

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 30-043-21332	⁵ Pool Name Rusty Gallup Oil		⁶ Pool Code 52860
⁷ Property Code 322151	⁸ Property Name S ESCAVADA UNIT		⁹ Well Number #370H

II. ¹⁰ Surface Location

UL or lot no. C	Section 29	Township 22N	Range 6W	Lot Idn	Feet from the 163'	North/South Line North	Feet from the 2230'	East/West line West	County Sandoval
--------------------	---------------	-----------------	-------------	---------	-----------------------	---------------------------	------------------------	------------------------	--------------------

¹¹ Bottom Hole Location

UL or lot no. L	Section 18	Township 22N	Range 6W	Lot Idn	Feet from the 2515'	North/South line South	Feet from the 365'	East/West line West	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 7/29/21	²² Ready Date 11/15/2021	²³ TD 16590' MD 5082' TVD	²⁴ PBDT 16426 MD 5090' TVD	²⁵ Perforations ~ 5489'-16434' MD ~ 5039'-5090' 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		362' MD		275 sx - surface
12-1/4"		9-5/8",36#, J-55		3306' MD		757 sx- surface
8-1/2"		5-1/2",17#, P-110		16574' MD		2663 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 Approved by: <i>PATRICIA MARTINEZ</i>
Printed name: Deidre Duffy	Title: <i>PETROLEUM SPECIALIST</i>
Title: Senior Ecologist	Approval Date: <i>11/19/2021</i>
E-mail Address: Deidre.duffy@wsp.com	<i>RT EXPIRES 2/15/2022</i>
Date: 10/25/2021	

District I
1025 N. Francis Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462Submit one copy to
Appropriate District OfficeOIL 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 52860	³ Pool Name RUSTY GALLUP OIL POOL
⁴ Property Code 322151	⁵ Property Name S ESCAVADA UNIT	⁶ Well Number 370H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 7028'

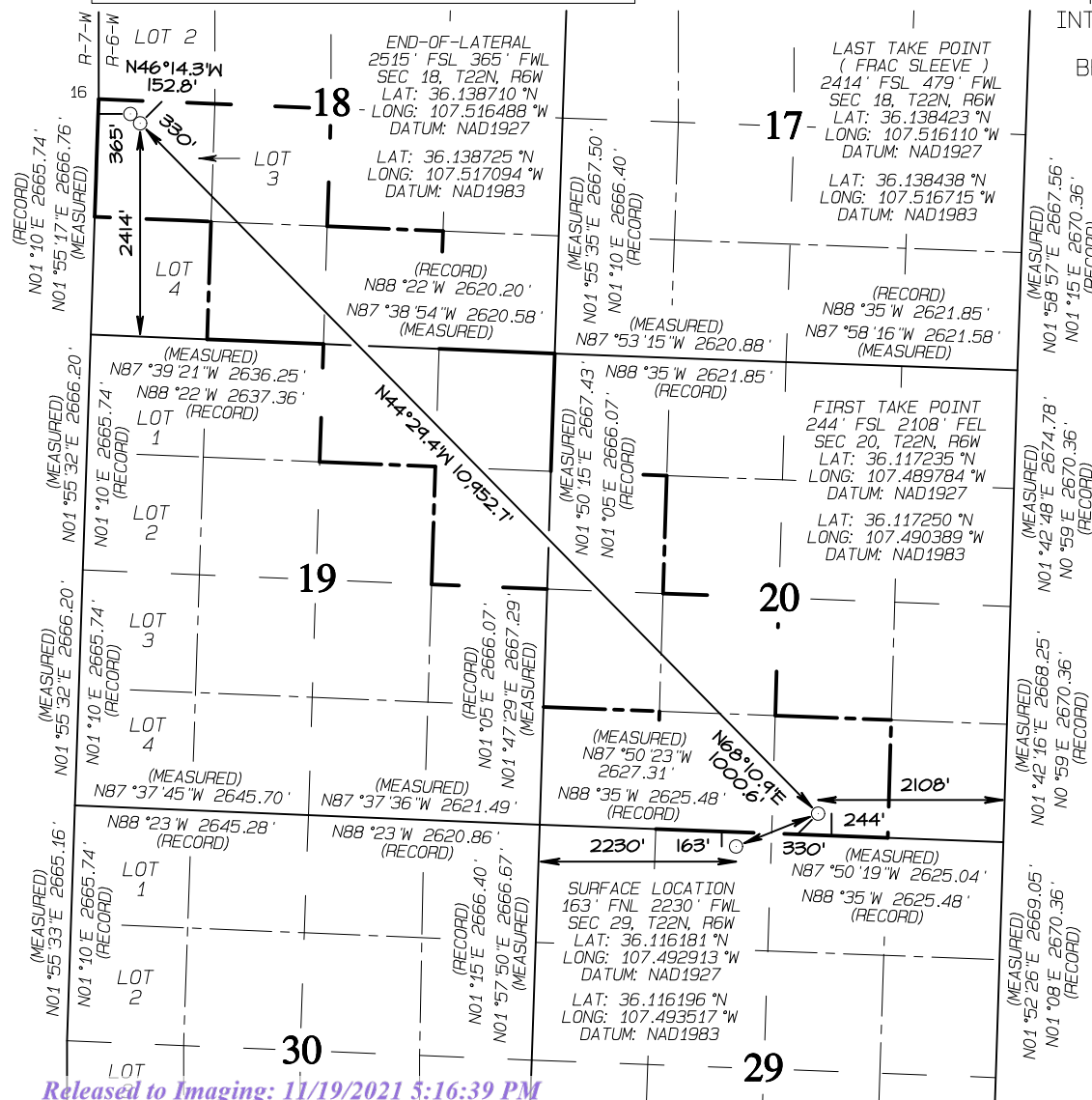
¹⁰ Surface Location

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		163	NORTH	2230	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
L	18	22N	6W	3	2515	SOUTH	365	WEST	SANDOVAL

¹² Dedicated Acres SW/4 SE/4, SE/4 SW/4 N/2 SW/4, SW/4 NW/4 - Section 20 SE/4 NE/4, N/2 NE/4 - Section 19 SW/4 SE/4, E/2 SW/4 480.68 NW/4 SW/4 - Section 18	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 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 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: OCTOBER 13, 2021
Survey Date: DECEMBER 12, 2018

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



Well: S Escavada Unit 370 H
Site: S Escavada Unit
Project: Sandoval County, NM NAD83 NM C
Design: Surveys Original Hole
Rig: Ensign 773

