

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 30-043-21318	⁵ Pool Name Rusty Gallup		⁶ Pool Code 52860
⁷ Property Code 322151	⁸ Property Name S ESCAVADA UNIT		⁹ Well Number #350H

II. ¹⁰ Surface Location

UL or lot no. I	Section 27	Township 22N	Range 7W	Lot Idn	Feet from the 2091'	North/South Line South	Feet from the 436'	East/West line East	County Sandoval
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¹¹ Bottom Hole Location

UL or lot no. K	Section 28	Township 22N	Range 7W	Lot Idn	Feet from the 1850'	North/South line South	Feet from the 2622'	East/West line West	County Sandoval
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 2/20/2022		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	WESTERN REFINING COMPANY, LLC	O
373888	HARVEST FOUR CORNERS. LLC	G

IV. Well Completion Data

²¹ Spud Date 11/14/2021	²² Ready Date 2/20/2022	²³ TD 12972' MD 4530' TVD	²⁴ PBDT 12853' MD 4530' TVD	²⁵ Perforations ~ 5230'-12862' MD ~ 4611'-4530' 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		360' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2736' MD		670 sx- surface
8-1/2"		5-1/2",17#, P-110		12972' MD		1949 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: PATRICIA MARTINEZ
Printed name: Costin McQueen	Title: PETROLEUM SPECIALIST
Title: Consultant, Geologist	Approval Date: 3/18/2022
E-mail Address: Costin.McQueen@wsp.com	RT EXPIRES 5/20/2022
Date: 1/25/2022	
Phone: 720-384-6452	

1625 N. French 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) 476-3462State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm **Page 2 of 16**
Revised August 1, 2011Submit 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 30-043-21318	² Pool Code 52860	³ Pool Name RUSTY GALLUP OIL POOL
⁴ Property Code 322151	⁵ Property Name S ESCAVADA UNIT	⁶ Well Number 350H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6749'

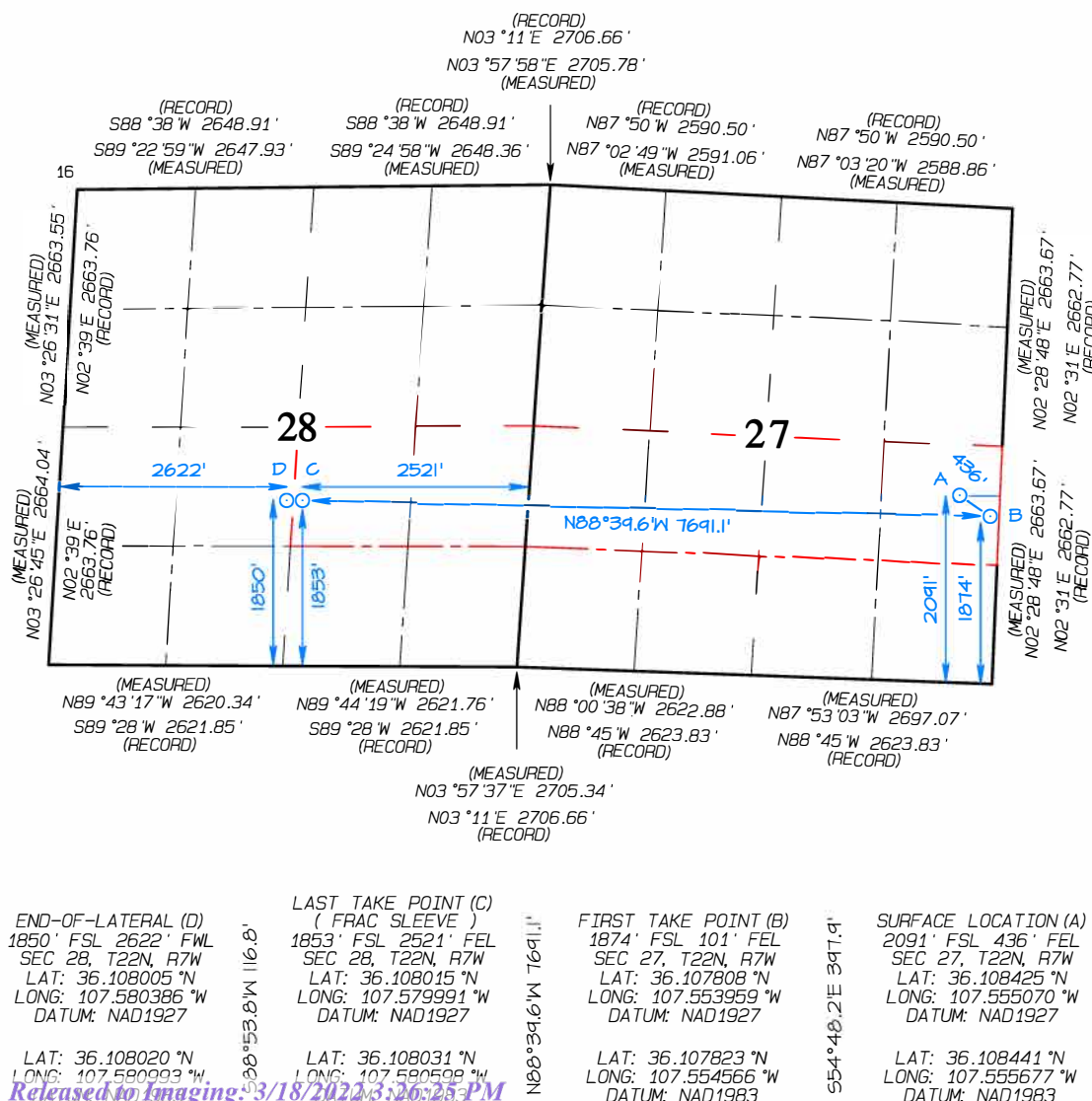
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	27	22N	7W		2091	SOUTH	436	EAST	SANDOVAL

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	28	22N	7W		1850	SOUTH	2622	WEST	SANDOVAL

¹² Dedicated Acres 240.00	N/2 SE/4 - Section 28 N/2 S/2 - Section 27	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14347
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE
BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION¹⁷ 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.

Heather Huntington 1-13-22
Signature Date
Heather Huntington
Printed Name
hhuntington@enduringresources.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

Date Revised: JANUARY 11, 2022
Date of Survey: MAY 1, 2017

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

END-OF-LATERAL (D)
1850' FSL 2622' FWL
SEC 28, T22N, R7W
LAT: 36.108005°N
LONG: 107.580386°W
DATUM: NAD1927LAST TAKE POINT (C)
(FRAC SLEEVE)
1853' FSL 2521' FEL
SEC 28, T22N, R7W
LAT: 36.108015°N
LONG: 107.579991°W
DATUM: NAD1927FIRST TAKE POINT (B)
1874' FSL 101' FEL
SEC 27, T22N, R7W
LAT: 36.107808°N
LONG: 107.553959°W
DATUM: NAD1927SURFACE LOCATION (A)
2091' FSL 436' FEL
SEC 27, T22N, R7W
LAT: 36.108425°N
LONG: 107.555070°W
DATUM: NAD1927LAT: 36.108020°N
LONG: 107.580993°W
DATUM: NAD1983LAT: 36.108031°N
LONG: 107.580598°W
DATUM: NAD1983LAT: 36.107823°N
LONG: 107.554566°W
DATUM: NAD1983LAT: 36.108441°N
LONG: 107.555677°W
DATUM: NAD1983



Well: S Escavada Unit 350 H
Site: S Escavada Unit
Project: Sandoval County, New Mexico NAD83 NM C
Design: Surveys Original Hole
Rig: Ensign 773

