

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 30-043-21331	⁵ Pool Name Rusty Gallup Oil		⁶ Pool Code 52860
⁷ Property Code 322151	⁸ Property Name S ESCAVADA UNIT		⁹ Well Number #368H

II. ¹⁰ Surface Location

UL or lot no. C	Section 29	Township 22N	Range 6W	Lot Idn	Feet from the 160’	North/South Line North	Feet from the 2190’	East/West line West	County Sandoval
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¹¹ Bottom Hole Location

UL or lot no. I	Section 13	Township 22N	Range 7W	Lot Idn	Feet from the 2504’	North/South line South	Feet from the 1152’	East/West line East	County Sandoval
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 11/8/2021		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 7/26/2021	²² Ready Date 11/15/2021	²³ TD 16388’ MD 5106’ TVD	²⁴ PBDT 16230 MD 5108’ TVD	²⁵ Perforations ~ 5407’-16238’ MD ~ 5077’-5108’ 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		256’ MD		350 sx - surface
12-1/4”		9-5/8”,36#, J-55		3126’ MD		757 sx- surface
8-1/2”		5-1/2”,17#, P-110		16378’ MD		2452 sx- surface

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Deidre Duffy			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Senior Ecologist			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: Deidre.duffy@wsp.com			Approval Date: <i>11/19/2021</i>		
Date: 10/25/2021		Phone: 808-352-0200	<i>RT EXPIRES 2/15/2022</i>		

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

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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

District IV
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 Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code	3 Pool Name
		52860	RUSTY GALLUP OIL POOL
4 Property Code	5 Property Name		6 Well Number
322151	S ESCAVADA UNIT		368H
7 OGRID No.	8 Operator Name		9 Elevation
372286	ENDURING RESOURCES, LLC		7028'

10 Surface Location

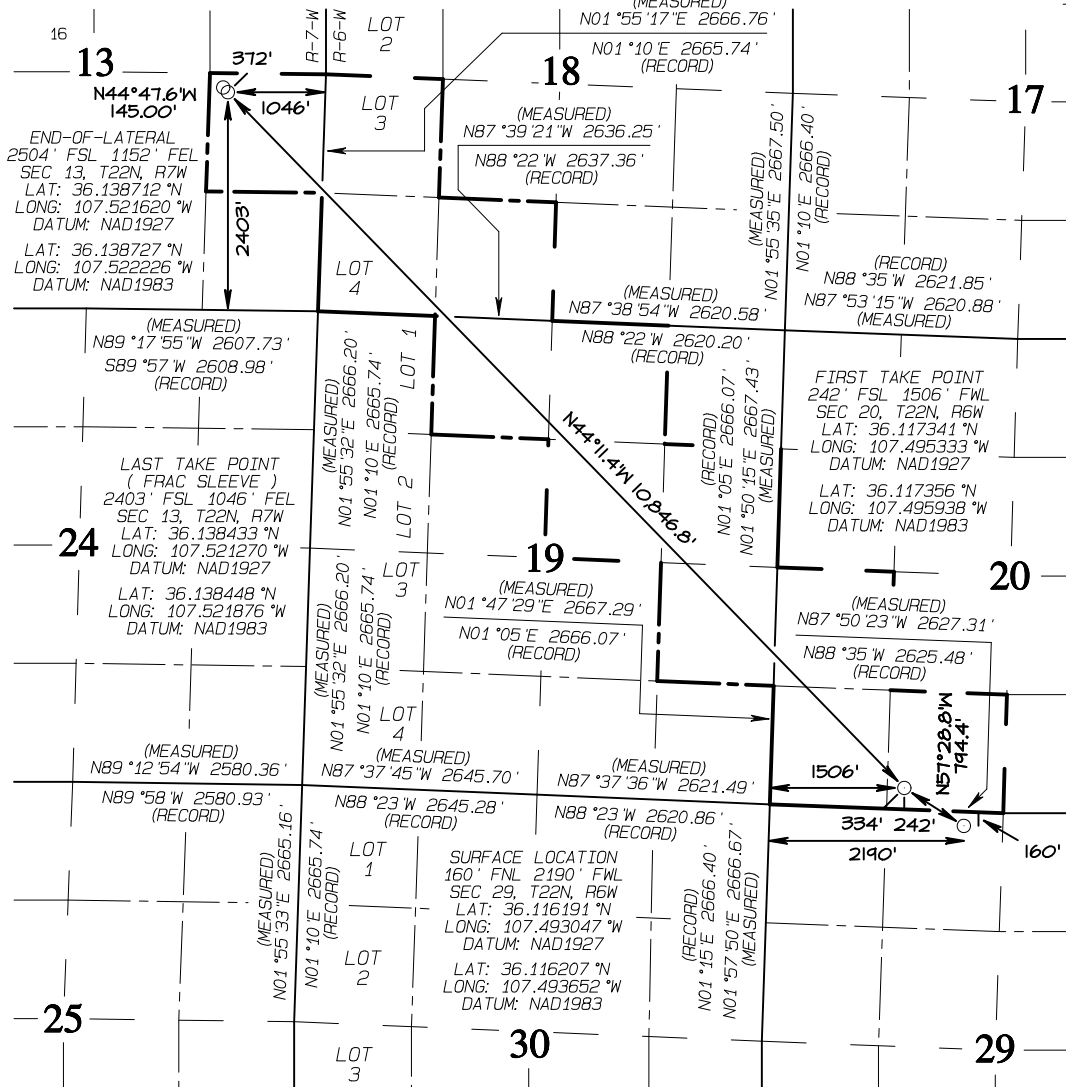
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	22N	6W		160	NORTH	2190	WEST	SANDOVAL

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
I	13	22N	7W		2504	SOUTH	1152	EAST	SANDOVAL

12 Dedicated Acres	NE/4 SE/4 - Section 13 NE/4 NW/4, W/2 NE/4 SE/4 NE/4, NE/4 SE/4 - Section 19 W/2 SW/4, SE/4 SW/4 - Section 18 W/2 SW/4, SE/4 SW/4 - Section 20	13 Joint or Infill	14 Consolidation Code	15 Order No.
481.26				R-14347

NO ALLOWABLE WILL BE ASSIGNED
TO THIS COMPLETION UNTIL ALL
INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS
BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or 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 _____ Date _____

Printed Name _____

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: SEPTEMBER 30, 2021
Survey Date: DECEMBER 12, 2018

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Well: **S Escavada Unit 368 H**
 Site: **S Escavada Unit**
 Project: **Sandoval County, NM NAD83 NM C**
 Design: **Surveys Original Hole**
 Rig: **Ensign 773**

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
420.00	0.62	237.40	419.99	-1.22	-1.91	0.46	MWD surveys
3128.00	5.03	277.08	3115.19	21.18	-237.79	181.01	9 5/8" Casing @ 3128 MD 3115 TVD
5393.00	83.83	314.08	5076.25	426.94	-669.93	773.20	FTP 330 perp @ 5393 MD 5076 TVD
16243.00	90.16	315.06	5108.02	8204.52	-8230.46	11619.96	Frac Sleeve depth @ 16243 MD 5108 TVD
16313.00	90.86	315.25	5107.40	8254.15	-8279.83	11689.96	LTP 330 perp @ 16313 MD 5107 TVD
16315.00	90.88	315.26	5107.36	8255.57	-8281.23	11691.96	Survey @ 16315.00 MD 5107.36 TVD
16388.00	90.88	315.26	5106.24	8307.42	-8332.61	11764.94	Survey Proj. to 16388.00 MD 5106.24 TVD 1151 FEL 161 FNL