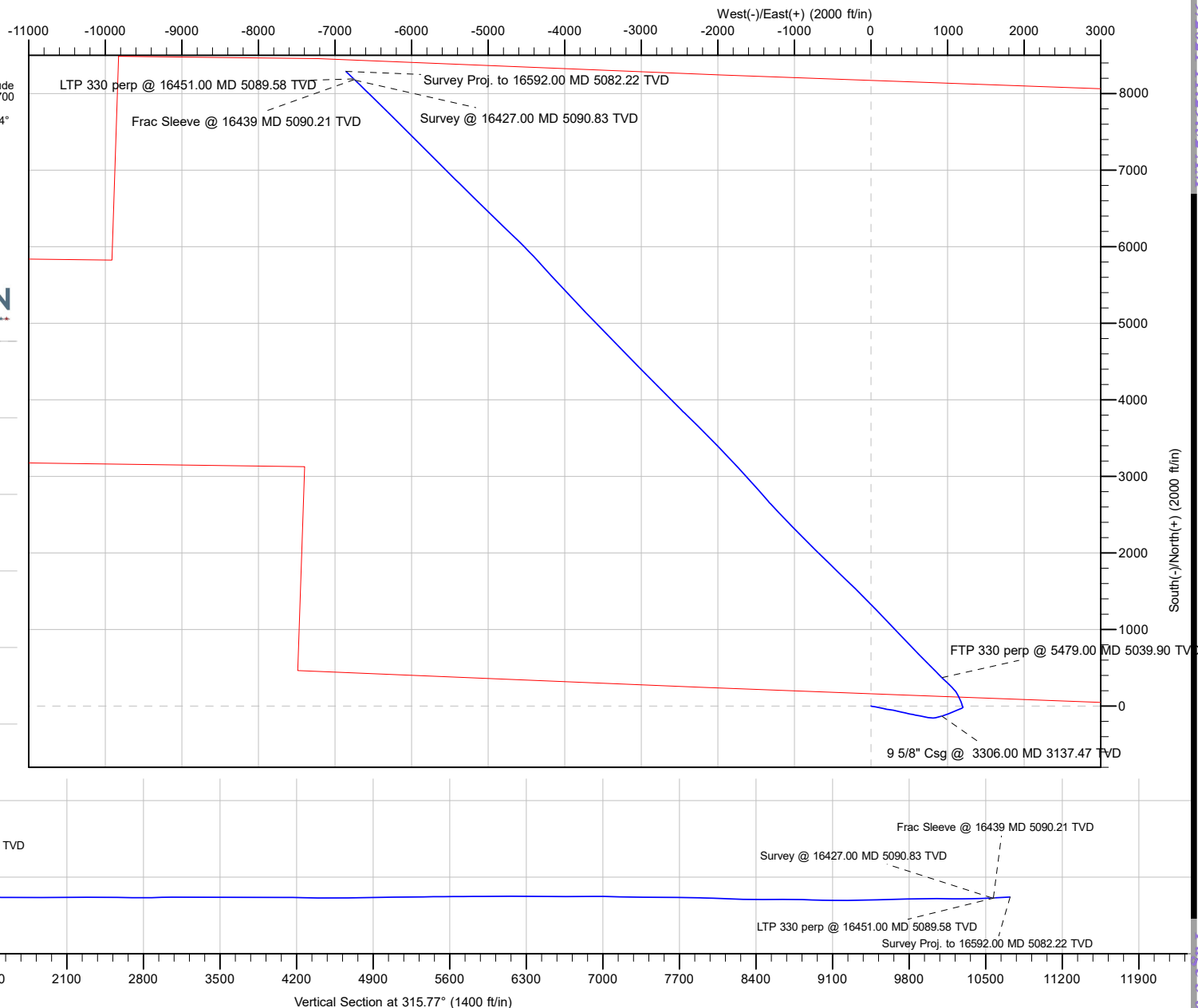
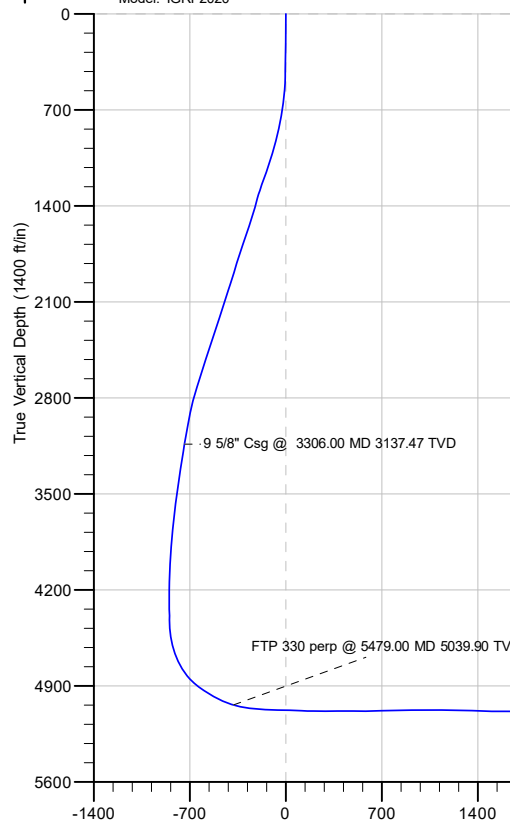
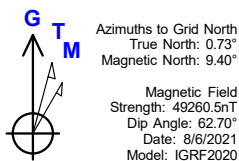
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
415.00	1.27	88.32	414.97	0.13	4.60	-3.11	MWD surveys
3306.00	19.19	72.79	3137.47	-129.45	925.29	-738.19	9 5/8" Csg @ 3306.00 MD 3137.47 TVD
5479.00	74.03	314.78	5039.90	372.05	928.83	-381.31	FTP 330 perp @ 5479.00 MD 5039.90 TVD
16427.00	92.99	313.77	5090.83	8177.20	-6737.90	10559.30	Survey @ 16427.00 MD 5090.83 TVD
16439.00	92.99	313.77	5090.21	8185.49	-6746.56	10571.27	Frac Sleeve @ 16439 MD 5090.21 TVD
16451.00	92.99	313.77	5089.58	8193.78	-6755.21	10583.25	LTP 330 perp @ 16451.00 MD 5089.58 TVD
16592.00	92.99	313.77	5082.22	8291.19	-6856.89	10723.97	Survey Proj. to 16592.00 MD 5082.22 TVD

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: 1863909.75 Easting: 1273137.60 Latitude: 36.11619600 Longitude: -107.49351700

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





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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	Latitude:	36.11254900
From:	Lat/Long	Easting:	1,257,590.21 usft	Longitude:	-107.54609400
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "		

Well	S Escavada Unit 370 H, Surf loc: 163 FNL 2230 FWL Section 29-T22N-R06W					
Well Position	+N/-S	0.00 ft	Northing:	1,863,909.75 usft	Latitude:	36.11619600
	+E/-W	0.00 ft	Easting:	1,273,137.60 usft	Longitude:	-107.49351700
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	7,028.00 ft
Grid Convergence:		-0.733 °				

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/6/2021	8.670	62.703	49,260.52614763

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	315.77	

Survey Program	Date	10/5/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
415.00	3,155.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
3,245.00	16,427.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
16,592.00	16,592.00	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	
415.00	1.27	88.32	414.97	0.13	4.60	-3.11	0.31	0.31	0.00	
MWD surveys										
506.00	2.99	95.09	505.90	-0.05	7.97	-5.59	1.91	1.89	7.44	
596.00	7.34	99.05	595.51	-1.16	15.99	-11.98	4.85	4.83	4.40	
688.00	10.68	100.02	686.37	-3.57	30.19	-23.62	3.63	3.63	1.05	
779.00	12.79	100.81	775.46	-6.92	48.39	-38.72	2.33	2.32	0.87	
870.00	15.21	100.98	863.75	-11.09	70.01	-56.78	2.66	2.66	0.19	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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)
960.00	17.93	101.25	950.00	-16.04	95.19	-77.89	3.02	3.02	0.30
1,050.00	21.40	101.69	1,034.74	-22.07	124.86	-102.91	3.86	3.86	0.49
1,140.00	22.85	102.30	1,118.11	-29.12	158.02	-131.09	1.63	1.61	0.68
1,232.00	22.68	102.56	1,202.94	-36.78	192.78	-160.83	0.21	-0.18	0.28
1,323.00	21.23	100.72	1,287.34	-43.66	226.10	-189.00	1.76	-1.59	-2.02
1,413.00	19.56	97.03	1,371.70	-48.54	257.06	-214.09	2.34	-1.86	-4.10
1,505.00	20.30	97.91	1,458.19	-52.62	288.16	-238.71	0.87	0.80	0.96
1,598.00	21.93	102.04	1,544.95	-58.46	321.12	-265.89	2.37	1.75	4.44
1,688.00	22.32	104.41	1,628.32	-66.22	354.11	-294.46	1.08	0.43	2.63
1,780.00	21.27	104.23	1,713.75	-74.67	387.21	-323.60	1.14	-1.14	-0.20
1,872.00	20.08	103.09	1,799.82	-82.35	418.77	-351.12	1.37	-1.29	-1.24
1,964.00	20.79	101.77	1,886.03	-89.26	450.14	-377.95	0.92	0.77	-1.43
2,057.00	21.23	102.39	1,972.85	-96.24	482.74	-405.69	0.53	0.47	0.67
2,147.00	20.21	101.77	2,057.03	-102.91	513.88	-432.19	1.16	-1.13	-0.69
2,239.00	21.62	101.33	2,142.96	-109.48	546.05	-459.34	1.54	1.53	-0.48
2,330.00	22.37	100.98	2,227.34	-116.07	579.49	-487.39	0.84	0.82	-0.38
2,422.00	21.40	100.28	2,312.71	-122.40	613.19	-515.43	1.09	-1.05	-0.76
2,514.00	20.79	100.46	2,398.54	-128.36	645.77	-542.42	0.67	-0.66	0.20
2,606.00	22.10	101.16	2,484.17	-134.67	678.80	-569.99	1.45	1.42	0.76
2,697.00	22.28	101.69	2,568.43	-141.48	712.49	-598.37	0.30	0.20	0.58
2,788.00	21.70	101.16	2,652.81	-148.23	745.89	-626.50	0.67	-0.64	-0.58
2,880.00	21.09	95.44	2,738.48	-153.10	779.06	-653.12	2.36	-0.66	-6.22
2,971.00	20.61	87.97	2,823.54	-154.08	811.37	-676.37	2.97	-0.53	-8.21
3,063.00	20.96	79.98	2,909.57	-150.64	843.76	-696.50	3.10	0.38	-8.68
3,155.00	20.74	74.79	2,995.55	-143.51	875.69	-713.65	2.02	-0.24	-5.64
3,245.00	19.82	74.35	3,079.97	-135.21	905.76	-728.69	1.04	-1.02	-0.49
3,306.00	19.19	72.79	3,137.47	-129.45	925.29	-738.19	1.34	-1.04	-2.55
9 5/8" Csg @ 3306.00 MD 3137.47 TVD									
3,365.00	18.59	71.19	3,193.29	-123.55	943.46	-746.63	1.34	-1.01	-2.72
3,455.00	21.80	71.10	3,277.75	-113.51	972.85	-759.94	3.57	3.57	-0.10
3,547.00	21.01	69.34	3,363.40	-102.16	1,004.45	-773.84	1.11	-0.86	-1.91
3,639.00	20.61	68.64	3,449.40	-90.44	1,034.96	-786.73	0.51	-0.43	-0.76
3,731.00	19.29	67.32	3,535.88	-78.68	1,064.06	-798.61	1.52	-1.43	-1.43
3,824.00	18.02	66.97	3,623.99	-67.13	1,091.47	-809.45	1.37	-1.37	-0.38
3,914.00	16.79	66.09	3,709.87	-56.42	1,116.17	-819.00	1.40	-1.37	-0.98
4,006.00	12.88	67.50	3,798.78	-47.11	1,137.80	-827.41	4.27	-4.25	1.53
4,097.00	11.60	68.11	3,887.71	-39.81	1,155.66	-834.65	1.41	-1.41	0.67
4,189.00	10.90	66.27	3,977.94	-32.86	1,172.21	-841.21	0.85	-0.76	-2.00
4,281.00	8.39	61.96	4,068.64	-26.21	1,186.10	-846.13	2.84	-2.73	-4.68
4,373.00	5.01	52.29	4,160.00	-20.59	1,195.20	-848.46	3.86	-3.67	-10.51
4,464.00	3.60	53.08	4,250.74	-16.45	1,200.63	-849.27	1.55	-1.55	0.87
4,555.00	1.49	7.03	4,341.65	-13.55	1,203.06	-848.89	3.06	-2.32	-50.60
4,601.00	1.19	353.23	4,387.64	-12.49	1,203.07	-848.14	0.95	-0.65	-30.00
4,647.00	0.70	223.94	4,433.64	-12.22	1,202.82	-847.77	3.74	-1.07	-281.07



