

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 30-043-21349	⁵ Pool Name RUSTY GALLUP		⁶ Pool Code 52860
⁷ Property Code 322151	⁸ Property Name S ESCAVADA UNIT		⁹ Well Number #347H

II. ¹⁰ Surface Location

UL or lot no. I	Section 27	Township 22N	Range 7W	Lot Idn	Feet from the 2082'	North/South Line South	Feet from the 397'	East/West line East	County Sandoval
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¹¹ Bottom Hole Location

UL or lot no. 0	Section 28	Township 22N	Range 7W	Lot Idn	Feet from the 416'	North/South line South	Feet from the 2615'	East/West line East	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 10/26/2021	²² Ready Date 2/20/2022	²³ TD 13214' MD 4547' TVD	²⁴ PBDT 13107' MD 4547' TVD	²⁵ Perforations ~ 5480'-13116' MD ~ 4603'-4547' 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		384' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2822' MD		684 sx- surface
8-1/2"		5-1/2",17#, P-110		13214' MD		1824 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	

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 30-043-21349	² Pool Code 52860	³ Pool Name RUSTY GALLUP OIL POOL
⁴ Property Code 322151	⁵ Property Name S ESCAVADA UNIT	⁶ Well Number 347H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6749'

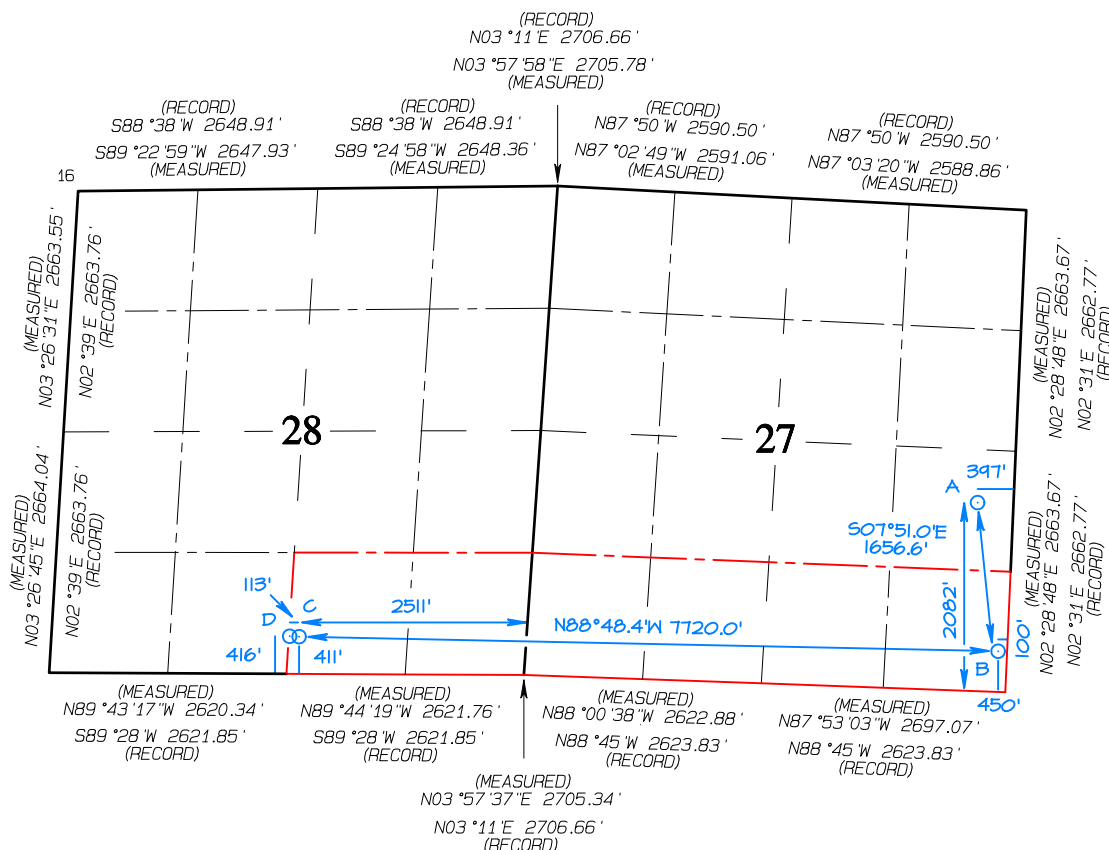
¹⁰ Surface Location

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		2082	SOUTH	397	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
0	28	22N	7W		416	SOUTH	2615	EAST	SANDOVAL

¹² Dedicated Acres 240.00	S/2 SE/4 - Section 28 S/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 1/20/22
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 17, 2022
Date of Survey: MAY 1, 2017

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

END-OF-LATERAL (D)
416' FSL 2615' FEL
SEC 28, T22N, R7W
LAT: 36.104062°N
LONG: 107.580579°W
DATUM: NAD1927

LAT: 36.104078°N
LONG: 107.581186°W
DATUM: NAD1983

LAST TAKE POINT (C)
(FRAC SLEEVE)
411' FSL 2511' FEL
SEC 28, T22N, R7W
LAT: 36.104054°N
LONG: 107.580227°W
DATUM: NAD1927

LAT: 36.104069°N
LONG: 107.580835°W
DATUM: NAD1983

FIRST TAKE POINT (B)
450' FSL 100' FEL
SEC 27, T22N, R7W
LAT: 36.103900°N
LONG: 107.554098°W
DATUM: NAD1927

LAT: 36.103915°N
LONG: 107.554705°W
DATUM: NAD1983

SURFACE LOCATION (A)
2082' FSL 397' FEL
SEC 27, T22N, R7W
LAT: 36.108399°N
LONG: 107.554939°W
DATUM: NAD1927

LAT: 36.108414°N
LONG: 107.555545°W
DATUM: NAD1983



Well: S Escavada Unit 347 H
Site: S Escavada Unit
Project: Sandoval County, New Mexico NAD83 NM C
Design: Surveys Original Hole
Rig: Ensign 773

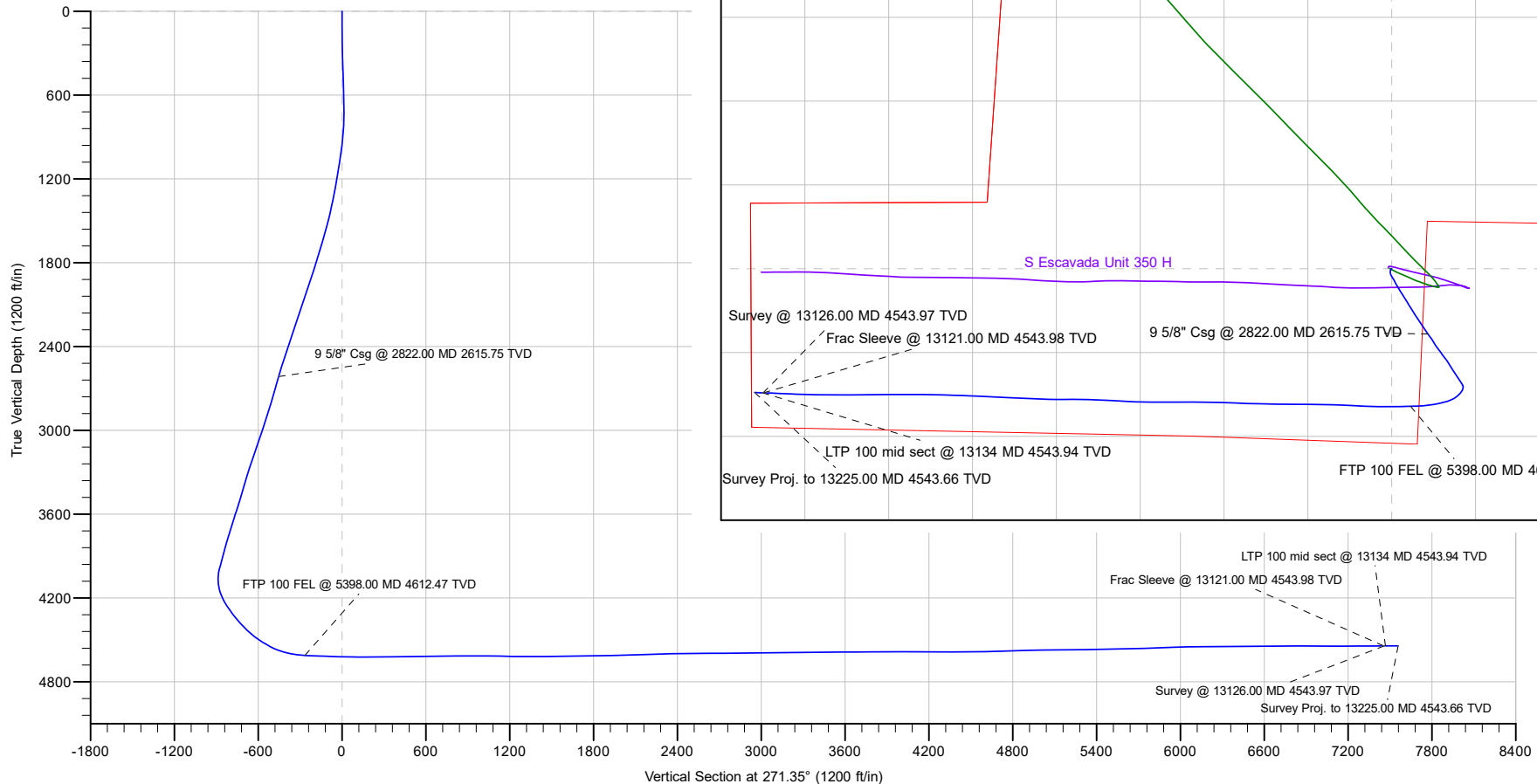
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Central Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6749+28 @ 6777.00ft (Ensign 773)
Surface location:
Northing Easting Latitude Longitude
1861317.067 1254778.312 36.108414000 -107.555545000

