

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 NW	
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
--------------------	---------------	-----------------	-------------	---------	------------------------	---------------------------	-----------------------	------------------------	--------------------

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 3/20/2022		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 3/20/2022	²³ TD 13215' MD 4543' TVD	²⁴ PBDT 13121' MD 4543' TVD	²⁵ Perforations ~ 5480'-13116' MD ~ 4614'-4543' 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		13215' MD		1464 sx- surface
8-1/2"		2-7/8",6.5#, L-80		5175' MD		NA

V. Well Test Data

³¹ Date New Oil 3/26/2022	³² Gas Delivery Date 3/24/2022	³³ Test Date 3/26/2022	³⁴ Test Length 24 hour	³⁵ Tbg. Pressure 289	³⁶ Csg. Pressure 1125
³⁷ Choke Size 64/64"	³⁸ Oil 260	³⁹ Water 1686	⁴⁰ Gas 233		⁴¹ Test Method F

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: <i>Kayla White</i>	OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>
Printed name: Kayla White	Title: <i>PETROLEUM SPECIALIST</i>
Title: Environmental Engineer	Approval Date: <i>3/20/2024</i>
E-mail Address: KWhite@cdhconsult.com	
Date: 8/17/2022	Phone: 720-786-3575



ENDURING RESOURCES IV LLC

April 26, 2022

Re: S ESCAVADA UNIT 347H-30-043-21349

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

Sincerely,

A handwritten signature in blue ink, appearing to read "Heather Huntington".

Heather Huntington
Permitting Technician
Enduring Resources, LLC.
hhuntington@enduringresources.com

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

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

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

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

AS-DRILLED 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 OGRID No. 372286		⁸ Operator Name ENDURING RESOURCES, LLC			⁹ Elevation 6749 '

¹⁰ Surface Location

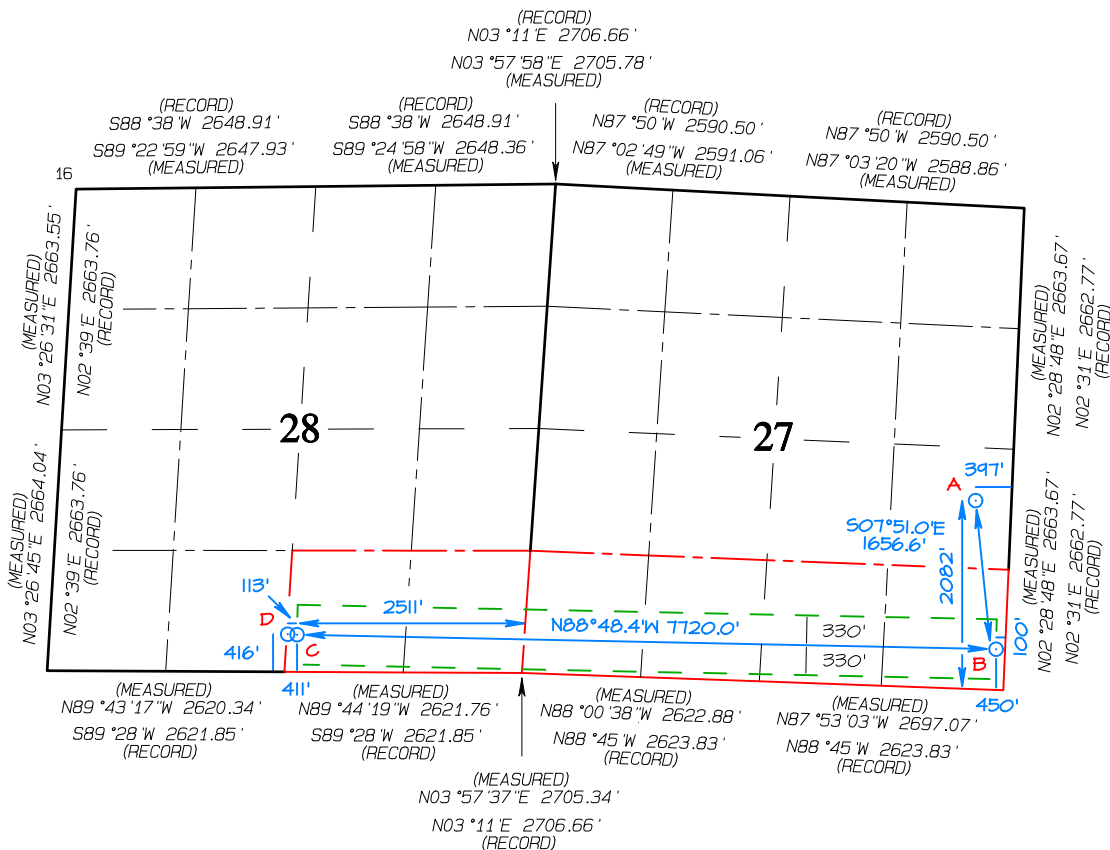
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	27	22N	7W		2082	SOUTH	397	EAST	SANDOVAL

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
---	---	-------------------------------	----------------------------------	------------------------------------

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



17 OPERATOR CERTIFICATION

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

 6/10/22

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: JUNE 9, 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

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: 36.104078° N
LONG: 107.581186° W

LAT: 36.104069° N
LONG: 107.580835° W

Released to Imaging: 3/20/2004 15:58:24 PM

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
---	--

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

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

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

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

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

AS-DRILLED 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	
⁷ OGRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁶ Well Number 347H ⁹ Elevation 6749'

¹⁰ Surface Location

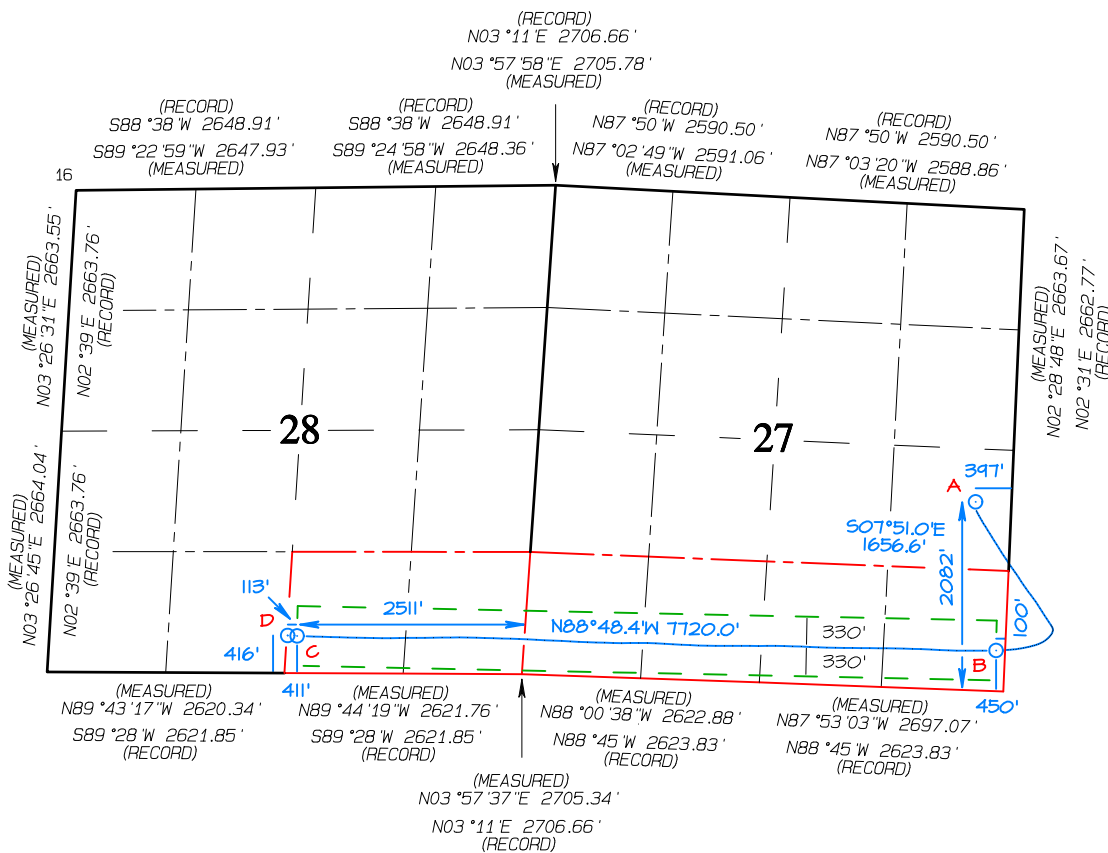
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	27	22N	7W		2082	SOUTH	397	EAST	SANDOVAL

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	S/2 SE/4 - Section 28 240.00 S/2 S/2 - Section 27	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14347
-------------------------------	--	-------------------------------	----------------------------------	------------------------------------

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or 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 6/10/22
 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: JUNE 9, 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