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Central Zone

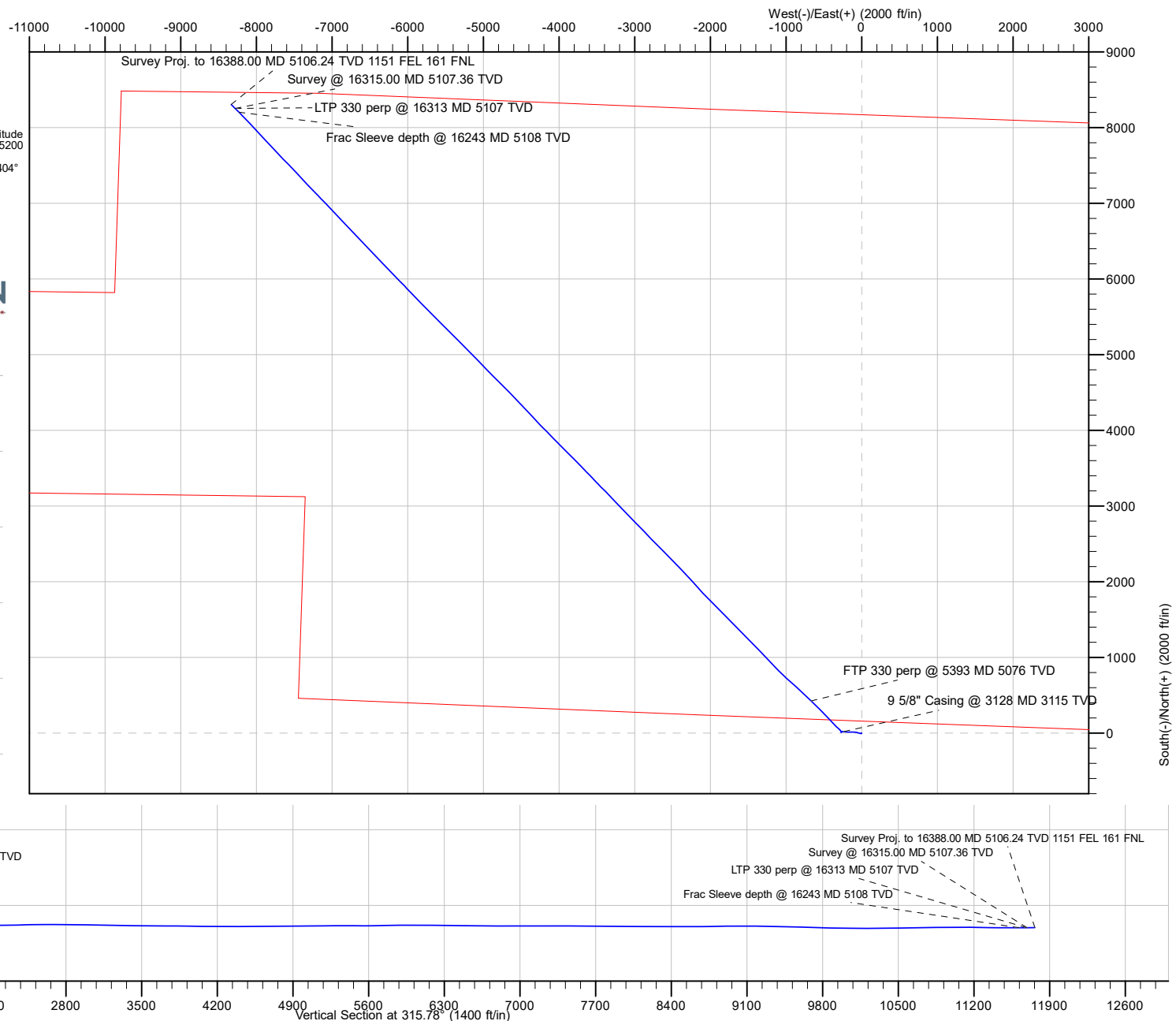
System Datum: Mean Sea Level
 Depth Reference: RKB=7028+28 @ 7056.00ft (Ensign 773)
 Northing Easting Latitude Longitude
 1863914.26 1273097.78 36.11620700 -107.49365200

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 9.404°



Azimuths to Grid North
 True North: 0.73°
 Magnetic North: 9.40°

Magnetic Field
 Strength: 49260.5nT
 Dip Angle: 62.70°
 Date: 8/6/2021
 Model: IGRF2020





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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:	1,862,785.00 usft
From:	Lat/Long	Easting:	1,257,590.21 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.11254900
		Longitude:	-107.54609400

Well	S Escavada Unit 368 H, Surf loc: 160 FNL 2190 FWL Section 29-T22N-R06W		
Well Position	+N/-S	0.00 ft	Northing: 1,863,914.26 usft
	+E/-W	0.00 ft	Easting: 1,273,097.78 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
Grid Convergence:	-0.733 °	Ground Level:	7,028.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/6/2021	8.671	62.703	49,260.51528677

Design	Surveys Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	315.78	

Survey Program	Date	9/23/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	3,084.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
3,181.00	16,315.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
16,388.00	16,388.00	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	
420.00	0.62	237.40	419.99	-1.22	-1.91	0.46	0.15	0.15	0.00	
MWD surveys										
490.00	0.79	229.65	489.99	-1.74	-2.60	0.57	0.28	0.24	-11.07	
580.00	0.83	234.75	579.98	-2.52	-3.61	0.71	0.09	0.04	5.67	
671.00	0.83	231.93	670.97	-3.31	-4.66	0.88	0.04	0.00	-3.10	
763.00	0.92	254.44	762.96	-3.91	-5.90	1.31	0.38	0.10	24.47	
854.00	0.92	241.60	853.95	-4.46	-7.25	1.86	0.23	0.00	-14.11	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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)
944.00	0.88	259.62	943.93	-4.93	-8.56	2.44	0.32	-0.04	20.02
1,034.00	3.34	282.13	1,033.87	-4.50	-11.81	5.01	2.83	2.73	25.01
1,124.00	7.12	284.32	1,123.48	-2.57	-19.78	11.95	4.21	4.20	2.43
1,214.00	7.12	285.73	1,212.78	0.32	-30.55	21.54	0.19	0.00	1.57
1,301.00	7.56	286.60	1,299.07	3.42	-41.22	31.20	0.52	0.51	1.00
1,391.00	6.99	285.90	1,388.35	6.61	-52.16	41.12	0.64	-0.63	-0.78
1,478.00	6.59	286.70	1,474.73	9.50	-62.04	50.07	0.47	-0.46	0.92
1,565.00	6.94	277.38	1,561.13	11.61	-72.03	58.55	1.32	0.40	-10.71
1,653.00	6.81	275.88	1,648.50	12.82	-82.49	66.72	0.25	-0.15	-1.70
1,742.00	6.28	274.21	1,736.92	13.72	-92.60	74.41	0.63	-0.60	-1.88
1,827.00	5.80	271.67	1,821.45	14.19	-101.53	80.97	0.65	-0.56	-2.99
1,912.00	5.27	268.33	1,906.05	14.20	-109.72	86.70	0.73	-0.62	-3.93
1,999.00	6.86	271.05	1,992.56	14.18	-118.91	93.09	1.86	1.83	3.13
2,088.00	7.08	271.93	2,080.90	14.46	-129.71	100.82	0.27	0.25	0.99
2,175.00	6.77	270.61	2,167.27	14.70	-140.19	108.30	0.40	-0.36	-1.52
2,260.00	6.46	269.03	2,251.70	14.67	-149.98	115.11	0.42	-0.36	-1.86
2,345.00	6.20	269.91	2,336.18	14.58	-159.36	121.59	0.33	-0.31	1.04
2,433.00	5.80	270.61	2,423.70	14.62	-168.55	128.03	0.46	-0.45	0.80
2,518.00	5.36	271.05	2,508.30	14.74	-176.82	133.88	0.52	-0.52	0.52
2,603.00	6.11	272.63	2,592.87	15.02	-185.31	140.00	0.90	0.88	1.86
2,690.00	6.28	275.18	2,679.37	15.66	-194.67	146.99	0.37	0.20	2.93
2,775.00	6.15	276.94	2,763.87	16.63	-203.82	154.07	0.27	-0.15	2.07
2,863.00	5.80	277.47	2,851.39	17.78	-212.91	161.23	0.40	-0.40	0.60
2,952.00	5.63	278.17	2,939.94	18.98	-221.69	168.21	0.21	-0.19	0.79
3,042.00	5.32	278.08	3,029.53	20.20	-230.19	175.01	0.34	-0.34	-0.10
3,084.00	5.05	277.12	3,071.36	20.70	-233.95	178.00	0.68	-0.64	-2.29
3,128.00	5.03	277.08	3,115.19	21.18	-237.79	181.01	0.04	-0.04	-0.09
9 5/8" Casing @ 3128 MD 3115 TVD									
3,181.00	5.01	277.03	3,167.99	21.75	-242.39	184.63	0.04	-0.04	-0.09
3,273.00	4.97	276.59	3,259.64	22.70	-250.34	190.85	0.06	-0.04	-0.48
3,365.00	4.97	271.40	3,351.29	23.25	-258.28	196.79	0.49	0.00	-5.64
3,455.00	2.81	257.69	3,441.08	22.88	-264.33	200.74	2.60	-2.40	-15.23
3,548.00	2.99	257.52	3,533.96	21.87	-268.93	203.23	0.19	0.19	-0.18
3,640.00	1.14	233.52	3,625.90	20.80	-272.01	204.61	2.18	-2.01	-26.09
3,732.00	1.45	249.25	3,717.88	19.85	-273.83	205.20	0.51	0.34	17.10
3,824.00	0.83	146.07	3,809.87	18.88	-274.55	205.01	1.99	-0.67	-112.15
3,915.00	0.75	136.40	3,900.86	17.90	-273.77	203.76	0.17	-0.09	-10.63
4,007.00	0.66	127.44	3,992.85	17.14	-272.93	202.64	0.15	-0.10	-9.74
4,097.00	0.88	132.89	4,082.84	16.36	-272.02	201.43	0.26	0.24	6.06
4,190.00	0.88	138.86	4,175.83	15.34	-271.02	200.01	0.10	0.00	6.42
4,282.00	1.01	110.47	4,267.82	14.52	-269.80	198.57	0.52	0.14	-30.86
4,374.00	0.53	111.00	4,359.81	14.08	-268.64	197.45	0.52	-0.52	0.58
4,418.00	0.48	123.04	4,403.81	13.91	-268.30	197.08	0.27	-0.11	27.36
4,464.00	2.46	337.58	4,449.80	14.72	-268.51	197.81	6.24	4.30	-316.22