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



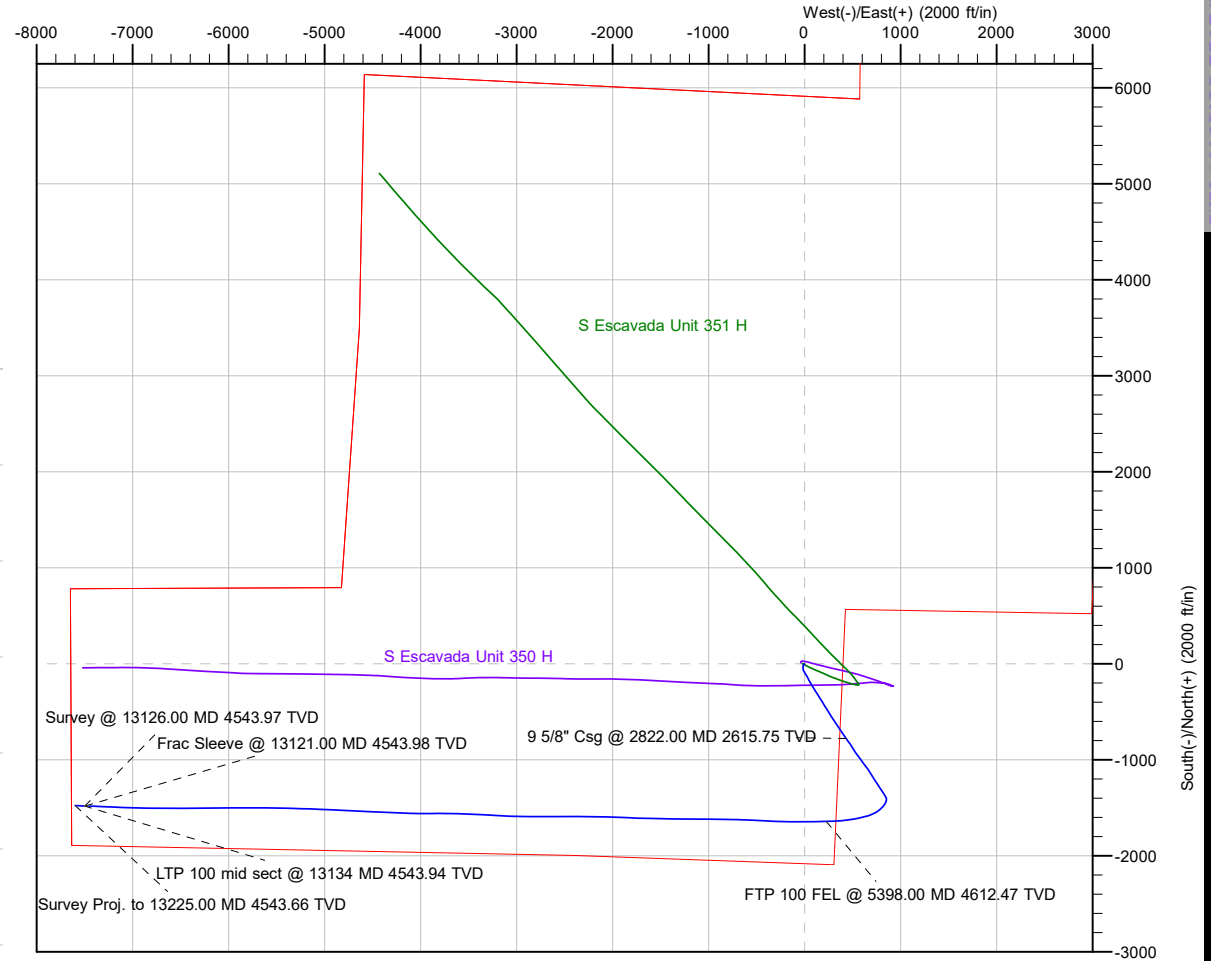
Azimuths to Grid North
True North: 0.77°
Magnetic North: 9.43°

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



ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	V/Sect	Annotation
443.00	3.12	220.74	442.78	-9.14	-7.87	7.65	MWD surveys
2822.00	26.00	144.20	2615.75	-777.17	434.42	-452.60	9 5/8" Csg @ 2822.00 MD 2615.75 TVD
5398.00	87.14	268.48	4612.47	-1641.00	226.12	-264.72	FTP 100 FEL @ 5398.00 MD 4612.47 TVD
13121.00	90.19	272.49	4543.98	-1480.31	-7492.23	7455.28	Frac Sleeve @ 13121.00 MD 4543.98 TVD
13126.00	90.18	272.51	4543.97	-1480.09	-7497.23	7460.27	Survey @ 13126.00 MD 4543.97 TVD
13134.00	90.18	272.51	4543.94	-1479.74	-7505.22	7468.27	LTP 100 mid sect @ 13134 MD 4543.94 TVD
13225.00	90.18	272.51	4543.66	-1475.75	-7596.13	7559.25	Survey Proj. to 13225.00 MD 4543.66 TVD





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 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 347 H, Surf loc: 2082 FSL 397 FEL Section 27-T22N-R07W		
Well Position	+N/-S	0.00 ft	Northing: 1,861,317.067 usft
	+E/-W	0.00 ft	Easting: 1,254,778.312 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	49,215.26122001

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	1/13/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
443.00	2,746.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,883.00	13,126.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
13,225.00	13,225.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
443.00	3.12	220.74	442.78	-9.14	-7.87	7.65	0.70	0.70	0.00
MWD surveys									
504.00	3.87	214.24	503.67	-12.10	-10.11	9.82	1.39	1.23	-10.66
596.00	6.68	191.47	595.28	-19.91	-12.92	12.45	3.75	3.05	-24.75
686.00	9.05	184.09	684.43	-32.10	-14.47	13.71	2.86	2.63	-8.20
778.00	10.68	175.74	775.07	-47.82	-14.35	13.22	2.35	1.77	-9.08
869.00	12.00	162.03	864.31	-65.23	-10.81	9.27	3.29	1.45	-15.07



