

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-42376	² Pool Code 96434	³ Pool Name RED HILLS; BONE SPRING, NORTH
⁴ Property Code 714105	⁵ Property Name TELECASTER BASS 36	
⁶ Well Number 4H	⁷ Operator Name ENDURANCE RESOURCES, LLC	
⁸ OGRID No. 270329	⁹ Elevation 3372.6	

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
A	36	24 S	34 E		180	NORTH	990	EAST	LEA

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
P	36	24 S	34 E		330	SOUTH	330	EAST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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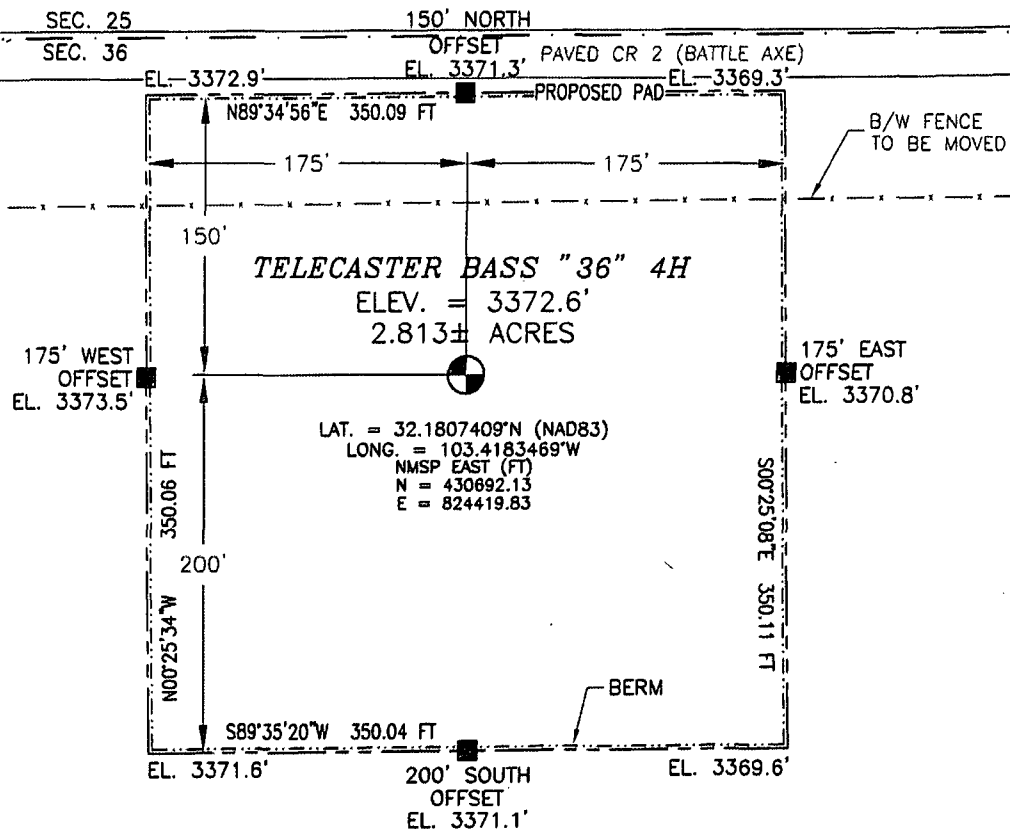
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

DNF N Q CORNER SEC. 36 LAT. = 32.1812409°N LONG. = 103.4236639°W NMSP EAST (FT) N = 430860.10 E = 822773.22 NE CORNER SEC. 36 LAT. = 32.1812321°N LONG. = 103.4151478°W NMSP EAST (FT) N = 430879.28 E = 825408.09 W Q CORNER SEC. 36 LAT. = 32.1739948°N LONG. = 103.4322041°W NMSP EAST (FT) N = 428201.72 E = 820153.02 SW CORNER SEC. 36 LAT. = 32.1667396°N LONG. = 103.4322030°W NMSP EAST (FT) N = 425562.32 E = 820175.48 S Q CORNER SEC. 36 LAT. = 32.1667278°N LONG. = 103.4236736°W NMSP EAST (FT) N = 425580.22 E = 822814.86 SE CORNER SEC. 36 LAT. = 32.1667271°N LONG. = 103.4150881°W NMSP EAST (FT) 330' N = 425602.53 E = 825471.59 NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.		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. <i>Manny Sirgo</i> 1-14-2015 Signature Date Manny Sirgo III Printed Name manny@enduranceresourcesllc.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. JANUARY 6, 2015 Date of Survey (12797) Signature and Seal of Professional Surveyor Certificate Number: FILMON E. J. RUIZ, PLS 12797 SURVEY NO. 3395
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JAN 21 2015