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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)
4,693.00	3.91	325.81	4,479.60	-11.12	1,201.75	-846.23	8.94	6.98	221.46
4,738.00	8.61	333.01	4,524.32	-6.85	1,199.35	-841.50	10.57	10.44	16.00
4,784.00	13.10	336.79	4,569.49	1.02	1,195.74	-833.34	9.88	9.76	8.22
4,830.00	16.39	344.18	4,613.97	12.06	1,191.91	-822.77	8.22	7.15	16.07
4,876.00	20.35	342.95	4,657.62	25.95	1,187.79	-809.94	8.65	8.61	-2.67
4,922.00	24.08	339.96	4,700.20	42.42	1,182.23	-794.26	8.47	8.11	-6.50
4,968.00	29.49	336.53	4,741.25	61.64	1,174.50	-775.09	12.23	11.76	-7.46
5,014.00	33.75	336.27	4,780.41	83.73	1,164.84	-752.53	9.27	9.26	-0.57
5,059.00	39.20	335.47	4,816.58	108.13	1,153.90	-727.41	12.16	12.11	-1.78
5,104.00	44.43	332.57	4,850.11	135.07	1,140.73	-698.92	12.39	11.62	-6.44
5,149.00	49.48	329.06	4,880.82	163.74	1,124.67	-667.17	12.58	11.22	-7.80
5,191.00	53.26	324.14	4,907.05	191.09	1,106.59	-634.96	12.83	9.00	-11.71
5,236.00	56.07	317.72	4,933.09	219.55	1,083.45	-598.43	13.20	6.24	-14.27
5,281.00	60.03	315.26	4,956.90	247.22	1,057.15	-560.26	9.95	8.80	-5.47
5,324.00	59.72	314.12	4,978.48	273.37	1,030.71	-523.08	2.40	-0.72	-2.65
5,368.00	63.06	313.50	4,999.55	300.11	1,002.84	-484.48	7.69	7.59	-1.41
5,413.00	67.59	313.94	5,018.33	328.36	973.30	-443.63	10.11	10.07	0.98
5,455.00	71.89	314.73	5,032.87	355.89	945.12	-404.25	10.39	10.24	1.88
5,479.00	74.03	314.78	5,039.90	372.05	928.83	-381.31	8.91	8.91	0.21
FTP 330 perp @ 5479.00 MD 5039.90 TVD									
5,498.00	75.72	314.82	5,044.86	384.97	915.82	-362.97	8.91	8.91	0.21
5,543.00	78.44	314.91	5,054.92	415.91	884.73	-319.12	6.05	6.04	0.20
5,587.00	81.83	315.17	5,062.46	446.58	854.11	-275.78	7.73	7.70	0.59
5,632.00	85.83	315.44	5,067.30	478.38	822.65	-231.05	8.91	8.89	0.60
5,717.00	86.57	315.35	5,072.93	538.76	763.09	-146.24	0.88	0.87	-0.11
5,804.00	88.64	315.70	5,076.56	600.78	702.19	-59.32	2.41	2.38	0.40
5,892.00	88.33	315.35	5,078.89	663.56	640.56	28.65	0.53	-0.35	-0.40
5,979.00	87.63	314.38	5,081.96	724.89	578.94	115.58	1.37	-0.80	-1.11
6,064.00	88.64	315.70	5,084.72	785.00	518.91	200.53	1.95	1.19	1.55
6,151.00	90.79	316.40	5,085.16	847.63	458.54	287.52	2.60	2.47	0.80
6,241.00	90.09	316.49	5,084.47	912.85	396.52	377.51	0.78	-0.78	0.10
6,356.00	89.91	316.75	5,084.47	996.44	317.54	492.50	0.27	-0.16	0.23
6,447.00	89.65	317.28	5,084.82	1,063.01	255.49	583.48	0.65	-0.29	0.58
6,539.00	91.67	316.40	5,083.76	1,130.11	192.57	675.45	2.39	2.20	-0.96
6,631.00	91.54	316.23	5,081.18	1,196.61	129.05	767.41	0.23	-0.14	-0.18
6,723.00	91.76	315.88	5,078.53	1,262.82	65.23	859.37	0.45	0.24	-0.38
6,816.00	91.45	315.61	5,075.92	1,329.41	0.36	952.33	0.44	-0.33	-0.29
6,906.00	89.56	315.08	5,075.13	1,393.42	-62.89	1,042.32	2.18	-2.10	-0.59
6,998.00	89.08	314.73	5,076.22	1,458.36	-128.05	1,134.30	0.65	-0.52	-0.38
7,090.00	88.51	314.29	5,078.16	1,522.84	-193.64	1,226.26	0.78	-0.62	-0.48
7,181.00	88.24	313.94	5,080.74	1,586.16	-258.95	1,317.19	0.49	-0.30	-0.38
7,273.00	87.71	313.41	5,083.99	1,649.66	-325.45	1,409.07	0.81	-0.58	-0.58
7,365.00	89.43	314.64	5,086.29	1,713.57	-391.57	1,500.99	2.30	1.87	1.34