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
475.00	0.04	251.41	475.00	-0.05	-0.16	0.16	MWD surveys
2736.00	23.92	103.44	2620.51	-109.81	556.22	-558.65	9 5/8" Csg @ 2736.00 MD 2620.51 TVD
5170.00	87.76	269.40	4608.92	-229.34	325.20	-330.51	FTP 100 FEL @ 1873 FSL @ 5170 MD 4608.92 TVD
12867.00	93.39	269.18	4536.60	-49.57	-7363.83	7360.62	Frac Sleeve @ 12867.00 MD 4536.60 TVD
12876.00	93.41	269.11	4536.07	-49.71	-7372.82	7369.60	LTP 100 mid sect @ 1853 FSL @ 12876 MD 4536.09 TVD
12917.00	93.47	268.82	4533.61	-50.44	-7413.74	7410.49	Survey @ 12917.00 MD 4533.61 TVD
12984.00	93.47	268.82	4529.55	-51.82	-7480.60	7477.30	Survey Proj. to 12984.00 MD 4529.55 TVD

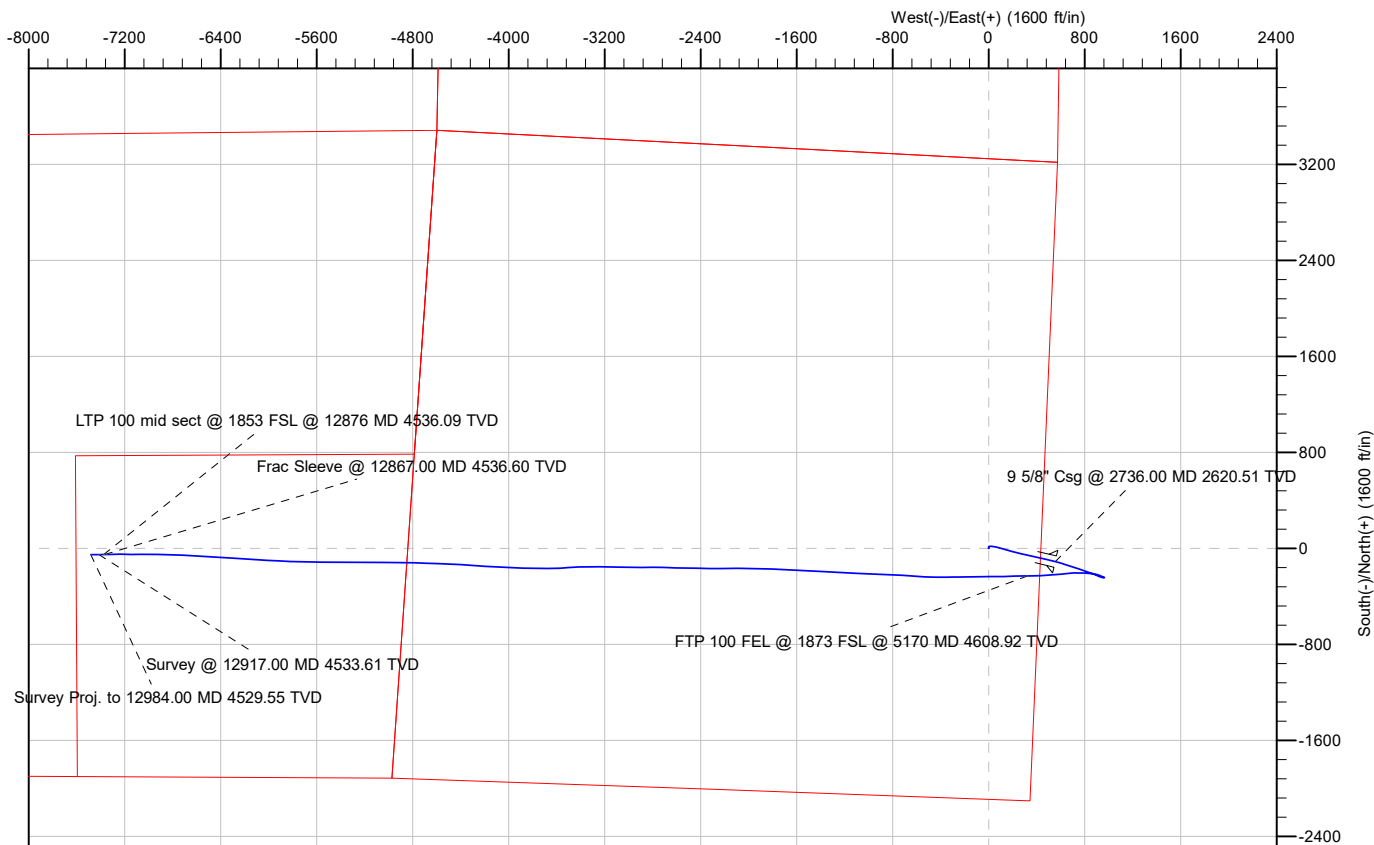
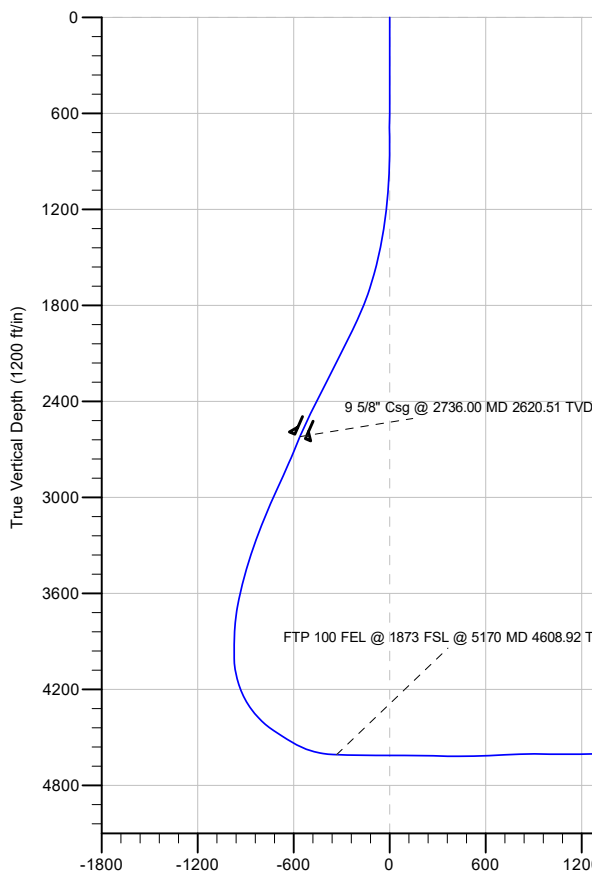
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Central Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6749+28 @ 6777.00ft (Ensign 773)
Surface location:
Northing 1861327.420 Easting 1254739.451 Latitude 36.108441000 Longitude -107.555677000

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



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

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



Vertical Section at 271.35° (1200 ft/in)



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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

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

Well	S Escavada Unit 350 H, Surf loc: 2091 FSL 436 FEL Section 27-T22N-R07W		
Well Position	+N/-S	0.00 ft	Northing: 1,861,327.420 usft
	+E/-W	0.00 ft	Easting: 1,254,739.451 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
Grid Convergence:	-0.770 °	Ground Level:	6,749.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/9/2021	8.659	62.677	49,215.25982076