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

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

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

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

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

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

AS-DRILLED 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

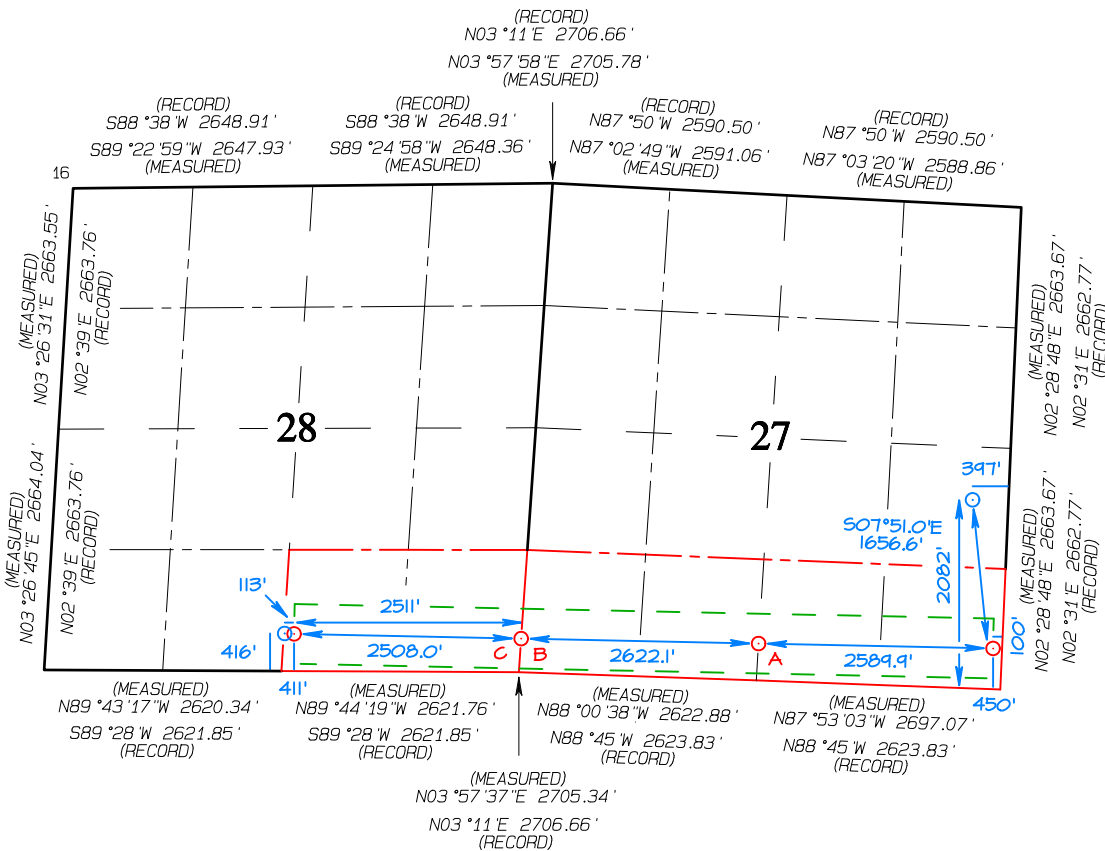
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	27	22N	7W		2082	SOUTH	397	EAST	SANDOVAL

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
---	---	-------------------------------	----------------------------------	------------------------------------

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



17 OPERATOR CERTIFICATION

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

Signature Heather Huntington Date 6/10/22
 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: JUNE 9, 2022
Date of Survey: MAY 1, 2017

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

(C) 371' FSL 0' FEL
SEC 28, T22N, R7W
LAT: 36.104004°N
LONG: 107.571739°W
DATUM: NAD1927

(B) 371' FSL 0' FWL
SEC 27, T22N, R7W
LAT: 36.104004 °N
LONG: 107.571739 °W
DATUM: NAD1927

(A) 408' FSL 2619' FWI
SEC 27, T22N, R7W
LAT: 36.103952°N
LONG: 107.562864°W
DATUM: NAD1927

LAT: 36.104020 °N
LONG: 107.572346 °W
DATUM: NAD4983
Imaging: 3/20/2023

LAT: 36.104020 °N
LONG: 107.572346 °W
DATUM: NAD1983

LAT: 36.103968 °N
LONG: 107.563471 °W
DATUM: NAD1983



Well: S Escavada Unit 347 H
Site: S Escavada Unit
Project: Sandoval County, New Mexico NAD83 NM C
Design: rev2
Rig:

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
Surface location:

Northing 1861317.067 Easting 1254778.312 Latitude 36.108414000 Longitude -107.555545000

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

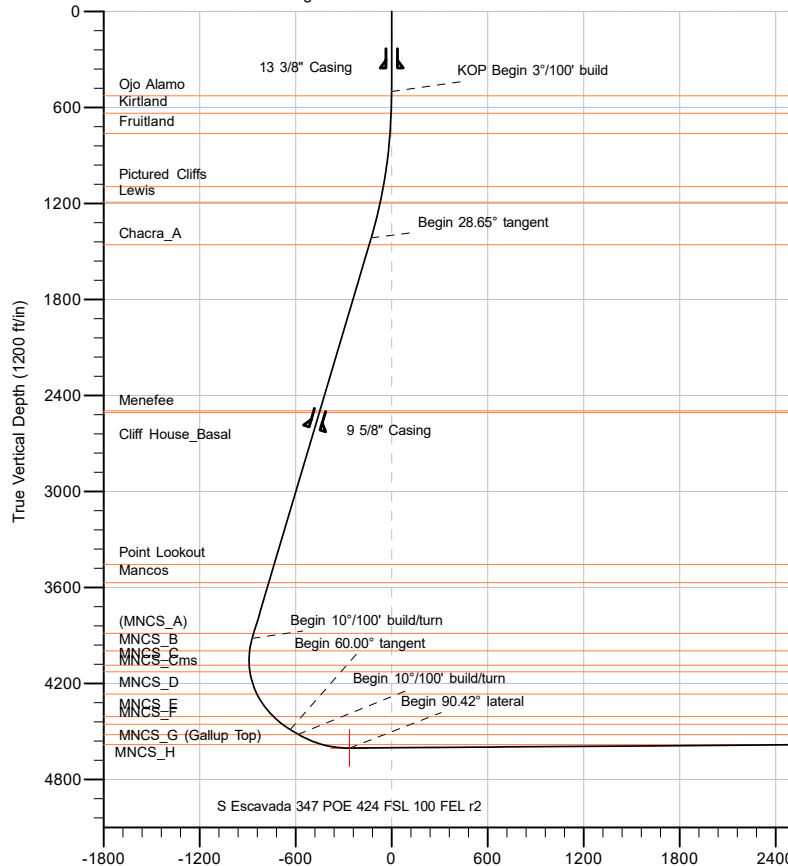
G T M
Azimuths to Grid North
True North: 0.77°
Magnetic North: 9.43°

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



CASING DETAILS

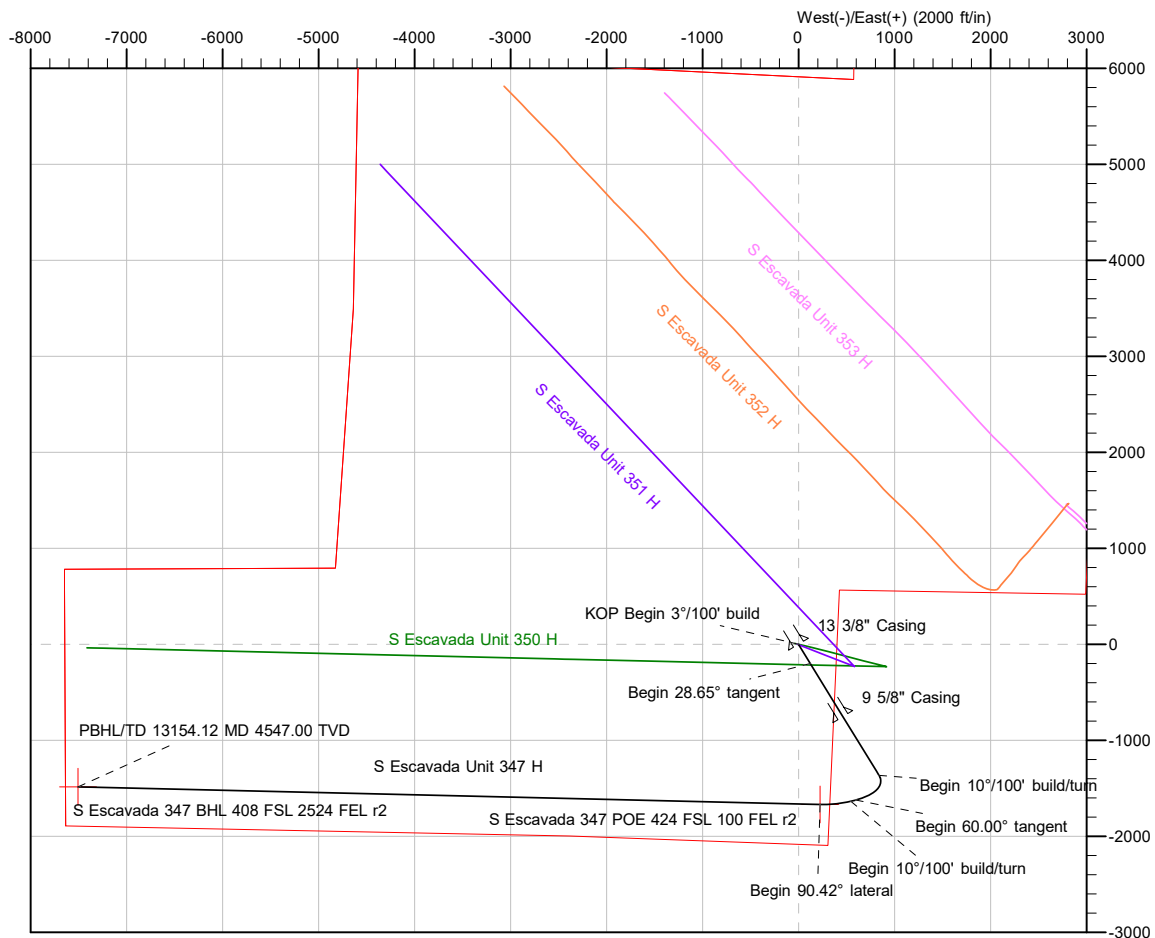
TVD	MD	Name
353.00	353.00	13 3/8" Casing
2607.00	2812.53	9 5/8" Casing



Vertical Section at 271.35° (1200 ft/in)

Section Details										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.000	0.00	KOP Begin 3"/100' build
3	1455.05	28.65	148.40	1415.74	-199.19	122.53	3.00	148.402	-127.19	Begin 28.65° tangent
4	4306.73	28.65	148.40	3918.24	-1363.80	838.94	0.00	0.000	-870.84	Begin 10"/100' build/turn
5	5023.35	60.00	255.80	4488.14	-1620.64	595.54	10.00	119.469	-633.56	Begin 60.00° tangent
6	5083.35	60.00	255.80	4518.14	-1633.39	545.17	0.00	0.000	-583.50	Begin 10"/100' build/turn
7	5421.75	90.42	271.35	4604.00	-1666.30	224.60	10.00	28.785	-263.79	Begin 90.42° lateral
8	13154.12	90.42	271.35	4547.00	-1483.54	-7505.41	0.00	0.000	7468.37	PBHL/TD 13154.12 MD 4547.00 TVD