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
961.00	13.27	149.20	954.09	-83.40	-2.45	0.48	3.34	1.38	-13.95
1,051.00	14.81	148.58	1,041.40	-102.09	8.84	-11.24	1.72	1.71	-0.69
1,141.00	17.31	150.25	1,127.88	-123.54	21.48	-24.39	2.82	2.78	1.86
1,236.00	19.60	152.62	1,217.99	-149.96	35.82	-39.35	2.54	2.41	2.49
1,330.00	20.96	150.51	1,306.17	-178.60	51.35	-55.55	1.64	1.45	-2.24
1,424.00	22.06	150.16	1,393.62	-208.55	68.41	-73.31	1.18	1.17	-0.37
1,519.00	24.13	148.06	1,481.00	-240.50	87.57	-93.21	2.34	2.18	-2.21
1,613.00	26.72	147.88	1,565.89	-274.71	108.97	-115.41	2.76	2.76	-0.19
1,708.00	29.14	148.32	1,649.82	-312.49	132.48	-139.80	2.56	2.55	0.46
1,803.00	28.83	147.70	1,732.92	-351.53	156.86	-165.10	0.45	-0.33	-0.65
1,897.00	28.56	148.41	1,815.38	-389.83	180.74	-189.88	0.46	-0.29	0.76
1,992.00	30.94	147.79	1,897.85	-429.84	205.66	-215.73	2.53	2.51	-0.65
2,086.00	31.29	147.79	1,978.32	-470.94	231.55	-242.58	0.37	0.37	0.00
2,180.00	31.73	148.06	2,058.46	-512.57	257.64	-269.65	0.49	0.47	0.29
2,275.00	30.28	147.53	2,139.89	-553.98	283.72	-296.69	1.55	-1.53	-0.56
2,369.00	30.28	146.03	2,221.07	-593.63	309.68	-323.58	0.80	0.00	-1.60
2,463.00	30.63	146.91	2,302.10	-633.35	336.00	-350.82	0.60	0.37	0.94
2,557.00	31.42	145.95	2,382.65	-673.71	362.79	-378.56	0.99	0.84	-1.02
2,651.00	29.00	145.42	2,463.88	-712.78	389.44	-406.13	2.59	-2.57	-0.56
2,746.00	27.03	145.24	2,547.74	-749.47	414.82	-432.37	2.08	-2.07	-0.19
2,822.00	26.00	144.20	2,615.75	-777.17	434.42	-452.60	1.49	-1.35	-1.37
9 5/8" Csg @ 2822.00 MD 2615.75 TVD									
2,883.00	25.18	143.31	2,670.76	-798.42	449.99	-468.68	1.49	-1.35	-1.46
2,998.00	28.12	148.41	2,773.55	-841.14	478.81	-498.50	3.24	2.56	4.43
3,092.00	28.04	147.26	2,856.48	-878.60	502.37	-522.93	0.58	-0.09	-1.22
3,187.00	29.84	145.15	2,939.62	-916.78	527.95	-549.40	2.18	1.89	-2.22
3,282.00	29.66	144.54	3,022.10	-955.32	555.09	-577.45	0.37	-0.19	-0.64
3,376.00	29.18	143.66	3,103.98	-992.72	582.17	-605.39	0.69	-0.51	-0.94
3,470.00	28.92	143.13	3,186.15	-1,029.36	609.38	-633.46	0.39	-0.28	-0.56
3,565.00	27.73	142.17	3,269.78	-1,065.20	636.72	-661.64	1.34	-1.25	-1.01
3,660.00	26.63	146.38	3,354.29	-1,100.39	662.07	-687.81	2.33	-1.16	4.43
3,754.00	28.87	147.62	3,437.48	-1,137.10	685.89	-712.49	2.46	2.38	1.32
3,848.00	28.04	147.09	3,520.12	-1,174.82	710.05	-737.53	0.92	-0.88	-0.56
3,943.00	30.15	147.70	3,603.13	-1,213.73	734.93	-763.32	2.24	2.22	0.64
4,037.00	28.48	146.30	3,685.09	-1,252.33	759.98	-789.27	1.92	-1.78	-1.49
4,132.00	28.74	147.62	3,768.49	-1,290.47	784.78	-814.96	0.72	0.27	1.39
4,226.00	24.52	145.77	3,852.50	-1,325.70	807.87	-838.87	4.57	-4.49	-1.97
4,320.00	26.46	147.26	3,937.35	-1,359.44	830.17	-861.96	2.17	2.06	1.59
4,351.00	26.06	146.74	3,965.15	-1,370.95	837.64	-869.70	1.49	-1.29	-1.68
4,382.00	25.22	148.85	3,993.10	-1,382.29	844.79	-877.12	4.00	-2.71	6.81
4,414.00	24.13	161.50	4,022.19	-1,394.34	850.39	-883.01	16.82	-3.41	39.53
4,446.00	24.52	174.51	4,051.37	-1,407.16	853.11	-886.02	16.76	1.22	40.66
4,477.00	26.06	187.17	4,079.42	-1,420.33	852.87	-886.10	18.10	4.97	40.84
4,508.00	28.08	197.27	4,107.04	-1,434.06	849.85	-883.40	16.17	6.52	32.58



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 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)
4,540.00	30.19	205.97	4,135.00	-1,448.50	844.09	-877.98	14.77	6.59	27.19
4,572.00	32.78	212.39	4,162.30	-1,463.05	835.92	-870.16	13.23	8.09	20.06
4,604.00	35.60	218.10	4,188.77	-1,477.70	825.53	-860.12	13.34	8.81	17.84
4,635.00	37.66	222.94	4,213.65	-1,491.74	813.51	-848.43	11.44	6.65	15.61
4,667.00	39.24	227.77	4,238.72	-1,505.70	799.35	-834.60	10.60	4.94	15.09
4,698.00	40.30	231.11	4,262.55	-1,518.59	784.28	-819.84	7.69	3.42	10.77
4,729.00	41.40	234.72	4,286.00	-1,530.80	768.11	-803.96	8.40	3.55	11.65
4,761.00	41.79	238.41	4,309.93	-1,542.50	750.39	-786.52	7.75	1.22	11.53
4,792.00	42.32	241.48	4,332.95	-1,552.90	732.42	-768.80	6.85	1.71	9.90
4,824.00	43.37	245.44	4,356.42	-1,562.61	712.96	-749.57	9.03	3.28	12.38
4,855.00	44.21	248.78	4,378.80	-1,570.95	693.20	-730.02	7.93	2.71	10.77
4,887.00	45.04	251.68	4,401.58	-1,578.55	672.05	-709.05	6.87	2.59	9.06
4,918.00	46.67	254.40	4,423.17	-1,585.03	650.77	-687.93	8.20	5.26	8.77
4,950.00	49.35	255.46	4,444.58	-1,591.20	627.81	-665.12	8.73	8.38	3.31
4,981.00	50.76	255.90	4,464.48	-1,597.08	604.78	-642.24	4.68	4.55	1.42
5,013.00	54.18	257.39	4,483.97	-1,602.93	580.09	-617.69	11.31	10.69	4.66
5,045.00	57.30	258.88	4,501.99	-1,608.37	554.21	-591.95	10.48	9.75	4.66
5,076.00	59.63	259.76	4,518.20	-1,613.26	528.25	-566.11	7.90	7.52	2.84
5,108.00	60.34	259.94	4,534.21	-1,618.14	500.97	-538.96	2.27	2.22	0.56
5,139.00	61.17	260.29	4,549.35	-1,622.79	474.33	-512.43	2.85	2.68	1.13
5,171.00	65.48	262.66	4,563.71	-1,627.01	446.06	-484.26	15.01	13.47	7.41
5,202.00	70.22	264.42	4,575.40	-1,630.23	417.54	-455.83	16.17	15.29	5.68
5,234.00	74.05	265.92	4,585.21	-1,632.79	387.19	-425.55	12.77	11.97	4.69
5,265.00	75.72	266.53	4,593.30	-1,634.76	357.33	-395.75	5.71	5.39	1.97
5,296.00	78.40	266.71	4,600.24	-1,636.54	327.17	-365.64	8.66	8.65	0.58
5,328.00	81.43	267.06	4,605.84	-1,638.25	295.72	-334.23	9.53	9.47	1.09
5,359.00	84.42	267.59	4,609.66	-1,639.69	264.99	-303.55	9.79	9.65	1.71
5,391.00	86.84	268.38	4,612.10	-1,640.81	233.11	-271.70	7.95	7.56	2.47
5,398.00	87.14	268.48	4,612.47	-1,641.00	226.12	-264.72	4.46	4.23	1.42
FTP 100 FEL @ 5398.00 MD 4612.47 TVD									
5,422.00	88.15	268.82	4,613.45	-1,641.57	202.15	-240.77	4.46	4.23	1.42
5,454.00	87.98	269.26	4,614.53	-1,642.10	170.17	-208.81	1.47	-0.53	1.38
5,548.00	87.36	269.17	4,618.36	-1,643.39	76.26	-114.95	0.67	-0.66	-0.10
5,643.00	88.95	269.96	4,621.41	-1,644.11	-18.69	-20.05	1.87	1.67	0.83
5,737.00	88.64	270.14	4,623.39	-1,644.03	-112.67	73.90	0.38	-0.33	0.19
5,832.00	90.62	271.01	4,624.00	-1,643.08	-207.65	168.89	2.28	2.08	0.92
5,927.00	90.92	272.42	4,622.73	-1,640.23	-302.60	263.87	1.52	0.32	1.48
6,021.00	90.62	272.95	4,621.46	-1,635.83	-396.49	357.84	0.65	-0.32	0.56
6,115.00	90.53	273.65	4,620.52	-1,630.42	-490.33	451.78	0.75	-0.10	0.74
6,228.00	90.66	271.19	4,619.35	-1,625.65	-603.21	564.74	2.18	0.12	-2.18
6,323.00	90.66	271.45	4,618.25	-1,623.46	-698.18	659.74	0.27	0.00	0.27
6,418.00	90.66	271.01	4,617.16	-1,621.42	-793.15	754.73	0.46	0.00	-0.46
6,512.00	90.35	271.28	4,616.33	-1,619.54	-887.13	848.73	0.44	-0.33	0.29



