North/South line South	Feet from the 176'	East/West line West	County Sandoval
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 3/20/2022		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 11/11/2021	²² Ready Date 3/20/2022	²³ TD 11697' MD 4652' TVD	²⁴ PBDT 11586' MD 4652' TVD	²⁵ Perforations ~ 5083'-11586' MD ~ 4616'-4652' TVD	²⁶ DHC, MC R-14347	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17-1/2"		13-3/8",54.5#, J-55		366' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2660' MD		670 sx- surface
8-1/2"		5-1/2",17#, P-110		11697' MD		1464 sx- surface
8-1/2"		2-7/8",6.5#, L-80		4818' MD		NA

V. Well Test Data

³¹ Date New Oil 3/26/2022	³² Gas Delivery Date 3/25/2022	³³ Test Date 3/26/2022	³⁴ Test Length 24 hour	³⁵ Tbg. Pressure 289	³⁶ Csg. Pressure 564
³⁷ Choke Size 64/64"	³⁸ Oil 232	³⁹ Water 447	⁴⁰ Gas 447		⁴¹ Test Method F

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 	OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ
Printed name: Kayla White	Title: PETROLEUM SPECIALIST
Title: Associate Consultant, Environmental Engineer	Approval Date: 3/24/2023
E-mail Address: Kayla.N.White@wsp.com	
Date: 4/26/2022	Phone: 720-384-6452



ENDURING RESOURCES IV LLC

April 26, 2022

Re: S ESCAVADA UNIT 351H-30-043-21317

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 that reads "Heather Huntington". The signature is fluid and cursive, with the first name "Heather" being more prominent than the last name "Huntington".

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

1625 N. French Drive, Hobbs, NM 88240
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1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462**State of New Mexico**
Energy, Minerals & Natural Resources DepartmentForm **Page 3 of 23**
Revised August 1, 2011Submit one copy to
Appropriate District Office**OIL CONSERVATION DIVISION**
1220 South St. Francis Drive
Santa Fe, NM 87505☐ AMENDED REPORT**AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-043-21317	² Pool Code 52860	³ Pool Name RUSTY GALLUP OIL POOL
⁴ Property Code 322151	⁵ Property Name S ESCAVADA UNIT	⁶ Well Number 351H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6749'

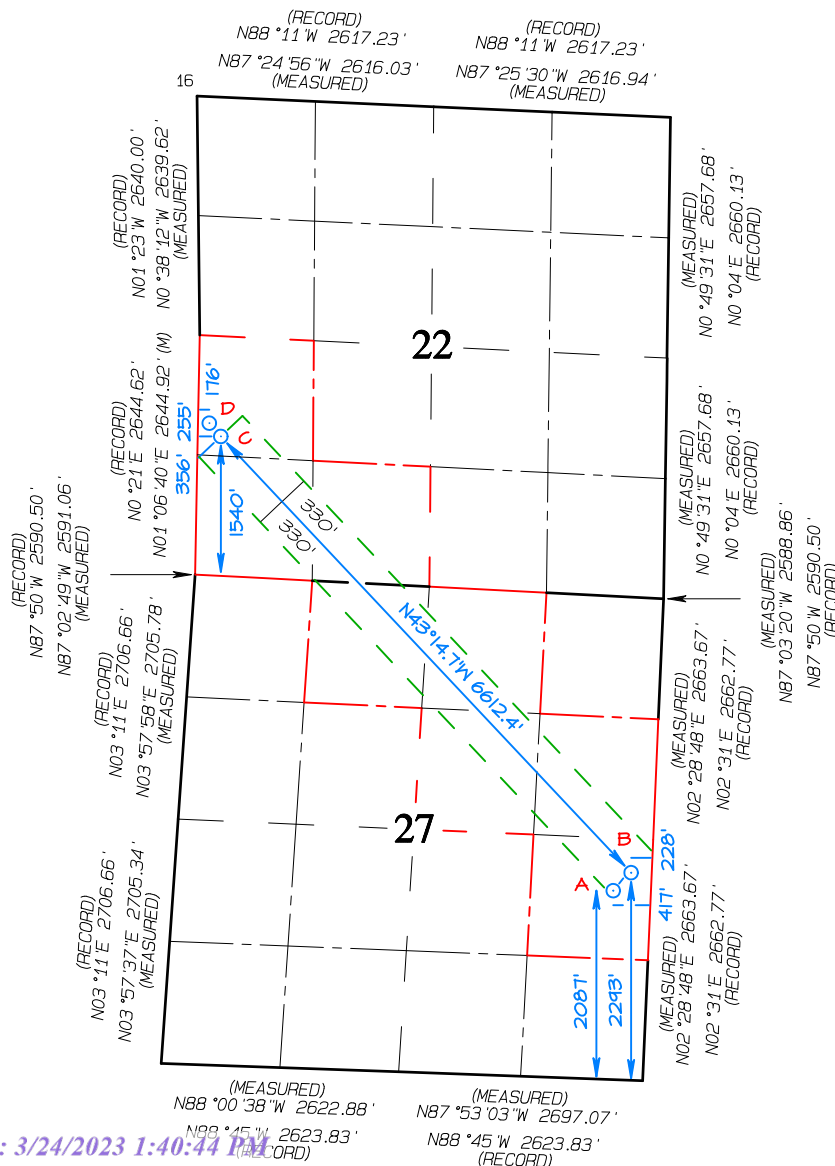
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	27	22N	7W		2087	SOUTH	417	EAST	SANDOVAL

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
L	22	22N	7W		1625	SOUTH	176	WEST	SANDOVAL

¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14347
NE/4 NW/4, W/2 NE/4 SE/4 NE/4, NE/4 SE/4 - Section 27 W/2 SW/4, SE/4 SW/4 - Section 22			

NO ALLOWABLE WILL BE ASSIGNED
TO THIS COMPLETION UNTIL ALL
INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS
BEEN APPROVED BY THE DIVISIONEND-OF-LATERAL (D)
1625' FSL 176' FWL
SEC 22, T22N, R7W
LAT: 36.122267°N
LONG: 107.570162°W
DATUM: NAD1927LAT: 36.122282°N
LONG: 107.570770°W
DATUM: NAD1983**N40°54.6'W 117.0'**LAST TAKE POINT (C)
(FRAC SLEEVE)
1540' FSL 255' FWL
SEC 22, T22N, R7W
LAT: 36.122027°N
LONG: 107.569899°W
DATUM: NAD1927LAT: 36.122042°N
LONG: 107.570506°W
DATUM: NAD1983**N43°14.7'W 6612.4'**FIRST TAKE POINT (B)
2293' FSL 228' FEL
SEC 27, T22N, R7W
LAT: 36.108966°N
LONG: 107.554345°W
DATUM: NAD1927LAT: 36.108981°N
LONG: 107.554951°W
DATUM: NAD1983**N44°48.7'E 280.4'**SURFACE LOCATION (A)
2087' FSL 417' FEL
SEC 27, T22N, R7W
LAT: 36.108412°N
LONG: 107.555004°W
DATUM: NAD1927LAT: 36.108428°N
LONG: 107.555611°W
DATUM: NAD1983¹⁷ OPERATOR CERTIFICATION

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

Signature: *Heather Huntington* Date: 6/13/22Printed Name: Heather Huntington
Email Address: 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: JUNE 13, 2022
Date of Survey: MAY 1, 2017

Signature and Seal of Professional Surveyor

**JASON C. EDWARDS**
Certificate Number 15269

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

District II
811 S. First Street, Artesia, NM 88210
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District IV
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Phone: (505) 476-3460 Fax: (505) 476-3462