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
S Escavada 347 BHL 408 FSL 2524 FEL r2	4547.00	-1483.54	-7505.41	1859833.530	1247272.918	36.104060000	-107.580879000
S Escavada 347 POE 424 FSL 100 FEL r2	4604.00	-1666.24	224.64	1859650.830	1255002.948	36.103846000	-107.554709000



PBHL/TD 13154.12 MD 4547.00 TVD
S Escavada 347 BHL 408 FSL 2524 FEL r2



Planning Report

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

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 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	Latitude:	36.108414000
	+E/-W	0.00 ft	Easting:	1,254,778.312 usft	Longitude:	-107.555545000
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	49,215.26122001

Design	rev2				
Audit Notes:					
Version:		Phase:	PLAN	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	

Plan Survey Tool Program	Date	12/9/2021			
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	13,154.13	rev2 (Original Hole)	MWD	
				OWSG MWD - Standard	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,455.05	28.65	148.40	1,415.74	-199.19	122.53	3.00	3.00	0.00	148.402	
4,306.73	28.65	148.40	3,918.24	-1,363.80	838.94	0.00	0.00	0.00	0.000	
5,023.35	60.00	255.80	4,488.14	-1,620.64	595.54	10.00	4.37	14.99	119.469	
5,083.35	60.00	255.80	4,518.14	-1,633.39	545.17	0.00	0.00	0.00	0.000	
5,421.75	90.42	271.35	4,604.00	-1,666.30	224.60	10.00	8.99	4.60	28.785	
13,154.13	90.42	271.35	4,547.00	-1,483.54	-7,505.41	0.00	0.00	0.00	0.000	S Escavada 347 BHL



Planning Report

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Planned 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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 3°/100' build									
527.00	0.81	148.40	527.00	-0.16	0.10	-0.10	3.00	3.00	0.00
Ojo Alamo									
600.00	3.00	148.40	599.95	-2.23	1.37	-1.42	3.00	3.00	0.00
637.12	4.11	148.40	637.00	-4.19	2.58	-2.68	3.00	3.00	0.00
Kirtland									
700.00	6.00	148.40	699.63	-8.91	5.48	-5.69	3.00	3.00	0.00
762.83	7.88	148.40	762.00	-15.38	9.46	-9.82	3.00	3.00	0.00
Fruitland									
800.00	9.00	148.40	798.77	-20.03	12.32	-12.79	3.00	3.00	0.00
900.00	12.00	148.40	897.08	-35.55	21.87	-22.70	3.00	3.00	0.00
1,000.00	15.00	148.40	994.31	-55.43	34.10	-35.39	3.00	3.00	0.00
1,100.00	18.00	148.40	1,090.18	-79.62	48.98	-50.84	3.00	3.00	0.00
1,105.07	18.15	148.40	1,095.00	-80.96	49.80	-51.69	3.00	3.00	0.00
Pictured Cliffs									
1,200.00	21.00	148.40	1,184.43	-108.05	66.46	-68.99	3.00	3.00	0.00
1,208.11	21.24	148.40	1,192.00	-110.54	68.00	-70.58	3.00	3.00	0.00
Lewis									
1,300.00	24.00	148.40	1,276.81	-140.64	86.51	-89.80	3.00	3.00	0.00
1,400.00	27.00	148.40	1,367.06	-177.30	109.07	-113.21	3.00	3.00	0.00
1,455.05	28.65	148.40	1,415.74	-199.19	122.53	-127.19	3.00	3.00	0.00
Begin 28.65° tangent									
1,500.00	28.65	148.40	1,455.19	-217.55	133.82	-138.91	0.00	0.00	0.00
1,504.35	28.65	148.40	1,459.00	-219.32	134.91	-140.04	0.00	0.00	0.00
Chacra_A									
1,600.00	28.65	148.40	1,542.94	-258.38	158.95	-164.99	0.00	0.00	0.00
1,700.00	28.65	148.40	1,630.70	-299.22	184.07	-191.07	0.00	0.00	0.00
1,800.00	28.65	148.40	1,718.45	-340.06	209.19	-217.14	0.00	0.00	0.00
1,900.00	28.65	148.40	1,806.21	-380.90	234.31	-243.22	0.00	0.00	0.00
2,000.00	28.65	148.40	1,893.96	-421.74	259.44	-269.30	0.00	0.00	0.00
2,100.00	28.65	148.40	1,981.72	-462.58	284.56	-295.38	0.00	0.00	0.00
2,200.00	28.65	148.40	2,069.47	-503.42	309.68	-321.45	0.00	0.00	0.00
2,300.00	28.65	148.40	2,157.23	-544.26	334.80	-347.53	0.00	0.00	0.00
2,400.00	28.65	148.40	2,244.98	-585.10	359.92	-373.61	0.00	0.00	0.00
2,500.00	28.65	148.40	2,332.74	-625.94	385.05	-399.69	0.00	0.00	0.00
2,600.00	28.65	148.40	2,420.50	-666.78	410.17	-425.77	0.00	0.00	0.00
2,687.18	28.65	148.40	2,497.00	-702.38	432.07	-448.50	0.00	0.00	0.00
Cliff House_Basal									
2,698.57	28.65	148.40	2,507.00	-707.04	434.93	-451.47	0.00	0.00	0.00
Menefee									
2,700.00	28.65	148.40	2,508.25	-707.62	435.29	-451.84	0.00	0.00	0.00
2,800.00	28.65	148.40	2,596.01	-748.46	460.41	-477.92	0.00	0.00	0.00
2,900.00	28.65	148.40	2,683.76	-789.30	485.54	-504.00	0.00	0.00	0.00
3,000.00	28.65	148.40	2,771.52	-830.14	510.66	-530.08	0.00	0.00	0.00
3,100.00	28.65	148.40	2,859.27	-870.98	535.78	-556.15	0.00	0.00	0.00
3,200.00	28.65	148.40	2,947.03	-911.82	560.90	-582.23	0.00	0.00	0.00
3,300.00	28.65	148.40	3,034.78	-952.66	586.03	-608.31	0.00	0.00	0.00



Planning Report

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Planned 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)	
3,400.00	28.65	148.40	3,122.54	-993.50	611.15	-634.39	0.00	0.00	0.00	
3,500.00	28.65	148.40	3,210.29	-1,034.34	636.27	-660.46	0.00	0.00	0.00	
3,600.00	28.65	148.40	3,298.05	-1,075.18	661.39	-686.54	0.00	0.00	0.00	
3,700.00	28.65	148.40	3,385.80	-1,116.02	686.52	-712.62	0.00	0.00	0.00	
3,781.13	28.65	148.40	3,457.00	-1,149.15	706.90	-733.78	0.00	0.00	0.00	
Point Lookout										
3,800.00	28.65	148.40	3,473.56	-1,156.85	711.64	-738.70	0.00	0.00	0.00	
3,900.00	28.65	148.40	3,561.31	-1,197.69	736.76	-764.77	0.00	0.00	0.00	
3,909.90	28.65	148.40	3,570.00	-1,201.74	739.25	-767.36	0.00	0.00	0.00	
Mancos										
4,000.00	28.65	148.40	3,649.07	-1,238.53	761.88	-790.85	0.00	0.00	0.00	
4,100.00	28.65	148.40	3,736.83	-1,279.37	787.01	-816.93	0.00	0.00	0.00	
4,200.00	28.65	148.40	3,824.58	-1,320.21	812.13	-843.01	0.00	0.00	0.00	
4,271.13	28.65	148.40	3,887.00	-1,349.26	830.00	-861.56	0.00	0.00	0.00	
(MNCS_A)										
4,306.73	28.65	148.40	3,918.24	-1,363.80	838.94	-870.84	0.00	0.00	0.00	
Begin 10°/100' build/turn										
4,350.00	26.77	156.79	3,956.56	-1,381.60	848.22	-880.54	10.00	-4.36	19.38	
4,395.00	25.40	166.55	3,997.00	-1,400.31	854.46	-887.22	10.00	-3.04	21.69	
MNCS_B										
4,400.00	25.29	167.69	4,001.52	-1,402.39	854.94	-887.74	10.00	-2.21	22.79	
4,450.00	24.68	179.46	4,046.87	-1,423.28	857.32	-890.61	10.00	-1.21	23.54	
4,494.19	24.93	189.99	4,087.00	-1,441.69	855.79	-889.52	10.00	0.56	23.82	
MNCS_C										
4,500.00	25.02	191.35	4,092.26	-1,444.10	855.33	-889.12	10.00	1.50	23.42	
4,538.46	25.90	200.07	4,127.00	-1,459.97	850.85	-885.01	10.00	2.28	22.67	
MNCS_Cms										
4,550.00	26.26	202.56	4,137.37	-1,464.69	849.01	-883.28	10.00	3.13	21.61	
4,600.00	28.28	212.56	4,181.83	-1,484.90	838.38	-873.13	10.00	4.05	19.99	
4,650.00	30.94	221.14	4,225.32	-1,504.58	823.54	-858.76	10.00	5.31	17.18	
4,699.40	34.03	228.32	4,267.00	-1,523.35	804.85	-840.51	10.00	6.27	14.53	
MNCS_D										
4,700.00	34.07	228.40	4,267.50	-1,523.57	804.60	-840.27	10.00	6.67	13.31	
4,750.00	37.57	234.52	4,308.04	-1,541.73	781.70	-817.80	10.00	6.99	12.23	
4,800.00	41.34	239.70	4,346.65	-1,558.92	755.01	-791.53	10.00	7.53	10.37	
4,850.00	45.30	244.14	4,383.03	-1,575.01	724.74	-761.65	10.00	7.93	8.89	
4,884.97	48.17	246.90	4,407.00	-1,585.55	701.57	-738.73	10.00	8.19	7.88	
MNCS_E										
4,900.00	49.42	248.01	4,416.90	-1,589.88	691.13	-728.39	10.00	8.32	7.38	
4,950.00	53.65	251.42	4,448.01	-1,603.42	654.41	-692.01	10.00	8.46	6.82	
4,961.94	54.67	252.18	4,455.00	-1,606.44	645.22	-682.88	10.00	8.57	6.35	
MNCS_F										
5,000.00	57.96	254.47	4,476.11	-1,615.51	614.89	-652.78	10.00	8.65	6.03	
5,023.35	60.00	255.80	4,488.14	-1,620.64	595.54	-633.56	10.00	8.73	5.69	
Begin 60.00° tangent										
5,083.35	60.00	255.80	4,518.14	-1,633.39	545.17	-583.50	0.00	0.00	0.00	
Begin 10°/100' build/turn										
5,087.09	60.33	256.01	4,520.00	-1,634.18	542.02	-580.38	10.00	8.77	5.54	
MNCS_G (Gallup Top)										
5,100.00	61.46	256.71	4,526.28	-1,636.84	531.06	-569.48	10.00	8.79	5.46	
5,150.00	65.89	259.31	4,548.45	-1,646.13	487.24	-525.89	10.00	8.85	5.20	
5,200.00	70.35	261.73	4,567.08	-1,653.75	441.49	-480.33	10.00	8.93	4.85	