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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)
4,509.00	5.71	328.53	4,494.68	17.52	-270.05	200.89	7.34	7.22	-20.11
4,556.00	9.58	327.92	4,541.25	22.83	-273.35	207.00	8.24	8.23	-1.30
4,602.00	13.10	323.61	4,586.35	30.27	-278.48	215.91	7.87	7.65	-9.37
4,648.00	16.74	319.21	4,630.79	39.49	-285.90	227.69	8.28	7.91	-9.57
4,694.00	21.23	314.82	4,674.28	50.38	-296.14	242.64	10.24	9.76	-9.54
4,738.00	26.15	311.39	4,714.56	62.41	-309.07	260.28	11.61	11.18	-7.80
4,784.00	29.58	311.83	4,755.22	76.69	-325.14	281.72	7.47	7.46	0.96
4,831.00	32.96	313.94	4,795.39	93.31	-343.00	306.08	7.56	7.19	4.49
4,877.00	37.27	316.40	4,833.01	112.09	-361.62	332.53	9.86	9.37	5.35
4,923.00	41.88	317.19	4,868.46	133.45	-381.67	361.82	10.08	10.02	1.72
4,969.00	46.63	317.28	4,901.39	157.01	-403.46	393.91	10.33	10.33	0.20
5,015.00	51.81	316.93	4,931.43	182.52	-427.17	428.72	11.28	11.26	-0.76
5,059.00	57.88	316.40	4,956.75	208.67	-451.85	464.67	13.83	13.80	-1.20
5,104.00	60.60	316.40	4,979.77	236.67	-478.51	503.33	6.04	6.04	0.00
5,149.00	60.86	315.96	5,001.77	264.99	-505.69	542.59	1.03	0.58	-0.98
5,192.00	64.38	314.73	5,021.54	292.14	-532.53	580.76	8.57	8.19	-2.86
5,236.00	68.64	313.85	5,039.07	320.31	-561.41	621.09	9.85	9.68	-2.00
5,281.00	74.14	314.47	5,053.43	350.01	-591.99	663.70	12.29	12.22	1.38
5,324.00	76.64	314.91	5,064.27	379.27	-621.57	705.30	5.90	5.81	1.02
5,369.00	80.86	314.56	5,073.05	410.33	-652.92	749.42	9.41	9.38	-0.78
5,393.00	83.83	314.08	5,076.25	426.94	-669.93	773.20	12.54	12.39	-2.01
FTP 330 perp @ 5393 MD 5076 TVD									
5,413.00	86.31	313.68	5,077.97	440.75	-684.29	793.11	12.54	12.39	-1.99
5,456.00	87.32	313.59	5,080.36	470.38	-715.37	836.01	2.36	2.35	-0.21
5,543.00	87.93	313.41	5,083.96	530.22	-778.42	922.87	0.73	0.70	-0.21
5,633.00	88.07	312.36	5,087.10	591.42	-844.32	1,012.70	1.18	0.16	-1.17
5,718.00	88.51	312.18	5,089.64	648.57	-907.19	1,097.50	0.56	0.52	-0.21
5,805.00	88.77	311.22	5,091.70	706.43	-972.13	1,184.26	1.14	0.30	-1.10
5,892.00	89.56	314.64	5,092.97	765.67	-1,035.82	1,271.12	4.03	0.91	3.93
5,979.00	89.43	313.85	5,093.74	826.37	-1,098.14	1,358.09	0.92	-0.15	-0.91
6,064.00	90.04	316.67	5,094.13	886.74	-1,157.96	1,443.08	3.39	0.72	3.32
6,152.00	90.57	316.84	5,093.66	950.84	-1,218.25	1,531.06	0.63	0.60	0.19
6,242.00	90.66	316.49	5,092.70	1,016.30	-1,280.01	1,621.05	0.40	0.10	-0.39
6,331.00	90.88	315.88	5,091.50	1,080.51	-1,341.62	1,710.03	0.73	0.25	-0.69
6,422.00	91.27	314.91	5,089.79	1,145.29	-1,405.51	1,801.02	1.15	0.43	-1.07
6,514.00	89.65	316.23	5,089.05	1,210.98	-1,469.91	1,893.01	2.27	-1.76	1.43
6,606.00	90.92	315.88	5,088.60	1,277.22	-1,533.75	1,985.00	1.43	1.38	-0.38
6,698.00	91.10	315.52	5,086.98	1,343.05	-1,597.99	2,076.99	0.44	0.20	-0.39
6,790.00	91.45	314.82	5,084.93	1,408.28	-1,662.84	2,168.96	0.85	0.38	-0.76
6,881.00	90.35	315.70	5,083.50	1,472.91	-1,726.88	2,259.94	1.55	-1.21	0.97
6,973.00	91.01	315.52	5,082.41	1,538.65	-1,791.24	2,351.93	0.74	0.72	-0.20
7,065.00	91.32	315.08	5,080.54	1,604.03	-1,855.93	2,443.91	0.58	0.34	-0.48
7,155.00	91.45	313.85	5,078.36	1,667.05	-1,920.15	2,533.86	1.37	0.14	-1.37



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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)
7,248.00	90.04	316.05	5,077.15	1,732.74	-1,985.95	2,626.83	2.81	-1.52	2.37
7,340.00	89.65	315.26	5,077.40	1,798.54	-2,050.26	2,718.83	0.96	-0.42	-0.86
7,432.00	89.25	318.16	5,078.28	1,865.49	-2,113.33	2,810.81	3.18	-0.43	3.15
7,524.00	89.25	318.34	5,079.49	1,934.12	-2,174.59	2,902.71	0.20	0.00	0.20
7,616.00	88.86	317.72	5,081.01	2,002.52	-2,236.10	2,994.63	0.80	-0.42	-0.67
7,707.00	88.81	317.28	5,082.86	2,069.59	-2,297.57	3,085.57	0.49	-0.05	-0.48
7,799.00	89.03	316.40	5,084.59	2,136.69	-2,360.49	3,177.54	0.99	0.24	-0.96
7,891.00	89.12	315.96	5,086.08	2,203.06	-2,424.18	3,269.52	0.49	0.10	-0.48
7,983.00	89.52	316.14	5,087.17	2,269.29	-2,488.03	3,361.51	0.48	0.43	0.20
8,076.00	89.38	315.52	5,088.06	2,335.99	-2,552.82	3,454.51	0.68	-0.15	-0.67
8,166.00	89.34	315.08	5,089.06	2,399.96	-2,616.13	3,544.50	0.49	-0.04	-0.49
8,258.00	89.43	315.08	5,090.05	2,465.10	-2,681.08	3,636.49	0.10	0.10	0.00
8,350.00	89.52	315.00	5,090.90	2,530.20	-2,746.09	3,728.48	0.13	0.10	-0.09
8,444.00	89.60	316.75	5,091.62	2,597.67	-2,811.53	3,822.47	1.86	0.09	1.86
8,536.00	89.17	315.79	5,092.60	2,664.15	-2,875.12	3,914.46	1.14	-0.47	-1.04
8,625.00	89.47	316.05	5,093.66	2,728.08	-2,937.03	4,003.45	0.45	0.34	0.29
8,716.00	89.34	315.35	5,094.61	2,793.20	-3,000.58	4,094.45	0.78	-0.14	-0.77
8,807.00	89.38	314.56	5,095.62	2,857.49	-3,064.98	4,185.43	0.87	0.04	-0.87
8,900.00	90.00	316.93	5,096.13	2,924.10	-3,129.87	4,278.42	2.63	0.67	2.55
8,991.00	90.22	317.02	5,095.95	2,990.62	-3,191.96	4,369.40	0.26	0.24	0.10
9,083.00	90.13	316.05	5,095.67	3,057.39	-3,255.25	4,461.39	1.06	-0.10	-1.05
9,175.00	90.44	316.14	5,095.21	3,123.68	-3,319.05	4,553.39	0.35	0.34	0.10
9,268.00	90.53	315.70	5,094.43	3,190.48	-3,383.74	4,646.39	0.48	0.10	-0.47
9,360.00	90.35	314.73	5,093.72	3,255.78	-3,448.55	4,738.38	1.07	-0.20	-1.05
9,452.00	90.04	316.23	5,093.41	3,321.37	-3,513.05	4,830.37	1.66	-0.34	1.63
9,544.00	90.48	316.58	5,092.99	3,388.00	-3,576.49	4,922.37	0.61	0.48	0.38
9,635.00	90.40	315.70	5,092.29	3,453.61	-3,639.54	5,013.36	0.97	-0.09	-0.97
9,727.00	90.79	316.05	5,091.33	3,519.65	-3,703.59	5,105.36	0.57	0.42	0.38
9,819.00	90.88	315.08	5,089.99	3,585.33	-3,767.99	5,197.35	1.06	0.10	-1.05
9,912.00	91.41	314.82	5,088.13	3,651.02	-3,833.80	5,290.32	0.63	0.57	-0.28
10,004.00	89.25	315.61	5,087.60	3,716.31	-3,898.60	5,382.30	2.50	-2.35	0.86
10,096.00	89.12	314.21	5,088.91	3,781.26	-3,963.75	5,474.28	1.53	-0.14	-1.52
10,188.00	90.53	316.49	5,089.19	3,846.70	-4,028.40	5,566.27	2.91	1.53	2.48
10,281.00	90.70	315.44	5,088.20	3,913.56	-4,093.04	5,659.26	1.14	0.18	-1.13
10,373.00	91.23	315.35	5,086.65	3,979.05	-4,157.63	5,751.25	0.58	0.58	-0.10
10,463.00	91.19	314.82	5,084.75	4,042.77	-4,221.16	5,841.22	0.59	-0.04	-0.59
10,556.00	89.74	317.19	5,083.99	4,109.66	-4,285.75	5,934.21	2.99	-1.56	2.55
10,648.00	89.87	317.90	5,084.30	4,177.54	-4,347.85	6,026.16	0.78	0.14	0.77
10,740.00	89.56	316.93	5,084.76	4,245.28	-4,410.10	6,118.12	1.11	-0.34	-1.05
10,832.00	89.43	317.02	5,085.57	4,312.53	-4,472.87	6,210.10	0.17	-0.14	0.10
10,924.00	89.39	316.14	5,086.52	4,379.35	-4,536.11	6,302.09	0.96	-0.04	-0.96
11,017.00	89.30	315.35	5,087.58	4,445.95	-4,601.00	6,395.08	0.85	-0.10	-0.85
11,109.00	89.47	315.17	5,088.57	4,511.30	-4,665.76	6,487.07	0.27	0.18	-0.20