SECTION 36, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE



0 10 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM STATE HIGHWAY 128 AND CR 2 (BATTLE AXE) GO SOUTHWEST ON CR 2 0.34 MILES, BEND RIGHT AND GO WEST 0.3 MILES TO THE PROPOSED NORTHEAST PAD CORNER ON SOUTH SIDE OF ROAD FOR THIS LOCATION.

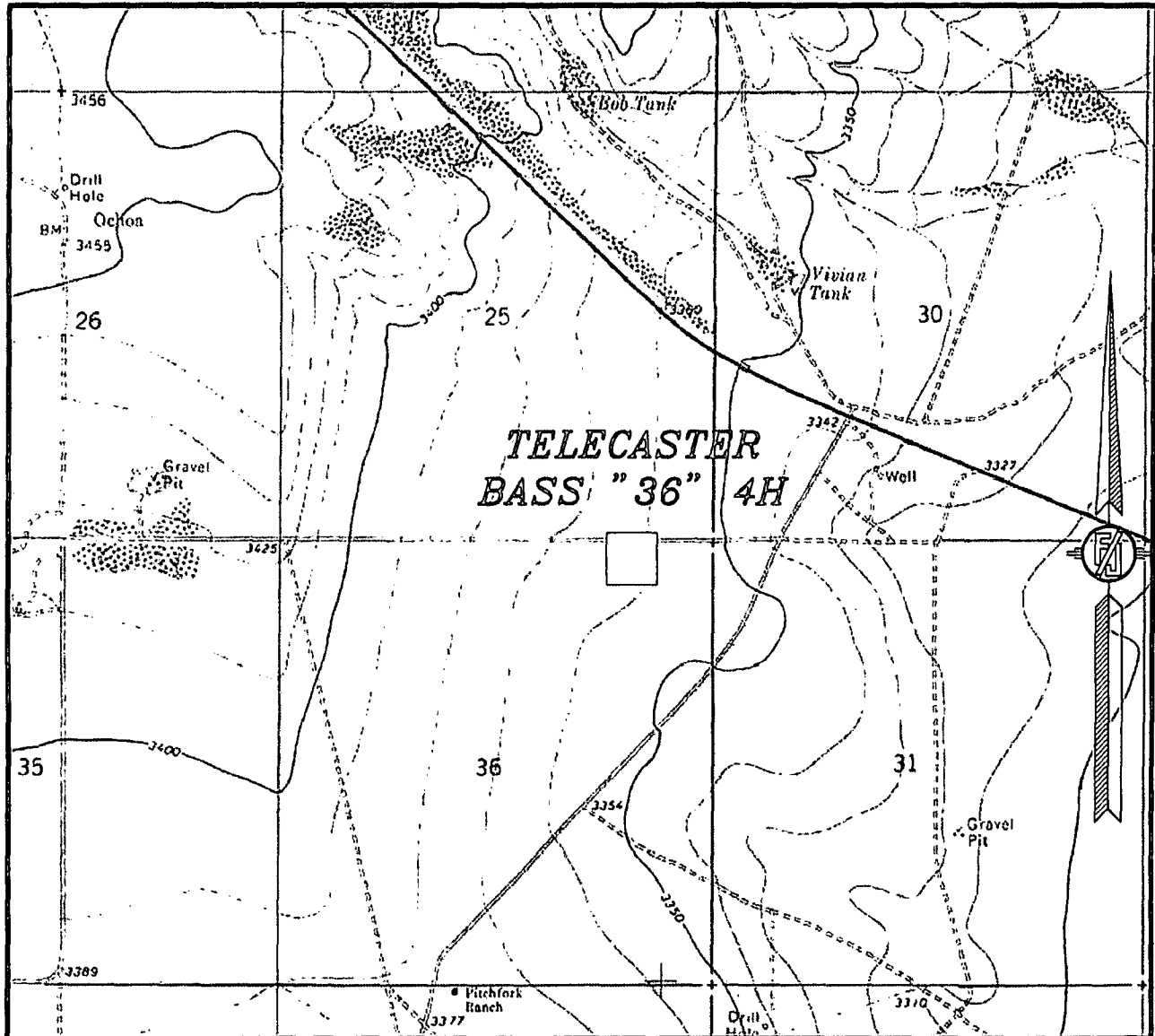
ENDURANCE RESOURCES, LLC
TELECASTER BASS "36" 4H
LOCATED 180 FT. FROM THE NORTH LINE
AND 990 FT. FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 24 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