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	271.35	

Survey Program	Date	1/7/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
475.00	2,652.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,755.00	12,917.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,984.00	12,984.00	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	
475.00	0.04	251.41	475.00	-0.05	-0.16	0.16	0.01	0.01	0.00	
MWD surveys										
505.00	0.18	247.64	505.00	-0.07	-0.21	0.21	0.47	0.47	-12.57	
597.00	0.97	7.17	597.00	0.64	-0.25	0.26	1.16	0.86	129.92	
688.00	2.33	8.40	687.96	3.24	0.12	-0.04	1.49	1.49	1.35	
779.00	2.77	7.08	778.87	7.25	0.66	-0.49	0.49	0.48	-1.45	
870.00	2.77	5.06	869.76	11.62	1.13	-0.85	0.11	0.00	-2.22	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 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)
962.00	2.42	39.16	961.67	15.34	2.55	-2.19	1.69	-0.38	37.07
1,053.00	3.87	77.48	1,052.54	17.50	6.76	-6.35	2.72	1.59	42.11
1,142.00	6.42	91.10	1,141.18	18.05	14.67	-14.24	3.16	2.87	15.30
1,237.00	7.21	95.67	1,235.51	17.36	25.91	-25.50	1.01	0.83	4.81
1,331.00	8.39	97.78	1,328.63	15.85	38.58	-38.19	1.29	1.26	2.24
1,425.00	10.50	100.51	1,421.36	13.36	53.79	-53.46	2.29	2.24	2.90
1,520.00	13.75	103.41	1,514.22	9.16	73.29	-73.06	3.48	3.42	3.05
1,614.00	16.35	105.34	1,604.99	3.07	96.92	-96.82	2.82	2.77	2.05
1,709.00	18.72	106.83	1,695.57	-4.88	124.41	-124.49	2.54	2.49	1.57
1,804.00	21.36	105.60	1,784.81	-13.95	155.68	-155.96	2.81	2.78	-1.29
1,898.00	25.31	104.37	1,871.11	-23.54	191.64	-192.14	4.23	4.20	-1.31
1,993.00	26.63	104.02	1,956.51	-33.74	231.97	-232.70	1.40	1.39	-0.37
2,087.00	27.03	103.67	2,040.39	-43.89	273.17	-274.12	0.46	0.43	-0.37
2,181.00	27.11	103.58	2,124.10	-53.97	314.74	-315.92	0.10	0.09	-0.10
2,276.00	27.11	102.88	2,208.66	-63.88	356.88	-358.29	0.34	0.00	-0.74
2,370.00	27.55	102.44	2,292.17	-73.34	398.99	-400.61	0.52	0.47	-0.47
2,464.00	28.12	101.74	2,375.29	-82.53	441.91	-443.73	0.70	0.61	-0.74
2,559.00	26.24	103.49	2,459.80	-91.98	484.25	-486.28	2.15	-1.98	1.84
2,652.00	24.39	104.37	2,543.86	-101.54	522.85	-525.10	2.03	-1.99	0.95
2,736.00	23.92	103.44	2,620.51	-109.81	556.22	-558.65	0.71	-0.55	-1.10
9 5/8" Csg @ 2736.00 MD 2620.51 TVD									
2,755.00	23.82	103.23	2,637.88	-111.58	563.70	-566.17	0.71	-0.55	-1.13
2,818.00	23.47	105.16	2,695.59	-117.77	588.19	-590.80	1.35	-0.56	3.06
2,912.00	24.65	109.21	2,781.43	-129.12	624.77	-627.64	2.16	1.26	4.31
3,006.00	25.53	108.86	2,866.56	-142.12	662.45	-665.62	0.95	0.94	-0.37
3,100.00	25.22	107.89	2,951.49	-154.82	700.68	-704.13	0.55	-0.33	-1.03
3,195.00	24.87	107.10	3,037.56	-166.91	739.04	-742.76	0.51	-0.37	-0.83
3,290.00	23.42	106.75	3,124.25	-178.23	776.21	-780.19	1.53	-1.53	-0.37
3,384.00	21.53	112.72	3,211.11	-190.27	810.02	-814.27	3.15	-2.01	6.35
3,479.00	20.04	110.26	3,299.93	-202.64	841.37	-845.91	1.82	-1.57	-2.59
3,573.00	18.63	106.75	3,388.63	-212.55	870.86	-875.62	1.94	-1.50	-3.73
3,668.00	17.14	115.62	3,479.05	-222.98	898.02	-903.02	3.26	-1.57	9.34
3,762.00	14.19	111.32	3,569.56	-233.16	921.24	-926.48	3.37	-3.14	-4.57
3,857.00	11.03	105.69	3,662.26	-239.85	940.85	-946.24	3.57	-3.33	-5.93
3,951.00	7.34	100.15	3,755.04	-243.34	955.42	-960.89	4.03	-3.93	-5.89
4,045.00	2.99	79.15	3,848.64	-243.94	963.74	-969.22	4.97	-4.63	-22.34
4,140.00	0.62	11.03	3,943.59	-242.97	966.27	-971.73	2.97	-2.49	-71.71
4,171.00	0.62	15.95	3,974.59	-242.64	966.35	-971.80	0.17	0.00	15.87
4,203.00	1.49	300.55	4,006.58	-242.26	966.04	-971.48	4.57	2.72	-235.63
4,234.00	4.70	290.09	4,037.54	-241.62	964.50	-969.93	10.47	10.35	-33.74
4,265.00	8.92	287.27	4,068.31	-240.47	961.01	-966.41	13.65	13.61	-9.10
4,297.00	12.57	287.62	4,099.74	-238.68	955.32	-960.68	11.41	11.41	1.09
4,328.00	15.47	294.39	4,129.82	-235.95	948.34	-953.64	10.73	9.35	21.84
4,359.00	18.50	296.41	4,159.46	-232.06	940.17	-945.37	9.96	9.77	6.52



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 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)
4,391.00	21.31	295.45	4,189.55	-227.30	930.37	-935.46	8.84	8.78	-3.00
4,422.00	24.30	291.23	4,218.12	-222.57	919.33	-924.32	10.99	9.65	-13.61
4,454.00	27.25	284.37	4,246.94	-218.36	906.09	-910.99	13.10	9.22	-21.44
4,485.00	30.59	282.44	4,274.07	-214.90	891.51	-896.33	11.19	10.77	-6.23
4,517.00	32.70	280.33	4,301.32	-211.60	875.05	-879.80	7.45	6.59	-6.59
4,548.00	36.74	277.25	4,326.79	-208.92	857.61	-862.29	14.20	13.03	-9.94
4,580.00	40.17	273.91	4,351.85	-207.01	837.81	-842.45	12.53	10.72	-10.44
4,612.00	43.20	271.80	4,375.75	-205.96	816.56	-821.19	10.43	9.47	-6.59
4,644.00	46.63	271.28	4,398.41	-205.36	793.98	-798.60	10.78	10.72	-1.63
4,675.00	49.97	271.19	4,419.02	-204.86	770.84	-775.45	10.78	10.77	-0.29
4,706.00	52.91	271.89	4,438.35	-204.21	746.61	-751.22	9.65	9.48	2.26
4,738.00	55.37	269.52	4,457.09	-203.90	720.68	-725.29	9.75	7.69	-7.41
4,769.00	57.30	265.83	4,474.28	-204.95	694.91	-699.55	11.70	6.23	-11.90
4,801.00	58.32	264.16	4,491.33	-207.32	667.94	-672.64	5.45	3.19	-5.22
4,832.00	57.61	263.98	4,507.77	-210.03	641.80	-646.57	2.34	-2.29	-0.58
4,864.00	58.18	262.40	4,524.78	-213.25	614.88	-619.74	4.55	1.78	-4.94
4,895.00	60.86	264.51	4,540.50	-216.28	588.35	-593.28	10.45	8.65	6.81
4,927.00	64.20	265.56	4,555.26	-218.74	560.07	-565.06	10.84	10.44	3.28
4,958.00	67.85	265.92	4,567.86	-220.84	531.82	-536.88	11.82	11.77	1.16
4,990.00	71.46	266.62	4,578.98	-222.79	501.89	-507.00	11.47	11.28	2.19
5,021.00	74.84	267.59	4,587.97	-224.29	472.26	-477.41	11.31	10.90	3.13
5,053.00	78.00	267.41	4,595.48	-225.64	441.19	-446.38	9.89	9.88	-0.56
5,085.00	80.99	267.23	4,601.31	-227.11	409.76	-415.00	9.36	9.34	-0.56
5,116.00	83.89	268.03	4,605.39	-228.38	379.06	-384.34	9.70	9.35	2.58
5,147.00	86.97	269.34	4,607.86	-229.09	348.17	-353.47	10.79	9.94	4.23
5,170.00	87.76	269.40	4,608.92	-229.34	325.20	-330.51	3.45	3.44	0.28
FTP 100 FEL @ 1873 FSL @ 5170 MD 4608.92 TVD									
5,179.00	88.07	269.43	4,609.24	-229.43	316.21	-321.52	3.45	3.44	0.28
5,273.00	88.99	268.64	4,611.66	-231.02	222.25	-227.63	1.29	0.98	-0.84
5,368.00	89.65	269.08	4,612.78	-232.91	127.28	-132.73	0.83	0.69	0.46
5,462.00	91.49	269.96	4,611.85	-233.69	33.29	-38.79	2.17	1.96	0.94
5,556.00	88.42	268.82	4,611.92	-234.70	-60.69	55.14	3.48	-3.27	-1.21
5,651.00	88.90	268.90	4,614.14	-236.58	-155.65	150.03	0.51	0.51	0.08
5,746.00	89.34	269.34	4,615.60	-238.04	-250.62	244.94	0.65	0.46	0.46
5,840.00	88.64	268.11	4,617.26	-240.13	-344.58	338.83	1.51	-0.74	-1.31
5,935.00	89.82	271.45	4,618.54	-240.50	-439.56	433.77	3.73	1.24	3.52
6,029.00	91.71	273.74	4,617.28	-236.24	-533.44	527.73	3.16	2.01	2.44
6,124.00	92.20	273.30	4,614.04	-230.42	-628.21	622.60	0.69	0.52	-0.46
6,218.00	93.25	273.83	4,609.57	-224.58	-721.92	716.43	1.25	1.12	0.56
6,313.00	92.11	272.42	4,605.13	-219.40	-816.67	811.27	1.91	-1.20	-1.48
6,407.00	89.43	272.60	4,603.87	-215.29	-910.56	905.24	2.86	-2.85	0.19
6,502.00	89.60	271.98	4,604.67	-211.49	-1,005.48	1,000.22	0.68	0.18	-0.65
6,596.00	90.00	272.24	4,605.00	-208.03	-1,099.42	1,094.21	0.51	0.43	0.28