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 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)
6,606.00	90.00	270.75	4,616.04	-1,617.88	-981.11	942.72	0.68	-0.37	-0.56
6,700.00	89.60	270.49	4,616.37	-1,616.86	-1,075.11	1,036.72	0.51	-0.43	-0.28
6,795.00	89.12	270.49	4,617.43	-1,616.05	-1,170.10	1,131.70	0.51	-0.51	0.00
6,889.00	88.51	270.49	4,619.38	-1,615.24	-1,264.07	1,225.67	0.65	-0.65	0.00
6,984.00	90.75	270.75	4,619.99	-1,614.22	-1,359.06	1,320.65	2.37	2.36	0.27
7,078.00	90.26	270.75	4,619.16	-1,612.99	-1,453.05	1,414.64	0.52	-0.52	0.00
7,173.00	89.82	271.01	4,619.09	-1,611.53	-1,548.04	1,509.64	0.54	-0.46	0.27
7,267.00	91.23	271.36	4,618.23	-1,609.58	-1,642.01	1,603.63	1.55	1.50	0.37
7,362.00	90.75	272.33	4,616.59	-1,606.53	-1,736.94	1,698.61	1.14	-0.51	1.02
7,456.00	90.44	272.86	4,615.62	-1,602.27	-1,830.84	1,792.59	0.65	-0.33	0.56
7,551.00	91.89	271.89	4,613.68	-1,598.33	-1,925.74	1,887.55	1.84	1.53	-1.02
7,646.00	91.41	271.45	4,610.95	-1,595.57	-2,020.66	1,982.51	0.69	-0.51	-0.46
7,740.00	91.23	272.07	4,608.78	-1,592.68	-2,114.59	2,076.48	0.69	-0.19	0.66
7,835.00	92.24	269.87	4,605.91	-1,591.07	-2,209.52	2,171.43	2.55	1.06	-2.32
7,929.00	91.58	269.70	4,602.77	-1,591.42	-2,303.47	2,265.34	0.73	-0.70	-0.18
8,023.00	91.36	270.05	4,600.36	-1,591.63	-2,397.44	2,359.28	0.44	-0.23	0.37
8,118.00	90.83	270.31	4,598.55	-1,591.33	-2,492.42	2,454.24	0.62	-0.56	0.27
8,212.00	90.48	270.22	4,597.47	-1,590.90	-2,586.41	2,548.21	0.38	-0.37	-0.10
8,307.00	90.35	269.52	4,596.78	-1,591.11	-2,681.41	2,643.18	0.75	-0.14	-0.74
8,401.00	90.35	270.31	4,596.21	-1,591.25	-2,775.41	2,737.15	0.84	0.00	0.84
8,495.00	90.22	270.31	4,595.74	-1,590.74	-2,869.40	2,831.13	0.14	-0.14	0.00
8,590.00	90.13	271.19	4,595.45	-1,589.50	-2,964.40	2,926.12	0.93	-0.09	0.93
8,685.00	90.97	272.16	4,594.54	-1,586.72	-3,059.35	3,021.12	1.35	0.88	1.02
8,779.00	91.41	272.95	4,592.59	-1,582.53	-3,153.23	3,115.07	0.96	0.47	0.84
8,874.00	90.88	273.04	4,590.69	-1,577.57	-3,248.08	3,210.02	0.57	-0.56	0.09
8,968.00	90.26	272.77	4,589.75	-1,572.81	-3,341.96	3,303.98	0.72	-0.66	-0.29
9,062.00	90.13	273.21	4,589.43	-1,567.90	-3,435.83	3,397.94	0.49	-0.14	0.47
9,157.00	90.00	273.74	4,589.33	-1,562.15	-3,530.65	3,492.87	0.57	-0.14	0.56
9,251.00	90.79	270.75	4,588.68	-1,558.46	-3,624.57	3,586.85	3.29	0.84	-3.18
9,346.00	90.35	269.34	4,587.73	-1,558.39	-3,719.56	3,681.81	1.55	-0.46	-1.48
9,440.00	90.13	269.61	4,587.34	-1,559.25	-3,813.56	3,775.76	0.37	-0.23	0.29
9,535.00	89.60	269.52	4,587.56	-1,559.97	-3,908.55	3,870.72	0.57	-0.56	-0.09
9,629.00	90.70	271.89	4,587.32	-1,558.82	-4,002.54	3,964.70	2.78	1.17	2.52
9,724.00	90.35	271.45	4,586.45	-1,556.05	-4,097.49	4,059.70	0.59	-0.37	-0.46
9,819.00	90.09	272.16	4,586.08	-1,553.05	-4,192.44	4,154.69	0.80	-0.27	0.75
9,913.00	89.65	271.98	4,586.30	-1,549.66	-4,286.38	4,248.68	0.51	-0.47	-0.19
10,008.00	89.43	272.07	4,587.06	-1,546.30	-4,381.32	4,343.67	0.25	-0.23	0.09
10,103.00	89.69	273.65	4,587.79	-1,541.56	-4,476.20	4,438.63	1.69	0.27	1.66
10,197.00	90.62	272.60	4,587.53	-1,536.44	-4,570.05	4,532.59	1.49	0.99	-1.12
10,292.00	92.37	272.33	4,585.06	-1,532.35	-4,664.93	4,627.53	1.86	1.84	-0.28
10,386.00	91.76	272.60	4,581.67	-1,528.31	-4,758.78	4,721.45	0.71	-0.65	0.29
10,480.00	91.76	272.95	4,578.78	-1,523.77	-4,852.63	4,815.38	0.37	0.00	0.37
10,575.00	91.32	272.86	4,576.23	-1,518.95	-4,947.47	4,910.31	0.47	-0.46	-0.09