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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)	
7,457.00	89.69	314.47	5,086.99	1,778.12	-457.13	1,592.97	0.34	0.28	-0.18	
7,549.00	89.25	314.29	5,087.84	1,842.46	-522.88	1,684.93	0.52	-0.48	-0.20	
7,641.00	90.79	314.73	5,087.81	1,906.95	-588.48	1,776.91	1.74	1.67	0.48	
7,732.00	90.62	314.73	5,086.69	1,970.99	-653.13	1,867.89	0.19	-0.19	0.00	
7,824.00	90.40	314.47	5,085.87	2,035.58	-718.63	1,959.86	0.37	-0.24	-0.28	
7,916.00	90.22	313.77	5,085.37	2,099.63	-784.68	2,051.82	0.79	-0.20	-0.76	
8,009.00	90.09	316.23	5,085.12	2,165.39	-850.43	2,144.81	2.65	-0.14	2.65	
8,101.00	90.18	316.05	5,084.91	2,231.72	-914.18	2,236.81	0.22	0.10	-0.20	
8,193.00	89.87	315.61	5,084.87	2,297.71	-978.28	2,328.81	0.59	-0.34	-0.48	
8,285.00	89.69	315.26	5,085.22	2,363.26	-1,042.84	2,420.80	0.43	-0.20	-0.38	
8,377.00	89.08	314.64	5,086.21	2,428.25	-1,107.95	2,512.79	0.95	-0.66	-0.67	
8,469.00	89.74	317.02	5,087.15	2,494.23	-1,172.04	2,604.78	2.68	0.72	2.59	
8,561.00	89.60	316.75	5,087.68	2,561.39	-1,234.92	2,696.76	0.33	-0.15	-0.29	
8,650.00	89.34	316.84	5,088.51	2,626.26	-1,295.85	2,785.74	0.31	-0.29	0.10	
8,741.00	91.54	319.13	5,087.81	2,693.86	-1,356.75	2,876.66	3.49	2.42	2.52	
8,832.00	91.14	318.95	5,085.68	2,762.56	-1,416.38	2,967.48	0.48	-0.44	-0.20	
8,925.00	90.62	318.60	5,084.25	2,832.50	-1,477.67	3,060.34	0.67	-0.56	-0.38	
9,016.00	90.18	317.98	5,083.62	2,900.43	-1,538.21	3,151.25	0.84	-0.48	-0.68	
9,108.00	89.82	317.90	5,083.62	2,968.73	-1,599.84	3,243.19	0.40	-0.39	-0.09	
9,200.00	89.78	317.72	5,083.94	3,036.90	-1,661.63	3,335.13	0.20	-0.04	-0.20	
9,293.00	89.60	317.37	5,084.44	3,105.51	-1,724.40	3,428.08	0.42	-0.19	-0.38	
9,385.00	89.12	316.93	5,085.47	3,172.96	-1,786.97	3,520.05	0.71	-0.52	-0.48	
9,477.00	88.81	316.49	5,087.13	3,239.91	-1,850.04	3,612.02	0.58	-0.34	-0.48	
9,570.00	90.84	316.23	5,087.41	3,307.21	-1,914.22	3,705.01	2.20	2.18	-0.28	
9,660.00	90.70	316.05	5,086.21	3,372.10	-1,976.57	3,795.00	0.25	-0.16	-0.20	
9,752.00	90.13	315.79	5,085.54	3,438.18	-2,040.57	3,887.00	0.68	-0.62	-0.28	
9,845.00	89.60	315.52	5,085.76	3,504.69	-2,105.58	3,980.00	0.64	-0.57	-0.29	
9,937.00	89.60	315.08	5,086.40	3,570.08	-2,170.29	4,071.99	0.48	0.00	-0.48	
10,029.00	89.38	314.38	5,087.22	3,634.83	-2,235.64	4,163.97	0.80	-0.24	-0.76	
10,122.00	89.12	314.03	5,088.44	3,699.66	-2,302.30	4,256.93	0.47	-0.28	-0.38	
10,214.00	89.08	315.00	5,089.88	3,764.16	-2,367.90	4,348.89	1.06	-0.04	1.05	
10,306.00	88.73	313.50	5,091.64	3,828.34	-2,433.78	4,440.84	1.67	-0.38	-1.63	
10,398.00	90.70	315.00	5,092.10	3,892.53	-2,499.68	4,532.80	2.69	2.14	1.63	
10,489.00	90.88	315.44	5,090.84	3,957.12	-2,563.77	4,623.79	0.52	0.20	0.48	
10,581.00	90.04	315.17	5,090.10	4,022.51	-2,628.47	4,715.78	0.96	-0.91	-0.29	
10,673.00	91.05	316.23	5,089.23	4,088.35	-2,692.72	4,807.77	1.59	1.10	1.15	
10,765.00	91.19	316.14	5,087.43	4,154.73	-2,756.41	4,899.75	0.18	0.15	-0.10	
10,858.00	90.79	315.61	5,085.82	4,221.47	-2,821.15	4,992.74	0.71	-0.43	-0.57	
10,950.00	90.84	315.00	5,084.52	4,286.87	-2,885.84	5,084.73	0.67	0.05	-0.66	
11,042.00	90.66	314.73	5,083.31	4,351.76	-2,951.05	5,176.71	0.35	-0.20	-0.29	
11,134.00	90.22	313.50	5,082.60	4,415.80	-3,017.09	5,268.66	1.42	-0.48	-1.34	
11,224.00	90.97	316.31	5,081.67	4,479.32	-3,080.83	5,358.64	3.23	0.83	3.12	
11,317.00	90.79	316.40	5,080.24	4,546.61	-3,145.01	5,451.62	0.22	-0.19	0.10	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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)	
11,409.00	90.31	315.26	5,079.36	4,612.60	-3,209.11	5,543.62	1.34	-0.52	-1.24	
11,499.00	90.35	315.00	5,078.84	4,676.38	-3,272.60	5,633.61	0.29	0.04	-0.29	
11,591.00	90.48	314.38	5,078.17	4,741.08	-3,338.01	5,725.59	0.69	0.14	-0.67	
11,683.00	90.31	316.23	5,077.54	4,806.47	-3,402.71	5,817.58	2.02	-0.18	2.01	
11,775.00	90.66	316.14	5,076.76	4,872.86	-3,466.40	5,909.58	0.39	0.38	-0.10	
11,868.00	90.44	316.40	5,075.87	4,940.05	-3,530.68	6,002.57	0.37	-0.24	0.28	
11,960.00	90.48	315.35	5,075.13	5,006.09	-3,594.73	6,094.56	1.14	0.04	-1.14	
12,050.00	89.60	317.11	5,075.07	5,071.08	-3,656.99	6,184.56	2.19	-0.98	1.96	
12,142.00	89.43	316.67	5,075.84	5,138.24	-3,719.86	6,276.54	0.51	-0.18	-0.48	
12,232.00	89.47	316.75	5,076.71	5,203.75	-3,781.57	6,366.52	0.10	0.04	0.09	
12,322.00	89.38	316.23	5,077.61	5,269.02	-3,843.53	6,456.51	0.59	-0.10	-0.58	
12,415.00	89.17	315.44	5,078.79	5,335.72	-3,908.32	6,549.50	0.88	-0.23	-0.85	
12,507.00	90.53	318.07	5,079.03	5,402.73	-3,971.34	6,641.47	3.22	1.48	2.86	
12,599.00	90.62	317.28	5,078.11	5,470.75	-4,033.29	6,733.42	0.86	0.10	-0.86	
12,691.00	90.79	316.84	5,076.97	5,538.09	-4,095.95	6,825.39	0.51	0.18	-0.48	
12,781.00	89.25	317.72	5,076.94	5,604.21	-4,157.01	6,915.35	1.97	-1.71	0.98	
12,872.00	89.91	317.81	5,077.61	5,671.58	-4,218.18	7,006.30	0.73	0.73	0.10	
12,960.00	88.46	317.90	5,078.86	5,736.82	-4,277.22	7,094.23	1.65	-1.65	0.10	
13,052.00	88.64	317.19	5,081.19	5,804.68	-4,339.30	7,186.15	0.80	0.20	-0.77	
13,145.00	88.64	316.31	5,083.40	5,872.40	-4,403.00	7,279.11	0.95	0.00	-0.95	
13,237.00	89.21	315.96	5,085.12	5,938.71	-4,466.74	7,371.09	0.73	0.62	-0.38	
13,327.00	89.43	315.26	5,086.19	6,003.02	-4,529.70	7,461.08	0.82	0.24	-0.78	
13,417.00	89.74	314.82	5,086.84	6,066.71	-4,593.29	7,551.07	0.60	0.34	-0.49	
13,508.00	90.66	314.47	5,086.53	6,130.65	-4,658.03	7,642.06	1.08	1.01	-0.38	
13,600.00	89.03	313.68	5,086.77	6,194.64	-4,724.12	7,734.01	1.97	-1.77	-0.86	
13,692.00	89.17	312.97	5,088.22	6,257.76	-4,791.04	7,825.92	0.79	0.15	-0.77	
13,783.00	87.93	314.73	5,090.52	6,320.78	-4,856.64	7,916.83	2.37	-1.36	1.93	
13,875.00	87.85	313.59	5,093.91	6,384.83	-4,922.60	8,008.73	1.24	-0.09	-1.24	
13,968.00	87.98	312.80	5,097.29	6,448.44	-4,990.35	8,101.57	0.86	0.14	-0.85	
14,058.00	87.85	315.79	5,100.57	6,511.24	-5,054.72	8,191.47	3.32	-0.14	3.32	
14,148.00	88.55	315.61	5,103.40	6,575.62	-5,117.55	8,281.43	0.80	0.78	-0.20	
14,241.00	89.17	315.00	5,105.25	6,641.72	-5,182.94	8,374.41	0.94	0.67	-0.66	
14,333.00	90.18	314.38	5,105.77	6,706.42	-5,248.35	8,466.39	1.29	1.10	-0.67	
14,423.00	90.70	313.68	5,105.08	6,768.97	-5,313.05	8,556.34	0.97	0.58	-0.78	
14,515.00	90.26	313.24	5,104.31	6,832.25	-5,379.83	8,648.26	0.68	-0.48	-0.48	
14,605.00	88.95	314.82	5,104.93	6,894.80	-5,444.53	8,738.22	2.28	-1.46	1.76	
14,697.00	88.33	315.35	5,107.11	6,959.93	-5,509.47	8,830.18	0.89	-0.67	0.58	
14,783.00	88.77	314.73	5,109.29	7,020.76	-5,570.22	8,916.15	0.88	0.51	-0.72	
14,876.00	88.46	315.17	5,111.53	7,086.45	-5,636.02	9,009.11	0.58	-0.33	0.47	
14,968.00	88.86	315.79	5,113.69	7,152.02	-5,700.50	9,101.08	0.80	0.43	0.67	
15,058.00	89.69	315.35	5,114.82	7,216.29	-5,763.50	9,191.07	1.04	0.92	-0.49	
15,151.00	90.61	314.90	5,114.58	7,282.19	-5,829.12	9,284.07	1.10	0.99	-0.48	
15,243.00	91.76	314.64	5,112.68	7,346.97	-5,894.42	9,376.03	1.28	1.25	-0.28	
15,331.00	92.59	314.21	5,109.34	7,408.52	-5,957.22	9,463.94	1.06	0.94	-0.49	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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)	
15,423.00	92.19	314.73	5,105.50	7,472.91	-6,022.81	9,555.84	0.71	-0.43	0.57	
15,513.00	90.65	314.99	5,103.27	7,536.38	-6,086.59	9,645.80	1.74	-1.71	0.29	
15,603.00	91.80	314.56	5,101.35	7,599.75	-6,150.46	9,735.76	1.36	1.28	-0.48	
15,695.00	90.88	315.17	5,099.20	7,664.63	-6,215.65	9,827.72	1.20	-1.00	0.66	
15,786.00	89.38	315.44	5,098.99	7,729.32	-6,279.65	9,918.72	1.67	-1.65	0.30	
15,876.00	90.84	315.52	5,098.82	7,793.49	-6,342.75	10,008.71	1.62	1.62	0.09	
15,967.00	89.34	314.82	5,098.67	7,858.02	-6,406.90	10,099.70	1.82	-1.65	-0.77	
16,059.00	89.69	314.03	5,099.45	7,922.42	-6,472.61	10,191.68	0.94	0.38	-0.86	
16,150.00	90.13	313.77	5,099.60	7,985.52	-6,538.18	10,282.63	0.56	0.48	-0.29	
16,242.00	91.41	313.85	5,098.36	8,049.20	-6,604.56	10,374.56	1.39	1.39	0.09	
16,334.00	92.46	313.85	5,095.25	8,112.90	-6,670.87	10,466.46	1.14	1.14	0.00	
16,427.00	92.99	313.77	5,090.83	8,177.20	-6,737.90	10,559.30	0.58	0.57	-0.09	
Survey @ 16427.00 MD 5090.83 TVD										
16,439.00	92.99	313.77	5,090.21	8,185.49	-6,746.56	10,571.27	0.00	0.00	0.00	
Frac Sleeve @ 16439 MD 5090.21 TVD										
16,451.00	92.99	313.77	5,089.58	8,193.78	-6,755.21	10,583.25	0.00	0.00	0.00	
LTP 330 perp @ 16451.00 MD 5089.58 TVD										
16,592.00	92.99	313.77	5,082.22	8,291.19	-6,856.89	10,723.97	0.00	0.00	0.00	
Survey Proj. to 16592.00 MD 5082.22 TVD										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
415.00	414.97	0.13	4.60	MWD surveys	
3,306.00	3,137.47	-129.45	925.29	9 5/8" Csg @ 3306.00 MD 3137.47 TVD	
5,479.00	5,039.90	372.05	928.83	FTP 330 perp @ 5479.00 MD 5039.90 TVD	
16,427.00	5,090.83	8,177.20	-6,737.90	Survey @ 16427.00 MD 5090.83 TVD	
16,439.00	5,090.21	8,185.49	-6,746.56	Frac Sleeve @ 16439 MD 5090.21 TVD	
16,451.00	5,089.58	8,193.78	-6,755.21	LTP 330 perp @ 16451.00 MD 5089.58 TVD	
16,592.00	5,082.22	8,291.19	-6,856.89	Survey Proj. to 16592.00 MD 5082.22 TVD	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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 370 H, Surf loc: 163 FNL 2230 FWL Section 29-T22N-R06W		
Well Position	+N/-S	0.00 ft	Northing: 1,863,909.75 usft
	+E/-W	0.00 ft	Easting: 1,273,137.60 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.11619600
		Longitude:	-107.49351700
		Ground Level:	7,028.00 ft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	8/6/2021	8.670
			Dip Angle (°)
			62.703
			Field Strength (nT)
			49,260.52614763