Planning Report

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Planned 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)
5,249.89	74.84	264.02	4,582.00	-1,659.64	394.26	-433.25	10.00	8.99	4.58
MNCS_H									
5,250.00	74.85	264.02	4,582.03	-1,659.65	394.16	-433.15	10.00	9.02	4.48
5,300.00	79.37	266.22	4,593.18	-1,663.78	345.61	-384.71	10.00	9.04	4.39
5,350.00	83.90	268.35	4,600.45	-1,666.12	296.21	-335.38	10.00	9.07	4.26
5,400.00	88.45	270.45	4,603.79	-1,666.64	246.34	-285.54	10.00	9.08	4.19
5,421.75	90.42	271.35	4,604.00	-1,666.30	224.60	-263.79	10.00	9.09	4.17
Begin 90.42° lateral									
5,500.00	90.42	271.35	4,603.43	-1,664.45	146.37	-185.54	0.00	0.00	0.00
5,600.00	90.42	271.35	4,602.69	-1,662.08	46.40	-85.55	0.00	0.00	0.00
5,700.00	90.42	271.35	4,601.95	-1,659.72	-53.57	14.45	0.00	0.00	0.00
5,800.00	90.42	271.35	4,601.21	-1,657.36	-153.54	114.45	0.00	0.00	0.00
5,900.00	90.42	271.35	4,600.48	-1,654.99	-253.51	214.45	0.00	0.00	0.00
6,000.00	90.42	271.35	4,599.74	-1,652.63	-353.48	314.44	0.00	0.00	0.00
6,100.00	90.42	271.35	4,599.00	-1,650.27	-453.45	414.44	0.00	0.00	0.00
6,200.00	90.42	271.35	4,598.27	-1,647.90	-553.42	514.44	0.00	0.00	0.00
6,300.00	90.42	271.35	4,597.53	-1,645.54	-653.38	614.43	0.00	0.00	0.00
6,400.00	90.42	271.35	4,596.79	-1,643.18	-753.35	714.43	0.00	0.00	0.00
6,500.00	90.42	271.35	4,596.05	-1,640.81	-853.32	814.43	0.00	0.00	0.00
6,600.00	90.42	271.35	4,595.32	-1,638.45	-953.29	914.43	0.00	0.00	0.00
6,700.00	90.42	271.35	4,594.58	-1,636.09	-1,053.26	1,014.42	0.00	0.00	0.00
6,800.00	90.42	271.35	4,593.84	-1,633.72	-1,153.23	1,114.42	0.00	0.00	0.00
6,900.00	90.42	271.35	4,593.10	-1,631.36	-1,253.20	1,214.42	0.00	0.00	0.00
7,000.00	90.42	271.35	4,592.37	-1,629.00	-1,353.17	1,314.42	0.00	0.00	0.00
7,100.00	90.42	271.35	4,591.63	-1,626.63	-1,453.14	1,414.41	0.00	0.00	0.00
7,200.00	90.42	271.35	4,590.89	-1,624.27	-1,553.11	1,514.41	0.00	0.00	0.00
7,300.00	90.42	271.35	4,590.16	-1,621.90	-1,653.08	1,614.41	0.00	0.00	0.00
7,400.00	90.42	271.35	4,589.42	-1,619.54	-1,753.05	1,714.40	0.00	0.00	0.00
7,500.00	90.42	271.35	4,588.68	-1,617.18	-1,853.02	1,814.40	0.00	0.00	0.00
7,600.00	90.42	271.35	4,587.94	-1,614.81	-1,952.99	1,914.40	0.00	0.00	0.00
7,700.00	90.42	271.35	4,587.21	-1,612.45	-2,052.96	2,014.40	0.00	0.00	0.00
7,800.00	90.42	271.35	4,586.47	-1,610.09	-2,152.92	2,114.39	0.00	0.00	0.00
7,900.00	90.42	271.35	4,585.73	-1,607.72	-2,252.89	2,214.39	0.00	0.00	0.00
8,000.00	90.42	271.35	4,585.00	-1,605.36	-2,352.86	2,314.39	0.00	0.00	0.00
8,100.00	90.42	271.35	4,584.26	-1,603.00	-2,452.83	2,414.39	0.00	0.00	0.00
8,200.00	90.42	271.35	4,583.52	-1,600.63	-2,552.80	2,514.38	0.00	0.00	0.00
8,300.00	90.42	271.35	4,582.78	-1,598.27	-2,652.77	2,614.38	0.00	0.00	0.00
8,400.00	90.42	271.35	4,582.05	-1,595.91	-2,752.74	2,714.38	0.00	0.00	0.00
8,500.00	90.42	271.35	4,581.31	-1,593.54	-2,852.71	2,814.37	0.00	0.00	0.00
8,600.00	90.42	271.35	4,580.57	-1,591.18	-2,952.68	2,914.37	0.00	0.00	0.00
8,700.00	90.42	271.35	4,579.84	-1,588.82	-3,052.65	3,014.37	0.00	0.00	0.00
8,800.00	90.42	271.35	4,579.10	-1,586.45	-3,152.62	3,114.37	0.00	0.00	0.00
8,900.00	90.42	271.35	4,578.36	-1,584.09	-3,252.59	3,214.36	0.00	0.00	0.00
9,000.00	90.42	271.35	4,577.62	-1,581.72	-3,352.56	3,314.36	0.00	0.00	0.00
9,100.00	90.42	271.35	4,576.89	-1,579.36	-3,452.53	3,414.36	0.00	0.00	0.00
9,200.00	90.42	271.35	4,576.15	-1,577.00	-3,552.50	3,514.36	0.00	0.00	0.00
9,300.00	90.42	271.35	4,575.41	-1,574.63	-3,652.46	3,614.35	0.00	0.00	0.00
9,400.00	90.42	271.35	4,574.68	-1,572.27	-3,752.43	3,714.35	0.00	0.00	0.00
9,500.00	90.42	271.35	4,573.94	-1,569.91	-3,852.40	3,814.35	0.00	0.00	0.00
9,600.00	90.42	271.35	4,573.20	-1,567.54	-3,952.37	3,914.34	0.00	0.00	0.00
9,700.00	90.42	271.35	4,572.46	-1,565.18	-4,052.34	4,014.34	0.00	0.00	0.00
9,800.00	90.42	271.35	4,571.73	-1,562.82	-4,152.31	4,114.34	0.00	0.00	0.00
9,900.00	90.42	271.35	4,570.99	-1,560.45	-4,252.28	4,214.34	0.00	0.00	0.00
10,000.00	90.42	271.35	4,570.25	-1,558.09	-4,352.25	4,314.33	0.00	0.00	0.00