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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)
11,199.00	89.47	314.91	5,089.40	4,574.98	-4,729.35	6,577.06	0.29	0.00	-0.29
11,291.00	89.60	315.08	5,090.15	4,640.03	-4,794.41	6,669.05	0.23	0.14	0.18
11,384.00	89.65	315.26	5,090.76	4,705.98	-4,859.97	6,762.04	0.20	0.05	0.19
11,474.00	89.56	314.91	5,091.38	4,769.71	-4,923.51	6,852.03	0.40	-0.10	-0.39
11,566.00	90.09	317.02	5,091.66	4,835.85	-4,987.46	6,944.02	2.36	0.58	2.29
11,658.00	90.04	316.23	5,091.56	4,902.72	-5,050.64	7,036.01	0.86	-0.05	-0.86
11,750.00	90.09	315.35	5,091.45	4,968.66	-5,114.79	7,128.01	0.96	0.05	-0.96
11,842.00	90.53	315.52	5,090.95	5,034.21	-5,179.35	7,220.01	0.51	0.48	0.18
11,934.00	89.78	314.29	5,090.71	5,099.15	-5,244.51	7,312.00	1.57	-0.82	-1.34
12,025.00	89.69	315.43	5,091.13	5,163.34	-5,309.01	7,402.98	1.26	-0.10	1.25
12,116.00	89.56	315.35	5,091.72	5,228.12	-5,372.91	7,493.98	0.17	-0.14	-0.09
12,207.00	89.51	315.08	5,092.46	5,292.71	-5,437.02	7,584.97	0.30	-0.05	-0.30
12,297.00	89.60	314.91	5,093.16	5,356.34	-5,500.66	7,674.96	0.21	0.10	-0.19
12,389.00	89.60	313.77	5,093.80	5,420.64	-5,566.46	7,766.93	1.24	0.00	-1.24
12,482.00	89.78	316.40	5,094.30	5,486.49	-5,632.11	7,859.91	2.83	0.19	2.83
12,574.00	89.82	316.05	5,094.63	5,552.92	-5,695.76	7,951.91	0.38	0.04	-0.38
12,666.00	89.78	315.08	5,094.95	5,618.61	-5,760.17	8,043.90	1.06	-0.04	-1.05
12,756.00	89.69	314.12	5,095.36	5,681.80	-5,824.25	8,133.88	1.07	-0.10	-1.07
12,847.00	89.43	316.67	5,096.06	5,746.58	-5,888.14	8,224.87	2.82	-0.29	2.80
12,935.00	89.52	316.40	5,096.87	5,810.45	-5,948.68	8,312.86	0.32	0.10	-0.31
13,027.00	90.13	316.49	5,097.15	5,877.12	-6,012.07	8,404.85	0.67	0.66	0.10
13,119.00	90.31	315.08	5,096.80	5,943.06	-6,076.22	8,496.85	1.55	0.20	-1.53
13,212.00	90.09	316.84	5,096.47	6,009.91	-6,140.87	8,589.84	1.91	-0.24	1.89
13,302.00	90.35	316.40	5,096.13	6,075.32	-6,202.69	8,679.83	0.57	0.29	-0.49
13,392.00	90.97	315.79	5,095.09	6,140.16	-6,265.09	8,769.82	0.97	0.69	-0.68
13,483.00	90.88	315.00	5,093.62	6,204.94	-6,328.99	8,860.81	0.87	-0.10	-0.87
13,575.00	89.56	316.58	5,093.27	6,270.88	-6,393.13	8,952.80	2.24	-1.43	1.72
13,667.00	89.82	316.58	5,093.76	6,337.70	-6,456.37	9,044.79	0.28	0.28	0.00
13,758.00	90.31	315.96	5,093.66	6,403.46	-6,519.27	9,135.79	0.87	0.54	-0.68
13,850.00	90.70	315.35	5,092.85	6,469.25	-6,583.57	9,227.79	0.79	0.42	-0.66
13,942.00	88.55	317.19	5,093.45	6,535.72	-6,647.16	9,319.77	3.08	-2.34	2.00
14,033.00	87.89	317.63	5,096.28	6,602.69	-6,708.72	9,410.69	0.87	-0.73	0.48
14,123.00	88.37	317.11	5,099.22	6,668.87	-6,769.64	9,500.61	0.79	0.53	-0.58
14,215.00	88.20	315.88	5,101.97	6,735.56	-6,832.94	9,592.56	1.35	-0.18	-1.34
14,307.00	88.73	315.00	5,104.43	6,801.09	-6,897.47	9,684.52	1.12	0.58	-0.96
14,398.00	88.51	317.63	5,106.63	6,866.87	-6,960.30	9,775.48	2.90	-0.24	2.89
14,489.00	88.33	316.93	5,109.14	6,933.70	-7,022.01	9,866.42	0.79	-0.20	-0.77
14,580.00	88.95	316.05	5,111.30	6,999.68	-7,084.64	9,957.38	1.18	0.68	-0.97
14,672.00	89.56	315.70	5,112.49	7,065.72	-7,148.69	10,049.37	0.76	0.66	-0.38
14,764.00	90.00	314.64	5,112.84	7,130.96	-7,213.55	10,141.37	1.25	0.48	-1.15
14,857.00	90.09	316.93	5,112.77	7,197.61	-7,278.40	10,234.36	2.46	0.10	2.46
14,949.00	90.31	317.90	5,112.45	7,265.35	-7,340.65	10,326.32	1.08	0.24	1.05
15,039.00	90.79	317.02	5,111.59	7,331.66	-7,401.50	10,416.28	1.11	0.53	-0.98
15,131.00	90.84	316.40	5,110.28	7,398.61	-7,464.58	10,508.25	0.68	0.05	-0.67