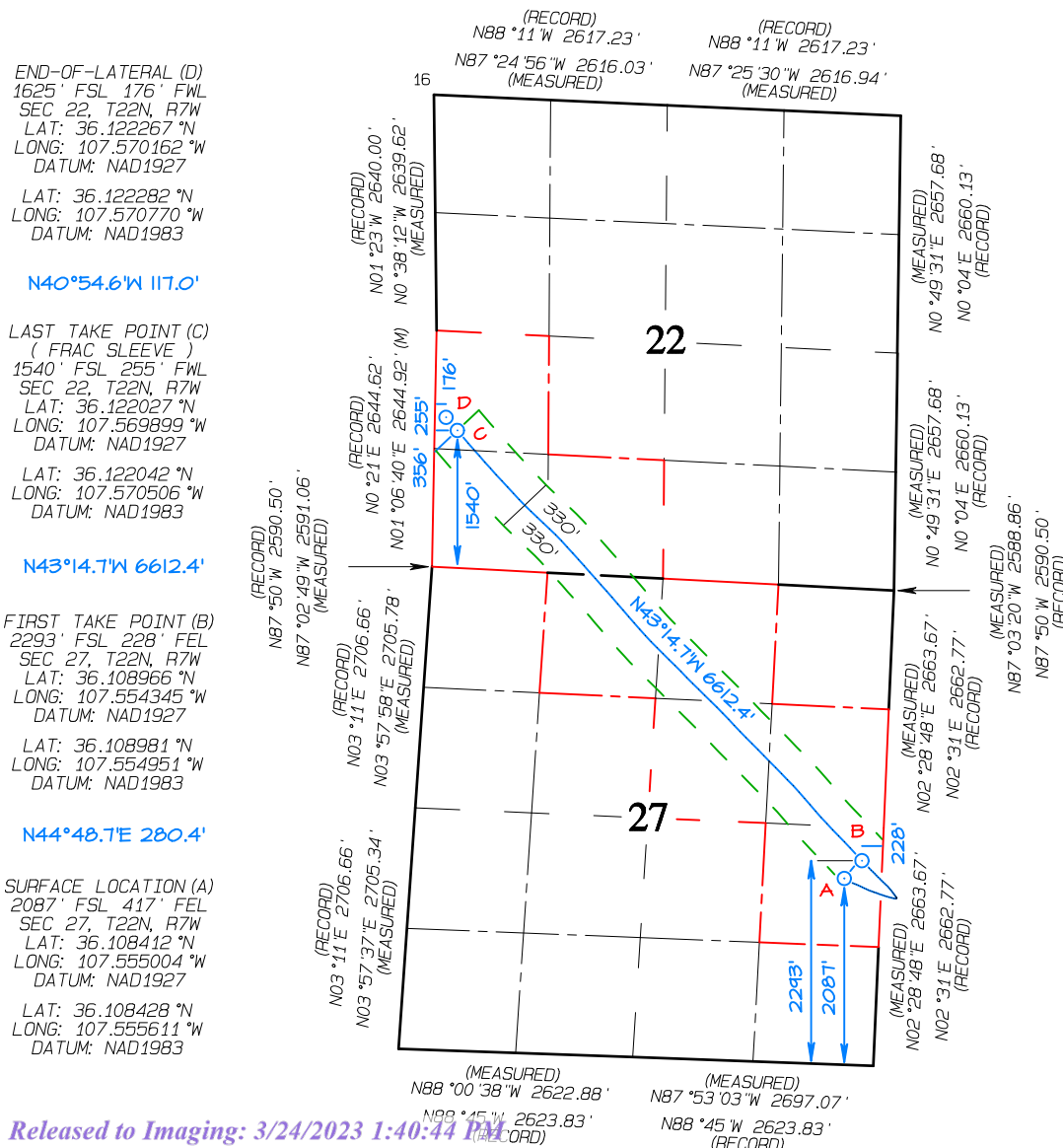
OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-043-21317		² Pool Code 52860		³ Pool Name RUSTY GALLUP OIL POOL	
⁴ Property Code 322151		⁵ Property Name S ESCAVADA UNIT			⁶ Well Number 351H
⁷ OGRID No. 372286		⁸ Operator Name ENDURING RESOURCES, LLC			⁹ Elevation 6749 '



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17 OPERATOR CERTIFICATION	
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	6/13/22
Signature	Date
Heather Huntington	
Printed Name	
hhuntington@enduringresources.com	
E-mail Address	

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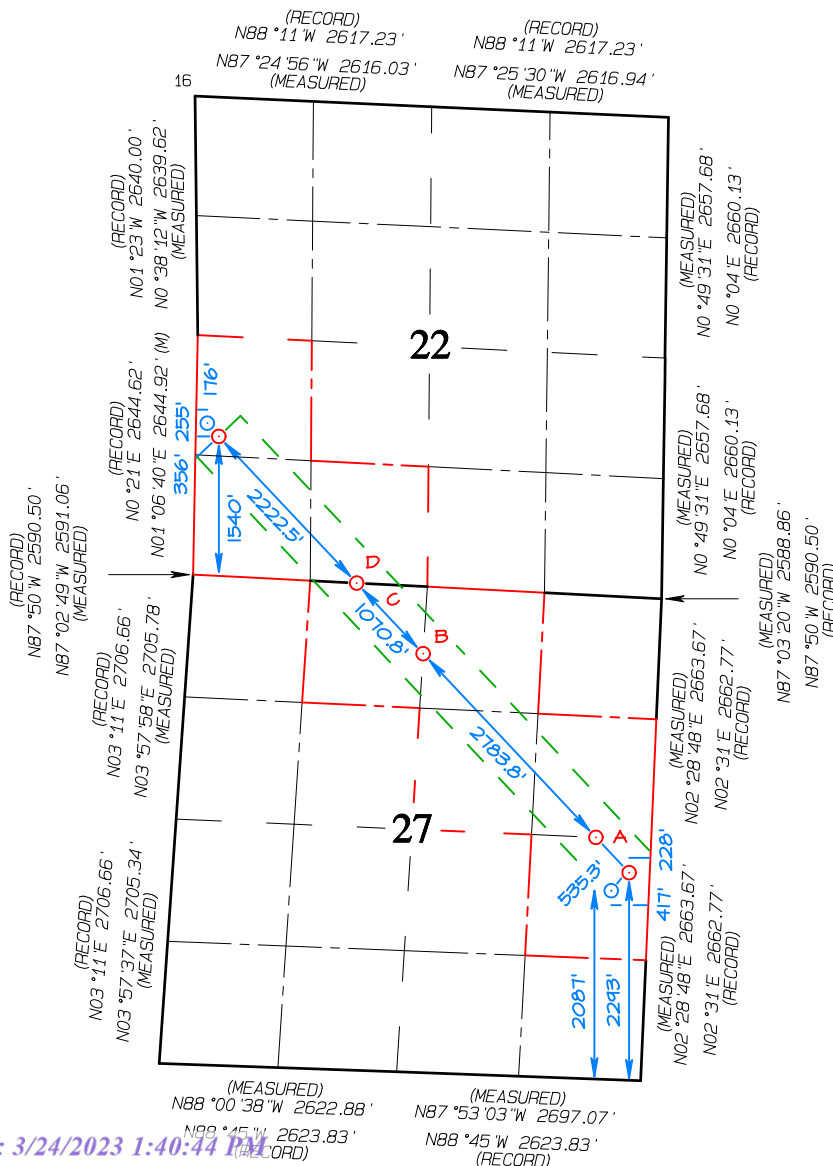
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INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS
BEEN APPROVED BY THE DIVISION(D) 0' FSL 1809' FWL
SEC 22, T22N, R7W
LAT: 36.117637°N
LONG: 107.564670°W
DATUM: NAD1927LAT: 36.117652°N
LONG: 107.565277°W
DATUM: NAD1983(C) 0' FNL 1809' FWL
SEC 27, T22N, R7W
LAT: 36.117637°N
LONG: 107.564670°W
DATUM: NAD1927LAT: 36.117652°N
LONG: 107.565277°W
DATUM: NAD1983(B) 741' FNL 2604' FEL
SEC 27, T22N, R7W
LAT: 36.115522°N
LONG: 107.562151°W
DATUM: NAD1927LAT: 36.115537°N
LONG: 107.562758°W
DATUM: NAD1983(A) 2668' FSL 611' FEL
SEC 27, T22N, R7W
LAT: 36.110023°N
LONG: 107.555603°W
DATUM: NAD1927LAT: 36.110039°N
LONG: 107.556210°W
DATUM: NAD1983¹⁷ OPERATOR CERTIFICATION

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Signature: *Heather Huntington* Date: 6/13/22

Printed Name: Heather Huntington

E-mail Address: hhuntington@enduringresources.com

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Date Revised: JUNE 13, 2022
Date of Survey: MAY 1, 2017

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Well: S Escavada Unit 351 H
Site: S Escavada Unit
Project: Sandoval County, New Mexico NAD83 NM C
Design: Surveys Original Hole
Rig: Ensign 773