JANUARY 6, 2015

SURVEY NO. 3595

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 36, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
WOODLEY FLAT

NOT TO SCALE

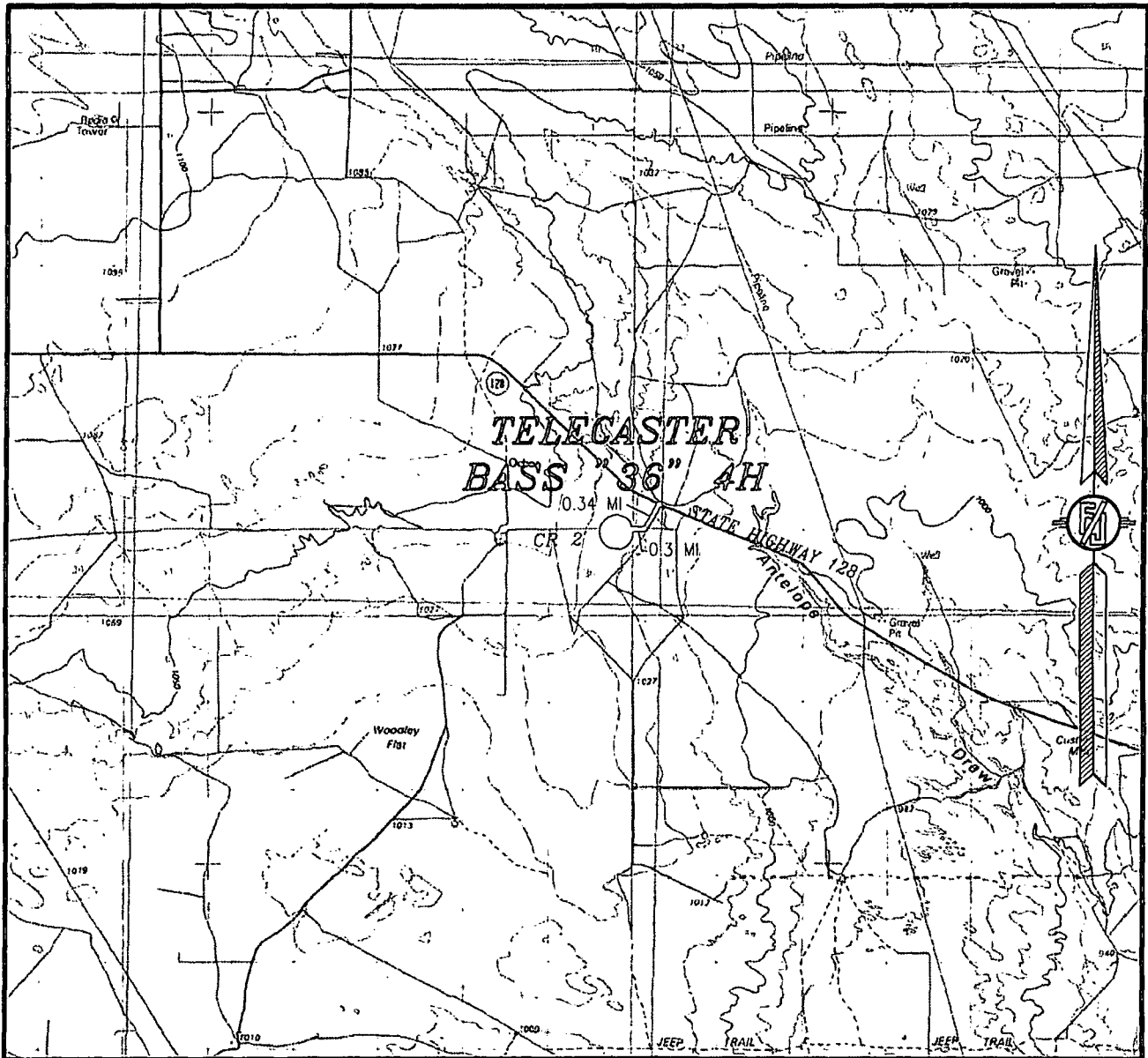
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RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