Planning Report

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Planned 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)
10,100.00	90.42	271.35	4,569.51	-1,555.73	-4,452.22	4,414.33	0.00	0.00	0.00
10,200.00	90.42	271.35	4,568.78	-1,553.36	-4,552.19	4,514.33	0.00	0.00	0.00
10,300.00	90.42	271.35	4,568.04	-1,551.00	-4,652.16	4,614.33	0.00	0.00	0.00
10,400.00	90.42	271.35	4,567.30	-1,548.64	-4,752.13	4,714.32	0.00	0.00	0.00
10,500.00	90.42	271.35	4,566.57	-1,546.27	-4,852.10	4,814.32	0.00	0.00	0.00
10,600.00	90.42	271.35	4,565.83	-1,543.91	-4,952.07	4,914.32	0.00	0.00	0.00
10,700.00	90.42	271.35	4,565.09	-1,541.54	-5,052.04	5,014.31	0.00	0.00	0.00
10,800.00	90.42	271.35	4,564.35	-1,539.18	-5,152.01	5,114.31	0.00	0.00	0.00
10,900.00	90.42	271.35	4,563.62	-1,536.82	-5,251.97	5,214.31	0.00	0.00	0.00
11,000.00	90.42	271.35	4,562.88	-1,534.45	-5,351.94	5,314.31	0.00	0.00	0.00
11,100.00	90.42	271.35	4,562.14	-1,532.09	-5,451.91	5,414.30	0.00	0.00	0.00
11,200.00	90.42	271.35	4,561.41	-1,529.73	-5,551.88	5,514.30	0.00	0.00	0.00
11,300.00	90.42	271.35	4,560.67	-1,527.36	-5,651.85	5,614.30	0.00	0.00	0.00
11,400.00	90.42	271.35	4,559.93	-1,525.00	-5,751.82	5,714.30	0.00	0.00	0.00
11,500.00	90.42	271.35	4,559.19	-1,522.64	-5,851.79	5,814.29	0.00	0.00	0.00
11,600.00	90.42	271.35	4,558.46	-1,520.27	-5,951.76	5,914.29	0.00	0.00	0.00
11,700.00	90.42	271.35	4,557.72	-1,517.91	-6,051.73	6,014.29	0.00	0.00	0.00
11,800.00	90.42	271.35	4,556.98	-1,515.55	-6,151.70	6,114.29	0.00	0.00	0.00
11,900.00	90.42	271.35	4,556.25	-1,513.18	-6,251.67	6,214.28	0.00	0.00	0.00
12,000.00	90.42	271.35	4,555.51	-1,510.82	-6,351.64	6,314.28	0.00	0.00	0.00
12,100.00	90.42	271.35	4,554.77	-1,508.46	-6,451.61	6,414.28	0.00	0.00	0.00
12,200.00	90.42	271.35	4,554.03	-1,506.09	-6,551.58	6,514.27	0.00	0.00	0.00
12,300.00	90.42	271.35	4,553.30	-1,503.73	-6,651.55	6,614.27	0.00	0.00	0.00
12,400.00	90.42	271.35	4,552.56	-1,501.36	-6,751.51	6,714.27	0.00	0.00	0.00
12,500.00	90.42	271.35	4,551.82	-1,499.00	-6,851.48	6,814.27	0.00	0.00	0.00
12,600.00	90.42	271.35	4,551.09	-1,496.64	-6,951.45	6,914.26	0.00	0.00	0.00
12,700.00	90.42	271.35	4,550.35	-1,494.27	-7,051.42	7,014.26	0.00	0.00	0.00
12,800.00	90.42	271.35	4,549.61	-1,491.91	-7,151.39	7,114.26	0.00	0.00	0.00
12,900.00	90.42	271.35	4,548.87	-1,489.55	-7,251.36	7,214.26	0.00	0.00	0.00
13,000.00	90.42	271.35	4,548.14	-1,487.18	-7,351.33	7,314.25	0.00	0.00	0.00
13,100.00	90.42	271.35	4,547.40	-1,484.82	-7,451.30	7,414.25	0.00	0.00	0.00
13,154.13	90.42	271.35	4,547.00	-1,483.54	-7,505.41	7,468.37	0.00	0.00	0.00
PBHL/TD 13154.12 MD 4547.00 TVD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
S Escavada 347 BHL 40	0.00	360.00	4,547.00	-1,483.54	-7,505.41	1,859,833.529	1,247,272.918	36.104060000	-107.580879000
- plan hits target center									
- Point									
S Escavada 347 POE 42	0.00	0.00	4,604.00	-1,666.24	224.64	1,859,650.830	1,255,002.949	36.103846000	-107.554709000
- plan misses target center by 0.06ft at 5421.71ft MD (4604.00 TVD, -1666.30 N, 224.64 E)									
- Point									



Planning Report

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
353.00	353.00	13 3/8" Casing	13-5/8	17-1/2	
2,812.53	2,607.00	9 5/8" Casing	9-5/8	12-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
527.00	527.00	Ojo Alamo				
637.12	637.00	Kirtland				
762.83	762.00	Fruitland				
1,105.07	1,095.00	Pictured Cliffs				
1,208.11	1,192.00	Lewis				
1,504.35	1,459.00	Chacra_A				
2,687.18	2,497.00	Cliff House_Basal				
2,698.57	2,507.00	Menefee				
3,781.13	3,457.00	Point Lookout				
3,909.90	3,570.00	Mancos				
4,271.13	3,887.00	(MNCS_A)				
4,395.00	3,997.00	MNCS_B				
4,494.19	4,087.00	MNCS_C				
4,538.46	4,127.00	MNCS_Cms				
4,699.40	4,267.00	MNCS_D				
4,884.97	4,407.00	MNCS_E				
4,961.94	4,455.00	MNCS_F				
5,087.09	4,520.00	MNCS_G (Gallup Top)				
5,249.89	4,582.00	MNCS_H				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
500.00	500.00	0.00	0.00	KOP Begin 3°/100' build	
1,455.05	1,415.74	-199.19	122.53	Begin 28.65° tangent	
4,306.73	3,918.24	-1,363.80	838.94	Begin 10°/100' build/turn	
5,023.35	4,488.14	-1,620.64	595.54	Begin 60.00° tangent	
5,083.35	4,518.14	-1,633.39	545.17	Begin 10°/100' build/turn	
5,421.75	4,604.00	-1,666.30	224.60	Begin 90.42° lateral	
13,154.13	4,547.00	-1,483.54	-7,505.41	PBHL/TD 13154.12 MD 4547.00 TVD	



Planning Report - Geographic

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

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 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	Latitude:	36.108414000
	+E/-W	0.00 ft	Easting:	1,254,778.312 usft	Longitude:	-107.555545000
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,749.00 ft
Grid Convergence:						

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	rev2			
Audit Notes:				
Version:	Phase:	PLAN	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

Plan Survey Tool Program	Date			
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	13,154.13 rev2 (Original Hole)		

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,455.05	28.65	148.40	1,415.74	-199.19	122.53	3.00	3.00	0.00	148.402	
4,306.73	28.65	148.40	3,918.24	-1,363.80	838.94	0.00	0.00	0.00	0.000	
5,023.35	60.00	255.80	4,488.14	-1,620.64	595.54	10.00	4.37	14.99	119.469	
5,083.35	60.00	255.80	4,518.14	-1,633.39	545.17	0.00	0.00	0.00	0.000	
5,421.75	90.42	271.35	4,604.00	-1,666.30	224.60	10.00	8.99	4.60	28.785	
13,154.13	90.42	271.35	4,547.00	-1,483.54	-7,505.41	0.00	0.00	0.00	0.000	S Escavada 347 BHL



Planning Report - Geographic

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Planned 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
100.00	0.00	0.00	100.00	0.00	0.00	1,861,317.067	1,254,778.312	36.108414000	-107.555545000
200.00	0.00	0.00	200.00	0.00	0.00	1,861,317.067	1,254,778.312	36.108414000	-107.555545000
300.00	0.00	0.00	300.00	0.00	0.00	1,861,317.067	1,254,778.312	36.108414000	-107.555545000
400.00	0.00	0.00	400.00	0.00	0.00	1,861,317.067	1,254,778.312	36.108414000	-107.555545000
500.00	0.00	0.00	500.00	0.00	0.00	1,861,317.067	1,254,778.312	36.108414000	-107.555545000
KOP Begin 3°/100' build									
527.00	0.81	148.40	527.00	-0.16	0.10	1,861,316.904	1,254,778.412	36.108413557	-107.555544654
Ojo Alamo									
600.00	3.00	148.40	599.95	-2.23	1.37	1,861,314.838	1,254,779.683	36.108407928	-107.555540257
637.12	4.11	148.40	637.00	-4.19	2.58	1,861,312.876	1,254,780.890	36.108402586	-107.555536084
Kirtland									
700.00	6.00	148.40	699.63	-8.91	5.48	1,861,308.156	1,254,783.794	36.108389728	-107.555526041
762.83	7.88	148.40	762.00	-15.38	9.46	1,861,301.687	1,254,787.773	36.108372110	-107.555512280
Fruitland									
800.00	9.00	148.40	798.77	-20.03	12.32	1,861,297.039	1,254,790.632	36.108359449	-107.555502391
900.00	12.00	148.40	897.08	-35.55	21.87	1,861,281.519	1,254,800.179	36.108317176	-107.555469372
1,000.00	15.00	148.40	994.31	-55.43	34.10	1,861,261.638	1,254,812.409	36.108263024	-107.555427075
1,100.00	18.00	148.40	1,090.18	-79.62	48.98	1,861,237.450	1,254,827.288	36.108197140	-107.555375614
1,105.07	18.15	148.40	1,095.00	-80.96	49.80	1,861,236.110	1,254,828.113	36.108193490	-107.555372763
Pictured Cliffs									
1,200.00	21.00	148.40	1,184.43	-108.05	66.46	1,861,209.021	1,254,844.776	36.108119707	-107.555315133
1,208.11	21.24	148.40	1,192.00	-110.54	68.00	1,861,206.531	1,254,846.308	36.108112925	-107.555309835
Lewis									
1,300.00	24.00	148.40	1,276.81	-140.64	86.51	1,861,176.430	1,254,864.825	36.108030935	-107.555245795
1,400.00	27.00	148.40	1,367.06	-177.30	109.07	1,861,139.766	1,254,887.379	36.107931069	-107.555167792
1,455.05	28.65	148.40	1,415.74	-199.19	122.53	1,861,117.881	1,254,900.841	36.107871459	-107.555121233
Begin 28.65° tangent									
1,500.00	28.65	148.40	1,455.19	-217.55	133.82	1,861,099.522	1,254,912.135	36.107821454	-107.555082175
1,504.35	28.65	148.40	1,459.00	-219.32	134.91	1,861,097.748	1,254,913.226	36.107816621	-107.555078400
Chacra_A									
1,600.00	28.65	148.40	1,542.94	-258.38	158.95	1,861,058.683	1,254,937.257	36.107710216	-107.554995291
1,700.00	28.65	148.40	1,630.70	-299.22	184.07	1,861,017.843	1,254,962.379	36.107598977	-107.554908406
1,800.00	28.65	148.40	1,718.45	-340.06	209.19	1,860,977.004	1,254,987.502	36.107487739	-107.554821522
1,900.00	28.65	148.40	1,806.21	-380.90	234.31	1,860,936.164	1,255,012.624	36.107376500	-107.554734638
2,000.00	28.65	148.40	1,893.96	-421.74	259.44	1,860,895.325	1,255,037.747	36.107265262	-107.554647754
2,100.00	28.65	148.40	1,981.72	-462.58	284.56	1,860,854.485	1,255,062.869	36.107154023	-107.554560870
2,200.00	28.65	148.40	2,069.47	-503.42	309.68	1,860,813.646	1,255,087.991	36.107042784	-107.554473987
2,300.00	28.65	148.40	2,157.23	-544.26	334.80	1,860,772.807	1,255,113.114	36.106931546	-107.554387104
2,400.00	28.65	148.40	2,244.98	-585.10	359.92	1,860,731.967	1,255,138.236	36.106820307	-107.554300221
2,500.00	28.65	148.40	2,332.74	-625.94	385.05	1,860,691.128	1,255,163.359	36.106709068	-107.554213338
2,600.00	28.65	148.40	2,420.50	-666.78	410.17	1,860,650.288	1,255,188.481	36.106597829	-107.554126456
2,687.18	28.65	148.40	2,497.00	-702.38	432.07	1,860,614.685	1,255,210.383	36.106500851	-107.554050713
Cliff House_Basal									
2,698.57	28.65	148.40	2,507.00	-707.04	434.93	1,860,610.031	1,255,213.245	36.106488175	-107.554040812
Menefee									
2,700.00	28.65	148.40	2,508.25	-707.62	435.29	1,860,609.449	1,255,213.603	36.106486590	-107.554039574
2,800.00	28.65	148.40	2,596.01	-748.46	460.41	1,860,568.609	1,255,238.726	36.106375351	-107.553952692
2,900.00	28.65	148.40	2,683.76	-789.30	485.54	1,860,527.770	1,255,263.848	36.106264111	-107.553865811
3,000.00	28.65	148.40	2,771.52	-830.14	510.66	1,860,486.930	1,255,288.971	36.106152872	-107.553778929
3,100.00	28.65	148.40	2,859.27	-870.98	535.78	1,860,446.091	1,255,314.093	36.106041633	-107.553692048
3,200.00	28.65	148.40	2,947.03	-911.82	560.90	1,860,405.251	1,255,339.215	36.105930393	-107.553605167
3,300.00	28.65	148.40	3,034.78	-952.66	586.03	1,860,364.412	1,255,364.338	36.105819154	-107.553518287