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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)
15,224.00	91.01	315.61	5,108.78	7,465.51	-7,529.16	10,601.24	0.87	0.18	-0.85
15,312.00	91.58	315.00	5,106.79	7,528.05	-7,591.04	10,689.21	0.95	0.65	-0.69
15,403.00	90.13	316.93	5,105.43	7,593.46	-7,654.28	10,780.20	2.65	-1.59	2.12
15,494.00	90.40	317.02	5,105.01	7,659.98	-7,716.37	10,871.18	0.31	0.30	0.10
15,584.00	90.75	316.67	5,104.11	7,725.64	-7,777.93	10,961.16	0.55	0.39	-0.39
15,676.00	91.19	315.88	5,102.55	7,792.11	-7,841.51	11,053.14	0.98	0.48	-0.86
15,767.00	88.55	317.37	5,102.75	7,858.25	-7,904.00	11,144.12	3.33	-2.90	1.64
15,857.00	88.73	317.72	5,104.89	7,924.63	-7,964.73	11,234.05	0.44	0.20	0.39
15,948.00	89.34	317.37	5,106.42	7,991.76	-8,026.15	11,324.99	0.77	0.67	-0.38
16,040.00	89.43	316.14	5,107.41	8,058.77	-8,089.17	11,416.97	1.34	0.10	-1.34
16,131.00	89.91	316.40	5,107.93	8,124.53	-8,152.08	11,507.97	0.60	0.53	0.29
16,223.00	89.96	315.00	5,108.04	8,190.37	-8,216.33	11,599.96	1.52	0.05	-1.52
16,243.00	90.16	315.06	5,108.02	8,204.52	-8,230.47	11,619.96	1.04	1.00	0.28
Frac Sleeve depth @ 16243 MD 5108 TVD									
16,313.00	90.86	315.25	5,107.40	8,254.15	-8,279.83	11,689.96	1.04	1.00	0.28
LTP 330 perp @ 16313 MD 5107 TVD									
16,315.00	90.88	315.26	5,107.36	8,255.57	-8,281.23	11,691.96	1.04	1.00	0.28
Survey @ 16315.00 MD 5107.36 TVD									
16,388.00	90.88	315.26	5,106.24	8,307.42	-8,332.61	11,764.94	0.00	0.00	0.00
Survey Proj. to 16388.00 MD 5106.24 TVD 1151 FEL 161 FNL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
420.00	419.99	-1.22	-1.91	MWD surveys
3,128.00	3,115.19	21.18	-237.79	9 5/8" Casing @ 3128 MD 3115 TVD
5,393.00	5,076.25	426.94	-669.93	FTP 330 perp @ 5393 MD 5076 TVD
16,243.00	5,108.02	8,204.52	-8,230.47	Frac Sleeve depth @ 16243 MD 5108 TVD
16,313.00	5,107.40	8,254.15	-8,279.83	LTP 330 perp @ 16313 MD 5107 TVD
16,315.00	5,107.36	8,255.57	-8,281.23	Survey @ 16315.00 MD 5107.36 TVD
16,388.00	5,106.24	8,307.42	-8,332.61	Survey Proj. to 16388.00 MD 5106.24 TVD 1151 FEL 161 FNL

Checked By: _____ Approved By: _____ Date: _____



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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:	1,862,785.00 usft
From:	Lat/Long	Easting:	1,257,590.21 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.11254900
		Longitude:	-107.54609400
		Grid Convergence:	-0.764 °

Well	S Escavada Unit 368 H, Surf loc: 160 FNL 2190 FWL Section 29-T22N-R06W		
Well Position	+N/-S	0.00 ft	Northing: 1,863,914.26 usft
	+E/-W	0.00 ft	Easting: 1,273,097.78 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.11620700
		Longitude:	-107.49365200
		Ground Level:	7,028.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/6/2021	8.671	62.703	49,260.51528677

Design	Surveys Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	315.78	

Survey Program	Date	9/23/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	3,084.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
3,181.00	16,315.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
16,388.00	16,388.00	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	1,863,914.26	1,273,097.78	36.11620700	-107.49365200	
420.00	0.62	237.40	419.99	-1.22	-1.91	1,863,913.04	1,273,095.86	36.11620357	-107.49365843	
MWD surveys										
490.00	0.79	229.65	489.99	-1.74	-2.60	1,863,912.52	1,273,095.17	36.11620213	-107.49366073	
580.00	0.83	234.75	579.98	-2.52	-3.61	1,863,911.74	1,273,094.17	36.11619996	-107.49366410	
671.00	0.83	231.93	670.97	-3.31	-4.66	1,863,910.96	1,273,093.11	36.11619776	-107.49366765	
763.00	0.92	254.44	762.96	-3.91	-5.90	1,863,910.35	1,273,091.88	36.11619604	-107.49367180	
854.00	0.92	241.60	853.95	-4.46	-7.25	1,863,909.80	1,273,090.53	36.11619450	-107.49367634	
944.00	0.88	259.62	943.93	-4.93	-8.56	1,863,909.34	1,273,089.21	36.11619317	-107.49368077	
1,034.00	3.34	282.13	1,033.87	-4.50	-11.81	1,863,909.76	1,273,085.97	36.11619423	-107.49369177	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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
1,124.00	7.12	284.32	1,123.48	-2.57	-19.78	1,863,911.69	1,273,078.00	36.11619925	-107.49371883
1,214.00	7.12	285.73	1,212.78	0.32	-30.55	1,863,914.59	1,273,067.23	36.11620681	-107.49375543
1,301.00	7.56	286.60	1,299.07	3.42	-41.22	1,863,917.68	1,273,056.55	36.11621494	-107.49379169
1,391.00	6.99	285.90	1,388.35	6.61	-52.16	1,863,920.87	1,273,045.61	36.11622333	-107.49382886
1,478.00	6.59	286.70	1,474.73	9.50	-62.04	1,863,923.76	1,273,035.74	36.11623090	-107.49386241
1,565.00	6.94	277.38	1,561.13	11.61	-72.03	1,863,925.87	1,273,025.75	36.11623634	-107.49389633
1,653.00	6.81	275.88	1,648.50	12.82	-82.49	1,863,927.09	1,273,015.28	36.11623932	-107.49393180
1,742.00	6.28	274.21	1,736.92	13.72	-92.60	1,863,927.98	1,273,005.18	36.11624143	-107.49396604
1,827.00	5.80	271.67	1,821.45	14.19	-101.53	1,863,928.45	1,272,996.25	36.11624240	-107.49399629
1,912.00	5.27	268.33	1,906.05	14.20	-109.72	1,863,928.46	1,272,988.05	36.11624214	-107.49402403
1,999.00	6.86	271.05	1,992.56	14.18	-118.91	1,863,928.44	1,272,978.87	36.11624176	-107.49405514
2,088.00	7.08	271.93	2,080.90	14.46	-129.71	1,863,928.72	1,272,968.07	36.11624216	-107.49409169
2,175.00	6.77	270.61	2,167.27	14.70	-140.19	1,863,928.96	1,272,957.58	36.11624243	-107.49412720
2,260.00	6.46	269.03	2,251.70	14.67	-149.98	1,863,928.93	1,272,947.79	36.11624201	-107.49416034
2,345.00	6.20	269.91	2,336.18	14.58	-159.36	1,863,928.84	1,272,938.42	36.11624144	-107.49419206
2,433.00	5.80	270.61	2,423.70	14.62	-168.55	1,863,928.88	1,272,929.22	36.11624123	-107.49422320
2,518.00	5.36	271.05	2,508.30	14.74	-176.82	1,863,929.00	1,272,920.96	36.11624126	-107.49425117
2,603.00	6.11	272.63	2,592.87	15.02	-185.31	1,863,929.28	1,272,912.47	36.11624173	-107.49427992
2,690.00	6.28	275.18	2,679.37	15.66	-194.67	1,863,929.92	1,272,903.11	36.11624317	-107.49431165
2,775.00	6.15	276.94	2,763.87	16.63	-203.82	1,863,930.89	1,272,893.96	36.11624551	-107.49434266
2,863.00	5.80	277.47	2,851.39	17.78	-212.91	1,863,932.04	1,272,884.87	36.11624834	-107.49437347
2,952.00	5.63	278.17	2,939.94	18.98	-221.69	1,863,933.25	1,272,876.09	36.11625134	-107.49440325
3,042.00	5.32	278.08	3,029.53	20.20	-230.19	1,863,934.46	1,272,867.59	36.11625438	-107.49443207
3,084.00	5.05	277.12	3,071.36	20.70	-233.95	1,863,934.96	1,272,863.83	36.11625563	-107.49444483
3,128.00	5.03	277.08	3,115.19	21.18	-237.79	1,863,935.44	1,272,859.99	36.11625680	-107.49445784
9 5/8" Casing @ 3128 MD 3115 TVD									
3,181.00	5.01	277.03	3,167.99	21.75	-242.39	1,863,936.01	1,272,855.39	36.11625821	-107.49447345
3,273.00	4.97	276.59	3,259.64	22.70	-250.34	1,863,936.96	1,272,847.44	36.11626053	-107.49450038
3,365.00	4.97	271.40	3,351.29	23.25	-258.28	1,863,937.51	1,272,839.50	36.11626178	-107.49452729
3,455.00	2.81	257.69	3,441.08	22.88	-264.33	1,863,937.14	1,272,833.44	36.11626054	-107.49454777
3,548.00	2.99	257.52	3,533.96	21.87	-268.93	1,863,936.13	1,272,828.85	36.11625760	-107.49456328
3,640.00	1.14	233.52	3,625.90	20.80	-272.01	1,863,935.07	1,272,825.77	36.11625457	-107.49457366
3,732.00	1.45	249.25	3,717.88	19.85	-273.83	1,863,934.11	1,272,823.94	36.11625188	-107.49457979
3,824.00	0.83	146.07	3,809.87	18.88	-274.55	1,863,933.14	1,272,823.23	36.11624920	-107.49458218
3,915.00	0.75	136.40	3,900.86	17.90	-273.77	1,863,932.17	1,272,824.01	36.11624655	-107.49457950
4,007.00	0.66	127.44	3,992.85	17.14	-272.93	1,863,931.41	1,272,824.84	36.11624449	-107.49457664
4,097.00	0.88	132.89	4,082.84	16.36	-272.02	1,863,930.62	1,272,825.76	36.11624237	-107.49457349
4,190.00	0.88	138.86	4,175.83	15.34	-271.02	1,863,929.60	1,272,826.75	36.11623959	-107.49457009
4,282.00	1.01	110.47	4,267.82	14.52	-269.80	1,863,928.78	1,272,827.98	36.11623739	-107.49456591
4,374.00	0.53	111.00	4,359.81	14.08	-268.64	1,863,928.35	1,272,829.14	36.11623624	-107.49456197
4,418.00	0.48	123.04	4,403.81	13.91	-268.30	1,863,928.17	1,272,829.48	36.11623577	-107.49456080
4,464.00	2.46	337.58	4,449.80	14.72	-268.51	1,863,928.98	1,272,829.26	36.11623798	-107.49456156
4,509.00	5.71	328.53	4,494.68	17.52	-270.05	1,863,931.78	1,272,827.73	36.11624563	-107.49456689
4,556.00	9.58	327.92	4,541.25	22.83	-273.35	1,863,937.09	1,272,824.43	36.11626009	-107.49457828
4,602.00	13.10	323.61	4,586.35	30.27	-278.48	1,863,944.54	1,272,819.30	36.11628035	-107.49459596
4,648.00	16.74	319.21	4,630.79	39.49	-285.90	1,863,953.75	1,272,811.88	36.11630540	-107.49462149
4,694.00	21.23	314.82	4,674.28	50.38	-296.14	1,863,964.64	1,272,801.64	36.11633496	-107.49465663
4,738.00	26.15	311.39	4,714.56	62.41	-309.07	1,863,976.68	1,272,788.70	36.11636756	-107.49470093
4,784.00	29.58	311.83	4,755.22	76.69	-325.14	1,863,990.96	1,272,772.63	36.11640621	-107.49475595
4,831.00	32.96	313.94	4,795.39	93.31	-343.00	1,864,007.57	1,272,754.78	36.11645121	-107.49481711
4,877.00	37.27	316.40	4,833.01	112.09	-361.62	1,864,026.35	1,272,736.15	36.11650213	-107.49488097
4,923.00	41.88	317.19	4,868.46	133.45	-381.67	1,864,047.71	1,272,716.10	36.11656010	-107.49494977
4,969.00	46.63	317.28	4,901.39	157.01	-403.46	1,864,071.27	1,272,694.31	36.11662404	-107.49502455
5,015.00	51.81	316.93	4,931.43	182.52	-427.17	1,864,096.78	1,272,670.61	36.11669326	-107.49510589
5,059.00	57.88	316.40	4,956.75	208.67	-451.85	1,864,122.93	1,272,645.93	36.11676422	-107.49519057