JANUARY 6, 2015

SURVEY NO. 3595

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SECTION 36, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM STATE HIGHWAY 128 AND CR 2 (BATTLE AXE) GO SOUTHWEST ON CR 2 0.34 MILES, BEND RIGHT AND GO WEST 0.3 MILES TO THE PROPOSED NORTHEAST PAD CORNER ON SOUTH SIDE OF ROAD FOR THIS LOCATION.

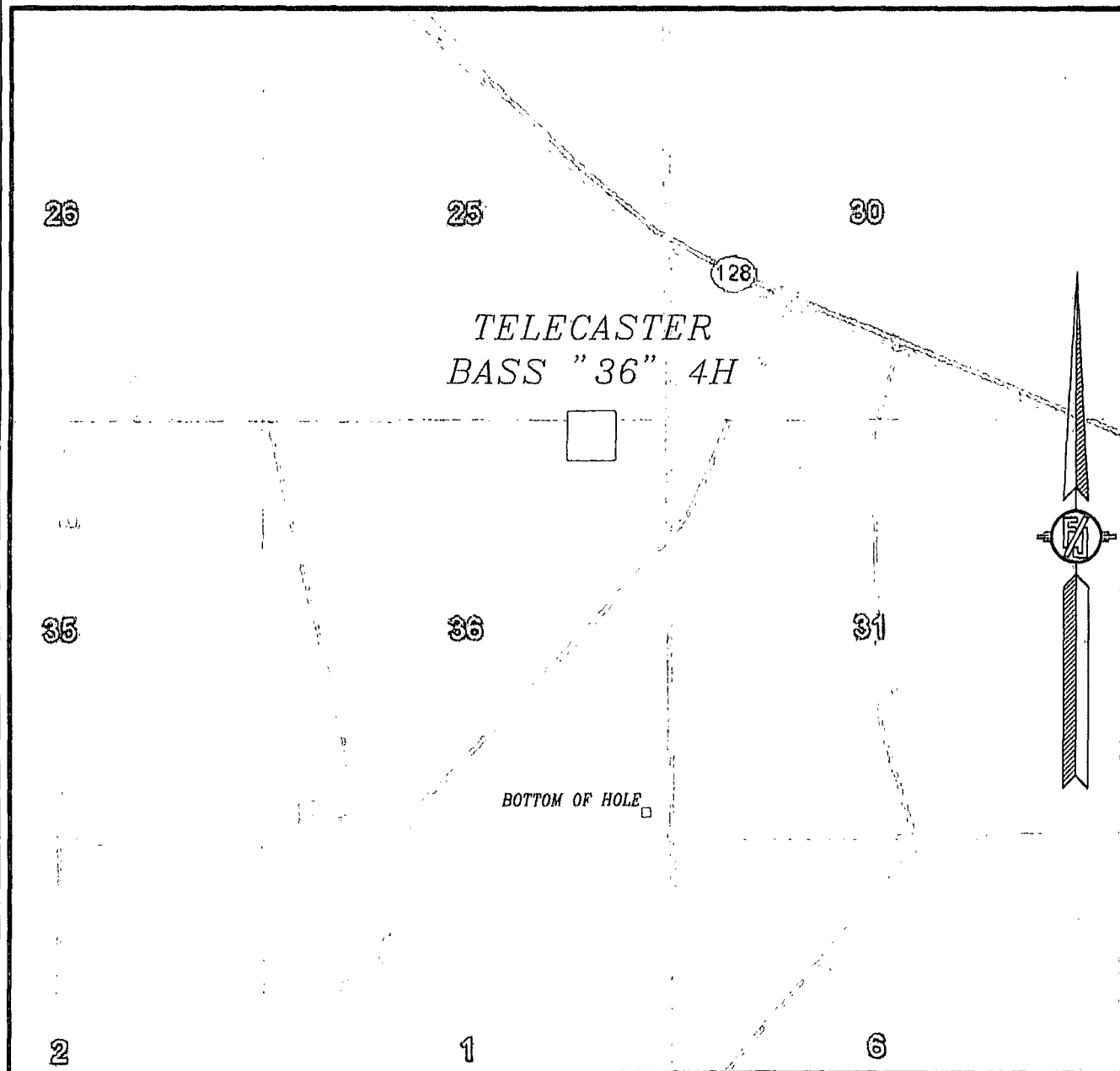
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AND 990 FT. FROM THE EAST LINE OF
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RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