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 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)
10,669.00	91.10	272.16	4,574.24	-1,514.84	-5,041.36	5,004.27	0.78	-0.23	-0.74
10,764.00	91.01	271.80	4,572.49	-1,511.55	-5,136.29	5,099.25	0.39	-0.09	-0.38
10,859.00	90.66	271.63	4,571.11	-1,508.71	-5,231.23	5,194.24	0.41	-0.37	-0.18
10,953.00	90.13	271.45	4,570.46	-1,506.19	-5,325.20	5,288.23	0.60	-0.56	-0.19
11,048.00	90.26	271.54	4,570.14	-1,503.71	-5,420.16	5,383.23	0.17	0.14	0.09
11,142.00	91.14	271.28	4,568.99	-1,501.39	-5,514.13	5,477.22	0.98	0.94	-0.28
11,236.00	91.05	272.51	4,567.19	-1,498.29	-5,608.06	5,571.20	1.31	-0.10	1.31
11,331.00	92.15	269.08	4,564.54	-1,496.97	-5,702.99	5,666.14	3.79	1.16	-3.61
11,426.00	92.68	269.17	4,560.54	-1,498.42	-5,797.90	5,760.99	0.57	0.56	0.09
11,520.00	92.37	269.43	4,556.40	-1,499.57	-5,891.80	5,854.84	0.43	-0.33	0.28
11,615.00	91.54	269.43	4,553.15	-1,500.51	-5,986.74	5,949.73	0.87	-0.87	0.00
11,709.00	91.01	269.34	4,551.06	-1,501.52	-6,080.71	6,043.65	0.57	-0.56	-0.10
11,804.00	90.75	269.87	4,549.60	-1,502.17	-6,175.70	6,138.59	0.62	-0.27	0.56
11,898.00	90.66	269.34	4,548.45	-1,502.82	-6,269.69	6,232.54	0.57	-0.10	-0.56
11,993.00	90.13	268.99	4,547.79	-1,504.21	-6,364.67	6,327.47	0.67	-0.56	-0.37
12,087.00	89.69	268.73	4,547.94	-1,506.08	-6,458.65	6,421.38	0.54	-0.47	-0.28
12,182.00	90.92	271.19	4,547.43	-1,506.14	-6,553.64	6,516.34	2.90	1.29	2.59
12,276.00	90.66	271.36	4,546.14	-1,504.05	-6,647.61	6,610.33	0.33	-0.28	0.18
12,371.00	90.48	271.01	4,545.19	-1,502.09	-6,742.59	6,705.33	0.41	-0.19	-0.37
12,465.00	89.96	271.19	4,544.83	-1,500.28	-6,836.57	6,799.32	0.59	-0.55	0.19
12,560.00	89.96	271.36	4,544.90	-1,498.17	-6,931.54	6,894.32	0.18	0.00	0.18
12,654.00	89.52	271.63	4,545.33	-1,495.72	-7,025.51	6,988.32	0.55	-0.47	0.29
12,748.00	89.34	271.28	4,546.26	-1,493.33	-7,119.48	7,082.32	0.42	-0.19	-0.37
12,842.00	90.70	271.81	4,546.23	-1,490.79	-7,213.44	7,176.31	1.55	1.45	0.56
12,936.00	90.53	272.16	4,545.22	-1,487.54	-7,307.38	7,270.30	0.41	-0.18	0.37
13,031.00	90.40	272.16	4,544.45	-1,483.96	-7,402.31	7,365.29	0.14	-0.14	0.00
13,121.00	90.19	272.49	4,543.98	-1,480.31	-7,492.23	7,455.28	0.44	-0.23	0.37
Frac Sleeve @ 13121.00 MD 4543.98 TVD									
13,126.00	90.18	272.51	4,543.97	-1,480.09	-7,497.23	7,460.28	0.44	-0.23	0.37
Survey @ 13126.00 MD 4543.97 TVD									
13,134.00	90.18	272.51	4,543.94	-1,479.74	-7,505.22	7,468.27	0.00	0.00	0.00
LTP 100 mid sect @ 13134 MD 4543.94 TVD									
13,225.00	90.18	272.51	4,543.66	-1,475.75	-7,596.13	7,559.25	0.00	0.00	0.00
Survey Proj. to 13225.00 MD 4543.66 TVD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,822.00	2,615.75		9-5/8	12-1/4



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
443.00	442.78	-9.14	-7.87	MWD surveys
2,822.00	2,615.75	-777.17	434.42	9 5/8" Csg @ 2822.00 MD 2615.75 TVD
5,398.00	4,612.47	-1,641.00	226.12	FTP 100 FEL @ 5398.00 MD 4612.47 TVD
13,121.00	4,543.98	-1,480.31	-7,492.23	Frac Sleeve @ 13121.00 MD 4543.98 TVD
13,126.00	4,543.97	-1,480.09	-7,497.23	Survey @ 13126.00 MD 4543.97 TVD
13,134.00	4,543.94	-1,479.74	-7,505.22	LTP 100 mid sect @ 13134 MD 4543.94 TVD
13,225.00	4,543.66	-1,475.75	-7,596.13	Survey Proj. to 13225.00 MD 4543.66 TVD

Checked By: _____ Approved By: _____ Date: _____



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 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 347 H, Surf loc: 2082 FSL 397 FEL Section 27-T22N-R07W		
Well Position	+N/-S	0.00 ft	Northing: 1,861,317.067 usft
	+E/-W	0.00 ft	Easting: 1,254,778.312 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.108414000
		Longitude:	-107.555545000
		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	49,215.26122001

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	1/13/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
443.00	2,746.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,883.00	13,126.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
13,225.00	13,225.00	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	1,861,317.067	1,254,778.312	36.108414000	-107.555545000
443.00	3.12	220.74	442.78	-9.14	-7.87	1,861,307.930	1,254,770.442	36.108388617	-107.555571221
MWD surveys									
504.00	3.87	214.24	503.67	-12.10	-10.11	1,861,304.971	1,254,768.200	36.108380405	-107.555578673
596.00	6.68	191.47	595.28	-19.91	-12.92	1,861,297.158	1,254,765.389	36.108358844	-107.555587835
686.00	9.05	184.09	684.43	-32.10	-14.47	1,861,284.965	1,254,763.843	36.108325300	-107.555592514
778.00	10.68	175.74	775.07	-47.82	-14.35	1,861,269.245	1,254,763.960	36.108282129	-107.555591402
869.00	12.00	162.03	864.31	-65.23	-10.81	1,861,251.834	1,254,767.506	36.108234440	-107.555578610
961.00	13.27	149.20	954.09	-83.40	-2.45	1,861,233.662	1,254,775.865	36.108184841	-107.555549491
1,051.00	14.81	148.58	1,041.40	-102.09	8.84	1,861,214.973	1,254,787.151	36.108133927	-107.555510442