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,690.00	90.31	273.21	4,604.74	-203.56	-1,193.31	1,188.18	1.08	0.33	1.03	
6,784.00	90.57	273.83	4,604.02	-197.79	-1,287.13	1,282.11	0.72	0.28	0.66	
6,879.00	90.48	273.39	4,603.15	-191.81	-1,381.94	1,377.03	0.47	-0.09	-0.46	
6,974.00	90.13	272.68	4,602.65	-186.78	-1,476.80	1,471.99	0.83	-0.37	-0.75	
7,067.00	90.22	272.60	4,602.36	-182.50	-1,569.70	1,564.97	0.13	0.10	-0.09	
7,162.00	90.44	273.04	4,601.82	-177.82	-1,664.58	1,659.93	0.52	0.23	0.46	
7,257.00	88.37	272.42	4,602.80	-173.30	-1,759.47	1,754.89	2.27	-2.18	-0.65	
7,351.00	88.46	271.28	4,605.40	-170.27	-1,853.38	1,848.85	1.22	0.10	-1.21	
7,446.00	88.68	271.28	4,607.77	-168.14	-1,948.33	1,943.82	0.23	0.23	0.00	
7,541.00	88.20	270.31	4,610.36	-166.83	-2,043.28	2,038.78	1.14	-0.51	-1.02	
7,636.00	88.20	269.70	4,613.34	-166.82	-2,138.23	2,133.71	0.64	0.00	-0.64	
7,730.00	87.89	268.99	4,616.55	-167.89	-2,232.17	2,227.60	0.82	-0.33	-0.76	
7,824.00	88.99	271.63	4,619.11	-167.38	-2,326.13	2,321.54	3.04	1.17	2.81	
7,919.00	88.64	270.75	4,621.07	-165.41	-2,421.08	2,416.51	1.00	-0.37	-0.93	
8,013.00	90.79	271.81	4,621.54	-163.31	-2,515.05	2,510.51	2.55	2.29	1.13	
8,107.00	90.48	271.10	4,620.50	-160.92	-2,609.02	2,604.50	0.82	-0.33	-0.76	
8,202.00	91.93	271.45	4,618.50	-158.81	-2,703.97	2,699.48	1.57	1.53	0.37	
8,297.00	91.14	270.22	4,615.96	-157.43	-2,798.92	2,794.44	1.54	-0.83	-1.29	
8,391.00	90.09	268.90	4,614.95	-158.15	-2,892.91	2,888.38	1.79	-1.12	-1.40	
8,485.00	93.25	271.71	4,612.21	-157.65	-2,986.85	2,982.30	4.50	3.36	2.99	
8,580.00	93.34	271.37	4,606.75	-155.10	-3,081.66	3,077.15	0.37	0.09	-0.36	
8,674.00	93.38	270.84	4,601.24	-153.29	-3,175.48	3,170.98	0.56	0.04	-0.56	
8,769.00	91.54	270.22	4,597.16	-152.42	-3,270.38	3,265.88	2.04	-1.94	-0.65	
8,864.00	89.69	267.85	4,596.14	-154.02	-3,365.35	3,360.79	3.16	-1.95	-2.49	
8,958.00	89.87	267.50	4,596.50	-157.83	-3,459.27	3,454.59	0.42	0.19	-0.37	
9,052.00	89.16	265.92	4,597.30	-163.22	-3,553.11	3,548.28	1.84	-0.76	-1.68	
9,147.00	89.78	270.40	4,598.18	-166.27	-3,648.03	3,643.10	4.76	0.65	4.72	
9,241.00	89.56	270.14	4,598.72	-165.83	-3,742.03	3,737.08	0.36	-0.23	-0.28	
9,336.00	90.00	271.72	4,599.08	-164.29	-3,837.01	3,832.08	1.73	0.46	1.66	
9,430.00	90.22	271.19	4,598.90	-161.90	-3,930.98	3,926.08	0.61	0.23	-0.56	
9,525.00	90.22	273.30	4,598.54	-158.18	-4,025.90	4,021.06	2.22	0.00	2.22	
9,619.00	90.04	273.21	4,598.32	-152.84	-4,119.75	4,115.01	0.21	-0.19	-0.10	
9,714.00	91.54	274.44	4,597.02	-146.51	-4,214.53	4,209.91	2.04	1.58	1.29	
9,809.00	91.45	273.74	4,594.54	-139.73	-4,309.25	4,304.76	0.74	-0.09	-0.74	
9,903.00	91.71	273.12	4,591.94	-134.11	-4,403.05	4,398.67	0.71	0.28	-0.66	
9,998.00	92.07	272.60	4,588.81	-129.37	-4,497.88	4,493.58	0.67	0.38	-0.55	
10,093.00	92.37	271.89	4,585.13	-125.65	-4,592.73	4,588.50	0.81	0.32	-0.75	
10,187.00	90.26	271.98	4,582.97	-122.48	-4,686.65	4,682.46	2.25	-2.24	0.10	
10,281.00	90.57	271.54	4,582.29	-119.59	-4,780.60	4,776.46	0.57	0.33	-0.47	
10,376.00	90.79	270.75	4,581.17	-117.70	-4,875.57	4,871.45	0.86	0.23	-0.83	
10,470.00	91.32	270.22	4,579.44	-116.90	-4,969.55	4,965.42	0.80	0.56	-0.56	
10,565.00	91.05	268.73	4,577.47	-117.77	-5,064.53	5,060.35	1.59	-0.28	-1.57	
10,659.00	90.62	271.72	4,576.10	-117.40	-5,158.51	5,154.31	3.21	-0.46	3.18	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,754.00	91.19	271.19	4,574.60	-114.99	-5,253.46	5,249.30	0.82	0.60	-0.56	
10,848.00	91.49	270.31	4,572.40	-113.76	-5,347.43	5,343.26	0.99	0.32	-0.94	
10,943.00	91.85	270.05	4,569.63	-113.46	-5,442.39	5,438.20	0.47	0.38	-0.27	
11,037.00	92.33	269.52	4,566.20	-113.81	-5,536.32	5,532.10	0.76	0.51	-0.56	
11,132.00	91.01	271.19	4,563.44	-113.22	-5,631.28	5,627.04	2.24	-1.39	1.76	
11,226.00	91.58	270.57	4,561.31	-111.78	-5,725.24	5,721.02	0.90	0.61	-0.66	
11,321.00	90.13	273.12	4,559.89	-108.72	-5,820.17	5,815.99	3.09	-1.53	2.68	
11,415.00	90.40	272.77	4,559.46	-103.89	-5,914.04	5,909.95	0.47	0.29	-0.37	
11,510.00	90.75	272.07	4,558.51	-99.88	-6,008.95	6,004.93	0.82	0.37	-0.74	
11,605.00	89.08	274.26	4,558.65	-94.64	-6,103.80	6,099.88	2.90	-1.76	2.31	
11,699.00	89.12	273.91	4,560.12	-87.94	-6,197.55	6,193.76	0.37	0.04	-0.37	
11,794.00	89.03	273.21	4,561.66	-82.04	-6,292.35	6,288.67	0.74	-0.09	-0.74	
11,888.00	90.35	274.44	4,562.17	-75.77	-6,386.14	6,382.58	1.92	1.40	1.31	
11,983.00	89.52	273.39	4,562.27	-69.29	-6,480.91	6,477.48	1.41	-0.87	-1.11	
12,077.00	91.89	274.18	4,561.12	-63.08	-6,574.69	6,571.38	2.66	2.52	0.84	
12,171.00	91.10	272.95	4,558.66	-57.24	-6,668.48	6,665.28	1.55	-0.84	-1.31	
12,266.00	90.97	272.07	4,556.95	-53.08	-6,763.37	6,760.24	0.94	-0.14	-0.93	
12,360.00	90.53	270.66	4,555.72	-50.84	-6,857.33	6,854.23	1.57	-0.47	-1.50	
12,455.00	89.96	269.61	4,555.31	-50.62	-6,952.33	6,949.21	1.26	-0.60	-1.11	
12,549.00	92.11	270.75	4,553.61	-50.32	-7,046.31	7,043.17	2.59	2.29	1.21	
12,644.00	92.99	270.57	4,549.39	-49.23	-7,141.21	7,138.06	0.95	0.93	-0.19	
12,738.00	93.38	270.05	4,544.16	-48.72	-7,235.06	7,231.90	0.69	0.41	-0.55	
12,832.00	93.34	269.43	4,538.65	-49.15	-7,328.90	7,325.70	0.66	-0.04	-0.66	
12,867.00	93.39	269.18	4,536.60	-49.57	-7,363.83	7,360.62	0.73	0.15	-0.72	
Frac Sleeve @ 12867.00 MD 4536.60 TVD										
12,876.00	93.41	269.11	4,536.07	-49.71	-7,372.82	7,369.60	0.73	0.15	-0.72	
LTP 100 mid sect @ 1853 FSL @ 12876 MD 4536.09 TVD										
12,917.00	93.47	268.82	4,533.61	-50.44	-7,413.74	7,410.49	0.73	0.15	-0.72	
Survey @ 12917.00 MD 4533.61 TVD										
12,984.00	93.47	268.82	4,529.55	-51.82	-7,480.60	7,477.30	0.00	0.00	0.00	
Survey Proj. to 12984.00 MD 4529.55 TVD										