Planning Report - Geographic

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Planned Survey										
Measured			Vertical			Map		Map		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting			
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude	
3,400.00	28.65	148.40	3,122.54	-993.50	611.15	1,860,323.573	1,255,389.460	36.105707914	-107.553431406	
3,500.00	28.65	148.40	3,210.29	-1,034.34	636.27	1,860,282.733	1,255,414.582	36.105596675	-107.553344526	
3,600.00	28.65	148.40	3,298.05	-1,075.18	661.39	1,860,241.894	1,255,439.705	36.105485435	-107.553257646	
3,700.00	28.65	148.40	3,385.80	-1,116.02	686.52	1,860,201.054	1,255,464.827	36.105374195	-107.553170767	
3,781.13	28.65	148.40	3,457.00	-1,149.15	706.90	1,860,167.921	1,255,485.209	36.105283946	-107.553100281	
Point Lookout										
3,800.00	28.65	148.40	3,473.56	-1,156.85	711.64	1,860,160.215	1,255,489.950	36.105262955	-107.553083887	
3,900.00	28.65	148.40	3,561.31	-1,197.69	736.76	1,860,119.375	1,255,515.072	36.105151715	-107.552997008	
3,909.90	28.65	148.40	3,570.00	-1,201.74	739.25	1,860,115.333	1,255,517.559	36.105140705	-107.552988410	
Mancos										
4,000.00	28.65	148.40	3,649.07	-1,238.53	761.88	1,860,078.536	1,255,540.194	36.105040475	-107.552910130	
4,100.00	28.65	148.40	3,736.83	-1,279.37	787.01	1,860,037.696	1,255,565.317	36.104929235	-107.552823251	
4,200.00	28.65	148.40	3,824.58	-1,320.21	812.13	1,859,996.857	1,255,590.439	36.104817995	-107.552736373	
4,271.13	28.65	148.40	3,887.00	-1,349.26	830.00	1,859,967.808	1,255,608.309	36.104738871	-107.552674577	
(MNCS_A)										
4,306.73	28.65	148.40	3,918.24	-1,363.80	838.94	1,859,953.269	1,255,617.252	36.104699269	-107.552643648	
Begin 10°/100' build/turn										
4,350.00	26.77	156.79	3,956.56	-1,381.60	848.22	1,859,935.470	1,255,626.532	36.104650726	-107.552611434	
4,395.00	25.40	166.55	3,997.00	-1,400.31	854.46	1,859,916.761	1,255,632.773	36.104599572	-107.552589462	
MNCS_B										
4,400.00	25.29	167.69	4,001.52	-1,402.39	854.94	1,859,914.676	1,255,633.250	36.104593863	-107.552587753	
4,450.00	24.68	179.46	4,046.87	-1,423.28	857.32	1,859,893.790	1,255,635.627	36.104536587	-107.552578763	
4,494.19	24.93	189.99	4,087.00	-1,441.69	855.79	1,859,875.381	1,255,634.097	36.104485970	-107.552583105	
MNCS_C										
4,500.00	25.02	191.35	4,092.26	-1,444.10	855.33	1,859,872.971	1,255,633.643	36.104479335	-107.552584532	
4,538.46	25.90	200.07	4,127.00	-1,459.97	850.85	1,859,857.103	1,255,629.160	36.104435589	-107.552598986	
MNCS_Cms										
4,550.00	26.26	202.56	4,137.37	-1,464.69	849.01	1,859,852.378	1,255,627.315	36.104422543	-107.552605015	
4,600.00	28.28	212.56	4,181.83	-1,484.90	838.38	1,859,832.166	1,255,616.691	36.104366641	-107.552640056	
4,650.00	30.94	221.14	4,225.32	-1,504.58	823.54	1,859,812.491	1,255,601.851	36.104312057	-107.552689389	
4,699.40	34.03	228.32	4,267.00	-1,523.35	804.85	1,859,793.724	1,255,583.158	36.104259826	-107.552751802	
MNCS_D										
4,700.00	34.07	228.40	4,267.50	-1,523.57	804.60	1,859,793.501	1,255,582.908	36.104259205	-107.552752639	
4,750.00	37.57	234.52	4,308.04	-1,541.73	781.70	1,859,775.342	1,255,560.007	36.104208488	-107.552829324	
4,800.00	41.34	239.70	4,346.65	-1,558.92	755.01	1,859,758.151	1,255,533.321	36.104160292	-107.552918860	
4,850.00	45.30	244.14	4,383.03	-1,575.01	724.74	1,859,742.059	1,255,503.054	36.104114982	-107.553020565	
4,884.97	48.17	246.90	4,407.00	-1,585.55	701.57	1,859,731.524	1,255,479.881	36.104085195	-107.553098517	
MNCS_E										
4,900.00	49.42	248.01	4,416.90	-1,589.88	691.13	1,859,727.189	1,255,469.437	36.104072905	-107.553133667	
4,950.00	53.65	251.42	4,448.01	-1,603.42	654.41	1,859,713.655	1,255,432.725	36.104034380	-107.553257304	
4,961.94	54.67	252.18	4,455.00	-1,606.44	645.22	1,859,710.630	1,255,423.527	36.104025736	-107.553288295	
MNCS_F										
5,000.00	57.96	254.47	4,476.11	-1,615.51	614.89	1,859,701.558	1,255,393.197	36.103999700	-107.553390535	
5,023.35	60.00	255.80	4,488.14	-1,620.64	595.54	1,859,696.427	1,255,373.855	36.103984896	-107.553455764	
Begin 60.00° tangent										
5,083.35	60.00	255.80	4,518.14	-1,633.39	545.17	1,859,683.680	1,255,323.481	36.103948033	-107.553625672	
Begin 10°/100' build/turn										
5,087.09	60.33	256.01	4,520.00	-1,634.18	542.02	1,859,682.890	1,255,320.336	36.103945748	-107.553636282	
MNCS_G (Gallup Top)										
5,100.00	61.46	256.71	4,526.28	-1,636.84	531.06	1,859,680.231	1,255,309.375	36.103938040	-107.553673257	
5,150.00	65.89	259.31	4,548.45	-1,646.13	487.24	1,859,670.945	1,255,265.550	36.103910921	-107.553821158	
5,200.00	70.35	261.73	4,567.08	-1,653.75	441.49	1,859,663.322	1,255,219.798	36.103888301	-107.553975655	