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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
5,104.00	60.60	316.40	4,979.77	236.67	-478.51	1,864,150.93	1,272,619.26	36.11684018	-107.49528205
5,149.00	60.86	315.96	5,001.77	264.99	-505.69	1,864,179.25	1,272,592.08	36.11691701	-107.49537528
5,192.00	64.38	314.73	5,021.54	292.14	-532.53	1,864,206.40	1,272,565.25	36.11699064	-107.49546730
5,236.00	68.64	313.85	5,039.07	320.31	-561.41	1,864,234.57	1,272,536.37	36.11706699	-107.49556629
5,281.00	74.14	314.47	5,053.43	350.01	-591.99	1,864,264.27	1,272,505.79	36.11714749	-107.49567110
5,324.00	76.64	314.91	5,064.27	379.27	-621.57	1,864,293.53	1,272,476.21	36.11722682	-107.49577249
5,369.00	80.86	314.56	5,073.05	410.33	-652.92	1,864,324.59	1,272,444.86	36.11731101	-107.49587995
5,393.00	83.83	314.08	5,076.25	426.94	-669.93	1,864,341.21	1,272,427.85	36.11735605	-107.49593827
FTP 330 perp @ 5393 MD 5076 TVD									
5,413.00	86.31	313.68	5,077.97	440.75	-684.29	1,864,355.02	1,272,413.48	36.11739347	-107.49598748
5,456.00	87.32	313.59	5,080.36	470.38	-715.37	1,864,384.64	1,272,382.41	36.11747375	-107.49609395
5,543.00	87.93	313.41	5,083.96	530.22	-778.42	1,864,444.48	1,272,319.36	36.11763587	-107.49630999
5,633.00	88.07	312.36	5,087.10	591.42	-844.32	1,864,505.69	1,272,253.45	36.11780166	-107.49653574
5,718.00	88.51	312.18	5,089.64	648.57	-907.19	1,864,562.83	1,272,190.58	36.11795640	-107.49675104
5,805.00	88.77	311.22	5,091.70	706.43	-972.13	1,864,620.69	1,272,125.65	36.11811302	-107.49697338
5,892.00	89.56	314.64	5,092.97	765.67	-1,035.82	1,864,679.93	1,272,061.96	36.11827348	-107.49719153
5,979.00	89.43	313.85	5,093.74	826.37	-1,098.14	1,864,740.63	1,271,999.64	36.11843800	-107.49740513
6,064.00	90.04	316.67	5,094.13	886.74	-1,157.96	1,864,801.00	1,271,939.82	36.11860169	-107.49761026
6,152.00	90.57	316.84	5,093.66	950.84	-1,218.25	1,864,865.10	1,271,879.53	36.11877562	-107.49781713
6,242.00	90.66	316.49	5,092.70	1,016.30	-1,280.01	1,864,930.56	1,271,817.77	36.11895323	-107.49802905
6,331.00	90.88	315.88	5,091.50	1,080.51	-1,341.62	1,864,994.77	1,271,756.16	36.11912742	-107.49824040
6,422.00	91.27	314.91	5,089.79	1,145.29	-1,405.51	1,865,059.55	1,271,692.27	36.11930308	-107.49845949
6,514.00	89.65	316.23	5,089.05	1,210.98	-1,469.91	1,865,125.24	1,271,627.87	36.11948123	-107.49868035
6,606.00	90.92	315.88	5,088.60	1,277.22	-1,533.75	1,865,191.48	1,271,564.03	36.11966090	-107.49889935
6,698.00	91.10	315.52	5,086.98	1,343.05	-1,597.99	1,865,257.31	1,271,499.78	36.11983945	-107.49911969
6,790.00	91.45	314.82	5,084.93	1,408.28	-1,662.84	1,865,322.54	1,271,434.94	36.12001631	-107.49934204
6,881.00	90.35	315.70	5,083.50	1,472.91	-1,726.88	1,865,387.17	1,271,370.90	36.12019156	-107.49956165
6,973.00	91.01	315.52	5,082.41	1,538.65	-1,791.24	1,865,452.91	1,271,306.54	36.12036983	-107.49978236
7,065.00	91.32	315.08	5,080.54	1,604.03	-1,855.93	1,865,518.29	1,271,241.85	36.12054711	-107.50000423
7,155.00	91.45	313.85	5,078.36	1,667.05	-1,920.15	1,865,581.31	1,271,177.63	36.12071794	-107.50022434
7,248.00	90.04	316.05	5,077.15	1,732.74	-1,985.95	1,865,647.00	1,271,111.83	36.12089604	-107.50044997
7,340.00	89.65	315.26	5,077.40	1,798.54	-2,050.26	1,865,712.80	1,271,047.52	36.12107447	-107.50067052
7,432.00	89.25	318.16	5,078.28	1,865.49	-2,113.33	1,865,779.75	1,270,984.45	36.12125613	-107.50088696
7,524.00	89.25	318.34	5,079.49	1,934.12	-2,174.59	1,865,848.38	1,270,923.19	36.12144247	-107.50109732
7,616.00	88.86	317.72	5,081.01	2,002.52	-2,236.10	1,865,916.77	1,270,861.68	36.12162813	-107.50130854
7,707.00	88.81	317.28	5,082.86	2,069.59	-2,297.57	1,865,983.85	1,270,800.21	36.12181019	-107.50151954
7,799.00	89.03	316.40	5,084.59	2,136.69	-2,360.49	1,866,050.95	1,270,737.29	36.12199224	-107.50173547
7,891.00	89.12	315.96	5,086.08	2,203.06	-2,424.18	1,866,117.32	1,270,673.60	36.12217228	-107.50195398
7,983.00	89.52	316.14	5,087.17	2,269.29	-2,488.03	1,866,183.55	1,270,609.75	36.12235192	-107.50217300
8,076.00	89.38	315.52	5,088.06	2,335.99	-2,552.82	1,866,250.25	1,270,544.96	36.12253283	-107.50239527
8,166.00	89.34	315.08	5,089.06	2,399.96	-2,616.13	1,866,314.22	1,270,481.66	36.12270628	-107.50261236
8,258.00	89.43	315.08	5,090.05	2,465.10	-2,681.08	1,866,379.36	1,270,416.70	36.12288289	-107.50283511
8,350.00	89.52	315.00	5,090.90	2,530.20	-2,746.09	1,866,444.46	1,270,351.69	36.12305938	-107.50305801
8,444.00	89.60	316.75	5,091.62	2,597.67	-2,811.53	1,866,511.93	1,270,286.25	36.12324237	-107.50328250
8,536.00	89.17	315.79	5,092.60	2,664.15	-2,875.12	1,866,578.40	1,270,222.66	36.12342269	-107.50350068
8,625.00	89.47	316.05	5,093.66	2,728.08	-2,937.03	1,866,642.33	1,270,160.75	36.12359608	-107.50371305
8,716.00	89.34	315.35	5,094.61	2,793.20	-3,000.58	1,866,707.46	1,270,097.20	36.12377269	-107.50393104
8,807.00	89.38	314.56	5,095.62	2,857.49	-3,064.98	1,866,771.75	1,270,032.81	36.12394699	-107.50415184
8,900.00	90.00	316.93	5,096.13	2,924.10	-3,129.87	1,866,838.35	1,269,967.91	36.12412762	-107.50437445
8,991.00	90.22	317.02	5,095.95	2,990.62	-3,191.96	1,866,904.88	1,269,905.82	36.12430813	-107.50458755
9,083.00	90.13	316.05	5,095.67	3,057.39	-3,255.25	1,866,971.65	1,269,842.53	36.12448928	-107.50480472
9,175.00	90.44	316.14	5,095.21	3,123.68	-3,319.05	1,867,037.93	1,269,778.74	36.12466907	-107.50502360
9,268.00	90.53	315.70	5,094.43	3,190.48	-3,383.74	1,867,104.74	1,269,714.04	36.12485026	-107.50524553
9,360.00	90.35	314.73	5,093.72	3,255.78	-3,448.55	1,867,170.03	1,269,649.24	36.12502729	-107.50546778
9,452.00	90.04	316.23	5,093.41	3,321.37	-3,513.05	1,867,235.63	1,269,584.73	36.12520516	-107.50568903