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,736.00	2,620.51		9-5/8	12-1/4



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
475.00	475.00	-0.05	-0.16	MWD surveys
2,736.00	2,620.51	-109.81	556.22	9 5/8" Csg @ 2736.00 MD 2620.51 TVD
5,170.00	4,608.92	-229.34	325.20	FTP 100 FEL @ 1873 FSL @ 5170 MD 4608.92 TVD
12,867.00	4,536.60	-49.57	-7,363.83	Frac Sleeve @ 12867.00 MD 4536.60 TVD
12,876.00	4,536.07	-49.71	-7,372.82	LTP 100 mid sect @ 1853 FSL @ 12876 MD 4536.09 TVD
12,917.00	4,533.61	-50.44	-7,413.74	Survey @ 12917.00 MD 4533.61 TVD
12,984.00	4,529.55	-51.82	-7,480.60	Survey Proj. to 12984.00 MD 4529.55 TVD

Checked By: _____ Approved By: _____ Date: _____



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

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

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

Well	S Escavada Unit 350 H, Surf loc: 2091 FSL 436 FEL Section 27-T22N-R07W		
Well Position	+N/-S	0.00 ft	Northing: 1,861,327.420 usft
	+E/-W	0.00 ft	Easting: 1,254,739.451 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.108441000
		Longitude:	-107.555677000
		Ground Level:	6,749.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/9/2021	8.659	62.677	49,215.25982076