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Dec2220_v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,141.00	17.31	150.25	1,127.88	-123.54	21.48	1,861,193.529	1,254,799.793	36.108075498	-107.555466678
1,236.00	19.60	152.62	1,217.99	-149.96	35.82	1,861,167.105	1,254,814.137	36.108003456	-107.555416931
1,330.00	20.96	150.51	1,306.17	-178.60	51.35	1,861,138.469	1,254,829.665	36.107925380	-107.555363073
1,424.00	22.06	150.16	1,393.62	-208.55	68.41	1,861,108.522	1,254,846.725	36.107843760	-107.555303970
1,519.00	24.13	148.06	1,481.00	-240.50	87.57	1,861,076.565	1,254,865.877	36.107756697	-107.555237696
1,613.00	26.72	147.88	1,565.89	-274.71	108.97	1,861,042.356	1,254,887.281	36.107663533	-107.555163696
1,708.00	29.14	148.32	1,649.82	-312.49	132.48	1,861,004.579	1,254,910.788	36.107560645	-107.555082420
1,803.00	28.83	147.70	1,732.92	-351.53	156.86	1,860,965.534	1,254,935.174	36.107454310	-107.554998107
1,897.00	28.56	148.41	1,815.38	-389.83	180.74	1,860,927.237	1,254,959.056	36.107350008	-107.554915539
1,992.00	30.94	147.79	1,897.85	-429.84	205.66	1,860,887.225	1,254,983.972	36.107241032	-107.554829389
2,086.00	31.29	147.79	1,978.32	-470.94	231.55	1,860,846.125	1,255,009.864	36.107129108	-107.554739890
2,180.00	31.73	148.06	2,058.46	-512.57	257.64	1,860,804.496	1,255,035.952	36.107015735	-107.554649702
2,275.00	30.28	147.53	2,139.89	-553.98	283.72	1,860,763.088	1,255,062.027	36.106902971	-107.554559568
2,369.00	30.28	146.03	2,221.07	-593.63	309.68	1,860,723.439	1,255,087.992	36.106795034	-107.554469888
2,463.00	30.63	146.91	2,302.10	-633.35	336.00	1,860,683.723	1,255,114.308	36.106686923	-107.554379018
2,557.00	31.42	145.95	2,382.65	-673.71	362.79	1,860,643.359	1,255,141.100	36.106577052	-107.554286503
2,651.00	29.00	145.42	2,463.88	-712.78	389.44	1,860,604.292	1,255,167.755	36.106470738	-107.554194514
2,746.00	27.03	145.24	2,547.74	-749.47	414.82	1,860,567.594	1,255,193.135	36.106370882	-107.554106948
2,822.00	26.00	144.20	2,615.75	-777.17	434.42	1,860,539.894	1,255,212.726	36.106295527	-107.554039385
9 5/8" Csg @ 2822.00 MD 2615.75 TVD									
2,883.00	25.18	143.31	2,670.76	-798.42	449.99	1,860,518.644	1,255,228.301	36.106237737	-107.553985707
2,998.00	28.12	148.41	2,773.55	-841.14	478.81	1,860,475.926	1,255,257.124	36.106121477	-107.553886214
3,092.00	28.04	147.26	2,856.48	-878.60	502.37	1,860,438.472	1,255,280.678	36.106019478	-107.553804797
3,187.00	29.84	145.15	2,939.62	-916.78	527.95	1,860,400.290	1,255,306.262	36.105915554	-107.553716472
3,282.00	29.66	144.54	3,022.10	-955.32	555.09	1,860,361.749	1,255,333.405	36.105810700	-107.553622860
3,376.00	29.18	143.66	3,103.98	-992.72	582.17	1,860,324.346	1,255,360.476	36.105708970	-107.553529537
3,470.00	28.92	143.13	3,186.15	-1,029.36	609.38	1,860,287.704	1,255,387.693	36.105609338	-107.553435761
3,565.00	27.73	142.17	3,269.78	-1,065.20	636.72	1,860,251.870	1,255,415.032	36.105511925	-107.553341606
3,660.00	26.63	146.38	3,354.29	-1,100.39	662.07	1,860,216.679	1,255,440.379	36.105416208	-107.553254222
3,754.00	28.87	147.62	3,437.48	-1,137.10	685.89	1,860,179.967	1,255,464.199	36.105316256	-107.553171937
3,848.00	28.04	147.09	3,520.12	-1,174.82	710.05	1,860,142.253	1,255,488.356	36.105213566	-107.553088466
3,943.00	30.15	147.70	3,603.13	-1,213.73	734.93	1,860,103.337	1,255,513.239	36.105107599	-107.553002484
4,037.00	28.48	146.30	3,685.09	-1,252.33	759.98	1,860,064.735	1,255,538.291	36.105002500	-107.552915947
4,132.00	28.74	147.62	3,768.49	-1,290.47	784.78	1,860,026.602	1,255,563.090	36.104898682	-107.552830285
4,226.00	24.52	145.77	3,852.50	-1,325.70	807.87	1,859,991.373	1,255,586.175	36.104802776	-107.552750555
4,320.00	26.46	147.26	3,937.35	-1,359.44	830.17	1,859,957.627	1,255,608.476	36.104710916	-107.552673549
4,351.00	26.06	146.74	3,965.15	-1,370.95	837.64	1,859,946.124	1,255,615.945	36.104679598	-107.552647747
4,382.00	25.22	148.85	3,993.10	-1,382.29	844.79	1,859,934.778	1,255,623.097	36.104648698	-107.552623029
4,414.00	24.13	161.50	4,022.19	-1,394.34	850.39	1,859,922.731	1,255,628.703	36.104615819	-107.552603509
4,446.00	24.52	174.51	4,051.37	-1,407.16	853.11	1,859,909.909	1,255,631.415	36.104580704	-107.552593747
4,477.00	26.06	187.17	4,079.42	-1,420.33	852.87	1,859,896.740	1,255,631.181	36.104544525	-107.552593944
4,508.00	28.08	197.27	4,107.04	-1,434.06	849.85	1,859,883.008	1,255,628.163	36.104506699	-107.552603535
4,540.00	30.19	205.97	4,135.00	-1,448.50	844.09	1,859,868.575	1,255,622.401	36.104466846	-107.552622383
4,572.00	32.78	212.39	4,162.30	-1,463.05	835.92	1,859,854.020	1,255,614.233	36.104426571	-107.552649365
4,604.00	35.60	218.10	4,188.77	-1,477.70	825.53	1,859,839.368	1,255,603.841	36.104385949	-107.552683872
4,635.00	37.66	222.94	4,213.65	-1,491.74	813.51	1,859,825.331	1,255,591.818	36.104346953	-107.552723926
4,667.00	39.24	227.77	4,238.72	-1,505.70	799.35	1,859,811.368	1,255,577.661	36.104308083	-107.552771209
4,698.00	40.30	231.11	4,262.55	-1,518.59	784.28	1,859,798.482	1,255,562.595	36.104272138	-107.552821612
4,729.00	41.40	234.72	4,286.00	-1,530.80	768.11	1,859,786.266	1,255,546.422	36.104237990	-107.552875797
4,761.00	41.79	238.41	4,309.93	-1,542.50	750.39	1,859,774.567	1,255,528.699	36.104205208	-107.552935249
4,792.00	42.32	241.48	4,332.95	-1,552.90	732.42	1,859,764.172	1,255,510.729	36.104175998	-107.552995595
4,824.00	43.37	245.44	4,356.42	-1,562.61	712.96	1,859,754.460	1,255,491.266	36.104148606	-107.553061024
4,855.00	44.21	248.78	4,378.80	-1,570.95	693.20	1,859,746.123	1,255,471.507	36.104124981	-107.553127520
4,887.00	45.04	251.68	4,401.58	-1,578.55	672.05	1,859,738.525	1,255,450.357	36.104103335	-107.553198758
4,918.00	46.67	254.40	4,423.17	-1,585.03	650.77	1,859,732.044	1,255,429.082	36.104084753	-107.553270468