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)
	0.00	0.00	0.00
			Direction (°)
			315.77

Survey Program	Date	10/5/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
415.00	3,155.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard
3,245.00	16,427.00	MWD (Original Hole)	MWD	OWSG MWD - Standard
16,592.00	16,592.00	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	1,863,909.75	1,273,137.60	36.11619600	-107.49351700
415.00	1.27	88.32	414.97	0.13	4.60	1,863,909.88	1,273,142.20	36.11619653	-107.49350145
MWD surveys									
506.00	2.99	95.09	505.90	-0.05	7.97	1,863,909.70	1,273,145.57	36.11619615	-107.49349002
596.00	7.34	99.05	595.51	-1.16	15.99	1,863,908.59	1,273,153.59	36.11619338	-107.49346283
688.00	10.68	100.02	686.37	-3.57	30.19	1,863,906.18	1,273,167.79	36.11618726	-107.49341465
779.00	12.79	100.81	775.46	-6.92	48.39	1,863,902.82	1,273,185.99	36.11617868	-107.49335290
870.00	15.21	100.98	863.75	-11.09	70.01	1,863,898.66	1,273,207.61	36.11616801	-107.49327955
960.00	17.93	101.25	950.00	-16.04	95.19	1,863,893.71	1,273,232.79	36.11615529	-107.49319409
1,050.00	21.40	101.69	1,034.74	-22.07	124.86	1,863,887.68	1,273,262.46	36.11613977	-107.49309338