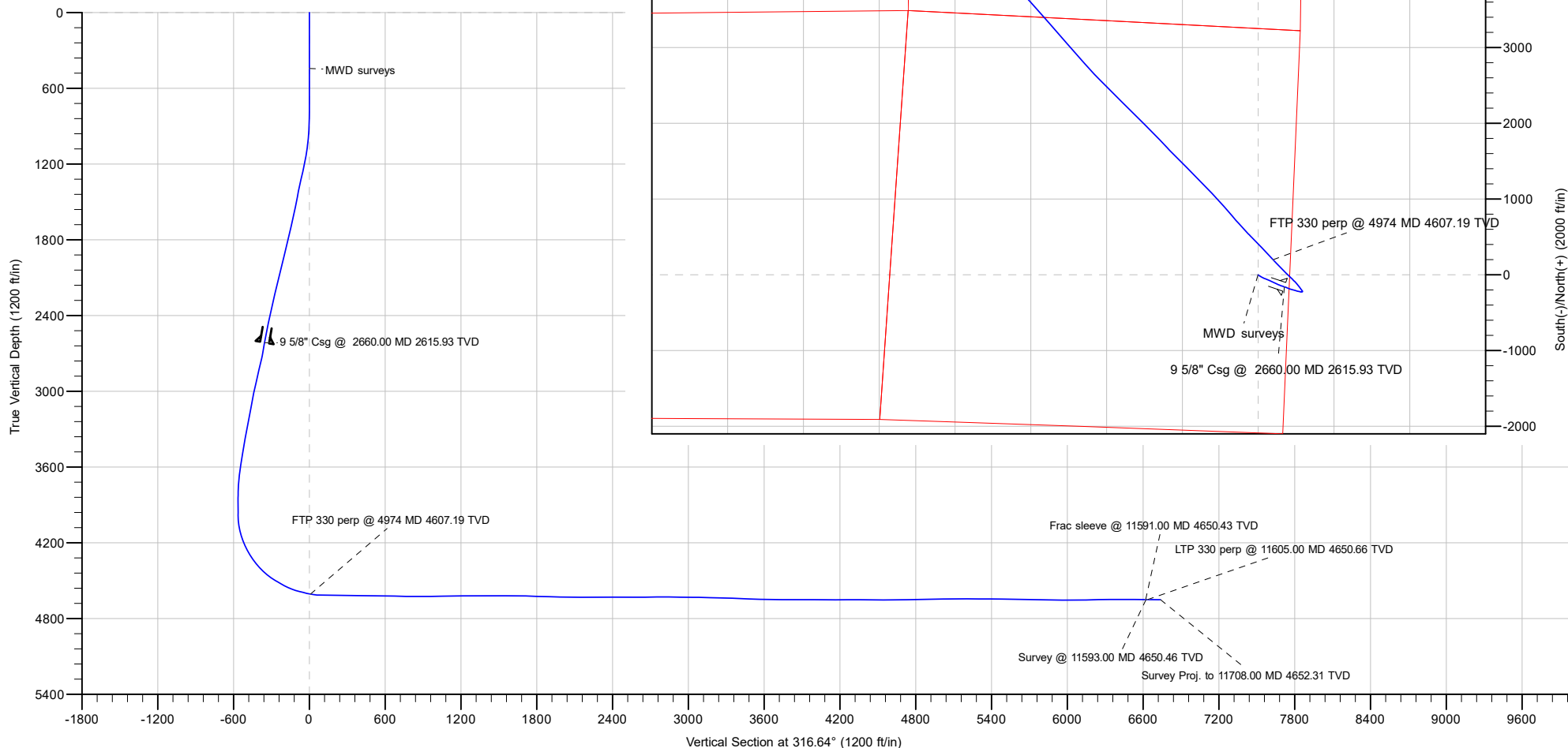
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Central Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6749+28 @ 6777.00ft (Ensign 773)
Surface location:
Northing: 1861322.426 Easting: 1254758.884 Latitude: 36.108428000 Longitude: -107.555611000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 9.428°



Azimuths to Grid North
True North: 0.77°
Magnetic North: 9.43°

Magnetic Field
Strength: 49215.3nT
Dip Angle: 62.68°
Date: 12/9/2021
Model: IGRF2020



ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
443.00	0.13	254.49	443.00	-0.13	-0.48	0.23	MWD surveys
2660.00	11.22	108.70	2615.93	-158.42	346.90	-353.36	9 5/8" Csg @ 2660.00 MD 2615.93 TVD
4974.00	79.44	315.93	4607.19	198.76	197.59	8.85	FTP 330 perp @ 4974 MD 4607.19 TVD
11591.00	89.09	319.10	4650.43	5015.50	-4332.69	6621.28	Frac sleeve @ 11591.00 MD 4650.43 TVD
11593.00	89.08	319.09	4650.46	5017.01	-4334.00	6623.28	Survey @ 11593.00 MD 4650.46 TVD
11605.00	89.08	319.09	4650.66	5026.08	-4341.86	6635.27	LTP 330 perp @ 11605.00 MD 4650.66 TVD
11708.00	89.08	319.09	4652.31	5103.91	-4409.30	6738.16	Survey Proj. to 11708.00 MD 4652.31 TVD



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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

Site		S Escavada Unit			
Site Position:		Northing:	1,862,785.000 usft	Latitude:	36.112549000
From:	Lat/Long	Easting:	1,257,590.214 usft	Longitude:	-107.546094000
Position Uncertainty:		0.00 ft	Slot Radius:	13-3/16 "	

Well		S Escavada Unit 351 H, Surf loc: 2087 FSL 417 FEL Section 27-T22N-R07W				
Well Position	+N/-S	0.00 ft	Northing:	1,861,322.425 usft	Latitude:	36.108428000
	+E/-W	0.00 ft	Easting:	1,254,758.884 usft	Longitude:	-107.555611000
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,749.00 ft
Grid Convergence:	-0.770 °					

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/9/2021	8.659	62.677	49,215.26080446

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	316.64	

Survey Program	Date	1/7/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
443.00	2,600.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,695.00	11,593.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
11,708.00	11,708.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
443.00	0.13	254.49	443.00	-0.13	-0.48	0.23	0.03	0.03	0.00	
MWD surveys										
504.00	0.22	224.87	504.00	-0.24	-0.63	0.26	0.20	0.15	-48.56	
596.00	0.40	226.01	596.00	-0.58	-0.99	0.25	0.20	0.20	1.24	
686.00	0.57	212.13	685.99	-1.18	-1.45	0.14	0.23	0.19	-15.42	
778.00	0.26	228.21	777.99	-1.71	-1.85	0.03	0.36	-0.34	17.48	
869.00	1.27	140.50	868.98	-2.62	-1.36	-0.97	1.41	1.11	-96.38	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
961.00	4.13	123.71	960.87	-5.25	2.04	-5.22	3.19	3.11	-18.25
1,051.00	7.16	115.36	1,050.43	-9.45	9.81	-13.60	3.48	3.37	-9.28
1,141.00	10.55	117.20	1,139.34	-15.62	22.21	-26.60	3.78	3.77	2.04
1,236.00	13.67	119.40	1,232.22	-25.11	39.73	-45.53	3.32	3.28	2.32
1,330.00	13.32	117.56	1,323.62	-35.57	59.00	-66.37	0.59	-0.37	-1.96
1,424.00	11.60	113.78	1,415.41	-44.39	77.25	-85.32	2.02	-1.83	-4.02
1,519.00	13.45	112.90	1,508.14	-52.55	96.17	-104.23	1.96	1.95	-0.93
1,613.00	13.45	112.81	1,599.56	-61.04	116.32	-124.24	0.02	0.00	-0.10
1,708.00	12.17	112.02	1,692.20	-69.08	135.79	-143.45	1.36	-1.35	-0.83
1,803.00	14.46	113.78	1,784.64	-77.61	155.93	-163.49	2.45	2.41	1.85
1,897.00	15.56	115.10	1,875.43	-87.69	178.09	-186.03	1.23	1.17	1.40
1,992.00	15.21	114.57	1,967.03	-98.28	200.96	-209.43	0.40	-0.37	-0.56
2,086.00	14.90	114.83	2,057.80	-108.48	223.14	-232.08	0.34	-0.33	0.28
2,180.00	14.19	115.18	2,148.79	-118.46	244.53	-254.02	0.76	-0.76	0.37
2,275.00	13.89	115.36	2,240.95	-128.30	265.38	-275.48	0.32	-0.32	0.19
2,369.00	14.15	110.17	2,332.15	-137.09	286.36	-296.28	1.37	0.28	-5.52
2,463.00	13.75	109.21	2,423.38	-144.73	307.69	-316.48	0.49	-0.43	-1.02
2,557.00	11.87	109.65	2,515.03	-151.66	327.35	-335.01	2.00	-2.00	0.47
2,600.00	11.69	109.03	2,557.13	-154.57	335.63	-342.82	0.51	-0.42	-1.44
2,660.00	11.22	108.70	2,615.93	-158.42	346.90	-353.36	0.80	-0.79	-0.54
9 5/8" Csg @ 2660.00 MD 2615.93 TVD									
2,695.00	10.94	108.50	2,650.28	-160.56	353.28	-359.29	0.80	-0.79	-0.58
2,788.00	14.46	112.64	2,740.99	-167.84	372.37	-377.69	3.91	3.78	4.45
2,883.00	14.55	109.56	2,832.97	-176.40	394.56	-399.15	0.82	0.09	-3.24
2,977.00	14.06	109.30	2,924.05	-184.12	416.46	-419.80	0.53	-0.52	-0.28
3,071.00	13.32	108.42	3,015.38	-191.32	437.51	-439.49	0.82	-0.79	-0.94
3,166.00	12.26	106.83	3,108.02	-197.70	457.55	-457.88	1.18	-1.12	-1.67
3,261.00	12.04	105.25	3,200.90	-203.23	476.77	-475.09	0.42	-0.23	-1.66
3,373.00	13.10	106.31	3,310.21	-209.86	500.22	-496.02	0.97	0.95	0.95
3,468.00	11.69	103.76	3,402.99	-215.18	519.90	-513.40	1.59	-1.48	-2.68
3,562.00	10.94	102.00	3,495.17	-219.29	537.88	-528.73	0.88	-0.80	-1.87
3,657.00	10.59	104.11	3,588.49	-223.30	555.16	-543.51	0.55	-0.37	2.22
3,751.00	7.69	94.18	3,681.30	-225.86	569.81	-555.44	3.50	-3.09	-10.56
3,845.00	4.92	78.71	3,774.73	-225.53	580.04	-562.22	3.43	-2.95	-16.46
3,940.00	1.76	50.76	3,869.56	-223.81	585.17	-564.49	3.65	-3.33	-29.42
4,034.00	2.77	3.74	3,963.49	-220.63	586.43	-563.04	2.16	1.07	-50.02
4,065.00	2.37	3.30	3,994.46	-219.24	586.52	-562.09	1.29	-1.29	-1.42
4,097.00	3.03	344.49	4,026.42	-217.77	586.33	-560.89	3.43	2.06	-58.78
4,129.00	6.99	327.26	4,058.30	-215.31	585.05	-558.23	13.10	12.38	-53.84
4,160.00	10.99	322.69	4,088.91	-211.38	582.24	-553.44	13.10	12.90	-14.74
4,192.00	14.50	321.64	4,120.12	-205.81	577.90	-546.41	10.99	10.97	-3.28
4,223.00	17.93	322.08	4,149.88	-199.00	572.56	-537.79	11.07	11.06	1.42
4,254.00	21.23	323.66	4,179.08	-190.71	566.30	-527.47	10.78	10.65	5.10
4,285.00	24.35	324.36	4,207.66	-180.99	559.25	-515.56	10.10	10.06	2.26