JANUARY 6, 2015

SURVEY NO. 3595

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SECTION 36, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEBRUARY 2014

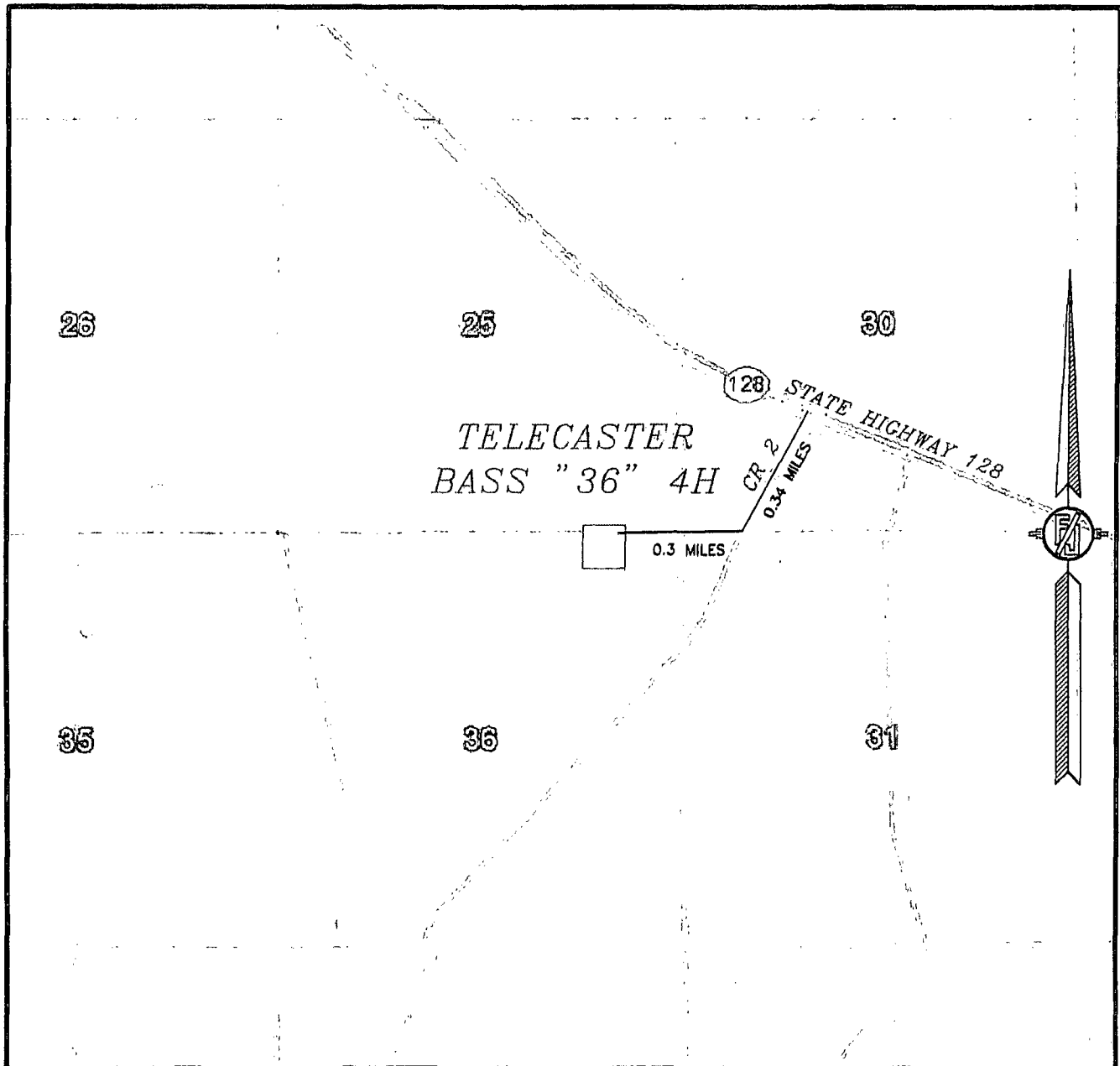
ENDURANCE RESOURCES, LLC
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SECTION 36, TOWNSHIP 24 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