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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
1,140.00	22.85	102.30	1,118.11	-29.12	158.02	1,863,880.63	1,273,295.62	36.11612157	-107.49298085
1,232.00	22.68	102.56	1,202.94	-36.78	192.78	1,863,872.96	1,273,330.38	36.11610174	-107.49286283
1,323.00	21.23	100.72	1,287.34	-43.66	226.10	1,863,866.08	1,273,363.70	36.11608402	-107.49274976
1,413.00	19.56	97.03	1,371.70	-48.54	257.06	1,863,861.21	1,273,394.66	36.11607171	-107.49264473
1,505.00	20.30	97.91	1,458.19	-52.62	288.16	1,863,857.13	1,273,425.76	36.11606160	-107.49253930
1,598.00	21.93	102.04	1,544.95	-58.46	321.12	1,863,851.28	1,273,458.72	36.11604671	-107.49242746
1,688.00	22.32	104.41	1,628.32	-66.22	354.11	1,863,843.53	1,273,491.71	36.11602655	-107.49231545
1,780.00	21.27	104.23	1,713.75	-74.67	387.21	1,863,835.08	1,273,524.81	36.11600451	-107.49220305
1,872.00	20.08	103.09	1,799.82	-82.35	418.77	1,863,827.40	1,273,556.37	36.11598453	-107.49209589
1,964.00	20.79	101.77	1,886.03	-89.26	450.14	1,863,820.49	1,273,587.74	36.11596665	-107.49198941
2,057.00	21.23	102.39	1,972.85	-96.24	482.74	1,863,813.51	1,273,620.34	36.11594863	-107.49187874
2,147.00	20.21	101.77	2,057.03	-102.91	513.88	1,863,806.84	1,273,651.48	36.11593141	-107.49177306
2,239.00	21.62	101.33	2,142.96	-109.48	546.05	1,863,800.27	1,273,683.65	36.11591449	-107.49166386
2,330.00	22.37	100.98	2,227.34	-116.07	579.49	1,863,793.68	1,273,717.09	36.11589756	-107.49155038
2,422.00	21.40	100.28	2,312.71	-122.40	613.19	1,863,787.35	1,273,750.79	36.11588135	-107.49143603
2,514.00	20.79	100.46	2,398.54	-128.36	645.77	1,863,781.39	1,273,783.36	36.11586613	-107.49132552
2,606.00	22.10	101.16	2,484.17	-134.67	678.80	1,863,775.07	1,273,816.40	36.11584995	-107.49121341
2,697.00	22.28	101.69	2,568.43	-141.48	712.49	1,863,768.27	1,273,850.09	36.11583243	-107.49109909
2,788.00	21.70	101.16	2,652.81	-148.23	745.89	1,863,761.51	1,273,883.49	36.11581505	-107.49098574
2,880.00	21.09	95.44	2,738.48	-153.10	779.06	1,863,756.65	1,273,916.65	36.11580287	-107.49087325
2,971.00	20.61	87.97	2,823.54	-154.08	811.37	1,863,755.67	1,273,948.97	36.11580129	-107.49076384
3,063.00	20.96	79.98	2,909.57	-150.64	843.76	1,863,759.11	1,273,981.36	36.11581187	-107.49065434
3,155.00	20.74	74.79	2,995.55	-143.51	875.69	1,863,766.24	1,274,013.28	36.11583259	-107.49054658
3,245.00	19.82	74.35	3,079.97	-135.21	905.76	1,863,774.54	1,274,043.35	36.11585643	-107.49044514
3,306.00	19.19	72.79	3,137.47	-129.45	925.29	1,863,780.30	1,274,062.89	36.11587293	-107.49037927
9 5/8" Csg @ 3306.00 MD 3137.47 TVD									
3,365.00	18.59	71.19	3,193.29	-123.55	943.46	1,863,786.20	1,274,081.05	36.11588977	-107.49031804
3,455.00	21.80	71.10	3,277.75	-113.51	972.85	1,863,796.24	1,274,110.45	36.11591838	-107.49021896
3,547.00	21.01	69.34	3,363.40	-102.16	1,004.45	1,863,807.59	1,274,142.05	36.11595067	-107.49011250
3,639.00	20.61	68.64	3,449.40	-90.44	1,034.96	1,863,819.31	1,274,172.56	36.11598392	-107.49000972
3,731.00	19.29	67.32	3,535.88	-78.68	1,064.06	1,863,831.06	1,274,201.66	36.11601723	-107.48991172
3,824.00	18.02	66.97	3,623.99	-67.13	1,091.47	1,863,842.61	1,274,229.07	36.11604991	-107.48981943
3,914.00	16.79	66.09	3,709.87	-56.42	1,116.17	1,863,853.33	1,274,253.77	36.11608021	-107.48973629
4,006.00	12.88	67.50	3,798.78	-47.11	1,137.80	1,863,862.64	1,274,275.40	36.11610654	-107.48966348
4,097.00	11.60	68.11	3,887.71	-39.81	1,155.66	1,863,869.94	1,274,293.26	36.11612720	-107.48960334
4,189.00	10.90	66.27	3,977.94	-32.86	1,172.21	1,863,876.88	1,274,309.80	36.11614686	-107.48954763
4,281.00	8.39	61.96	4,068.64	-26.21	1,186.10	1,863,883.54	1,274,323.69	36.11616563	-107.48950090
4,373.00	5.01	52.29	4,160.00	-20.59	1,195.20	1,863,889.16	1,274,332.80	36.11618137	-107.48947032
4,464.00	3.60	53.08	4,250.74	-16.45	1,200.63	1,863,893.30	1,274,338.23	36.11619295	-107.48945213
4,555.00	1.49	7.03	4,341.65	-13.55	1,203.06	1,863,896.19	1,274,340.65	36.11620098	-107.48944403
4,601.00	1.19	353.23	4,387.64	-12.49	1,203.07	1,863,897.26	1,274,340.67	36.11620391	-107.48944402
4,647.00	0.70	223.94	4,433.64	-12.22	1,202.82	1,863,897.53	1,274,340.42	36.11620465	-107.48944488
4,693.00	3.91	325.81	4,479.60	-11.12	1,201.75	1,863,898.63	1,274,339.34	36.11620762	-107.48944857
4,738.00	8.61	333.01	4,524.32	-6.85	1,199.35	1,863,902.90	1,274,336.95	36.11621927	-107.48945685
4,784.00	13.10	336.79	4,569.49	1.02	1,195.74	1,863,910.77	1,274,333.33	36.11624074	-107.48946944
4,830.00	16.39	344.18	4,613.97	12.06	1,191.91	1,863,921.80	1,274,329.51	36.11627093	-107.48948287
4,876.00	20.35	342.95	4,657.62	25.95	1,187.79	1,863,935.70	1,274,325.39	36.11630895	-107.48949740
4,922.00	24.08	339.96	4,700.20	42.42	1,182.23	1,863,952.17	1,274,319.83	36.11635399	-107.48951694
4,968.00	29.49	336.53	4,741.25	61.64	1,174.50	1,863,971.39	1,274,312.10	36.11640650	-107.48954394
5,014.00	33.75	336.27	4,780.41	83.73	1,164.84	1,863,993.48	1,274,302.44	36.11646684	-107.48957758
5,059.00	39.20	335.47	4,816.58	108.13	1,153.90	1,864,017.88	1,274,291.50	36.11653347	-107.48961568
5,104.00	44.43	332.57	4,850.11	135.07	1,140.73	1,864,044.82	1,274,278.33	36.11660700	-107.48966142
5,149.00	49.48	329.06	4,880.82	163.74	1,124.67	1,864,073.49	1,274,262.27	36.11668519	-107.48971703
5,191.00	53.26	324.14	4,907.05	191.09	1,106.59	1,864,100.84	1,274,244.19	36.11675968	-107.48977941
5,236.00	56.07	317.72	4,933.09	219.55	1,083.45	1,864,129.29	1,274,221.04	36.11683701	-107.48985898



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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
5,281.00	60.03	315.26	4,956.90	247.22	1,057.15	1,864,156.96	1,274,194.75	36.11691209	-107.48994918
5,324.00	59.72	314.12	4,978.48	273.37	1,030.71	1,864,183.12	1,274,168.31	36.11698300	-107.49003981
5,368.00	63.06	313.50	4,999.55	300.11	1,002.84	1,864,209.85	1,274,140.44	36.11705545	-107.49013532
5,413.00	67.59	313.94	5,018.33	328.36	973.30	1,864,238.11	1,274,110.89	36.11713202	-107.49023654
5,455.00	71.89	314.73	5,032.87	355.89	945.12	1,864,265.64	1,274,082.72	36.11720665	-107.49033310
5,479.00	74.03	314.78	5,039.90	372.05	928.83	1,864,281.80	1,274,066.43	36.11725045	-107.49038895
FTP 330 perp @ 5479.00 MD 5039.90 TVD									
5,498.00	75.72	314.82	5,044.86	384.97	915.82	1,864,294.72	1,274,053.41	36.11728549	-107.49043357
5,543.00	78.44	314.91	5,054.92	415.91	884.73	1,864,325.66	1,274,022.33	36.11736937	-107.49054013
5,587.00	81.83	315.17	5,062.46	446.58	854.11	1,864,356.33	1,273,991.70	36.11745253	-107.49064512
5,632.00	85.83	315.44	5,067.30	478.38	822.65	1,864,388.13	1,273,960.24	36.11753876	-107.49075299
5,717.00	86.57	315.35	5,072.93	538.76	763.09	1,864,448.51	1,273,900.69	36.11770252	-107.49095721
5,804.00	88.64	315.70	5,076.56	600.78	702.19	1,864,510.53	1,273,839.79	36.11787073	-107.49116603
5,892.00	88.33	315.35	5,078.89	663.56	640.56	1,864,573.30	1,273,778.16	36.11804097	-107.49137737
5,979.00	87.63	314.38	5,081.96	724.89	578.94	1,864,634.64	1,273,716.54	36.11820726	-107.49158862
6,064.00	88.64	315.70	5,084.72	785.00	518.91	1,864,694.75	1,273,656.51	36.11837026	-107.49179442
6,151.00	90.79	316.40	5,085.16	847.63	458.54	1,864,757.38	1,273,596.13	36.11854015	-107.49200151
6,241.00	90.09	316.49	5,084.47	912.85	396.52	1,864,822.60	1,273,534.12	36.11871711	-107.49221425
6,356.00	89.91	316.75	5,084.47	996.44	317.54	1,864,906.18	1,273,455.14	36.11894390	-107.49248525
6,447.00	89.65	317.28	5,084.82	1,063.01	255.49	1,864,972.75	1,273,393.09	36.11912456	-107.49269816
6,539.00	91.67	316.40	5,083.76	1,130.11	192.57	1,865,039.85	1,273,330.17	36.11930664	-107.49291407
6,631.00	91.54	316.23	5,081.18	1,196.61	129.05	1,865,106.36	1,273,266.65	36.11948706	-107.49313197
6,723.00	91.76	315.88	5,078.53	1,262.82	65.23	1,865,172.57	1,273,202.83	36.11966668	-107.49335087
6,816.00	91.45	315.61	5,075.92	1,329.41	0.36	1,865,239.15	1,273,137.96	36.11984727	-107.49357337
6,906.00	89.56	315.08	5,075.13	1,393.42	-62.89	1,865,303.17	1,273,074.71	36.12002087	-107.49379026
6,998.00	89.08	314.73	5,076.22	1,458.36	-128.05	1,865,368.11	1,273,009.55	36.12019694	-107.49401364
7,090.00	88.51	314.29	5,078.16	1,522.84	-193.64	1,865,432.59	1,272,943.96	36.12037173	-107.49423848
7,181.00	88.24	313.94	5,080.74	1,586.16	-258.95	1,865,495.91	1,272,878.65	36.12054335	-107.49446230
7,273.00	87.71	313.41	5,083.99	1,649.66	-325.45	1,865,559.40	1,272,812.15	36.12071539	-107.49469016
7,365.00	89.43	314.64	5,086.29	1,713.57	-391.57	1,865,623.32	1,272,746.03	36.12088861	-107.49491679
7,457.00	89.69	314.47	5,086.99	1,778.12	-457.13	1,865,687.86	1,272,680.47	36.12106357	-107.49514151
7,549.00	89.25	314.29	5,087.84	1,842.46	-522.88	1,865,752.20	1,272,614.72	36.12123798	-107.49536688
7,641.00	90.79	314.73	5,087.81	1,906.95	-588.48	1,865,816.70	1,272,549.12	36.12141280	-107.49559177
7,732.00	90.62	314.73	5,086.69	1,970.99	-653.13	1,865,880.73	1,272,484.47	36.12158641	-107.49581339
7,824.00	90.40	314.47	5,085.87	2,035.58	-718.63	1,865,945.33	1,272,418.97	36.12176151	-107.49603794
7,916.00	90.22	313.77	5,085.37	2,099.63	-784.68	1,866,009.37	1,272,352.92	36.12193509	-107.49626430
8,009.00	90.09	316.23	5,085.12	2,165.39	-850.43	1,866,075.13	1,272,287.17	36.12211337	-107.49648975
8,101.00	90.18	316.05	5,084.91	2,231.72	-914.18	1,866,141.46	1,272,223.42	36.12229332	-107.49670843
8,193.00	89.87	315.61	5,084.87	2,297.71	-978.28	1,866,207.45	1,272,159.32	36.12247230	-107.49692831
8,285.00	89.69	315.26	5,085.22	2,363.26	-1,042.84	1,866,273.00	1,272,094.76	36.12265005	-107.49714971
8,377.00	89.08	314.64	5,086.21	2,428.25	-1,107.95	1,866,337.99	1,272,029.66	36.12282626	-107.49737293
8,469.00	89.74	317.02	5,087.15	2,494.23	-1,172.04	1,866,403.97	1,271,965.56	36.12300522	-107.49759279
8,561.00	89.60	316.75	5,087.68	2,561.39	-1,234.92	1,866,471.13	1,271,902.68	36.12318745	-107.49780857
8,650.00	89.34	316.84	5,088.51	2,626.26	-1,295.85	1,866,536.00	1,271,841.75	36.12336347	-107.49801765
8,741.00	91.54	319.13	5,087.81	2,693.86	-1,356.75	1,866,603.60	1,271,780.86	36.12354698	-107.49822675
8,832.00	91.14	318.95	5,085.68	2,762.56	-1,416.38	1,866,672.30	1,271,721.22	36.12373357	-107.49843163
8,925.00	90.62	318.60	5,084.25	2,832.50	-1,477.67	1,866,742.24	1,271,659.94	36.12392349	-107.49864213
9,016.00	90.18	317.98	5,083.62	2,900.43	-1,538.21	1,866,810.17	1,271,599.39	36.12410793	-107.49885006
9,108.00	89.82	317.90	5,083.62	2,968.73	-1,599.84	1,866,878.47	1,271,537.76	36.12429336	-107.49906167
9,200.00	89.78	317.72	5,083.94	3,036.90	-1,661.63	1,866,946.64	1,271,475.97	36.12447839	-107.49927381
9,293.00	89.60	317.37	5,084.44	3,105.51	-1,724.40	1,867,015.25	1,271,413.20	36.12466463	-107.49948931
9,385.00	89.12	316.93	5,085.47	3,172.96	-1,786.97	1,867,082.70	1,271,350.64	36.12484765	-107.49970405
9,477.00	88.81	316.49	5,087.13	3,239.91	-1,850.04	1,867,149.65	1,271,287.56	36.12502932	-107.49992049
9,570.00	90.84	316.23	5,087.41	3,307.21	-1,914.22	1,867,216.95	1,271,223.39	36.12521189	-107.50014069
9,660.00	90.70	316.05	5,086.21	3,372.10	-1,976.57	1,867,281.84	1,271,161.03	36.12538790	-107.50035462