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,317.00	26.59	323.92	4,236.55	-169.84	551.19	-501.92	7.02	7.00	-1.38
4,348.00	28.70	323.22	4,264.01	-158.27	542.64	-487.64	6.89	6.81	-2.26
4,379.00	31.16	322.17	4,290.87	-145.97	533.27	-472.26	8.11	7.94	-3.39
4,411.00	33.00	320.94	4,317.98	-132.67	522.70	-455.33	6.10	5.75	-3.84
4,443.00	35.82	319.18	4,344.38	-118.81	511.08	-437.28	9.34	8.81	-5.50
4,474.00	38.85	317.95	4,369.03	-104.72	498.64	-418.49	10.07	9.77	-3.97
4,505.00	41.75	316.81	4,392.67	-89.97	485.06	-398.45	9.65	9.35	-3.68
4,537.00	45.13	314.87	4,415.90	-74.20	469.72	-376.45	11.35	10.56	-6.06
4,569.00	48.03	313.88	4,437.89	-57.95	453.11	-353.23	9.34	9.06	-3.09
4,601.00	50.98	313.38	4,458.67	-41.16	435.50	-328.93	9.29	9.22	-1.56
4,632.00	54.49	313.64	4,477.44	-24.18	417.61	-304.30	11.34	11.32	0.84
4,664.00	58.54	314.52	4,495.09	-5.61	398.44	-277.64	12.86	12.66	2.75
4,695.00	60.91	315.22	4,510.72	13.27	379.47	-250.89	7.89	7.65	2.26
4,726.00	60.73	315.66	4,525.83	32.56	360.48	-223.83	1.37	-0.58	1.42
4,758.00	60.82	315.14	4,541.46	52.44	340.87	-195.91	1.45	0.28	-1.63
4,790.00	64.69	314.78	4,556.10	72.54	320.74	-167.47	12.14	12.09	-1.13
4,821.00	69.52	315.14	4,568.16	92.72	300.54	-138.94	15.62	15.58	1.16
4,853.00	73.34	315.49	4,578.35	114.28	279.22	-108.62	11.98	11.94	1.09
4,884.00	75.54	315.84	4,586.66	135.64	258.35	-78.76	7.18	7.10	1.13
4,915.00	76.11	316.45	4,594.26	157.31	237.52	-48.70	2.65	1.84	1.97
4,947.00	77.04	315.93	4,601.69	179.77	215.98	-17.58	3.31	2.91	-1.63
4,974.00	79.44	315.93	4,607.19	198.76	197.59	8.85	8.90	8.90	0.00
FTP 330 perp @ 4974 MD 4607.19 TVD									
4,978.00	79.80	315.93	4,607.91	201.59	194.86	12.78	8.90	8.90	0.00
5,010.00	83.63	316.72	4,612.52	224.49	172.99	44.44	12.22	11.97	2.47
5,042.00	86.79	316.98	4,615.19	247.75	151.19	76.33	9.91	9.88	0.81
5,073.00	89.47	317.60	4,616.20	270.52	130.17	107.31	8.87	8.65	2.00
5,168.00	89.82	317.51	4,616.79	340.62	66.06	202.29	0.38	0.37	-0.09
5,262.00	89.47	316.28	4,617.37	409.24	1.83	296.29	1.36	-0.37	-1.31
5,356.00	88.51	313.99	4,619.03	475.85	-64.47	390.23	2.64	-1.02	-2.44
5,451.00	89.30	317.07	4,620.85	543.63	-131.00	485.18	3.35	0.83	3.24
5,545.00	89.21	317.24	4,622.07	612.54	-194.91	579.17	0.20	-0.10	0.18
5,640.00	88.99	317.33	4,623.56	682.33	-259.35	674.15	0.25	-0.23	0.09
5,734.00	89.38	318.91	4,624.90	752.31	-322.09	768.11	1.73	0.41	1.68
5,829.00	89.69	320.14	4,625.67	824.57	-383.75	862.99	1.34	0.33	1.29
5,924.00	90.88	318.47	4,625.20	896.59	-445.69	957.88	2.16	1.25	-1.76
6,018.00	90.70	319.18	4,623.90	967.34	-507.57	1,051.80	0.78	-0.19	0.76
6,112.00	90.84	315.84	4,622.64	1,036.64	-571.05	1,145.77	3.56	0.15	-3.55
6,207.00	91.19	315.75	4,620.95	1,104.73	-637.28	1,240.74	0.38	0.37	-0.09
6,302.00	89.87	315.84	4,620.07	1,172.83	-703.51	1,335.72	1.39	-1.39	0.09
6,396.00	89.69	315.75	4,620.44	1,240.21	-769.05	1,429.71	0.21	-0.19	-0.10
6,491.00	89.69	315.31	4,620.95	1,308.00	-835.60	1,524.69	0.46	0.00	-0.46
6,585.00	90.13	316.28	4,621.10	1,375.39	-901.14	1,618.68	1.13	0.47	1.03



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,679.00	88.51	315.31	4,622.21	1,442.76	-966.67	1,712.66	2.01	-1.72	-1.03
6,773.00	88.29	315.14	4,624.84	1,509.46	-1,032.85	1,806.60	0.30	-0.23	-0.18
6,868.00	88.42	315.14	4,627.56	1,576.78	-1,099.83	1,901.52	0.14	0.14	0.00
6,962.00	88.33	315.22	4,630.23	1,643.43	-1,166.06	1,995.46	0.13	-0.10	0.09
7,056.00	90.31	317.68	4,631.35	1,711.54	-1,230.82	2,089.44	3.36	2.11	2.62
7,151.00	90.04	316.37	4,631.06	1,781.05	-1,295.57	2,184.43	1.41	-0.28	-1.38
7,246.00	89.47	315.57	4,631.46	1,849.35	-1,361.60	2,279.42	1.03	-0.60	-0.84
7,340.00	90.48	315.22	4,631.50	1,916.27	-1,427.61	2,373.40	1.14	1.07	-0.37
7,435.00	89.60	314.34	4,631.44	1,983.19	-1,495.04	2,468.35	1.31	-0.93	-0.93
7,530.00	89.91	314.78	4,631.84	2,049.84	-1,562.73	2,563.28	0.57	0.33	0.46
7,625.00	89.96	314.34	4,631.95	2,116.50	-1,630.42	2,658.22	0.47	0.05	-0.46
7,719.00	91.45	314.26	4,630.79	2,182.14	-1,697.68	2,752.13	1.59	1.59	-0.09
7,813.00	88.95	315.93	4,630.47	2,248.71	-1,764.03	2,846.09	3.20	-2.66	1.78
7,907.00	89.65	316.36	4,631.61	2,316.49	-1,829.15	2,940.08	0.87	0.74	0.46
8,002.00	89.69	314.34	4,632.16	2,384.07	-1,895.91	3,035.05	2.13	0.04	-2.13
8,096.00	87.76	314.08	4,634.25	2,449.60	-1,963.27	3,128.93	2.07	-2.05	-0.28
8,190.00	88.90	315.84	4,636.99	2,515.99	-2,029.75	3,222.85	2.23	1.21	1.87
8,285.00	88.64	315.05	4,639.03	2,583.67	-2,096.39	3,317.80	0.88	-0.27	-0.83
8,380.00	87.10	315.31	4,642.56	2,651.00	-2,163.30	3,412.70	1.64	-1.62	0.27
8,474.00	88.42	318.04	4,646.24	2,719.33	-2,227.74	3,506.62	3.22	1.40	2.90
8,568.00	88.20	318.12	4,649.01	2,789.24	-2,290.52	3,600.55	0.25	-0.23	0.09
8,663.00	89.82	318.74	4,650.65	2,860.30	-2,353.54	3,695.49	1.83	1.71	0.65
8,757.00	90.00	319.09	4,650.80	2,931.15	-2,415.32	3,789.41	0.42	0.19	0.37
8,852.00	89.78	319.44	4,650.98	3,003.13	-2,477.31	3,884.31	0.44	-0.23	0.37
8,946.00	89.34	319.00	4,651.70	3,074.31	-2,538.70	3,978.21	0.66	-0.47	-0.47
9,041.00	89.47	319.71	4,652.69	3,146.39	-2,600.58	4,073.10	0.76	0.14	0.75
9,135.00	90.53	318.30	4,652.69	3,217.33	-2,662.24	4,167.02	1.88	1.13	-1.50
9,230.00	90.53	318.56	4,651.81	3,288.41	-2,725.27	4,261.97	0.27	0.00	0.27
9,324.00	89.65	318.30	4,651.66	3,358.73	-2,787.65	4,355.92	0.98	-0.94	-0.28
9,419.00	89.43	318.56	4,652.43	3,429.80	-2,850.68	4,450.87	0.36	-0.23	0.27
9,513.00	88.86	318.65	4,653.83	3,500.31	-2,912.83	4,544.80	0.61	-0.61	0.10
9,608.00	91.14	316.98	4,653.83	3,570.70	-2,976.62	4,639.78	2.97	2.40	-1.76
9,703.00	91.71	318.30	4,651.47	3,640.87	-3,040.61	4,734.73	1.51	0.60	1.39
9,797.00	91.36	318.21	4,648.95	3,710.98	-3,103.17	4,828.66	0.38	-0.37	-0.10
9,892.00	91.01	316.45	4,646.98	3,780.81	-3,167.54	4,923.63	1.89	-0.37	-1.85
9,986.00	90.26	314.08	4,645.94	3,847.58	-3,233.69	5,017.59	2.64	-0.80	-2.52
10,081.00	90.26	313.47	4,645.51	3,913.30	-3,302.29	5,112.47	0.64	0.00	-0.64
10,176.00	89.78	313.55	4,645.48	3,978.71	-3,371.19	5,207.32	0.51	-0.51	0.08
10,270.00	90.04	313.99	4,645.62	4,043.73	-3,439.07	5,301.21	0.54	0.28	0.47
10,365.00	89.08	312.50	4,646.35	4,108.81	-3,508.26	5,396.03	1.87	-1.01	-1.57
10,459.00	89.60	316.45	4,647.44	4,174.65	-3,575.32	5,489.94	4.24	0.55	4.20
10,553.00	89.30	316.19	4,648.34	4,242.63	-3,640.23	5,583.93	0.42	-0.32	-0.28
10,648.00	89.03	317.16	4,649.72	4,311.73	-3,705.41	5,678.92	1.06	-0.28	1.02