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	271.35	

Survey Program	Date	1/7/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
475.00	2,652.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,755.00	12,917.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,984.00	12,984.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	1,861,327.420	1,254,739.451	36.108441000	-107.555677000	
475.00	0.04	251.41	475.00	-0.05	-0.16	1,861,327.367	1,254,739.294	36.108440849	-107.555677529	
MWD surveys										
505.00	0.18	247.64	505.00	-0.07	-0.21	1,861,327.345	1,254,739.240	36.108440789	-107.555677710	
597.00	0.97	7.17	597.00	0.64	-0.25	1,861,328.063	1,254,739.204	36.108442759	-107.555677866	
688.00	2.33	8.40	687.96	3.24	0.12	1,861,330.657	1,254,739.570	36.108449897	-107.555676743	
779.00	2.77	7.08	778.87	7.25	0.66	1,861,334.670	1,254,740.112	36.108460936	-107.555675094	
870.00	2.77	5.06	869.76	11.62	1.13	1,861,339.042	1,254,740.577	36.108472962	-107.555673719	
962.00	2.42	39.16	961.67	15.34	2.55	1,861,342.763	1,254,741.999	36.108483233	-107.555669073	
1,053.00	3.87	77.48	1,052.54	17.50	6.76	1,861,344.918	1,254,746.211	36.108489309	-107.555654916	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 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
1,142.00	6.42	91.10	1,141.18	18.05	14.67	1,861,345.474	1,254,754.120	36.108491127	-107.555628174
1,237.00	7.21	95.67	1,235.51	17.36	25.91	1,861,344.783	1,254,765.362	36.108489644	-107.555590089
1,331.00	8.39	97.78	1,328.63	15.85	38.58	1,861,343.272	1,254,778.027	36.108485961	-107.555547154
1,425.00	10.50	100.51	1,421.36	13.36	53.79	1,861,340.781	1,254,793.245	36.108479681	-107.555495534
1,520.00	13.75	103.41	1,514.22	9.16	73.29	1,861,336.582	1,254,812.744	36.108468869	-107.555429348
1,614.00	16.35	105.34	1,604.99	3.07	96.92	1,861,330.490	1,254,836.374	36.108453009	-107.555349092
1,709.00	18.72	106.83	1,695.57	-4.88	124.41	1,861,322.538	1,254,863.865	36.108432182	-107.555255684
1,804.00	21.36	105.60	1,784.81	-13.95	155.68	1,861,313.470	1,254,895.126	36.108408430	-107.555149466
1,898.00	25.31	104.37	1,871.11	-23.54	191.64	1,861,303.876	1,254,931.093	36.108383406	-107.555027295
1,993.00	26.63	104.02	1,956.51	-33.74	231.97	1,861,293.678	1,254,971.423	36.108356883	-107.554890330
2,087.00	27.03	103.67	2,040.39	-43.89	273.17	1,861,283.526	1,255,012.616	36.108330521	-107.554750444
2,181.00	27.11	103.58	2,124.10	-53.97	314.74	1,861,273.449	1,255,054.190	36.108304378	-107.554609276
2,276.00	27.11	102.88	2,208.66	-63.88	356.88	1,861,263.542	1,255,096.332	36.108278720	-107.554466192
2,370.00	27.55	102.44	2,292.17	-73.34	398.99	1,861,254.085	1,255,138.439	36.108254298	-107.554323245
2,464.00	28.12	101.74	2,375.29	-82.53	441.91	1,861,244.894	1,255,181.356	36.108230639	-107.554177569
2,559.00	26.24	103.49	2,459.80	-91.98	484.25	1,861,235.439	1,255,223.702	36.108206230	-107.554033816
2,652.00	24.39	104.37	2,543.86	-101.54	522.85	1,861,225.877	1,255,262.298	36.108181389	-107.553902748
2,736.00	23.92	103.44	2,620.51	-109.81	556.22	1,861,217.612	1,255,295.665	36.108159921	-107.553789438
9 5/8" Csg @ 2736.00 MD 2620.51 TVD									
2,755.00	23.82	103.23	2,637.88	-111.58	563.70	1,861,215.838	1,255,303.147	36.108155325	-107.553764035
2,818.00	23.47	105.16	2,695.59	-117.77	588.19	1,861,209.646	1,255,327.641	36.108139219	-107.553680853
2,912.00	24.65	109.21	2,781.43	-129.12	624.77	1,861,198.300	1,255,364.223	36.108109405	-107.553556522
3,006.00	25.53	108.86	2,866.56	-142.12	662.45	1,861,185.302	1,255,401.903	36.108075093	-107.553428399
3,100.00	25.22	107.89	2,951.49	-154.82	700.68	1,861,172.602	1,255,440.130	36.108041621	-107.553298439
3,195.00	24.87	107.10	3,037.56	-166.91	739.04	1,861,160.510	1,255,478.485	36.108009825	-107.553168075
3,290.00	23.42	106.75	3,124.25	-178.23	776.21	1,861,149.195	1,255,515.659	36.107980115	-107.553041742
3,384.00	21.53	112.72	3,211.11	-190.27	810.02	1,861,137.146	1,255,549.465	36.107948269	-107.552926776
3,479.00	20.04	110.26	3,299.93	-202.64	841.37	1,861,124.776	1,255,580.816	36.107915449	-107.552820102
3,573.00	18.63	106.75	3,388.63	-212.55	870.86	1,861,114.871	1,255,610.305	36.107889331	-107.552719843
3,668.00	17.14	115.62	3,479.05	-222.98	898.02	1,861,104.443	1,255,637.465	36.107861688	-107.552627447
3,762.00	14.19	111.32	3,569.56	-233.16	921.24	1,861,094.262	1,255,660.693	36.107834582	-107.552548367
3,857.00	11.03	105.69	3,662.26	-239.85	940.85	1,861,087.569	1,255,680.295	36.107816921	-107.552481718
3,951.00	7.34	100.15	3,755.04	-243.34	955.42	1,861,084.078	1,255,694.868	36.107807868	-107.552432236
4,045.00	2.99	79.15	3,848.64	-243.94	963.74	1,861,083.481	1,255,703.191	36.107806535	-107.552404039
4,140.00	0.62	11.03	3,943.59	-242.97	966.27	1,861,084.452	1,255,705.723	36.107809295	-107.552395512
4,171.00	0.62	15.95	3,974.59	-242.64	966.35	1,861,084.778	1,255,705.801	36.107810193	-107.552395263
4,203.00	1.49	300.55	4,006.58	-242.26	966.04	1,861,085.156	1,255,705.491	36.107811220	-107.552396331
4,234.00	4.70	290.09	4,037.54	-241.62	964.50	1,861,085.797	1,255,703.950	36.107812924	-107.552401574
4,265.00	8.92	287.27	4,068.31	-240.47	961.01	1,861,086.947	1,255,700.461	36.107815955	-107.552413436
4,297.00	12.57	287.62	4,099.74	-238.68	955.32	1,861,088.738	1,255,694.771	36.107820665	-107.552432774
4,328.00	15.47	294.39	4,129.82	-235.95	948.34	1,861,091.467	1,255,687.789	36.107827904	-107.552456531
4,359.00	18.50	296.41	4,159.46	-232.06	940.17	1,861,095.363	1,255,679.617	36.107838303	-107.552484367
4,391.00	21.31	295.45	4,189.55	-227.30	930.37	1,861,100.121	1,255,669.817	36.107851009	-107.552517750
4,422.00	24.30	291.23	4,218.12	-222.57	919.33	1,861,104.853	1,255,658.782	36.107863599	-107.552555314
4,454.00	27.25	284.37	4,246.94	-218.36	906.09	1,861,109.057	1,255,645.542	36.107874658	-107.552600317
4,485.00	30.59	282.44	4,274.07	-214.90	891.51	1,861,112.519	1,255,630.960	36.107883629	-107.552649829
4,517.00	32.70	280.33	4,301.32	-211.60	875.05	1,861,115.823	1,255,614.503	36.107892099	-107.552705680
4,548.00	36.74	277.25	4,326.79	-208.92	857.61	1,861,118.496	1,255,597.059	36.107898798	-107.552764843
4,580.00	40.17	273.91	4,351.85	-207.01	837.81	1,861,120.408	1,255,577.259	36.107903322	-107.552831943
4,612.00	43.20	271.80	4,375.75	-205.96	816.56	1,861,121.456	1,255,556.009	36.107905418	-107.552903914
4,644.00	46.63	271.28	4,398.41	-205.36	793.98	1,861,122.060	1,255,533.427	36.107906246	-107.552980373
4,675.00	49.97	271.19	4,419.02	-204.86	770.84	1,861,122.559	1,255,510.290	36.107906762	-107.553058705
4,706.00	52.91	271.89	4,438.35	-204.21	746.61	1,861,123.213	1,255,486.061	36.107907668	-107.553140740
4,738.00	55.37	269.52	4,457.09	-203.90	720.68	1,861,123.524	1,255,460.134	36.107907566	-107.553228508
4,769.00	57.30	265.83	4,474.28	-204.95	694.91	1,861,122.468	1,255,434.363	36.107903718	-107.553315685



