

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

II. ¹⁰ Surface Location

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

UL or lot no. L	Section 22	Township 22N	Range 7W	Lot Idn	Feet from the 1625'	North/South line South	Feet from the 176'	East/West line West	County Sandoval
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 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 11/11/2021	²² Ready Date 2/20/2022	²³ TD 11697' MD 4652' TVD	²⁴ PBDT 11577' MD 4652' TVD	²⁵ Perforations ~ 5083'-11586' MD ~ 4616'-4652' TVD	²⁶ DHC, MC R-14347	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17-1/2"		13-3/8",54.5#, J-55		366' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2660' MD		670 sx- surface
8-1/2"		5-1/2",17#, P-110		11697' MD		1464 sx- surface

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 15**
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 30-043-21317	² Pool Code 52860	³ Pool Name RUSTY GALLUP OIL POOL
⁴ Property Code 322151	⁵ Property Name S ESCAVADA UNIT	⁶ Well Number 351H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6749'

¹⁰ Surface Location

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

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	22	22N	7W		1625	SOUTH	176	WEST	SANDOVAL

¹² Dedicated Acres 320.00 NE/4 NW/4, W/2 NE/4 SE/4 NE/4, NE/4 SE/4 - Section 27 W/2 SW/4, SE/4 SW/4 - Section 22	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 DIVISIONEND-OF-LATERAL (D)
1625' FSL 176' FWL
SEC 22, T22N, R7W
LAT: 36.122267°N
LONG: 107.570162°W
DATUM: NAD1927LAT: 36.122282°N
LONG: 107.570770°W
DATUM: NAD1983

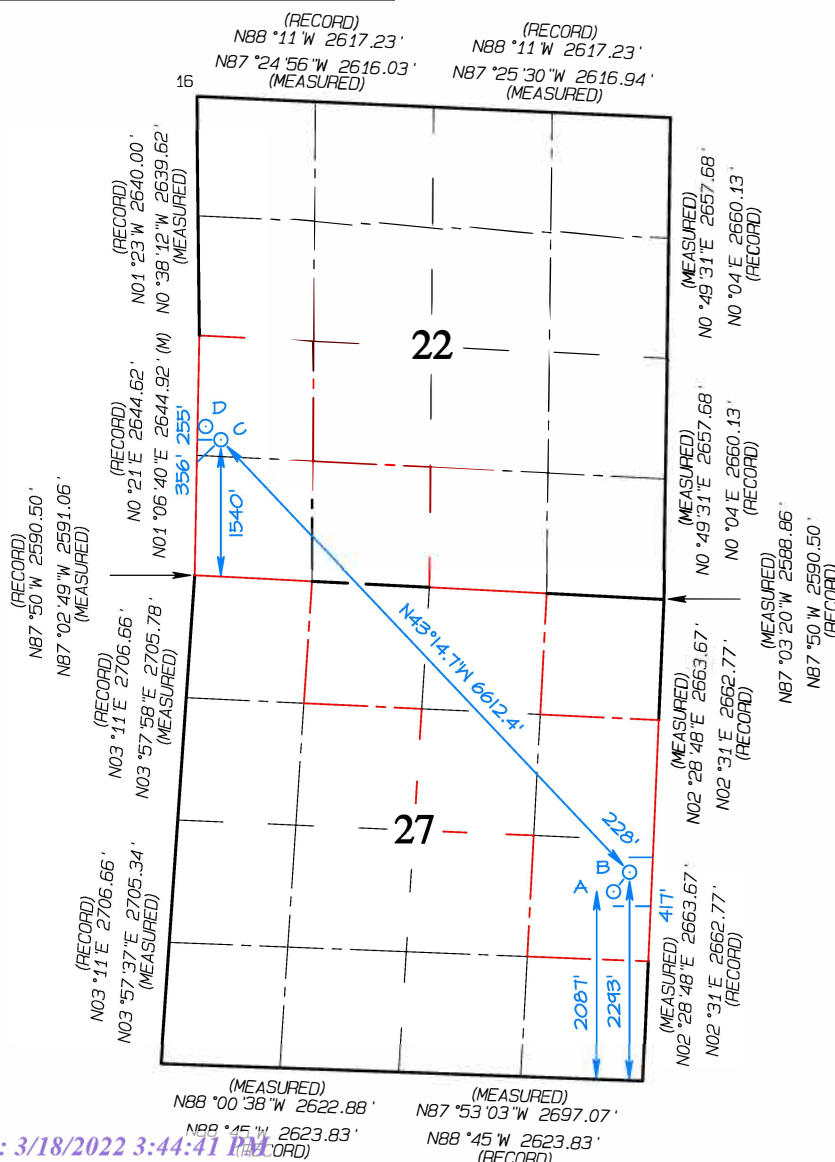
N40°54.6'W 117.0'

LAST TAKE POINT (C)
(FRAC SLEEVE)
1540' FSL 255' FWL
SEC 22, T22N, R7W
LAT: 36.122027°N
LONG: 107.569899°W
DATUM: NAD1927LAT: 36.122042°N
LONG: 107.570506°W
DATUM: NAD1983

N43°14.7'W 6612.4'