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 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
4,950.00	49.35	255.46	4,444.58	-1,591.20	627.81	1,859,725.866	1,255,406.117	36.104066938	-107.553347910
4,981.00	50.76	255.90	4,464.48	-1,597.08	604.78	1,859,719.989	1,255,383.089	36.104049948	-107.553425579
5,013.00	54.18	257.39	4,483.97	-1,602.93	580.09	1,859,714.135	1,255,358.402	36.104032964	-107.553508867
5,045.00	57.30	258.88	4,501.99	-1,608.37	554.21	1,859,708.705	1,255,332.522	36.104017095	-107.553596208
5,076.00	59.63	259.76	4,518.20	-1,613.26	528.25	1,859,703.811	1,255,306.560	36.104002699	-107.553683855
5,108.00	60.34	259.94	4,534.21	-1,618.14	500.97	1,859,698.928	1,255,279.285	36.103988284	-107.553775943
5,139.00	61.17	260.29	4,549.35	-1,622.79	474.33	1,859,694.285	1,255,252.638	36.103974550	-107.553865916
5,171.00	65.48	262.66	4,563.71	-1,627.01	446.06	1,859,690.059	1,255,224.368	36.103961901	-107.553961404
5,202.00	70.22	264.42	4,575.40	-1,630.23	417.54	1,859,686.837	1,255,195.847	36.103952001	-107.554057785
5,234.00	74.05	265.92	4,585.21	-1,632.79	387.19	1,859,684.277	1,255,165.504	36.103943854	-107.554160361
5,265.00	75.72	266.53	4,593.30	-1,634.76	357.33	1,859,682.308	1,255,135.643	36.103937344	-107.554261335
5,296.00	78.40	266.71	4,600.24	-1,636.54	327.17	1,859,680.527	1,255,105.485	36.103931341	-107.554363320
5,328.00	81.43	267.06	4,605.84	-1,638.25	295.72	1,859,678.815	1,255,074.030	36.103925482	-107.554469701
5,359.00	84.42	267.59	4,609.66	-1,639.69	264.99	1,859,677.380	1,255,043.303	36.103920408	-107.554573628
5,391.00	86.84	268.38	4,612.10	-1,640.81	233.11	1,859,676.259	1,255,011.419	36.103916153	-107.554681488
5,398.00	87.14	268.48	4,612.47	-1,641.00	226.12	1,859,676.067	1,255,004.431	36.103915369	-107.554705129
FTP 100 FEL @ 5398.00 MD 4612.47 TVD									
5,422.00	88.15	268.82	4,613.45	-1,641.57	202.15	1,859,675.502	1,254,980.458	36.103912934	-107.554786237
5,454.00	87.98	269.26	4,614.53	-1,642.10	170.17	1,859,674.966	1,254,948.481	36.103910283	-107.554894437
5,548.00	87.36	269.17	4,618.36	-1,643.39	76.26	1,859,673.680	1,254,854.568	36.103903287	-107.555212220
5,643.00	88.95	269.96	4,621.41	-1,644.11	-18.69	1,859,672.959	1,254,759.624	36.103897807	-107.555533518
5,737.00	88.64	270.14	4,623.39	-1,644.03	-112.67	1,859,673.041	1,254,665.646	36.103894565	-107.555851586
5,832.00	90.62	271.01	4,624.00	-1,643.08	-207.65	1,859,673.994	1,254,570.658	36.103893679	-107.556173108
5,927.00	90.92	272.42	4,622.73	-1,640.23	-302.60	1,859,676.837	1,254,475.712	36.103897983	-107.556494575
6,021.00	90.62	272.95	4,621.46	-1,635.83	-396.49	1,859,681.240	1,254,381.824	36.103906610	-107.556812532
6,115.00	90.53	273.65	4,620.52	-1,630.42	-490.33	1,859,686.651	1,254,287.986	36.103918005	-107.557130368
6,228.00	90.66	271.19	4,619.35	-1,625.65	-603.21	1,859,691.422	1,254,175.102	36.103926939	-107.557512633
6,323.00	90.66	271.45	4,618.25	-1,623.46	-698.18	1,859,693.610	1,254,080.133	36.103929440	-107.557834146
6,418.00	90.66	271.01	4,617.16	-1,621.42	-793.15	1,859,695.649	1,253,985.162	36.103931532	-107.558155662
6,512.00	90.35	271.28	4,616.33	-1,619.54	-887.13	1,859,697.527	1,253,891.185	36.103933217	-107.558473807
6,606.00	90.00	270.75	4,616.04	-1,617.88	-981.11	1,859,699.192	1,253,797.201	36.103934315	-107.558791965
6,700.00	89.60	270.49	4,616.37	-1,616.86	-1,075.11	1,859,700.210	1,253,703.207	36.103933633	-107.559110125
6,795.00	89.12	270.49	4,617.43	-1,616.05	-1,170.10	1,859,701.022	1,253,608.217	36.103932351	-107.559431649
6,889.00	88.51	270.49	4,619.38	-1,615.24	-1,264.07	1,859,701.826	1,253,514.241	36.103931081	-107.559749740
6,984.00	90.75	270.75	4,619.99	-1,614.22	-1,359.06	1,859,702.854	1,253,419.255	36.103930389	-107.560071260
7,078.00	90.26	270.75	4,619.16	-1,612.99	-1,453.05	1,859,704.084	1,253,325.267	36.103930290	-107.560389411
7,173.00	89.82	271.01	4,619.09	-1,611.53	-1,548.04	1,859,705.543	1,253,230.279	36.103930780	-107.560710958
7,267.00	91.23	271.36	4,618.23	-1,609.58	-1,642.01	1,859,707.487	1,253,136.306	36.103932639	-107.561029092
7,362.00	90.75	272.33	4,616.59	-1,606.53	-1,736.94	1,859,710.545	1,253,041.371	36.103937521	-107.561350531
7,456.00	90.44	272.86	4,615.62	-1,602.27	-1,830.84	1,859,714.801	1,252,947.473	36.103945730	-107.561668516
7,551.00	91.89	271.89	4,613.68	-1,598.33	-1,925.74	1,859,718.737	1,252,852.578	36.103953023	-107.561989860
7,646.00	91.41	271.45	4,610.95	-1,595.57	-2,020.66	1,859,721.504	1,252,757.658	36.103957105	-107.562311234
7,740.00	91.23	272.07	4,608.78	-1,592.68	-2,114.59	1,859,724.390	1,252,663.727	36.103961550	-107.562629265
7,835.00	92.24	269.87	4,605.91	-1,591.07	-2,209.52	1,859,725.998	1,252,568.792	36.103962445	-107.562950640
7,929.00	91.58	269.70	4,602.77	-1,591.42	-2,303.47	1,859,725.646	1,252,474.845	36.103957991	-107.563268578
8,023.00	91.36	270.05	4,600.36	-1,591.63	-2,397.44	1,859,725.441	1,252,380.877	36.103953942	-107.563586597
8,118.00	90.83	270.31	4,598.55	-1,591.33	-2,492.42	1,859,725.739	1,252,285.895	36.103951236	-107.563908068
8,212.00	90.48	270.22	4,597.47	-1,590.90	-2,586.41	1,859,726.174	1,252,191.903	36.103948941	-107.564226198
8,307.00	90.35	269.52	4,596.78	-1,591.11	-2,681.41	1,859,725.958	1,252,096.906	36.103944821	-107.564547696
8,401.00	90.35	270.31	4,596.21	-1,591.25	-2,775.41	1,859,725.819	1,252,002.909	36.103940947	-107.564865816
8,495.00	90.22	270.31	4,595.74	-1,590.74	-2,869.40	1,859,726.327	1,251,908.912	36.103938852	-107.565183965
8,590.00	90.13	271.19	4,595.45	-1,589.50	-2,964.40	1,859,727.571	1,251,813.922	36.103938737	-107.565505508
8,685.00	90.97	272.16	4,594.54	-1,586.72	-3,059.35	1,859,730.347	1,251,718.969	36.103942834	-107.565826996
8,779.00	91.41	272.95	4,592.59	-1,582.53	-3,153.23	1,859,734.537	1,251,625.084	36.103950849	-107.566144934
8,874.00	90.88	273.04	4,590.69	-1,577.57	-3,248.08	1,859,739.499	1,251,530.233	36.103960952	-107.566466176