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,743.00	88.73	316.98	4,651.58	4,381.28	-3,770.10	5,773.90	0.37	-0.32	-0.19	
10,837.00	88.07	317.16	4,654.21	4,450.07	-3,834.10	5,867.86	0.73	-0.70	0.19	
10,932.00	90.00	317.33	4,655.81	4,519.82	-3,898.58	5,962.84	2.04	2.03	0.18	
11,026.00	91.41	318.30	4,654.65	4,589.46	-3,961.70	6,056.81	1.82	1.50	1.03	
11,120.00	91.19	318.39	4,652.52	4,659.68	-4,024.16	6,150.74	0.25	-0.23	0.10	
11,215.00	90.79	318.65	4,650.87	4,730.84	-4,087.07	6,245.68	0.50	-0.42	0.27	
11,310.00	90.53	319.09	4,649.78	4,802.39	-4,149.56	6,340.60	0.54	-0.27	0.46	
11,404.00	90.22	319.35	4,649.16	4,873.57	-4,210.95	6,434.50	0.43	-0.33	0.28	
11,499.00	89.56	319.53	4,649.35	4,945.74	-4,272.72	6,529.39	0.72	-0.69	0.19	
11,591.00	89.09	319.10	4,650.43	5,015.50	-4,332.69	6,621.28	0.69	-0.51	-0.47	
Frac sleeve @ 11591.00 MD 4650.43 TVD										
11,593.00	89.08	319.09	4,650.46	5,017.01	-4,334.00	6,623.28	0.69	-0.51	-0.47	
Survey @ 11593.00 MD 4650.46 TVD										
11,605.00	89.08	319.09	4,650.66	5,026.08	-4,341.86	6,635.27	0.00	0.00	0.00	
LTP 330 perp @ 11605.00 MD 4650.66 TVD										
11,708.00	89.08	319.09	4,652.31	5,103.91	-4,409.30	6,738.16	0.00	0.00	0.00	
Survey Proj. to 11708.00 MD 4652.31 TVD										

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,660.00	2,615.93		9-5/8	12-1/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
443.00	443.00	-0.13	-0.48	MWD surveys
2,660.00	2,615.93	-158.42	346.90	9 5/8" Csg @ 2660.00 MD 2615.93 TVD
4,974.00	4,607.19	198.76	197.59	FTP 330 perp @ 4974 MD 4607.19 TVD
11,591.00	4,650.43	5,015.50	-4,332.69	Frac sleeve @ 11591.00 MD 4650.43 TVD
11,593.00	4,650.46	5,017.01	-4,334.00	Survey @ 11593.00 MD 4650.46 TVD
11,605.00	4,650.66	5,026.08	-4,341.86	LTP 330 perp @ 11605.00 MD 4650.66 TVD
11,708.00	4,652.31	5,103.91	-4,409.30	Survey Proj. to 11708.00 MD 4652.31 TVD

Checked By: _____	Approved By: _____	Date: _____
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Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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

Site	S Escavada Unit		
Site Position:		Northing:	1,862,785.000 usft
From:	Lat/Long	Easting:	1,257,590.214 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.112549000
		Longitude:	-107.546094000
		Grid Convergence:	-0.764 °

Well	S Escavada Unit 351 H, Surf loc: 2087 FSL 417 FEL Section 27-T22N-R07W		
Well Position	+N/-S	0.00 ft	Northing: 1,861,322.425 usft
	+E/-W	0.00 ft	Easting: 1,254,758.884 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.108428000
		Longitude:	-107.555611000
		Ground Level:	6,749.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/9/2021	8.659	62.677	49,215.26080446