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,801.00	58.32	264.16	4,491.33	-207.32	667.94	1,861,120.104	1,255,407.387	36.107896230	-107.553406880
4,832.00	57.61	263.98	4,507.77	-210.03	641.80	1,861,117.389	1,255,381.248	36.107887811	-107.553495225
4,864.00	58.18	262.40	4,524.78	-213.25	614.88	1,861,114.174	1,255,354.335	36.107877990	-107.553586171
4,895.00	60.86	264.51	4,540.50	-216.28	588.35	1,861,111.136	1,255,327.797	36.107868669	-107.553675853
4,927.00	64.20	265.56	4,555.26	-218.74	560.07	1,861,108.683	1,255,299.515	36.107860890	-107.553771463
4,958.00	67.85	265.92	4,567.86	-220.84	531.82	1,861,106.580	1,255,271.273	36.107854075	-107.553866956
4,990.00	71.46	266.62	4,578.98	-222.79	501.89	1,861,104.631	1,255,241.338	36.107847619	-107.553968186
5,021.00	74.84	267.59	4,587.97	-224.29	472.26	1,861,103.135	1,255,211.711	36.107842418	-107.554068392
5,053.00	78.00	267.41	4,595.48	-225.64	441.19	1,861,101.778	1,255,180.640	36.107837547	-107.554173496
5,085.00	80.99	267.23	4,601.31	-227.11	409.76	1,861,100.307	1,255,149.214	36.107832348	-107.554279792
5,116.00	83.89	268.03	4,605.39	-228.38	379.06	1,861,099.037	1,255,118.513	36.107827729	-107.554383644
5,147.00	86.97	269.34	4,607.86	-229.09	348.17	1,861,098.328	1,255,087.625	36.107824645	-107.554488158
5,170.00	87.76	269.40	4,608.92	-229.34	325.20	1,861,098.077	1,255,064.651	36.107823107	-107.554565905
FTP 100 FEL @ 1873 FSL @ 5170 MD 4608.92 TVD									
5,179.00	88.07	269.43	4,609.24	-229.43	316.21	1,861,097.985	1,255,055.657	36.107822524	-107.554596340
5,273.00	88.99	268.64	4,611.66	-231.02	222.25	1,861,096.403	1,254,961.703	36.107814714	-107.554914264
5,368.00	89.65	269.08	4,612.78	-232.91	127.28	1,861,094.513	1,254,866.730	36.107806022	-107.555235625
5,462.00	91.49	269.96	4,611.85	-233.69	33.29	1,861,093.725	1,254,772.743	36.107800392	-107.555553697
5,556.00	88.42	268.82	4,611.92	-234.70	-60.69	1,861,092.725	1,254,678.761	36.107794177	-107.555871741
5,651.00	88.90	268.90	4,614.14	-236.58	-155.65	1,861,090.835	1,254,583.806	36.107785484	-107.556193039
5,746.00	89.34	269.34	4,615.60	-238.04	-250.62	1,861,089.376	1,254,488.829	36.107777972	-107.556514431
5,840.00	88.64	268.11	4,617.26	-240.13	-344.58	1,861,087.285	1,254,394.870	36.107768760	-107.556832350
5,935.00	89.82	271.45	4,618.54	-240.50	-439.56	1,861,086.921	1,254,299.894	36.107764252	-107.557153787
6,029.00	91.71	273.74	4,617.28	-236.24	-533.44	1,861,091.176	1,254,206.010	36.107772470	-107.557471741
6,124.00	92.20	273.30	4,614.04	-230.42	-628.21	1,861,097.005	1,254,111.245	36.107784979	-107.557792747
6,218.00	93.25	273.83	4,609.57	-224.58	-721.92	1,861,102.843	1,254,017.535	36.107797550	-107.558110184
6,313.00	92.11	272.42	4,605.13	-219.40	-816.67	1,861,108.015	1,253,922.784	36.107808253	-107.558431112
6,407.00	89.43	272.60	4,603.87	-215.29	-910.56	1,861,112.131	1,253,828.891	36.107816086	-107.558749088
6,502.00	89.60	271.98	4,604.67	-211.49	-1,005.48	1,861,115.927	1,253,733.971	36.107823001	-107.559070526
6,596.00	90.00	272.24	4,605.00	-208.03	-1,099.42	1,861,119.388	1,253,640.036	36.107829031	-107.559388617
6,690.00	90.31	273.21	4,604.74	-203.56	-1,193.31	1,861,123.857	1,253,546.144	36.107837831	-107.559706606
6,784.00	90.57	273.83	4,604.02	-197.79	-1,287.13	1,861,129.628	1,253,452.325	36.107850209	-107.560024409
6,879.00	90.48	273.39	4,603.15	-191.81	-1,381.94	1,861,135.609	1,253,357.518	36.107863127	-107.560345565
6,974.00	90.13	272.68	4,602.65	-186.78	-1,476.80	1,861,140.639	1,253,262.654	36.107873429	-107.560666872
7,067.00	90.22	272.60	4,602.36	-182.50	-1,569.70	1,861,144.923	1,253,169.753	36.107881753	-107.560981498
7,162.00	90.44	273.04	4,601.82	-177.82	-1,664.58	1,861,149.596	1,253,074.870	36.107891075	-107.561302852
7,257.00	88.37	272.42	4,602.80	-173.30	-1,759.47	1,861,154.121	1,252,979.989	36.107899985	-107.561624193
7,351.00	88.46	271.28	4,605.40	-170.27	-1,853.38	1,861,157.154	1,252,886.075	36.107904835	-107.561942189
7,446.00	88.68	271.28	4,607.77	-168.14	-1,948.33	1,861,159.276	1,252,791.129	36.107907142	-107.562263641
7,541.00	88.20	270.31	4,610.36	-166.83	-2,043.28	1,861,160.593	1,252,696.174	36.107907240	-107.562585082
7,636.00	88.20	269.70	4,613.34	-166.82	-2,138.23	1,861,160.602	1,252,601.221	36.107903741	-107.562906458
7,730.00	87.89	268.99	4,616.55	-167.89	-2,232.17	1,861,159.528	1,252,507.283	36.107897307	-107.563224351
7,824.00	88.99	271.63	4,619.11	-167.38	-2,326.13	1,861,160.037	1,252,413.329	36.107895218	-107.563542369
7,919.00	88.64	270.75	4,621.07	-165.41	-2,421.08	1,861,162.009	1,252,318.371	36.107897111	-107.563863853
8,013.00	90.79	271.81	4,621.54	-163.31	-2,515.05	1,861,164.109	1,252,224.403	36.107899389	-107.564181993
8,107.00	90.48	271.10	4,620.50	-160.92	-2,609.02	1,861,166.495	1,252,130.440	36.107902455	-107.564500128
8,202.00	91.93	271.45	4,618.50	-158.81	-2,703.97	1,861,168.609	1,252,035.488	36.107904732	-107.564821601
8,297.00	91.14	270.22	4,615.96	-157.43	-2,798.92	1,861,169.992	1,251,940.534	36.107905005	-107.565143041
8,391.00	90.09	268.90	4,614.95	-158.15	-2,892.91	1,861,169.271	1,251,846.546	36.107899529	-107.565461119
8,485.00	93.25	271.71	4,612.21	-157.65	-2,986.85	1,861,169.769	1,251,752.609	36.107897406	-107.565779080
8,580.00	93.34	271.37	4,606.75	-155.10	-3,081.66	1,861,172.318	1,251,657.801	36.107900881	-107.566100084
8,674.00	93.38	270.84	4,601.24	-153.29	-3,175.48	1,861,174.127	1,251,563.980	36.107902362	-107.566417710
8,769.00	91.54	270.22	4,597.16	-152.42	-3,270.38	1,861,175.005	1,251,469.077	36.107901242	-107.566738960
8,864.00	89.69	267.85	4,596.14	-154.02	-3,365.35	1,861,173.405	1,251,374.107	36.107893314	-107.567060321
8,958.00	89.87	267.50	4,596.50	-157.83	-3,459.27	1,861,169.591	1,251,280.185	36.107879346	-107.567378031