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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
9,752.00	90.13	315.79	5,085.54	3,438.18	-2,040.57	1,867,347.93	1,271,097.03	36.12556715	-107.50057416
9,845.00	89.60	315.52	5,085.76	3,504.69	-2,105.58	1,867,414.43	1,271,032.03	36.12574752	-107.50079712
9,937.00	89.60	315.08	5,086.40	3,570.08	-2,170.29	1,867,479.83	1,270,967.32	36.12592483	-107.50101905
10,029.00	89.38	314.38	5,087.22	3,634.83	-2,235.64	1,867,544.57	1,270,901.96	36.12610034	-107.50124313
10,122.00	89.12	314.03	5,088.44	3,699.66	-2,302.30	1,867,609.41	1,270,835.30	36.12627605	-107.50147164
10,214.00	89.08	315.00	5,089.88	3,764.16	-2,367.90	1,867,673.90	1,270,769.71	36.12645086	-107.50169651
10,306.00	88.73	313.50	5,091.64	3,828.34	-2,433.78	1,867,738.08	1,270,703.82	36.12662481	-107.50192236
10,398.00	90.70	315.00	5,092.10	3,892.53	-2,499.68	1,867,802.27	1,270,637.93	36.12679878	-107.50214825
10,489.00	90.88	315.44	5,090.84	3,957.12	-2,563.77	1,867,866.86	1,270,573.83	36.12697390	-107.50236805
10,581.00	90.04	315.17	5,090.10	4,022.51	-2,628.47	1,867,932.25	1,270,509.13	36.12715122	-107.50258996
10,673.00	91.05	316.23	5,089.23	4,088.35	-2,692.72	1,867,998.09	1,270,444.88	36.12732978	-107.50281035
10,765.00	91.19	316.14	5,087.43	4,154.73	-2,756.41	1,868,064.47	1,270,381.20	36.12750981	-107.50302884
10,858.00	90.79	315.61	5,085.82	4,221.47	-2,821.15	1,868,131.21	1,270,316.46	36.12769084	-107.50325093
10,950.00	90.84	315.00	5,084.52	4,286.87	-2,885.84	1,868,196.60	1,270,251.76	36.12786815	-107.50347283
11,042.00	90.66	314.73	5,083.31	4,351.76	-2,951.05	1,868,261.50	1,270,186.56	36.12804408	-107.50369640
11,134.00	90.22	313.50	5,082.60	4,415.80	-3,017.09	1,868,325.54	1,270,120.51	36.12821762	-107.50392281
11,224.00	90.97	316.31	5,081.67	4,479.32	-3,080.83	1,868,389.06	1,270,056.78	36.12838983	-107.50414136
11,317.00	90.79	316.40	5,080.24	4,546.61	-3,145.01	1,868,456.35	1,269,992.60	36.12857236	-107.50436158
11,409.00	90.31	315.26	5,079.36	4,612.60	-3,209.11	1,868,522.33	1,269,928.50	36.12875132	-107.50458148
11,499.00	90.35	315.00	5,078.84	4,676.38	-3,272.60	1,868,586.12	1,269,865.00	36.12892425	-107.50479923
11,591.00	90.48	314.38	5,078.17	4,741.08	-3,338.01	1,868,650.82	1,269,799.60	36.12909962	-107.50502349
11,683.00	90.31	316.23	5,077.54	4,806.47	-3,402.71	1,868,716.21	1,269,734.90	36.12927694	-107.50524540
11,775.00	90.66	316.14	5,076.76	4,872.86	-3,466.40	1,868,782.59	1,269,671.21	36.12945700	-107.50546394
11,868.00	90.44	316.40	5,075.87	4,940.05	-3,530.68	1,868,849.79	1,269,606.92	36.12963928	-107.50568452
11,960.00	90.48	315.35	5,075.13	5,006.09	-3,594.73	1,868,915.83	1,269,542.87	36.12981837	-107.50590426
12,050.00	89.60	317.11	5,075.07	5,071.08	-3,656.99	1,868,980.82	1,269,480.62	36.12999465	-107.50611788
12,142.00	89.43	316.67	5,075.84	5,138.24	-3,719.86	1,869,047.98	1,269,417.75	36.13017688	-107.50633367
12,232.00	89.47	316.75	5,076.71	5,203.75	-3,781.57	1,869,113.49	1,269,356.04	36.13035461	-107.50654546
12,322.00	89.38	316.23	5,077.61	5,269.02	-3,843.53	1,869,178.75	1,269,294.08	36.13053167	-107.50675809
12,415.00	89.17	315.44	5,078.79	5,335.72	-3,908.32	1,869,245.46	1,269,229.29	36.13071258	-107.50698037
12,507.00	90.53	318.07	5,079.03	5,402.73	-3,971.34	1,869,312.47	1,269,166.26	36.13089437	-107.50719668
12,599.00	90.62	317.28	5,078.11	5,470.75	-4,033.29	1,869,380.48	1,269,104.32	36.13107898	-107.50740938
12,691.00	90.79	316.84	5,076.97	5,538.09	-4,095.95	1,869,447.83	1,269,041.65	36.13126171	-107.50762450
12,781.00	89.25	317.72	5,076.94	5,604.21	-4,157.01	1,869,513.95	1,268,980.60	36.13144114	-107.50783411
12,872.00	89.91	317.81	5,077.61	5,671.58	-4,218.18	1,869,581.32	1,268,919.43	36.13162400	-107.50804415
12,960.00	88.46	317.90	5,078.86	5,736.82	-4,277.22	1,869,646.56	1,268,860.39	36.13180108	-107.50824691
13,052.00	88.64	317.19	5,081.19	5,804.68	-4,339.30	1,869,714.42	1,268,798.31	36.13198524	-107.50846007
13,145.00	88.64	316.31	5,083.40	5,872.40	-4,403.00	1,869,782.13	1,268,734.61	36.13216897	-107.50867872
13,237.00	89.21	315.96	5,085.12	5,938.71	-4,466.74	1,869,848.45	1,268,670.87	36.13234884	-107.50889744
13,327.00	89.43	315.26	5,086.19	6,003.02	-4,529.70	1,869,912.76	1,268,607.91	36.13252322	-107.50911340
13,417.00	89.74	314.82	5,086.84	6,066.71	-4,593.29	1,869,976.44	1,268,544.32	36.13269586	-107.50933151
13,508.00	90.66	314.47	5,086.53	6,130.65	-4,658.03	1,870,040.39	1,268,479.58	36.13286919	-107.50955351
13,600.00	89.03	313.68	5,086.77	6,194.64	-4,724.12	1,870,104.38	1,268,413.48	36.13304259	-107.50978009
13,692.00	89.17	312.97	5,088.22	6,257.76	-4,791.04	1,870,167.50	1,268,346.57	36.13321355	-107.51000944
13,783.00	87.93	314.73	5,090.52	6,320.78	-4,856.64	1,870,230.51	1,268,280.97	36.13338430	-107.51023431
13,875.00	87.85	313.59	5,093.91	6,384.83	-4,922.60	1,870,294.56	1,268,215.01	36.13355786	-107.51046043
13,968.00	87.98	312.80	5,097.29	6,448.44	-4,990.35	1,870,358.18	1,268,147.26	36.13373016	-107.51069262
14,058.00	87.85	315.79	5,100.57	6,511.24	-5,054.72	1,870,420.98	1,268,082.89	36.13390035	-107.51091332
14,148.00	88.55	315.61	5,103.40	6,575.62	-5,117.55	1,870,485.36	1,268,020.06	36.13407493	-107.51112886
14,241.00	89.17	315.00	5,105.25	6,641.72	-5,182.94	1,870,551.45	1,267,954.67	36.13425414	-107.51135318
14,333.00	90.18	314.38	5,105.77	6,706.42	-5,248.35	1,870,616.15	1,267,889.26	36.13442950	-107.51157747
14,423.00	90.70	313.68	5,105.08	6,768.97	-5,313.05	1,870,678.70	1,267,824.56	36.13459899	-107.51179930
14,515.00	90.26	313.24	5,104.31	6,832.25	-5,379.83	1,870,741.98	1,267,757.78	36.13477040	-107.51202817
14,605.00	88.95	314.82	5,104.93	6,894.80	-5,444.53	1,870,804.53	1,267,693.08	36.13493988	-107.51224999
14,697.00	88.33	315.35	5,107.11	6,959.93	-5,509.47	1,870,869.66	1,267,628.14	36.13511645	-107.51247273