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		316.64

Survey Program	Date	1/7/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
443.00	2,600.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,695.00	11,593.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
11,708.00	11,708.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	1,861,322.425	1,254,758.884	36.108428000	-107.555611000	
443.00	0.13	254.49	443.00	-0.13	-0.48	1,861,322.291	1,254,758.400	36.108427613	-107.555612633	
MWD surveys										
504.00	0.22	224.87	504.00	-0.24	-0.63	1,861,322.189	1,254,758.250	36.108427329	-107.555613134	
596.00	0.40	226.01	596.00	-0.58	-0.99	1,861,321.841	1,254,757.895	36.108426359	-107.555614321	
686.00	0.57	212.13	685.99	-1.18	-1.45	1,861,321.244	1,254,757.431	36.108424702	-107.555615865	
778.00	0.26	228.21	777.99	-1.71	-1.85	1,861,320.717	1,254,757.032	36.108423241	-107.555617192	
869.00	1.27	140.50	868.98	-2.62	-1.36	1,861,319.801	1,254,757.519	36.108420744	-107.555615500	
961.00	4.13	123.71	960.87	-5.25	2.04	1,861,317.176	1,254,760.924	36.108413657	-107.555603856	
1,051.00	7.16	115.36	1,050.43	-9.45	9.81	1,861,312.974	1,254,768.690	36.108402403	-107.555577379	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,141.00	10.55	117.20	1,139.34	-15.62	22.21	1,861,306.803	1,254,781.090	36.108385914	-107.555535129
1,236.00	13.67	119.40	1,232.22	-25.11	39.73	1,861,297.315	1,254,798.610	36.108360501	-107.555475401
1,330.00	13.32	117.56	1,323.62	-35.57	59.00	1,861,286.852	1,254,817.887	36.108332476	-107.555409681
1,424.00	11.60	113.78	1,415.41	-44.39	77.25	1,861,278.031	1,254,836.136	36.108308921	-107.555347512
1,519.00	13.45	112.90	1,508.14	-52.55	96.17	1,861,269.879	1,254,855.056	36.108287231	-107.555283107
1,613.00	13.45	112.81	1,599.56	-61.04	116.32	1,861,261.387	1,254,875.203	36.108264651	-107.555214529
1,708.00	12.17	112.02	1,692.20	-69.08	135.79	1,861,253.349	1,254,894.671	36.108243293	-107.555148271
1,803.00	14.46	113.78	1,784.64	-77.61	155.93	1,861,244.811	1,254,914.811	36.108220586	-107.555079718
1,897.00	15.56	115.10	1,875.43	-87.69	178.09	1,861,234.731	1,254,936.969	36.108193716	-107.555004265
1,992.00	15.21	114.57	1,967.03	-98.28	200.96	1,861,224.144	1,254,959.841	36.108165483	-107.554926371
2,086.00	14.90	114.83	2,057.80	-108.48	223.14	1,861,213.942	1,254,982.023	36.108138281	-107.554850828
2,180.00	14.19	115.18	2,148.79	-118.46	244.53	1,861,203.965	1,255,003.418	36.108111668	-107.554777962
2,275.00	13.89	115.36	2,240.95	-128.30	265.38	1,861,194.127	1,255,024.260	36.108085417	-107.554706974
2,369.00	14.15	110.17	2,332.15	-137.09	286.36	1,861,185.332	1,255,045.241	36.108062036	-107.554635561
2,463.00	13.75	109.21	2,423.38	-144.73	307.69	1,861,177.695	1,255,066.576	36.108041847	-107.554563006
2,557.00	11.87	109.65	2,515.03	-151.66	327.35	1,861,170.767	1,255,086.231	36.108023546	-107.554496165
2,600.00	11.69	109.03	2,557.13	-154.57	335.63	1,861,167.860	1,255,094.514	36.108015865	-107.554467998
2,660.00	11.22	108.70	2,615.93	-158.42	346.90	1,861,164.007	1,255,105.788	36.108005698	-107.554429667
9 5/8" Csg @ 2660.00 MD 2615.93 TVD									
2,695.00	10.94	108.50	2,650.28	-160.56	353.28	1,861,161.861	1,255,112.161	36.108000041	-107.554407997
2,788.00	14.46	112.64	2,740.99	-167.84	372.37	1,861,154.589	1,255,131.253	36.107980771	-107.554343049
2,883.00	14.55	109.56	2,832.97	-176.40	394.56	1,861,146.028	1,255,153.445	36.107958077	-107.554267550
2,977.00	14.06	109.30	2,924.05	-184.12	416.46	1,861,138.301	1,255,175.347	36.107937662	-107.554193067
3,071.00	13.32	108.42	3,015.38	-191.32	437.51	1,861,131.106	1,255,196.398	36.107918675	-107.554121494
3,166.00	12.26	106.83	3,108.02	-197.70	457.55	1,861,124.727	1,255,216.435	36.107901895	-107.554053384
3,261.00	12.04	105.25	3,200.90	-203.23	476.77	1,861,119.201	1,255,235.649	36.107887424	-107.553988101
3,373.00	13.10	106.31	3,310.21	-209.86	500.22	1,861,112.563	1,255,259.102	36.107870059	-107.553908423
3,468.00	11.69	103.76	3,402.99	-215.18	519.90	1,861,107.250	1,255,278.784	36.107856193	-107.553841567
3,562.00	10.94	102.00	3,495.17	-219.29	537.88	1,861,103.131	1,255,296.758	36.107845540	-107.553780543
3,657.00	10.59	104.11	3,588.49	-223.30	555.16	1,861,099.128	1,255,314.042	36.107835184	-107.553721862
3,751.00	7.69	94.18	3,681.30	-225.86	569.81	1,861,096.564	1,255,328.696	36.107828680	-107.553672149
3,845.00	4.92	78.71	3,774.73	-225.53	580.04	1,861,096.894	1,255,338.924	36.107829965	-107.553637546
3,940.00	1.76	50.76	3,869.56	-223.81	585.17	1,861,098.615	1,255,344.050	36.107834880	-107.553620273
4,034.00	2.77	3.74	3,963.49	-220.63	586.43	1,861,101.795	1,255,345.316	36.107843661	-107.553616132
4,065.00	2.37	3.30	3,994.46	-219.24	586.52	1,861,103.183	1,255,345.402	36.107847474	-107.553615905
4,097.00	3.03	344.49	4,026.42	-217.77	586.33	1,861,104.658	1,255,345.214	36.107851520	-107.553616608
4,129.00	6.99	327.26	4,058.30	-215.31	585.05	1,861,107.112	1,255,343.934	36.107858212	-107.553621051
4,160.00	10.99	322.69	4,088.91	-211.38	582.24	1,861,111.050	1,255,341.122	36.107868926	-107.553630749
4,192.00	14.50	321.64	4,120.12	-205.81	577.90	1,861,116.619	1,255,336.786	36.107884061	-107.553645678
4,223.00	17.93	322.08	4,149.88	-199.00	572.56	1,861,123.429	1,255,331.443	36.107902566	-107.553664070
4,254.00	21.23	323.66	4,179.08	-190.71	566.30	1,861,131.717	1,255,325.183	36.107925098	-107.553685634
4,285.00	24.35	324.36	4,207.66	-180.99	559.25	1,861,141.434	1,255,318.131	36.107951527	-107.553709942
4,317.00	26.59	323.92	4,236.55	-169.84	551.19	1,861,152.585	1,255,310.069	36.107981855	-107.553737737
4,348.00	28.70	323.22	4,264.01	-158.27	542.64	1,861,164.155	1,255,301.525	36.108013317	-107.553767179
4,379.00	31.16	322.17	4,290.87	-145.97	533.27	1,861,176.453	1,255,292.148	36.108046749	-107.553799475
4,411.00	33.00	320.94	4,317.98	-132.67	522.70	1,861,189.760	1,255,281.578	36.108082906	-107.553835854
4,443.00	35.82	319.18	4,344.38	-118.81	511.08	1,861,203.616	1,255,269.963	36.108120533	-107.553875794
4,474.00	38.85	317.95	4,369.03	-104.72	498.64	1,861,217.704	1,255,257.519	36.108158767	-107.553918555
4,505.00	41.75	316.81	4,392.67	-89.97	485.06	1,861,232.452	1,255,243.939	36.108198773	-107.553965185
4,537.00	45.13	314.87	4,415.90	-74.20	469.72	1,861,248.225	1,255,228.606	36.108241528	-107.554017799
4,569.00	48.03	313.88	4,437.89	-57.95	453.11	1,861,264.474	1,255,211.991	36.108285544	-107.554074770
4,601.00	50.98	313.38	4,458.67	-41.16	435.50	1,861,281.262	1,255,194.378	36.108331001	-107.554135147
4,632.00	54.49	313.64	4,477.44	-24.18	417.61	1,861,298.245	1,255,176.489	36.108376987	-107.554196466
4,664.00	58.54	314.52	4,495.09	-5.61	398.44	1,861,316.811	1,255,157.324	36.108427272	-107.554262175
4,695.00	60.91	315.22	4,510.72	13.27	379.47	1,861,335.699	1,255,138.354	36.108478447	-107.554327241