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 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
8,968.00	90.26	272.77	4,589.75	-1,572.81	-3,341.96	1,859,744.263	1,251,436.359	36.103970543	-107.566784102
9,062.00	90.13	273.21	4,589.43	-1,567.90	-3,435.83	1,859,749.166	1,251,342.488	36.103980517	-107.567102026
9,157.00	90.00	273.74	4,589.33	-1,562.15	-3,530.65	1,859,754.924	1,251,247.663	36.103992803	-107.567423216
9,251.00	90.79	270.75	4,588.68	-1,558.46	-3,624.57	1,859,758.606	1,251,153.749	36.103999419	-107.567741229
9,346.00	90.35	269.34	4,587.73	-1,558.39	-3,719.56	1,859,758.681	1,251,058.757	36.103996087	-107.568062726
9,440.00	90.13	269.61	4,587.34	-1,559.25	-3,813.56	1,859,757.819	1,250,964.762	36.103990221	-107.568380805
9,535.00	89.60	269.52	4,587.56	-1,559.97	-3,908.55	1,859,757.098	1,250,869.766	36.103984702	-107.568702279
9,629.00	90.70	271.89	4,587.32	-1,558.82	-4,002.54	1,859,758.255	1,250,775.781	36.103984376	-107.569020413
9,724.00	90.35	271.45	4,586.45	-1,556.05	-4,097.49	1,859,761.023	1,250,680.826	36.103988441	-107.569341908
9,819.00	90.09	272.16	4,586.08	-1,553.05	-4,192.44	1,859,764.015	1,250,585.875	36.103993120	-107.569663400
9,913.00	89.65	271.98	4,586.30	-1,549.66	-4,286.38	1,859,767.411	1,250,491.937	36.103998942	-107.569981480
10,008.00	89.43	272.07	4,587.06	-1,546.30	-4,381.32	1,859,770.767	1,250,397.000	36.104004621	-107.570302942
10,103.00	89.69	273.65	4,587.79	-1,541.56	-4,476.20	1,859,775.507	1,250,302.124	36.104014099	-107.570624258
10,197.00	90.62	272.60	4,587.53	-1,536.44	-4,570.05	1,859,780.631	1,250,208.267	36.104024670	-107.570942146
10,292.00	92.37	272.33	4,585.06	-1,532.35	-4,664.93	1,859,784.716	1,250,113.391	36.104032347	-107.571263432
10,386.00	91.76	272.60	4,581.67	-1,528.31	-4,758.78	1,859,788.756	1,250,019.540	36.104039940	-107.571581250
10,480.00	91.76	272.95	4,578.78	-1,523.77	-4,852.63	1,859,793.305	1,249,925.695	36.104048929	-107.571899070
10,575.00	91.32	272.86	4,576.23	-1,518.95	-4,947.47	1,859,798.118	1,249,830.851	36.104058605	-107.572220280
10,669.00	91.10	272.16	4,574.24	-1,514.84	-5,041.36	1,859,802.233	1,249,736.963	36.104066400	-107.572538225
10,764.00	91.01	271.80	4,572.49	-1,511.55	-5,136.29	1,859,805.515	1,249,642.036	36.104071866	-107.572859648
10,859.00	90.66	271.63	4,571.11	-1,508.71	-5,231.23	1,859,808.358	1,249,547.089	36.104076125	-107.573181118
10,953.00	90.13	271.45	4,570.46	-1,506.19	-5,325.20	1,859,810.884	1,249,453.126	36.104079551	-107.573499245
11,048.00	90.26	271.54	4,570.14	-1,503.71	-5,420.16	1,859,813.363	1,249,358.159	36.104082806	-107.573820766
11,142.00	91.14	271.28	4,568.99	-1,501.39	-5,514.13	1,859,815.675	1,249,264.196	36.104085644	-107.574138883
11,236.00	91.05	272.51	4,567.19	-1,498.29	-5,608.06	1,859,818.783	1,249,170.267	36.104090665	-107.574456922
11,331.00	92.15	269.08	4,564.54	-1,496.97	-5,702.99	1,859,820.101	1,249,075.329	36.104090733	-107.574778292
11,426.00	92.68	269.17	4,560.54	-1,498.42	-5,797.90	1,859,818.652	1,248,980.425	36.104083200	-107.575099420
11,520.00	92.37	269.43	4,556.40	-1,499.57	-5,891.80	1,859,817.505	1,248,886.523	36.104076533	-107.575417167
11,615.00	91.54	269.43	4,553.15	-1,500.51	-5,986.74	1,859,816.560	1,248,791.584	36.104070384	-107.575738436
11,709.00	91.01	269.34	4,551.06	-1,501.52	-6,080.71	1,859,815.551	1,248,697.613	36.104064093	-107.576056425
11,804.00	90.75	269.87	4,549.60	-1,502.17	-6,175.70	1,859,814.897	1,248,602.628	36.104058736	-107.576377865
11,898.00	90.66	269.34	4,548.45	-1,502.82	-6,269.69	1,859,814.249	1,248,508.637	36.104053434	-107.576695936
11,993.00	90.13	268.99	4,547.79	-1,504.21	-6,364.67	1,859,812.864	1,248,413.650	36.104046071	-107.577017347
12,087.00	89.69	268.73	4,547.94	-1,506.08	-6,458.65	1,859,810.994	1,248,319.670	36.104037411	-107.577335329
12,182.00	90.92	271.19	4,547.43	-1,506.14	-6,553.64	1,859,810.928	1,248,224.680	36.104033666	-107.577656808
12,276.00	90.66	271.36	4,546.14	-1,504.05	-6,647.61	1,859,813.019	1,248,130.713	36.104035886	-107.577974928
12,371.00	90.48	271.01	4,545.19	-1,502.09	-6,742.59	1,859,814.984	1,248,035.738	36.104037718	-107.578296451
12,465.00	89.96	271.19	4,544.83	-1,500.28	-6,836.57	1,859,816.788	1,247,941.757	36.104039146	-107.578614606
12,560.00	89.96	271.36	4,544.90	-1,498.17	-6,931.54	1,859,818.902	1,247,846.781	36.104041387	-107.578936141
12,654.00	89.52	271.63	4,545.33	-1,495.72	-7,025.51	1,859,821.354	1,247,752.814	36.104044594	-107.579254275
12,748.00	89.34	271.28	4,546.26	-1,493.33	-7,119.48	1,859,823.741	1,247,658.849	36.104047620	-107.579572400
12,842.00	90.70	271.81	4,546.23	-1,490.79	-7,213.44	1,859,826.275	1,247,564.886	36.104051051	-107.579890526
12,936.00	90.53	272.16	4,545.22	-1,487.54	-7,307.38	1,859,829.531	1,247,470.949	36.104056463	-107.580208600
13,031.00	90.40	272.16	4,544.45	-1,483.96	-7,402.31	1,859,833.112	1,247,376.019	36.104062728	-107.580530044
13,121.00	90.19	272.49	4,543.98	-1,480.31	-7,492.23	1,859,836.764	1,247,286.095	36.104069379	-107.580834554
Frac Sleeve @ 13121.00 MD 4543.98 TVD									
13,126.00	90.18	272.51	4,543.97	-1,480.09	-7,497.23	1,859,836.982	1,247,281.100	36.104069790	-107.580851469
Survey @ 13126.00 MD 4543.97 TVD									
13,134.00	90.18	272.51	4,543.94	-1,479.74	-7,505.22	1,859,837.332	1,247,273.108	36.104070452	-107.580878535
LTP 100 mid sect @ 13134 MD 4543.94 TVD									
13,225.00	90.18	272.51	4,543.66	-1,475.75	-7,596.13	1,859,841.318	1,247,182.196	36.104077978	-107.581186402
Survey Proj. to 13225.00 MD 4543.66 TVD									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well S Escavada Unit 347 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 347 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 (")
2,822.00	2,615.75		9-5/8	12-1/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
443.00	442.78	-9.14	-7.87	MWD surveys
2,822.00	2,615.75	-777.17	434.42	9 5/8" Csg @ 2822.00 MD 2615.75 TVD
5,398.00	4,612.47	-1,641.00	226.12	FTP 100 FEL @ 5398.00 MD 4612.47 TVD
13,121.00	4,543.98	-1,480.31	-7,492.23	Frac Sleeve @ 13121.00 MD 4543.98 TVD
13,126.00	4,543.97	-1,480.09	-7,497.23	Survey @ 13126.00 MD 4543.97 TVD
13,134.00	4,543.94	-1,479.74	-7,505.22	LTP 100 mid sect @ 13134 MD 4543.94 TVD
13,225.00	4,543.66	-1,475.75	-7,596.13	Survey Proj. to 13225.00 MD 4543.66 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 75103

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 75103
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 75103

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 75103
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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