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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
9,544.00	90.48	316.58	5,092.99	3,388.00	-3,576.49	1,867,302.26	1,269,521.29	36.12538590	-107.50590671
9,635.00	90.40	315.70	5,092.29	3,453.61	-3,639.54	1,867,367.87	1,269,458.24	36.12556386	-107.50612303
9,727.00	90.79	316.05	5,091.33	3,519.65	-3,703.59	1,867,433.90	1,269,394.19	36.12574296	-107.50634276
9,819.00	90.88	315.08	5,089.99	3,585.33	-3,767.99	1,867,499.59	1,269,329.79	36.12592107	-107.50656366
9,912.00	91.41	314.82	5,088.13	3,651.02	-3,833.80	1,867,565.28	1,269,263.99	36.12609916	-107.50678931
10,004.00	89.25	315.61	5,087.60	3,716.31	-3,898.60	1,867,630.57	1,269,199.18	36.12627618	-107.50701156
10,096.00	89.12	314.21	5,088.91	3,781.26	-3,963.75	1,867,695.51	1,269,134.04	36.12645223	-107.50723496
10,188.00	90.53	316.49	5,089.19	3,846.70	-4,028.40	1,867,760.96	1,269,069.39	36.12662968	-107.50745669
10,281.00	90.70	315.44	5,088.20	3,913.56	-4,093.04	1,867,827.81	1,269,004.75	36.12681100	-107.50767846
10,373.00	91.23	315.35	5,086.65	3,979.05	-4,157.63	1,867,893.30	1,268,940.15	36.12698857	-107.50790001
10,463.00	91.19	314.82	5,084.75	4,042.77	-4,221.16	1,867,957.02	1,268,876.62	36.12716132	-107.50811788
10,556.00	89.74	317.19	5,083.99	4,109.66	-4,285.75	1,868,023.92	1,268,812.03	36.12734275	-107.50833948
10,648.00	89.87	317.90	5,084.30	4,177.54	-4,347.85	1,868,091.79	1,268,749.93	36.12752697	-107.50855270
10,740.00	89.56	316.93	5,084.76	4,245.28	-4,410.10	1,868,159.53	1,268,687.68	36.12771079	-107.50876643
10,832.00	89.43	317.02	5,085.57	4,312.53	-4,472.87	1,868,226.78	1,268,624.91	36.12789327	-107.50898189
10,924.00	89.39	316.14	5,086.52	4,379.35	-4,536.11	1,868,293.60	1,268,561.68	36.12807454	-107.50919889
11,017.00	89.30	315.35	5,087.58	4,445.95	-4,601.00	1,868,360.21	1,268,496.78	36.12825516	-107.50942152
11,109.00	89.47	315.17	5,088.57	4,511.30	-4,665.76	1,868,425.55	1,268,432.03	36.12843233	-107.50964361
11,199.00	89.47	314.91	5,089.40	4,574.98	-4,729.35	1,868,489.23	1,268,368.44	36.12860496	-107.50986170
11,291.00	89.60	315.08	5,090.15	4,640.03	-4,794.41	1,868,554.28	1,268,303.38	36.12878129	-107.51008481
11,384.00	89.65	315.26	5,090.76	4,705.98	-4,859.97	1,868,620.23	1,268,237.82	36.12896010	-107.51030968
11,474.00	89.56	314.91	5,091.38	4,769.71	-4,923.51	1,868,683.97	1,268,174.27	36.12913288	-107.51052761
11,566.00	90.09	317.02	5,091.66	4,835.85	-4,987.46	1,868,750.10	1,268,110.33	36.12931225	-107.51074700
11,658.00	90.04	316.23	5,091.56	4,902.72	-5,050.64	1,868,816.97	1,268,047.15	36.12949366	-107.51096385
11,750.00	90.09	315.35	5,091.45	4,968.66	-5,114.79	1,868,882.92	1,267,983.00	36.12967249	-107.51118393
11,842.00	90.53	315.52	5,090.95	5,034.21	-5,179.35	1,868,948.46	1,267,918.44	36.12985020	-107.51140538
11,934.00	89.78	314.29	5,090.71	5,099.15	-5,244.51	1,869,013.41	1,267,853.28	36.13002625	-107.51162884
12,025.00	89.69	315.43	5,091.13	5,163.34	-5,309.01	1,869,077.59	1,267,788.78	36.13020024	-107.51185004
12,116.00	89.56	315.35	5,091.72	5,228.12	-5,372.91	1,869,142.37	1,267,724.87	36.13037588	-107.51206925
12,207.00	89.51	315.08	5,092.46	5,292.71	-5,437.02	1,869,206.96	1,267,660.77	36.13055098	-107.51228911
12,297.00	89.60	314.91	5,093.16	5,356.34	-5,500.66	1,869,270.59	1,267,597.13	36.13072348	-107.51250739
12,389.00	89.60	313.77	5,093.80	5,420.64	-5,566.46	1,869,334.89	1,267,531.33	36.13089772	-107.51273298
12,482.00	89.78	316.40	5,094.30	5,486.49	-5,632.11	1,869,400.74	1,267,465.67	36.13107624	-107.51295816
12,574.00	89.82	316.05	5,094.63	5,552.92	-5,695.76	1,869,467.17	1,267,402.03	36.13125641	-107.51317658
12,666.00	89.78	315.08	5,094.95	5,618.61	-5,760.17	1,869,532.86	1,267,337.62	36.13143454	-107.51339753
12,756.00	89.69	314.12	5,095.36	5,681.80	-5,824.25	1,869,596.05	1,267,273.54	36.13160580	-107.51361727
12,847.00	89.43	316.67	5,096.06	5,746.58	-5,888.14	1,869,660.83	1,267,209.64	36.13178144	-107.51383645
12,935.00	89.52	316.40	5,096.87	5,810.45	-5,948.68	1,869,724.70	1,267,149.11	36.13195469	-107.51404421
13,027.00	90.13	316.49	5,097.15	5,877.12	-6,012.07	1,869,791.37	1,267,085.72	36.13213555	-107.51426177
13,119.00	90.31	315.08	5,096.80	5,943.06	-6,076.22	1,869,857.31	1,267,021.56	36.13231435	-107.51448188
13,212.00	90.09	316.84	5,096.47	6,009.91	-6,140.87	1,869,924.16	1,266,956.92	36.13249564	-107.51470370
13,302.00	90.35	316.40	5,096.13	6,075.32	-6,202.69	1,869,989.57	1,266,895.10	36.13267309	-107.51491587
13,392.00	90.97	315.79	5,095.09	6,140.16	-6,265.09	1,870,054.41	1,266,832.70	36.13284894	-107.51513002
13,483.00	90.88	315.00	5,093.62	6,204.94	-6,328.99	1,870,119.19	1,266,768.80	36.13302457	-107.51534920
13,575.00	89.56	316.58	5,093.27	6,270.88	-6,393.13	1,870,185.13	1,266,704.66	36.13320338	-107.51556930
13,667.00	89.82	316.58	5,093.76	6,337.70	-6,456.37	1,870,251.95	1,266,641.42	36.13338464	-107.51578634
13,758.00	90.31	315.96	5,093.66	6,403.46	-6,519.27	1,870,317.71	1,266,578.52	36.13356299	-107.51600222
13,850.00	90.70	315.35	5,092.85	6,469.25	-6,583.57	1,870,383.50	1,266,514.22	36.13374138	-107.51622283
13,942.00	88.55	317.19	5,093.45	6,535.72	-6,647.16	1,870,449.97	1,266,450.63	36.13392167	-107.51644106
14,033.00	87.89	317.63	5,096.28	6,602.69	-6,708.72	1,870,516.94	1,266,389.07	36.13410338	-107.51665242
14,123.00	88.37	317.11	5,099.22	6,668.87	-6,769.64	1,870,583.12	1,266,328.15	36.13428297	-107.51686161
14,215.00	88.20	315.88	5,101.97	6,735.56	-6,832.94	1,870,649.81	1,266,264.85	36.13446388	-107.51707889
14,307.00	88.73	315.00	5,104.43	6,801.09	-6,897.47	1,870,715.34	1,266,200.32	36.13464154	-107.51730026
14,398.00	88.51	317.63	5,106.63	6,866.87	-6,960.30	1,870,781.12	1,266,137.49	36.13481996	-107.51751590
14,489.00	88.33	316.93	5,109.14	6,933.70	-7,022.01	1,870,847.95	1,266,075.78	36.13500130	-107.51772779