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,726.00	60.73	315.66	4,525.83	32.56	360.48	1,861,354.983	1,255,119.363	36.108530712	-107.554392394
4,758.00	60.82	315.14	4,541.46	52.44	340.87	1,861,374.868	1,255,099.754	36.108584601	-107.554459665
4,790.00	64.69	314.78	4,556.10	72.54	320.74	1,861,394.966	1,255,079.626	36.108639058	-107.554528705
4,821.00	69.52	315.14	4,568.16	92.72	300.54	1,861,415.140	1,255,059.425	36.108693722	-107.554597992
4,853.00	73.34	315.49	4,578.35	114.28	279.22	1,861,436.704	1,255,038.099	36.108752160	-107.554671153
4,884.00	75.54	315.84	4,586.66	135.64	258.35	1,861,458.063	1,255,017.230	36.108810054	-107.554742757
4,915.00	76.11	316.45	4,594.26	157.31	237.52	1,861,479.737	1,254,996.407	36.108868811	-107.554814222
4,947.00	77.04	315.93	4,601.69	179.77	215.98	1,861,502.197	1,254,974.860	36.108929705	-107.554888172
4,974.00	79.44	315.93	4,607.19	198.76	197.59	1,861,521.188	1,254,956.476	36.108981185	-107.554951258
FTP 330 perp @ 4974 MD 4607.19 TVD									
4,978.00	79.80	315.93	4,607.91	201.59	194.86	1,861,524.015	1,254,953.739	36.108988848	-107.554960649
5,010.00	83.63	316.72	4,612.52	224.49	172.99	1,861,546.914	1,254,931.876	36.109050934	-107.555035686
5,042.00	86.79	316.98	4,615.19	247.75	151.19	1,861,570.176	1,254,910.071	36.109114018	-107.555110548
5,073.00	89.47	317.60	4,616.20	270.52	130.17	1,861,592.940	1,254,889.057	36.109175765	-107.555182706
5,168.00	89.82	317.51	4,616.79	340.62	66.06	1,861,663.042	1,254,824.945	36.109365932	-107.555402891
5,262.00	89.47	316.28	4,617.37	409.24	1.83	1,861,731.669	1,254,760.714	36.109552044	-107.555623411
5,356.00	88.51	313.99	4,619.03	475.85	-64.47	1,861,798.277	1,254,694.418	36.109732538	-107.555850828
5,451.00	89.30	317.07	4,620.85	543.63	-131.00	1,861,866.050	1,254,627.889	36.109916219	-107.556079092
5,545.00	89.21	317.24	4,622.07	612.54	-194.91	1,861,934.965	1,254,563.973	36.110103132	-107.556298562
5,640.00	88.99	317.33	4,623.56	682.33	-259.35	1,862,004.756	1,254,499.537	36.110292434	-107.556519831
5,734.00	89.38	318.91	4,624.90	752.31	-322.09	1,862,074.733	1,254,436.794	36.110482309	-107.556735382
5,829.00	89.69	320.14	4,625.67	824.57	-383.75	1,862,146.995	1,254,375.131	36.110678496	-107.556947381
5,924.00	90.88	318.47	4,625.20	896.59	-445.69	1,862,219.018	1,254,313.193	36.110874019	-107.557160305
6,018.00	90.70	319.18	4,623.90	967.34	-507.57	1,862,289.765	1,254,251.313	36.111066037	-107.557372970
6,112.00	90.84	315.84	4,622.64	1,036.64	-571.05	1,862,359.064	1,254,187.835	36.111254020	-107.557590983
6,207.00	91.19	315.75	4,620.95	1,104.73	-637.28	1,862,427.154	1,254,121.609	36.111438579	-107.557818242
6,302.00	89.87	315.84	4,620.07	1,172.83	-703.51	1,862,495.250	1,254,055.376	36.111623156	-107.558045523
6,396.00	89.69	315.75	4,620.44	1,240.21	-769.05	1,862,562.633	1,253,989.838	36.111805799	-107.558270426
6,491.00	89.69	315.31	4,620.95	1,308.00	-835.60	1,862,630.425	1,253,923.288	36.111989529	-107.558498769
6,585.00	90.13	316.28	4,621.10	1,375.39	-901.14	1,862,697.808	1,253,857.750	36.112172170	-107.558723672
6,679.00	88.51	315.31	4,622.21	1,442.76	-966.67	1,862,765.184	1,253,792.218	36.112354793	-107.558948553
6,773.00	88.29	315.14	4,624.84	1,509.46	-1,032.85	1,862,831.886	1,253,726.038	36.112535541	-107.559175601
6,868.00	88.42	315.14	4,627.56	1,576.78	-1,099.83	1,862,899.198	1,253,659.055	36.112717931	-107.559405394
6,962.00	88.33	315.22	4,630.23	1,643.43	-1,166.06	1,862,965.847	1,253,592.823	36.112898531	-107.559632616
7,056.00	90.31	317.68	4,631.35	1,711.54	-1,230.82	1,863,033.963	1,253,528.071	36.113083212	-107.559854895
7,151.00	90.04	316.37	4,631.06	1,781.05	-1,295.57	1,863,103.467	1,253,463.313	36.113271707	-107.560077259
7,246.00	89.47	315.57	4,631.46	1,849.35	-1,361.60	1,863,171.769	1,253,397.287	36.113456850	-107.560303864
7,340.00	90.48	315.22	4,631.50	1,916.27	-1,427.61	1,863,238.692	1,253,331.279	36.113638209	-107.560530342
7,435.00	89.60	314.34	4,631.44	1,983.19	-1,495.04	1,863,305.608	1,253,263.848	36.113819492	-107.560761640
7,530.00	89.91	314.78	4,631.84	2,049.84	-1,562.73	1,863,372.265	1,253,196.160	36.114000054	-107.560993797
7,625.00	89.96	314.34	4,631.95	2,116.50	-1,630.42	1,863,438.922	1,253,128.472	36.114180618	-107.561225957
7,719.00	91.45	314.26	4,630.79	2,182.14	-1,697.68	1,863,504.566	1,253,061.204	36.114358414	-107.561456648
7,813.00	88.95	315.93	4,630.47	2,248.71	-1,764.03	1,863,571.136	1,252,994.854	36.114538788	-107.561684273
7,907.00	89.65	316.36	4,631.61	2,316.49	-1,829.15	1,863,638.913	1,252,929.733	36.114722522	-107.561907796
8,002.00	89.69	314.34	4,632.16	2,384.07	-1,895.91	1,863,706.492	1,252,862.974	36.114905651	-107.562136855
8,096.00	87.76	314.08	4,634.25	2,449.60	-1,963.27	1,863,772.018	1,252,795.616	36.115083118	-107.562367850
8,190.00	88.90	315.84	4,636.99	2,515.99	-2,029.75	1,863,838.408	1,252,729.134	36.115262990	-107.562595920
8,285.00	88.64	315.05	4,639.03	2,583.67	-2,096.39	1,863,906.087	1,252,662.498	36.115446395	-107.562824568
8,380.00	87.10	315.31	4,642.56	2,651.00	-2,163.30	1,863,973.424	1,252,595.583	36.115628851	-107.563054150
8,474.00	88.42	318.04	4,646.24	2,719.33	-2,227.74	1,864,041.746	1,252,531.144	36.115814105	-107.563275397
8,568.00	88.20	318.12	4,649.01	2,789.24	-2,290.52	1,864,111.659	1,252,468.370	36.116003789	-107.563491078
8,663.00	89.82	318.74	4,650.65	2,860.30	-2,353.54	1,864,182.720	1,252,405.347	36.116196614	-107.563707660
8,757.00	90.00	319.09	4,650.80	2,931.15	-2,415.32	1,864,253.570	1,252,343.572	36.116388909	-107.563920006
8,852.00	89.78	319.44	4,650.98	3,003.13	-2,477.31	1,864,325.555	1,252,281.579	36.116584310	-107.564133144
8,946.00	89.34	319.00	4,651.70	3,074.31	-2,538.70	1,864,396.731	1,252,220.185	36.116777513	-107.564344220



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,041.00	89.47	319.71	4,652.69	3,146.39	-2,600.58	1,864,468.809	1,252,158.308	36.116973173	-107.564556969
9,135.00	90.53	318.30	4,652.69	3,217.33	-2,662.24	1,864,539.754	1,252,096.648	36.117165731	-107.564768938
9,230.00	90.53	318.56	4,651.81	3,288.41	-2,725.27	1,864,610.825	1,252,033.615	36.117358581	-107.564985559
9,324.00	89.65	318.30	4,651.66	3,358.73	-2,787.65	1,864,681.149	1,251,971.243	36.117549407	-107.565199907
9,419.00	89.43	318.56	4,652.43	3,429.80	-2,850.68	1,864,752.221	1,251,908.210	36.117742259	-107.565416532
9,513.00	88.86	318.65	4,653.83	3,500.31	-2,912.83	1,864,822.728	1,251,846.060	36.117933595	-107.565630140
9,608.00	91.14	316.98	4,653.83	3,570.70	-2,976.62	1,864,893.114	1,251,782.272	36.118124535	-107.565849291
9,703.00	91.71	318.30	4,651.47	3,640.87	-3,040.61	1,864,963.288	1,251,718.283	36.118314886	-107.566069110
9,797.00	91.36	318.21	4,648.95	3,710.98	-3,103.17	1,865,033.398	1,251,655.719	36.118505110	-107.566284105
9,892.00	91.01	316.45	4,646.98	3,780.81	-3,167.54	1,865,103.230	1,251,591.347	36.118694508	-107.566505210
9,986.00	90.26	314.08	4,645.94	3,847.58	-3,233.69	1,865,169.996	1,251,525.197	36.118875414	-107.566732195
10,081.00	90.26	313.47	4,645.51	3,913.30	-3,302.29	1,865,235.718	1,251,456.602	36.119053366	-107.566967407
10,176.00	89.78	313.55	4,645.48	3,978.71	-3,371.19	1,865,301.123	1,251,387.703	36.119230434	-107.567203634
10,270.00	90.04	313.99	4,645.62	4,043.73	-3,439.07	1,865,366.149	1,251,319.824	36.119406497	-107.567436394
10,365.00	89.08	312.50	4,646.35	4,108.81	-3,508.26	1,865,431.231	1,251,250.628	36.119582665	-107.567673615
10,459.00	89.60	316.45	4,647.44	4,174.65	-3,575.32	1,865,497.069	1,251,183.572	36.119760990	-107.567903627
10,553.00	89.30	316.19	4,648.34	4,242.63	-3,640.23	1,865,565.047	1,251,118.656	36.119945271	-107.568126495
10,648.00	89.03	317.16	4,649.72	4,311.73	-3,705.41	1,865,634.149	1,251,053.481	36.120132628	-107.568350292
10,743.00	88.73	316.98	4,651.58	4,381.28	-3,770.10	1,865,703.693	1,250,988.789	36.120321217	-107.568572477
10,837.00	88.07	317.16	4,654.21	4,450.07	-3,834.10	1,865,772.491	1,250,924.790	36.120507783	-107.568792279
10,932.00	90.00	317.33	4,655.81	4,519.82	-3,898.58	1,865,842.233	1,250,860.311	36.120696922	-107.569013756
11,026.00	91.41	318.30	4,654.65	4,589.46	-3,961.70	1,865,911.877	1,250,797.194	36.120885843	-107.569230613
11,120.00	91.19	318.39	4,652.52	4,659.68	-4,024.16	1,865,982.092	1,250,734.734	36.121076356	-107.569445277
11,215.00	90.79	318.65	4,650.87	4,730.84	-4,087.07	1,866,053.254	1,250,671.820	36.121269453	-107.569661522
11,310.00	90.53	319.09	4,649.78	4,802.39	-4,149.56	1,866,124.804	1,250,609.336	36.121463633	-107.569876329
11,404.00	90.22	319.35	4,649.16	4,873.57	-4,210.95	1,866,195.982	1,250,547.941	36.121656827	-107.570087435
11,499.00	89.56	319.53	4,649.35	4,945.74	-4,272.72	1,866,268.155	1,250,486.168	36.121852743	-107.570299865
11,591.00	89.09	319.10	4,650.43	5,015.50	-4,332.69	1,866,337.913	1,250,426.198	36.122042093	-107.570506085
Frac sleeve @ 11591.00 MD 4650.43 TVD									
11,593.00	89.08	319.09	4,650.46	5,017.01	-4,334.00	1,866,339.424	1,250,424.888	36.122046195	-107.570510587
Survey @ 11593.00 MD 4650.46 TVD									
11,605.00	89.08	319.09	4,650.66	5,026.08	-4,341.86	1,866,348.492	1,250,417.031	36.122070806	-107.570537603
LTP 330 perp @ 11605.00 MD 4650.66 TVD									
11,708.00	89.08	319.09	4,652.31	5,103.91	-4,409.30	1,866,426.323	1,250,349.588	36.122282047	-107.570769491
Survey Proj. to 11708.00 MD 4652.31 TVD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,660.00	2,615.93		9-5/8	12-1/4