Planning Report - Geographic

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,249.89	74.84	264.02	4,582.00	-1,659.64	394.26	1,859,657.432	1,255,172.573	36.103870384	-107.554135219
MNCS_H									
5,250.00	74.85	264.02	4,582.03	-1,659.65	394.16	1,859,657.421	1,255,172.468	36.103870350	-107.554135572
5,300.00	79.37	266.22	4,593.18	-1,663.78	345.61	1,859,653.287	1,255,123.920	36.103857207	-107.554299693
5,350.00	83.90	268.35	4,600.45	-1,666.12	296.21	1,859,650.951	1,255,074.523	36.103848970	-107.554466768
5,400.00	88.45	270.45	4,603.79	-1,666.64	246.34	1,859,650.430	1,255,024.653	36.103845704	-107.554635525
5,421.75	90.42	271.35	4,604.00	-1,666.30	224.60	1,859,650.772	1,255,002.910	36.103845841	-107.554709129
Begin 90.42° lateral									
5,500.00	90.42	271.35	4,603.43	-1,664.45	146.37	1,859,652.622	1,254,924.682	36.103848037	-107.554973968
5,600.00	90.42	271.35	4,602.69	-1,662.08	46.40	1,859,654.985	1,254,824.713	36.103850843	-107.555312414
5,700.00	90.42	271.35	4,601.95	-1,659.72	-53.57	1,859,657.349	1,254,724.744	36.103853647	-107.555650860
5,800.00	90.42	271.35	4,601.21	-1,657.36	-153.54	1,859,659.712	1,254,624.775	36.103856450	-107.555989305
5,900.00	90.42	271.35	4,600.48	-1,654.99	-253.51	1,859,662.076	1,254,524.806	36.103859253	-107.556327751
6,000.00	90.42	271.35	4,599.74	-1,652.63	-353.48	1,859,664.439	1,254,424.836	36.103862055	-107.556666197
6,100.00	90.42	271.35	4,599.00	-1,650.27	-453.45	1,859,666.803	1,254,324.867	36.103864855	-107.557004642
6,200.00	90.42	271.35	4,598.27	-1,647.90	-553.42	1,859,669.167	1,254,224.898	36.103867655	-107.557343088
6,300.00	90.42	271.35	4,597.53	-1,645.54	-653.38	1,859,671.530	1,254,124.929	36.103870454	-107.557681533
6,400.00	90.42	271.35	4,596.79	-1,643.18	-753.35	1,859,673.894	1,254,024.960	36.103873251	-107.558019979
6,500.00	90.42	271.35	4,596.05	-1,640.81	-853.32	1,859,676.257	1,253,924.991	36.103876048	-107.558358424
6,600.00	90.42	271.35	4,595.32	-1,638.45	-953.29	1,859,678.621	1,253,825.022	36.103878844	-107.558696870
6,700.00	90.42	271.35	4,594.58	-1,636.09	-1,053.26	1,859,680.984	1,253,725.052	36.103881639	-107.559035316
6,800.00	90.42	271.35	4,593.84	-1,633.72	-1,153.23	1,859,683.348	1,253,625.083	36.103884433	-107.559373761
6,900.00	90.42	271.35	4,593.10	-1,631.36	-1,253.20	1,859,685.711	1,253,525.114	36.103887226	-107.559712207
7,000.00	90.42	271.35	4,592.37	-1,629.00	-1,353.17	1,859,688.075	1,253,425.145	36.103890018	-107.560050652
7,100.00	90.42	271.35	4,591.63	-1,626.63	-1,453.14	1,859,690.438	1,253,325.176	36.103892809	-107.560389098
7,200.00	90.42	271.35	4,590.89	-1,624.27	-1,553.11	1,859,692.802	1,253,225.207	36.103895599	-107.560727543
7,300.00	90.42	271.35	4,590.16	-1,621.90	-1,653.08	1,859,695.165	1,253,125.238	36.103898388	-107.561065989
7,400.00	90.42	271.35	4,589.42	-1,619.54	-1,753.05	1,859,697.529	1,253,025.268	36.103901176	-107.561404434
7,500.00	90.42	271.35	4,588.68	-1,617.18	-1,853.02	1,859,699.892	1,252,925.299	36.103903963	-107.561742880
7,600.00	90.42	271.35	4,587.94	-1,614.81	-1,952.99	1,859,702.256	1,252,825.330	36.103906750	-107.562081325
7,700.00	90.42	271.35	4,587.21	-1,612.45	-2,052.96	1,859,704.620	1,252,725.361	36.103909535	-107.562419771
7,800.00	90.42	271.35	4,586.47	-1,610.09	-2,152.92	1,859,706.983	1,252,625.391	36.103912319	-107.562758216
7,900.00	90.42	271.35	4,585.73	-1,607.72	-2,252.89	1,859,709.347	1,252,525.422	36.103915103	-107.563096662
8,000.00	90.42	271.35	4,585.00	-1,605.36	-2,352.86	1,859,711.710	1,252,425.453	36.103917885	-107.563435107
8,100.00	90.42	271.35	4,584.26	-1,603.00	-2,452.83	1,859,714.074	1,252,325.483	36.103920667	-107.563773553
8,200.00	90.42	271.35	4,583.52	-1,600.63	-2,552.80	1,859,716.437	1,252,225.514	36.103923447	-107.564111998
8,300.00	90.42	271.35	4,582.78	-1,598.27	-2,652.77	1,859,718.801	1,252,125.545	36.103926227	-107.564450444
8,400.00	90.42	271.35	4,582.05	-1,595.91	-2,752.74	1,859,721.164	1,252,025.576	36.103929005	-107.564788889
8,500.00	90.42	271.35	4,581.31	-1,593.54	-2,852.71	1,859,723.528	1,251,925.607	36.103931783	-107.565127334
8,600.00	90.42	271.35	4,580.57	-1,591.18	-2,952.68	1,859,725.891	1,251,825.638	36.103934560	-107.565465780
8,700.00	90.42	271.35	4,579.84	-1,588.82	-3,052.65	1,859,728.255	1,251,725.669	36.103937335	-107.565804225
8,800.00	90.42	271.35	4,579.10	-1,586.45	-3,152.62	1,859,730.618	1,251,625.699	36.103940110	-107.566142671
8,900.00	90.42	271.35	4,578.36	-1,584.09	-3,252.59	1,859,732.982	1,251,525.730	36.103942884	-107.566481116
9,000.00	90.42	271.35	4,577.62	-1,581.72	-3,352.56	1,859,735.345	1,251,425.761	36.103945657	-107.566819562
9,100.00	90.42	271.35	4,576.89	-1,579.36	-3,452.53	1,859,737.709	1,251,325.792	36.103948429	-107.567158007
9,200.00	90.42	271.35	4,576.15	-1,577.00	-3,552.50	1,859,740.072	1,251,225.823	36.103951200	-107.567496452
9,300.00	90.42	271.35	4,575.41	-1,574.63	-3,652.46	1,859,742.436	1,251,125.854	36.103953970	-107.567834898
9,400.00	90.42	271.35	4,574.68	-1,572.27	-3,752.43	1,859,744.800	1,251,025.885	36.103956739	-107.568173343
9,500.00	90.42	271.35	4,573.94	-1,569.91	-3,852.40	1,859,747.163	1,250,925.915	36.103959507	-107.568511789
9,600.00	90.42	271.35	4,573.20	-1,567.54	-3,952.37	1,859,749.527	1,250,825.946	36.103962274	-107.568850234
9,700.00	90.42	271.35	4,572.46	-1,565.18	-4,052.34	1,859,751.890	1,250,725.977	36.103965040	-107.569188679
9,800.00	90.42	271.35	4,571.73	-1,562.82	-4,152.31	1,859,754.254	1,250,626.008	36.103967806	-107.569527125
9,900.00	90.42	271.35	4,570.99	-1,560.45	-4,252.28	1,859,756.617	1,250,526.039	36.103970570	-107.569865570
10,000.00	90.42	271.35	4,570.25	-1,558.09	-4,352.25	1,859,758.981	1,250,426.070	36.103973333	-107.570204015



Planning Report - Geographic

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
10,100.00	90.42	271.35	4,569.51	-1,555.73	-4,452.22	1,859,761.344	1,250,326.101	36.103976095	-107.570542461	
10,200.00	90.42	271.35	4,568.78	-1,553.36	-4,552.19	1,859,763.708	1,250,226.131	36.103978857	-107.570880906	
10,300.00	90.42	271.35	4,568.04	-1,551.00	-4,652.16	1,859,766.071	1,250,126.162	36.103981617	-107.571219351	
10,400.00	90.42	271.35	4,567.30	-1,548.64	-4,752.13	1,859,768.435	1,250,026.193	36.103984377	-107.571557797	
10,500.00	90.42	271.35	4,566.57	-1,546.27	-4,852.10	1,859,770.798	1,249,926.224	36.103987135	-107.571896242	
10,600.00	90.42	271.35	4,565.83	-1,543.91	-4,952.07	1,859,773.162	1,249,826.255	36.103989893	-107.572234687	
10,700.00	90.42	271.35	4,565.09	-1,541.54	-5,052.04	1,859,775.525	1,249,726.286	36.103992649	-107.572573133	
10,800.00	90.42	271.35	4,564.35	-1,539.18	-5,152.01	1,859,777.889	1,249,626.317	36.103995405	-107.572911578	
10,900.00	90.42	271.35	4,563.62	-1,536.82	-5,251.97	1,859,780.253	1,249,526.347	36.103998160	-107.573250023	
11,000.00	90.42	271.35	4,562.88	-1,534.45	-5,351.94	1,859,782.616	1,249,426.378	36.104000913	-107.573588468	
11,100.00	90.42	271.35	4,562.14	-1,532.09	-5,451.91	1,859,784.980	1,249,326.409	36.104003666	-107.573926914	
11,200.00	90.42	271.35	4,561.41	-1,529.73	-5,551.88	1,859,787.343	1,249,226.440	36.104006418	-107.574265359	
11,300.00	90.42	271.35	4,560.67	-1,527.36	-5,651.85	1,859,789.707	1,249,126.471	36.104009169	-107.574603804	
11,400.00	90.42	271.35	4,559.93	-1,525.00	-5,751.82	1,859,792.070	1,249,026.502	36.104011919	-107.574942250	
11,500.00	90.42	271.35	4,559.19	-1,522.64	-5,851.79	1,859,794.434	1,248,926.533	36.104014668	-107.575280695	
11,600.00	90.42	271.35	4,558.46	-1,520.27	-5,951.76	1,859,796.797	1,248,826.563	36.104017416	-107.575619140	
11,700.00	90.42	271.35	4,557.72	-1,517.91	-6,051.73	1,859,799.161	1,248,726.594	36.104020163	-107.575957585	
11,800.00	90.42	271.35	4,556.98	-1,515.55	-6,151.70	1,859,801.524	1,248,626.625	36.104022909	-107.576296030	
11,900.00	90.42	271.35	4,556.25	-1,513.18	-6,251.67	1,859,803.888	1,248,526.656	36.104025654	-107.576634476	
12,000.00	90.42	271.35	4,555.51	-1,510.82	-6,351.64	1,859,806.251	1,248,426.687	36.104028398	-107.576972921	
12,100.00	90.42	271.35	4,554.77	-1,508.46	-6,451.61	1,859,808.615	1,248,326.718	36.104031141	-107.577311366	
12,200.00	90.42	271.35	4,554.03	-1,506.09	-6,551.58	1,859,810.978	1,248,226.749	36.104033884	-107.577649810	
12,300.00	90.42	271.35	4,553.30	-1,503.73	-6,651.55	1,859,813.342	1,248,126.779	36.104036625	-107.577988256	
12,400.00	90.42	271.35	4,552.56	-1,501.36	-6,751.51	1,859,815.705	1,248,026.810	36.104039365	-107.578326701	
12,500.00	90.42	271.35	4,551.82	-1,499.00	-6,851.48	1,859,818.069	1,247,926.841	36.104042105	-107.578665146	
12,600.00	90.42	271.35	4,551.09	-1,496.64	-6,951.45	1,859,820.433	1,247,826.872	36.104044843	-107.579003591	
12,700.00	90.42	271.35	4,550.35	-1,494.27	-7,051.42	1,859,822.796	1,247,726.903	36.104047581	-107.579342036	
12,800.00	90.42	271.35	4,549.61	-1,491.91	-7,151.39	1,859,825.160	1,247,626.934	36.104050317	-107.579680481	
12,900.00	90.42	271.35	4,548.87	-1,489.55	-7,251.36	1,859,827.523	1,247,526.965	36.104053053	-107.580018927	
13,000.00	90.42	271.35	4,548.14	-1,487.18	-7,351.33	1,859,829.887	1,247,426.995	36.104055787	-107.580357372	
13,100.00	90.42	271.35	4,547.40	-1,484.82	-7,451.30	1,859,832.250	1,247,327.026	36.104058521	-107.580695817	
13,154.13	90.42	271.35	4,547.00	-1,483.54	-7,505.41	1,859,833.529	1,247,272.918	36.104060000	-107.580879000	
PBHL/TD 13154.12 MD 4547.00 TVD										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
S Escavada 347 BHL 40 - hit/miss target - Shape	0.00	360.00	4,547.00	-1,483.54	-7,505.41	1,859,833.529	1,247,272.918	36.104060000	-107.580879000	
S Escavada 347 POE 42 - plan hits target center by 0.06ft at 5421.71ft MD (4604.00 TVD, -1666.30 N, 224.64 E) - Point	0.00	0.00	4,604.00	-1,666.24	224.64	1,859,650.830	1,255,002.949	36.103846000	-107.554709000	