JANUARY 6, 2015

SURVEY NO. 3595

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 36, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
ACCESS AERIAL ROUTE MAP



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEBRUARY 2014

ENDURANCE RESOURCES, LLC
TELECASTER BASS "36" 4H
LOCATED 180 FT. FROM THE NORTH LINE
AND 990 FT. FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 24 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

JANUARY 6, 2015

SURVEY NO. 3595

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

NEXUS

DIRECTIONAL SOLUTIONS, L.P.



Azimuths to Grid North
True North: -0.49°
Magnetic North: 6.58°

Magnetic Field
Strength: 48248.4nT
Dip Angle: 80.08°
Date: 1/13/2015
Model: IGRF2010

To convert a Magnetic Direction to a Grid Direction, Add 6.58°
To convert a True Direction to a Grid Direction, Subtract 0.49°

Matt Shipp
11/36, January 14 2015

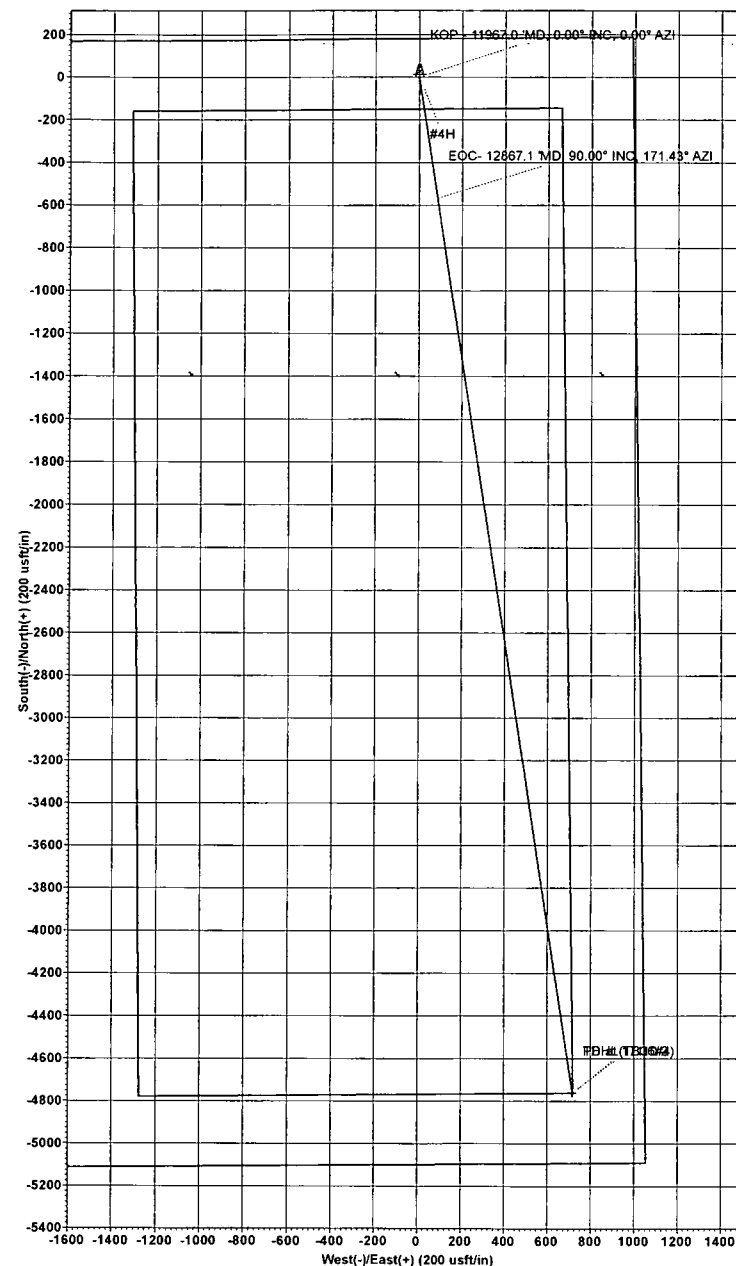
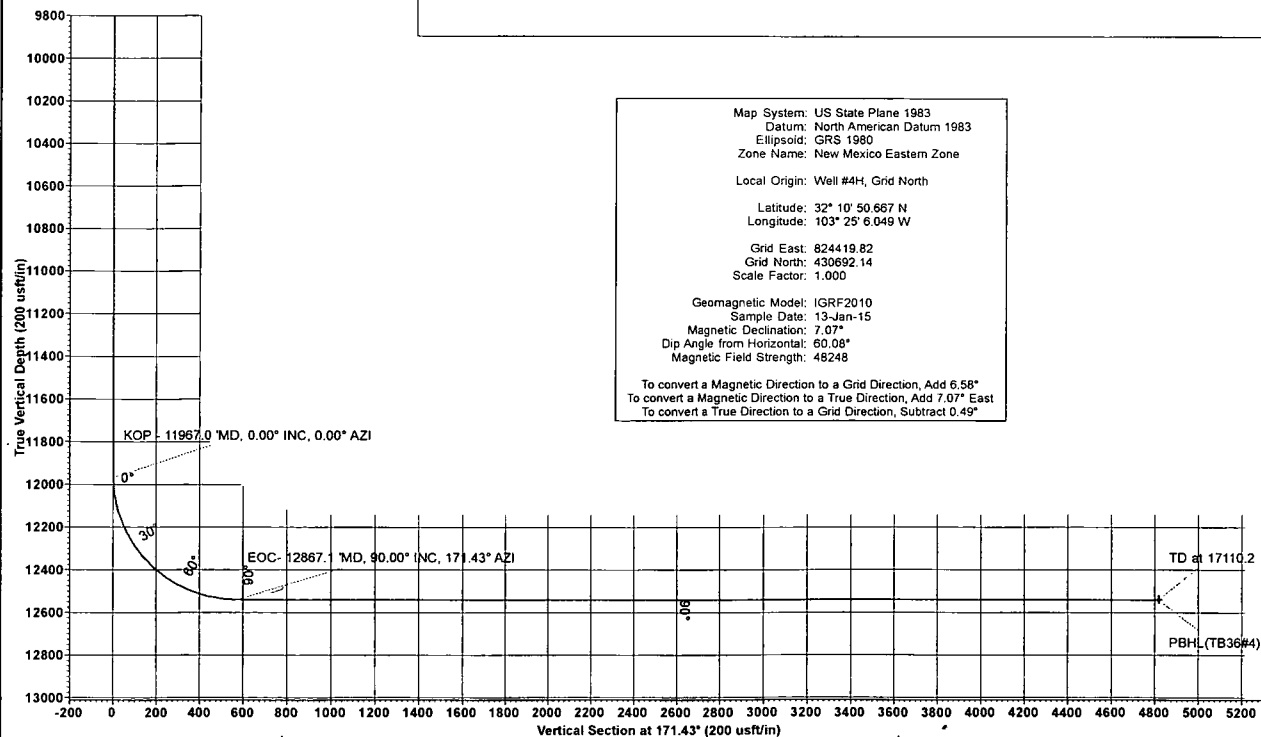
Nexus Directional Solutions
3925 CR 1285
Odessa TX 79765