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 368 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=7028+28 @ 7056.00ft (Ensign 773)
Well:	S Escavada Unit 368 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
14,580.00	88.95	316.05	5,111.30	6,999.68	-7,084.64	1,870,913.93	1,266,013.15	36.13518026	-107.51794277
14,672.00	89.56	315.70	5,112.49	7,065.72	-7,148.69	1,870,979.96	1,265,949.10	36.13535933	-107.51816254
14,764.00	90.00	314.64	5,112.84	7,130.96	-7,213.55	1,871,045.21	1,265,884.24	36.13553619	-107.51838503
14,857.00	90.09	316.93	5,112.77	7,197.61	-7,278.40	1,871,111.86	1,265,819.39	36.13571693	-107.51860754
14,949.00	90.31	317.90	5,112.45	7,265.35	-7,340.65	1,871,179.60	1,265,757.14	36.13590073	-107.51882132
15,039.00	90.79	317.02	5,111.59	7,331.66	-7,401.50	1,871,245.90	1,265,696.29	36.13608066	-107.51903027
15,131.00	90.84	316.40	5,110.28	7,398.61	-7,464.58	1,871,312.86	1,265,633.21	36.13626230	-107.51924680
15,224.00	91.01	315.61	5,108.78	7,465.51	-7,529.16	1,871,379.76	1,265,568.63	36.13644371	-107.51946845
15,312.00	91.58	315.00	5,106.79	7,528.05	-7,591.04	1,871,442.30	1,265,506.75	36.13661326	-107.51968072
15,403.00	90.13	316.93	5,105.43	7,593.46	-7,654.28	1,871,507.71	1,265,443.51	36.13679063	-107.51989775
15,494.00	90.40	317.02	5,105.01	7,659.98	-7,716.37	1,871,574.23	1,265,381.42	36.13697111	-107.52011092
15,584.00	90.75	316.67	5,104.11	7,725.64	-7,777.93	1,871,639.88	1,265,319.86	36.13714922	-107.52032224
15,676.00	91.19	315.88	5,102.55	7,792.11	-7,841.51	1,871,706.36	1,265,256.28	36.13732951	-107.52054046
15,767.00	88.55	317.37	5,102.75	7,858.25	-7,904.00	1,871,772.50	1,265,193.79	36.13750891	-107.52075497
15,857.00	88.73	317.72	5,104.89	7,924.63	-7,964.73	1,871,838.88	1,265,133.06	36.13768905	-107.52096355
15,948.00	89.34	317.37	5,106.42	7,991.76	-8,026.15	1,871,906.01	1,265,071.64	36.13787121	-107.52117448
16,040.00	89.43	316.14	5,107.41	8,058.77	-8,089.17	1,871,973.02	1,265,008.62	36.13805299	-107.52139085
16,131.00	89.91	316.40	5,107.93	8,124.53	-8,152.08	1,872,038.78	1,264,945.71	36.13823133	-107.52160675
16,223.00	89.96	315.00	5,108.04	8,190.37	-8,216.33	1,872,104.62	1,264,881.46	36.13840985	-107.52182723
16,243.00	90.16	315.06	5,108.02	8,204.52	-8,230.47	1,872,118.77	1,264,867.33	36.13844821	-107.52187572
Frac Sleeve depth @ 16243 MD 5108 TVD									
16,313.00	90.86	315.25	5,107.40	8,254.15	-8,279.83	1,872,168.40	1,264,817.97	36.13858274	-107.52204505
LTP 330 perp @ 16313 MD 5107 TVD									
16,315.00	90.88	315.26	5,107.36	8,255.57	-8,281.23	1,872,169.82	1,264,816.56	36.13858659	-107.52204988
Survey @ 16315.00 MD 5107.36 TVD									
16,388.00	90.88	315.26	5,106.24	8,307.42	-8,332.61	1,872,221.66	1,264,765.18	36.13872713	-107.52222614
Survey Proj. to 16388.00 MD 5106.24 TVD 1151 FEL 161 FNL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
420.00	419.99	-1.22	-1.91	MWD surveys
3,128.00	3,115.19	21.18	-237.79	9 5/8" Casing @ 3128 MD 3115 TVD
5,393.00	5,076.25	426.94	-669.93	FTP 330 perp @ 5393 MD 5076 TVD
16,243.00	5,108.02	8,204.52	-8,230.47	Frac Sleeve depth @ 16243 MD 5108 TVD
16,313.00	5,107.40	8,254.15	-8,279.83	LTP 330 perp @ 16313 MD 5107 TVD
16,315.00	5,107.36	8,255.57	-8,281.23	Survey @ 16315.00 MD 5107.36 TVD
16,388.00	5,106.24	8,307.42	-8,332.61	Survey Proj. to 16388.00 MD 5106.24 TVD 1151 FEL 161 FNL

WELL NAME: S ESCAVADA UNIT 368H**OBJECTIVE:** Drill, complete, and equip single lateral in the Mancos-H formation**API Number:** 30-043-21331**State:** New Mexico**County:** Sandoval**Surface Elev.:** 7,028 ft ASL (GL) 7,056 ft ASL (KB)**Surface Location:** 29-22N-06W Sec-Twn- Rng 160 ft FNL 2,190 ft FWL**BH Location:** 13-22N-06W Sec-Twn- Rng 2335 ft FSL 1000 ft FEL**Driving Directions:** FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 54.4 miles to MM 97.5; Right (S) on 550 on Indian Service Route #46 for 3.5 miles to fork; Right (S) on ISR #36 for 1.1 miles to fork; Right (S) on ISR #46 for 4.9 miles to fork; Right (W) on ISR #46 for 0.3 miles; Right (N) on access road into S Escavada Unit 368H Pad (Wells: 368H, 370H, 371H).

QUICK REFERENCE

Sur TD (MD)	350 ft
Int TD (MD)	3,108 ft
Int TD (TVD)	3,103 ft
KOP (MD)	4,604 ft
KOP (TVD)	4,579 ft
Target (TVD)	5,071 ft
Curve BUR	10 °/100 ft
POE (MD)	5,485 ft
TD (MD)	16,114 ft
Lat Len (ft)	10,629 ft

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	3,108	9.625	36.0	J-55	LTC	0	3,108
Production	8.500	16,114	5.500	17.0	P-110	LTC	0	16,114

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	Type III	14.6	1.39	6.686	0.6946	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.13	12.05	0.3627	70%	0	624
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,608	136
Prod. (Lead)	Type III	12.3	2.260	12.80	0.2691	65%	0	581
Prod. (Tail)	G:POZ blend	13.3	1.550	7.70	0.2291	10%	4,371	1,909

COMPLETION / PRODUCTION SUMMARY:**Frac:** 48 plug-and-perf stages with 340,000 bbls slickwater fluid and 17,000,000 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

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 60997

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 60997
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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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 60997

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 60997
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 2/15/2022.	11/19/2021