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 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
9,052.00	89.16	265.92	4,597.30	-163.22	-3,553.11	1,861,164.197	1,251,186.347	36.107861038	-107.567695386
9,147.00	89.78	270.40	4,598.18	-166.27	-3,648.03	1,861,161.148	1,251,091.425	36.107849129	-107.568016518
9,241.00	89.56	270.14	4,598.72	-165.83	-3,742.03	1,861,161.591	1,250,997.428	36.107846845	-107.568334679
9,336.00	90.00	271.72	4,599.08	-164.29	-3,837.01	1,861,163.133	1,250,902.445	36.107847541	-107.568656228
9,430.00	90.22	271.19	4,598.90	-161.90	-3,930.98	1,861,165.520	1,250,808.476	36.107850595	-107.568974383
9,525.00	90.22	273.30	4,598.54	-158.18	-4,025.90	1,861,169.241	1,250,713.555	36.107857277	-107.569295821
9,619.00	90.04	273.21	4,598.32	-152.84	-4,119.75	1,861,174.578	1,250,619.707	36.107868437	-107.569613702
9,714.00	91.54	274.44	4,597.02	-146.51	-4,214.53	1,861,180.914	1,250,524.932	36.107882306	-107.569934765
9,809.00	91.45	273.74	4,594.54	-139.73	-4,309.25	1,861,187.688	1,250,430.207	36.107897376	-107.570255681
9,903.00	91.71	273.12	4,591.94	-134.11	-4,403.05	1,861,193.310	1,250,336.412	36.107909316	-107.570573397
9,998.00	92.07	272.60	4,588.81	-129.37	-4,497.88	1,861,198.047	1,250,241.583	36.107918789	-107.570894572
10,093.00	92.37	271.89	4,585.13	-125.65	-4,592.73	1,861,201.766	1,250,146.728	36.107925462	-107.571215787
10,187.00	90.26	271.98	4,582.97	-122.48	-4,686.65	1,861,204.939	1,250,052.812	36.107930670	-107.571533800
10,281.00	90.57	271.54	4,582.29	-119.59	-4,780.60	1,861,207.826	1,249,958.859	36.107935091	-107.571851923
10,376.00	90.79	270.75	4,581.17	-117.70	-4,875.57	1,861,209.724	1,249,863.886	36.107936757	-107.572173455
10,470.00	91.32	270.22	4,579.44	-116.90	-4,969.55	1,861,210.519	1,249,769.906	36.107935431	-107.572491574
10,565.00	91.05	268.73	4,577.47	-117.77	-5,064.53	1,861,209.649	1,249,674.933	36.107929491	-107.572812977
10,659.00	90.62	271.72	4,576.10	-117.40	-5,158.51	1,861,210.018	1,249,580.955	36.107926992	-107.573131070
10,754.00	91.19	271.19	4,574.60	-114.99	-5,253.46	1,861,212.430	1,249,485.998	36.107930066	-107.573452569
10,848.00	91.49	270.31	4,572.40	-113.76	-5,347.43	1,861,213.660	1,249,392.033	36.107929931	-107.573770658
10,943.00	91.85	270.05	4,569.63	-113.46	-5,442.39	1,861,213.959	1,249,297.075	36.107927198	-107.574092066
11,037.00	92.33	269.52	4,566.20	-113.81	-5,536.32	1,861,213.606	1,249,203.139	36.107922716	-107.574409984
11,132.00	91.01	271.19	4,563.44	-113.22	-5,631.28	1,861,214.195	1,249,108.186	36.107920780	-107.574731384
11,226.00	91.58	270.57	4,561.31	-111.78	-5,725.24	1,861,215.638	1,249,014.223	36.107921226	-107.575049478
11,321.00	90.13	273.12	4,559.89	-108.72	-5,820.17	1,861,218.697	1,248,919.293	36.107926071	-107.575370915
11,415.00	90.40	272.77	4,559.46	-103.89	-5,914.04	1,861,223.526	1,248,825.418	36.107935820	-107.575688863
11,510.00	90.75	272.07	4,558.51	-99.88	-6,008.95	1,861,227.537	1,248,730.509	36.107943281	-107.576010277
11,605.00	89.08	274.26	4,558.65	-94.64	-6,103.80	1,861,232.782	1,248,635.663	36.107954131	-107.576331531
11,699.00	89.12	273.91	4,560.12	-87.94	-6,197.55	1,861,239.477	1,248,541.914	36.107969006	-107.576649142
11,794.00	89.03	273.21	4,561.66	-82.04	-6,292.35	1,861,245.375	1,248,447.110	36.107981651	-107.576970284
11,888.00	90.35	274.44	4,562.17	-75.77	-6,386.14	1,861,251.646	1,248,353.325	36.107995355	-107.577287996
11,983.00	89.52	273.39	4,562.27	-69.29	-6,480.91	1,861,258.132	1,248,258.549	36.108009615	-107.577609071
12,077.00	91.89	274.18	4,561.12	-63.08	-6,574.69	1,861,264.336	1,248,164.769	36.108023136	-107.577926764
12,171.00	91.10	272.95	4,558.66	-57.24	-6,668.48	1,861,270.178	1,248,070.986	36.108035663	-107.578244451
12,266.00	90.97	272.07	4,556.95	-53.08	-6,763.37	1,861,274.338	1,247,976.093	36.108043526	-107.578565814
12,360.00	90.53	270.66	4,555.72	-50.84	-6,857.33	1,861,276.577	1,247,882.131	36.108046148	-107.578883940
12,455.00	89.96	269.61	4,555.31	-50.62	-6,952.33	1,861,276.801	1,247,787.134	36.108043195	-107.579205475
12,549.00	92.11	270.75	4,553.61	-50.32	-7,046.31	1,861,277.096	1,247,693.157	36.108040475	-107.579523560
12,644.00	92.99	270.57	4,549.39	-49.23	-7,141.21	1,861,278.189	1,247,598.259	36.108039913	-107.579844802
12,738.00	93.38	270.05	4,544.16	-48.72	-7,235.06	1,861,278.697	1,247,504.406	36.108037781	-107.580162477
12,832.00	93.34	269.43	4,538.65	-49.15	-7,328.90	1,861,278.271	1,247,410.569	36.108033084	-107.580480054
12,867.00	93.39	269.18	4,536.60	-49.57	-7,363.83	1,861,277.847	1,247,375.632	36.108030606	-107.580598281
Frac Sleeve @ 12867.00 MD 4536.60 TVD									
12,876.00	93.41	269.11	4,536.07	-49.71	-7,372.82	1,861,277.713	1,247,366.649	36.108029901	-107.580628679
LTP 100 mid sect @ 1853 FSL @ 12876 MD 4536.09 TVD									
12,917.00	93.47	268.82	4,533.61	-50.44	-7,413.74	1,861,276.975	1,247,325.730	36.108026336	-107.580767139
Survey @ 12917.00 MD 4533.61 TVD									
12,984.00	93.47	268.82	4,529.55	-51.82	-7,480.60	1,861,275.598	1,247,258.867	36.108020040	-107.580993378
Survey Proj. to 12984.00 MD 4529.55 TVD									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 350 H
Project:	Sandoval County, New Mexico NAD83 NM C	TVD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Site:	S Escavada Unit	MD Reference:	RKB=6749+28 @ 6777.00ft (Ensign 773)
Well:	S Escavada Unit 350 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,736.00	2,620.51		9-5/8	12-1/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
475.00	475.00	-0.05	-0.16	MWD surveys
2,736.00	2,620.51	-109.81	556.22	9 5/8" Csg @ 2736.00 MD 2620.51 TVD
5,170.00	4,608.92	-229.34	325.20	FTP 100 FEL @ 1873 FSL @ 5170 MD 4608.92 TVD
12,867.00	4,536.60	-49.57	-7,363.83	Frac Sleeve @ 12867.00 MD 4536.60 TVD
12,876.00	4,536.07	-49.71	-7,372.82	LTP 100 mid sect @ 1853 FSL @ 12876 MD 4536.09 TVD
12,917.00	4,533.61	-50.44	-7,413.74	Survey @ 12917.00 MD 4533.61 TVD
12,984.00	4,529.55	-51.82	-7,480.60	Survey Proj. to 12984.00 MD 4529.55 TVD

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 76460

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 76460
	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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CONDITIONS

Action 76460

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 76460
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 5/20/2022.	3/18/2022