FIRST TAKE POINT (B)
2293' FSL 228' FEL
SEC 27, T22N, R7W
LAT: 36.108966°N
LONG: 107.554345°W
DATUM: NAD1927LAT: 36.108981°N
LONG: 107.554951°W
DATUM: NAD1983

N44°40.7'E 280.4'

SURFACE LOCATION (A)
2087' FSL 417' FEL
SEC 27, T22N, R7W
LAT: 36.108412°N
LONG: 107.555004°W
DATUM: NAD1927LAT: 36.108428°N
LONG: 107.555611°W
DATUM: NAD1983¹⁷ OPERATOR CERTIFICATION

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

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

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



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

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

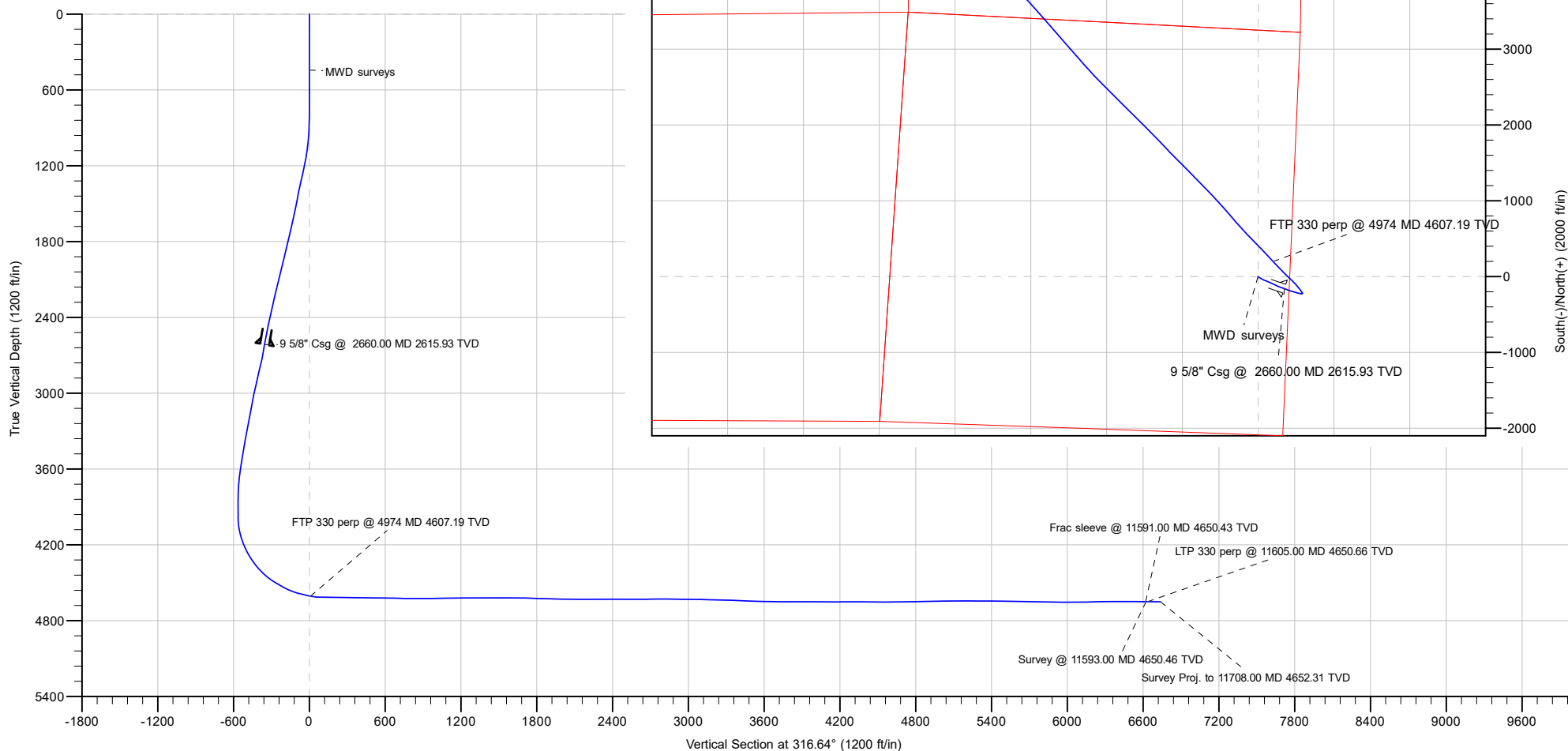
Northing: 1861322.426 Easting: 1254758.884 Latitude: 36.108428000 Longitude: -107.555611000

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



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

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



ANNOTATIONS SURVEYS

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



Survey Report



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

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

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

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

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

Design	Surveys Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	316.64	

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

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



Survey Report



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

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



Survey Report



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

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



Survey Report



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

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



Survey Report



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

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

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

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

Checked By: _____ Approved By: _____ Date: _____



Survey Report - Geographic



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

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

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

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

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

Design	Surveys Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00		316.64

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

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



Survey Report - Geographic



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

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



Survey Report - Geographic



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

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



Survey Report - Geographic



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

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

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



Survey Report - Geographic



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

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

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 76462

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 76462
	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 76462

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 76462
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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