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 351 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 351 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
443.00	443.00	-0.13	-0.48	MWD surveys
2,660.00	2,615.93	-158.42	346.90	9 5/8" Csg @ 2660.00 MD 2615.93 TVD
4,974.00	4,607.19	198.76	197.59	FTP 330 perp @ 4974 MD 4607.19 TVD
11,591.00	4,650.43	5,015.50	-4,332.69	Frac sleeve @ 11591.00 MD 4650.43 TVD
11,593.00	4,650.46	5,017.01	-4,334.00	Survey @ 11593.00 MD 4650.46 TVD
11,605.00	4,650.66	5,026.08	-4,341.86	LTP 330 perp @ 11605.00 MD 4650.66 TVD
11,708.00	4,652.31	5,103.91	-4,409.30	Survey Proj. to 11708.00 MD 4652.31 TVD

WELL NAME: S ESCAVADA UNIT 351H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-H formation

API Number: 30-043-21317

AFE Number: DV03064

ER Well Number: NM08100.01

State: New Mexico

County: Sandoval

Surface Elev.: 6,749 ft ASL (GL) 6,777 ft ASL (KB)

Surface Location: 27-22N-07W Sec-Twn- Rng 2,087 ft FSL 417 ft FEL

BH Location: 22-22N-07W Sec-Twn- Rng 1520 ft FSL 250 ft FWL

Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 48.9 miles to MM 103; Right (South) on Atkins Road for 3.2 miles to fork; Left (South) continuing on Atkins Road for 1.1 miles to 4-way intersection; Straight (south) for 1.6 miles to 4-way intersection; Straight (South) for 1.9 miles to fork; Left (South) for 0.4 miles to fork; Right (South) for 0.3 miles to S Escavada Unit 350H access road; Left (South) along 350H access road for 0.7 miles to S Escavada Unit 350H Pad (Wells: 350H & 351H).

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	2,648	9.625	36.0	J-55	LTC	0	2,648
Production	8.500	11,623	5.500	17.0	P-110	LTC	0	11,623

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	Type III	14.6	1.39	6.686	0.6946	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	507
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,148	136
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	464
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.2291	10%	3,659	1,287

COMPLETION / PRODUCTION SUMMARY:

Frac: 40 plug-and-perf stages with 240,000 bbls slickwater fluid and 11,000,000 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

QUICK REFERENCE	
Sur TD (MD)	350 ft
Int TD (MD)	2,648 ft
KOP (MD)	4,092 ft
KOP (TVD)	4,022 ft
Target (TVD)	4,625 ft
Curve BUR	10 °/100 ft
POE (MD)	5,049 ft
TD (MD)	11,623 ft
Lat Len (ft)	6,574 ft

Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	527	527
Kirtland	637	637
Fruitland	762	762
Pictured Cliffs	1,095	1,097
Lewis	1,192	1,196
Chacra	1,459	1,470
Cliff House	2,497	2,535
Menefee	2,507	2,546
Point Lookout	3,457	3,520
Mancos	3,592	3,659
Gallup (MNCS_A)	3,910	3,980
MNCS_B	4,020	4,090
MNCS_C	4,110	4,180
MNCS_Cms	4,154	4,225
MNCS_D	4,292	4,373
MNCS_E	4,430	4,546
MNCS_F	4,472	4,610
MNCS_G	4,540	4,736
MNCS_H	4,605	4,900
LANDING PT (FTP) TARGET	4,625	5,049
PROJECTED LTP	4,657	11,623

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.5. Lease Serial No.
N0-G-1312-1826

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other7. If Unit of CA/Agreement, Name and/or No.
NMNM130812A8. Well Name and No.
S Escavada Unit 351H

2. Name of Operator

Enduring Resources IV LLC9. API Well No.
30-043-21317

3a. Address

200 Energy Court Farmington NM 87401

3b. Phone No. (include area code)

505-636-974310. Field and Pool or Exploratory Area
Rusty Gallup

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 2087' FSL & 417' FEL, Sec 27 T22N, R7W**BHL: 1625' FSL & 176' FWL, Sec 22 T22N, R7W**11. Country or Parish, State
Sandoval, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other completions
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

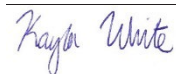
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

1/17/22 through 1/19/22- Pre frac site set up, MIRU, Pressure test**1/19/22 through 1/29/22-** 24 hour frac operations. 28 total stages, total holes 756. 5083-11586' MD. Perfed w 0.42" holes with SFT-NE45B, FRP-48H, CSA-2400, Bardac 2250M, SCI-611W, SOUR-N8R & 10,055,738 lbs total proppant.**3/3/2022 through 3/11/2022 -** Drill out Ops**3/20/2022 -** Land Tubing

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Kayla White

Title: Associate Consultant, Environmental Engineer



Date: 4/26/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

Form 3160-4

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-
0137

Expires: January 31, 2018

5. Lease Serial No.

N0-G-1312-1826

1a. Type of Well ☒ Oil Well ☐ Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing
☐ Other: _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

NMNM130812A

2. Name of Operator

Enduring Resources IV LLC

8. Lease Name and Well No.

S Escavada Unit 351H

3. Address

200 Energy Court Farmington NM 87402

3a. Phone No. (Include area code)

505-636-9743

9. API Well No.

30-043-21317

4. Location of Well (Report location clearly and in accordance with Federal requirements) *

At surface

SHL: 2087' FSL & 417' FEL, Sec 27 T22N, R7W

BHL: 1625' FSL & 176' FWL, Sec 22 T22N, R7W

10. Field and Pool or Exploratory

Rusty Gallup

11. Sec., T., R., M., on Block and
Survey or Area

Sec 27 T22N R7W

12. County or Parish

Sandoval

13. State

NM

At top prod. interval reported below At total depth

14. Date Spudded

11/11/2021

15. Date T.D. Reached

1/6/2022

16. Date Completed 3/20/2022

☐ D & A

☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

6777' KB

18. Total Depth: **11697' MD**

4652' TVD

19. Plug Back T.D.: **11586' MD**

4652' TVD

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored?

☒ No

☐ Yes (Submit analysis)

Was DST run?

☒ No

☐ Yes (Submit report)

Directional Survey?

☐ No

☒ Yes (Submit copy)

(June 2015)

UNITED STATES

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8", J-55	54.5	0	366' MD		350	86.6	surface	
12-1/4"	9-5/8", J-55	36	0	2660' MD		670	232	surface	
8-1/2"	5-1/2", P-110	17	0	11697' MD		1464	816	surface	

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8", 6.5#, L-80	4818'	4752'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Gallup	4542' TVD	4667' TVD	5083' - 11586' MD	.42	756	

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
5083' - 11586' MD	28 total stages, total holes 756. Perfed w 0.42" holes with SFT-NE45B, FRP-48H, CSA-2400, Bardac 2250M, SCI-611W, SOUR-N8R & 10,055,738 lbs total proppant.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
3/25/2022	3/26/2022	24 hr		232	447	447			Flowing
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64"	289	564						Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
									
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
									

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, fl and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
OJAM	527				
KRLD	637				
FRLD	762				
PCCF	1,095				
CLFH	2,497				
MENF	2,507				
PNLK	3,458				
MNCS	3,582				
Gallup	4,542				

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions) *

Name (please print) Kayla WhiteTitle Assistant Consultant, Environmental EngineerSignature Kayla WhiteDate: 4/18/2022

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 135152

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 135152
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

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

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

CONDITIONS

Action 135152

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 135152
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days to NMOCD after BLM approval.	3/24/2023