Planning Report - Geographic

Database:	DB_Dec2220_v16	Local Co-ordinate Reference:	Well S Escavada Unit 347 H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6749+28 @ 6777.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	MD Reference:	RKB=6749+28 @ 6777.00ft
Site:	S Escavada Unit	North Reference:	Grid
Well:	S Escavada Unit 347 H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev2		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
353.00	353.00	13 3/8" Casing	13-5/8	17-1/2	
2,812.53	2,607.00	9 5/8" Casing	9-5/8	12-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
527.00	527.00	Ojo Alamo				
637.12	637.00	Kirtland				
762.83	762.00	Fruitland				
1,105.07	1,095.00	Pictured Cliffs				
1,208.11	1,192.00	Lewis				
1,504.35	1,459.00	Chacra_A				
2,687.18	2,497.00	Cliff House_Basal				
2,698.57	2,507.00	Menefee				
3,781.13	3,457.00	Point Lookout				
3,909.90	3,570.00	Mancos				
4,271.13	3,887.00	(MNCS_A)				
4,395.00	3,997.00	MNCS_B				
4,494.19	4,087.00	MNCS_C				
4,538.46	4,127.00	MNCS_Cms				
4,699.40	4,267.00	MNCS_D				
4,884.97	4,407.00	MNCS_E				
4,961.94	4,455.00	MNCS_F				
5,087.09	4,520.00	MNCS_G (Gallup Top)				
5,249.89	4,582.00	MNCS_H				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
500.00	500.00	0.00	0.00	KOP Begin 3°/100' build	
1,455.05	1,415.74	-199.19	122.53	Begin 28.65° tangent	
4,306.73	3,918.24	-1,363.80	838.94	Begin 10°/100' build/turn	
5,023.35	4,488.14	-1,620.64	595.54	Begin 60.00° tangent	
5,083.35	4,518.14	-1,633.39	545.17	Begin 10°/100' build/turn	
5,421.75	4,604.00	-1,666.30	224.60	Begin 90.42° lateral	
13,154.13	4,547.00	-1,483.54	-7,505.41	PBHL/TD 13154.12 MD 4547.00 TVD	

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.5. Lease Serial No.
N0-G-1312-1826

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other7. If Unit of CA/Agreement, Name and/or No.
NMNM130812A8. Well Name and No.
S Escavada Unit 347H

2. Name of Operator

Enduring Resources IV LLC9. API Well No.
30-043-21349

3a. Address

200 Energy Court Farmington NM 87401

3b. Phone No. (include area code)

505-636-974310. Field and Pool or Exploratory Area
Rusty Gallup

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 2082' FSL & 397' FEL, Sec 27 T22N, R7W**BHL: 408' FSL & 2524' FEL, Sec 28 T22N, R7W**11. Country or Parish, State
Sandoval, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other COMPLETIONS
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

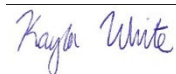
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

1/17/22 through 1/19/22- Pre frac site set up, MIRU, Pressure test**1/19/22 through 1/30/22-** 24 hour frac operations. 32 total stages, total holes 896. 5480-13116' MD. Perfed w 0.42" holes with SFT-NE45B, FRP-48H, CSA-2400, Bardac 2250M, SCI-611W, SOUR-N8R & 11,854,622 lbs total proppant.**2/26/2022 through 3/3/2022 -** Drill out Ops**3/19/2022 -** Land Tubing

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Kayla White

Title: Environmental Engineer



Date: 8/17/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-
0137

Expires: January 31, 2018

5. Lease Serial No.

N0-G-1312-1826

1a. Type of Well ☒ Oil Well ☐ Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing
☐ Other: _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM130812A

2. Name of Operator

Enduring Resources IV LLC

8. Lease Name and Well No.

S Escavada Unit 347H

3. Address

200 Energy Court Farmington NM 87402

3a. Phone No. (Include area code)

505-636-9743

9. API Well No.

30-043-21349

4. Location of Well (Report location clearly and in accordance with Federal requirements) *

At surface

SHL: 2082' FSL & 397' FEL, Sec 27 T22N, R7W

BHL: 408' FSL & 2524' FEL, Sec 28 T22N, R7W

10. Field and Pool or Exploratory
Rusty Gallup

11. Sec., T., R., M., on Block and
Survey or Area
Sec 27 T22N R7W

12. County or Parish
Sandoval

13. State
NM

At top prod. interval reported below At total depth

14. Date Spudded

10/26/2021

15. Date T.D. Reached

1/13/2022

16. Date Completed 3/20/2022

☐ D & A

☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

6777' KB

18. Total Depth: **13215' MD**
4543' TVD

19. Plug Back T.D.: **13121' MD**
4543' TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey? ☐ No ☒ Yes (Submit copy)

Form 3160-4

(June 2015)

UNITED STATES

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8", J-55	54.5	0	384' MD		350	86.6	surface	
12-1/4"	9-5/8", J-55	36	0	2822' MD		684	242	surface	
8-1/2"	5-1/2", P-110	17	0	13215' MD		1464	625	surface	

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8", 6.5#, L-80	5175'	5108'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Gallup	4517' TVD	4642' TVD	5480' - 13116' MD	.42	896	

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
5480' - 13116' MD	32 total stages, total holes 896. Perfed w 0.42" holes with SFT-NE45B, FRP-48H, CSA-2400, Bardac 2250M, SCI-611W, SOUR-N8R & 11,854,622 lbs total proppant.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
3/24/2022	3/26/2022	24 hr	➔	260	233	1686			Flowing
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64"	289	1125	➔					Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, fl and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
OJAM	527				
KRLD	637				
FRLD	762				
PCCF	1,095				
CLFH	2,497				
MENF	2,507				
PNLK	3,436				
MNCS	3,562				
Gallup	4,517				

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions) *

Name (please print) Kayla WhiteTitle Environmental EngineerSignature Kayla WhiteDate: 8/17/2022

WELL NAME: S ESCAVADA UNIT 347H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-H formation

API Number: 30-043-21349

AFE Number: DV03062

ER Well Number: NM08262.01

State: New Mexico

County: Sandoval

Surface Elev.: 6,749 ft ASL (GL) 6,777 ft ASL (KB)

Surface Location: 27-22N-07W Sec-Twn- Rng 2,082 ft FSL 397 ft FEL

BH Location: 28-22N-07W Sec-Twn- Rng 408 ft FSL 2524 ft FEL

Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 48.9 miles to MM 103; Right (South) on Atkins Road for 3.2 miles to fork; Left (South) continuing on Atkins Road for 1.1 miles to 4-way intersection; Straight (south) for 1.6 miles to 4-way intersection; Straight (South) for 1.9 miles to fork; Left (South) for 0.4 miles to fork; Right (South) for 0.3 miles to S Escavada Unit 350H access road; Left (South) along 350H access road for 0.7 miles to S Escavada Unit 350H Pad (Wells: 347H, 350H & 351H).

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	2,813	9.625	36.0	J-55	LTC	0	2,813
Production	8.500	13,154	5.500	17.0	P-110	LTC	0	13,154

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	Type III	14.6	1.39	6.686	0.6946	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	548
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,313	136
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	496
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.2291	10%	3,910	1,493

COMPLETION / PRODUCTION SUMMARY:

Frac: 35 plug-and-perf stages with 270,000 bbls slickwater fluid and 12,500,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow (ESP may be used for load recovery assistance)

Production: Produce through production tubing via gas-lift into permanent production and storage facilities

QUICK REFERENCE	
Sur TD (MD)	350 ft
Int TD (MD)	2,813 ft
KOP (MD)	4,307 ft
KOP (TVD)	3,918 ft
Target (TVD)	4,604 ft
Curve BUR	10 °/100 ft
POE (MD)	5,422 ft
TD (MD)	13,154 ft
Lat Len (ft)	7,732 ft

Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	527	527
Kirtland	637	637
Fruitland	762	763
Pictured Cliffs	1,095	1,105
Lewis	1,192	1,208
Chacra	1,459	1,504
Cliff House	2,497	2,687
Menefee	2,507	2,699
Point Lookout	3,457	3,781
Mancos	3,570	3,910
Gallup (MNCS_A)	3,887	4,271
MNCS_B	3,997	4,395
MNCS_C	4,087	4,494
MNCS_Cms	4,127	4,538
MNCS_D	4,267	4,699
MNCS_E	4,407	4,885
MNCS_F	4,455	4,962
MNCS_G	4,520	5,087
MNCS_H	4,582	5,250
LANDING PT (FTP) TARGET	4,604	5,422
PROJECTED LTP	4,547	13,154

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 135211

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 135211
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 135211

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 135211
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days of BLM approval.	3/20/2024
plmartinez	In the future please include complete Pressure Test which includes -Pressure Test psi, Duration of Test (30 minutes required), and Test results which was missing on the completion sundry and/or Production drilling sundry.	3/20/2024