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 370 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 370 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
14,783.00	88.77	314.73	5,109.29	7,020.76	-5,570.22	1,870,930.50	1,267,567.39	36.13528136	-107.51268109
14,876.00	88.46	315.17	5,111.53	7,086.45	-5,636.02	1,870,996.18	1,267,501.59	36.13545941	-107.51290677
14,968.00	88.86	315.79	5,113.69	7,152.02	-5,700.50	1,871,061.76	1,267,437.11	36.13563722	-107.51312800
15,058.00	89.69	315.35	5,114.82	7,216.29	-5,763.50	1,871,126.02	1,267,374.11	36.13581147	-107.51334413
15,151.00	90.61	314.90	5,114.58	7,282.19	-5,829.12	1,871,191.92	1,267,308.49	36.13599013	-107.51356920
15,243.00	91.76	314.64	5,112.68	7,346.97	-5,894.42	1,871,256.70	1,267,243.19	36.13616571	-107.51379314
15,331.00	92.59	314.21	5,109.34	7,408.52	-5,957.22	1,871,318.25	1,267,180.39	36.13633252	-107.51400849
15,423.00	92.19	314.73	5,105.50	7,472.91	-6,022.81	1,871,382.65	1,267,114.80	36.13650703	-107.51423343
15,513.00	90.65	314.99	5,103.27	7,536.38	-6,086.59	1,871,446.11	1,267,051.02	36.13667905	-107.51445215
15,603.00	91.80	314.56	5,101.35	7,599.75	-6,150.46	1,871,509.48	1,266,987.15	36.13685082	-107.51467121
15,695.00	90.88	315.17	5,099.20	7,664.63	-6,215.65	1,871,574.36	1,266,921.96	36.13702669	-107.51489479
15,786.00	89.38	315.44	5,098.99	7,729.32	-6,279.65	1,871,639.05	1,266,857.96	36.13720206	-107.51511435
15,876.00	90.84	315.52	5,098.82	7,793.49	-6,342.75	1,871,703.22	1,266,794.86	36.13737604	-107.51533083
15,967.00	89.34	314.82	5,098.67	7,858.02	-6,406.90	1,871,767.75	1,266,730.71	36.13755099	-107.51555090
16,059.00	89.69	314.03	5,099.45	7,922.42	-6,472.61	1,871,832.15	1,266,665.01	36.13772550	-107.51577620
16,150.00	90.13	313.77	5,099.60	7,985.52	-6,538.18	1,871,895.25	1,266,599.44	36.13789646	-107.51600099
16,242.00	91.41	313.85	5,098.36	8,049.20	-6,604.56	1,871,958.93	1,266,533.05	36.13806898	-107.51622857
16,334.00	92.46	313.85	5,095.25	8,112.90	-6,670.87	1,872,022.63	1,266,466.75	36.13824155	-107.51645590
16,427.00	92.99	313.77	5,090.83	8,177.20	-6,737.90	1,872,086.94	1,266,399.71	36.13841577	-107.51668572
Survey @ 16427.00 MD 5090.83 TVD									
16,439.00	92.99	313.77	5,090.21	8,185.49	-6,746.56	1,872,095.23	1,266,391.06	36.13843823	-107.51671539
Frac Sleeve @ 16439 MD 5090.21 TVD									
16,451.00	92.99	313.77	5,089.58	8,193.78	-6,755.21	1,872,103.51	1,266,382.40	36.13846069	-107.51674506
LTP 330 perp @ 16451.00 MD 5089.58 TVD									
16,592.00	92.99	313.77	5,082.22	8,291.19	-6,856.89	1,872,200.92	1,266,280.72	36.13872457	-107.51709364
Survey Proj. to 16592.00 MD 5082.22 TVD									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
415.00	414.97	0.13	4.60	MWD surveys
3,306.00	3,137.47	-129.45	925.29	9 5/8" Csg @ 3306.00 MD 3137.47 TVD
5,479.00	5,039.90	372.05	928.83	FTP 330 perp @ 5479.00 MD 5039.90 TVD
16,427.00	5,090.83	8,177.20	-6,737.90	Survey @ 16427.00 MD 5090.83 TVD
16,439.00	5,090.21	8,185.49	-6,746.56	Frac Sleeve @ 16439 MD 5090.21 TVD
16,451.00	5,089.58	8,193.78	-6,755.21	LTP 330 perp @ 16451.00 MD 5089.58 TVD
16,592.00	5,082.22	8,291.19	-6,856.89	Survey Proj. to 16592.00 MD 5082.22 TVD

WELL NAME: S ESCAVADA UNIT 370H**OBJECTIVE:** Drill, complete, and equip single lateral in the Mancos-H formation**API Number:** 30-043-21332**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 163 ft FNL 2,230 ft FWL**BH Location:** 18-22N-06W Sec-Twn- Rng 2365 ft FSL 620 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)	3,193 ft
Int TD (TVD)	3,103 ft
KOP (MD)	4,575 ft
KOP (TVD)	4,406 ft
Target (TVD)	5,085 ft
Curve BUR	10 °/100 ft
POE (MD)	5,708 ft
TD (MD)	16,368 ft
Lat Len (ft)	10,660 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	3,193	9.625	36.0	J-55	LTC	0	3,193
Production	8.500	16,368	5.500	17.0	P-110	LTC	0	16,368

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	645
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,693	136
Prod. (Lead)	Type III	12.3	2.260	12.80	0.2691	65%	0	603
Prod. (Tail)	G:POZ blend	13.3	1.550	7.70	0.2291	10%	4,526	1,925

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 61000

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 61000
	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.

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 61000

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 61000
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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