WELL DETAILS:									
WELL @ 3393.6usft (Original Well Elev)									
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot			
0.0	0.0	430692.14	824419.82	32° 10' 50.667 N	103° 25' 6.049 W				

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
11967.0	0.00	0.00	11967.0	0.0	0.0	0.00	0.00	0.0	
12867.1	90.00	171.43	12540.0	-566.6	85.4	10.00	171.43	573.0	
17110.2	90.00	171.43	12540.0	-4762.3	717.7	0.00	0.00	4816.1	PBHL(TB36#4)

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(TB36#4)	12540.0	-4762.5	716.9	425929.68	825136.67

Telecaster Bass 36 #4H
Lea County, NM
Northing: (Y) 430692.14
Easting: (X) 824419.82
Design #1



LEGEND

• Design #1

Endurance Resources LLC

Lea County, NM

Telecaster Bass 36

#4H

OH

Plan: Design #1

Standard Planning Report

14 January, 2015

Wellplanning

Planning Report

Database: EDM 5000.1 Single User Db
 Company: Endurance Resources LLC
 Project: Lea County, NM
 Site: Telecaster Bass 36
 Well: #4H
 Wellbore: OH
 Design: Design #1

Local Co-ordinate Reference: Well #4H
 TVD Reference: WELL @ 3393.6usft (Original Well Elev)
 MD Reference: WELL @ 3393.6usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project: Lea County, NM
 Map System: US State Plane 1983
 Geo Datum: North American, Datum 1983
 Map Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

Site: Telecaster Bass 36
 Site Position: Northing: 430,692.14 usft Latitude: 32° 10' 50.667 N
 From: Lat/Long Easting: 824,419.82 usft Longitude: 103° 25' 6.049 W
 Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.49 °

Well: #4H
 Well Position: +N/-S 0.0 usft Northing: 430,692.14 usft Latitude: 32° 10' 50.667 N
 +E/-W 0.0 usft Easting: 824,419.82 usft Longitude: 103° 25' 6.049 W
 Position Uncertainty: 0.0 usft Wellhead Elevation: Ground Level: 3,372.6 usft

Wellbore: OH
 Magnetism: Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
 IGRF2010 1/13/2015 7.07 60.08 48,248

Design: Design #1
 Audit Notes:
 Version: Phase: PLAN Tie On Depth: 0.0
 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
 (usft) (usft) (usft) (°)
 0.0 0.0 0.0 171.43

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
11,967.0	0.00	0.00	11,967.0	0.0	0.0	0.00	0.00	0.00	0.00	
12,867.1	90.00	171.43	12,540.0	-566.6	85.4	10.00	10.00	0.00	171.43	
17,110.2	90.00	171.43	12,540.0	-4,762.3	717.7	0.00	0.00	0.00	0.00	PBHL(TB36#4)

Wellplanning

Planning Report

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 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Wellplanning

Planning Report

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 Wellbore: OH
 Design: Design #1

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 MD Reference: WELL @ 3393.6usft (Original Well Elev)
 North Reference: Grid
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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00

Wellplanning

Planning Report

Database: EDM 5000.1 Single User Db
 Company: Endurance Resources LLC
 Project: Lea County, NM
 Site: Telecaster Bass 36
 Well: #4H
 Wellbore: OH
 Design: Design #1

Local Co-ordinate Reference: Well #4H
 TVD Reference: WELL @ 3393.6usft (Original Well Elev)
 MD Reference: WELL @ 3393.6usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,100.0	0.0	0.0	0.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,200.0	0.0	0.0	0.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,300.0	0.0	0.0	0.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,400.0	0.0	0.0	0.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,500.0	0.0	0.0	0.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,600.0	0.0	0.0	0.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,700.0	0.0	0.0	0.0	0.00	0.00	0.00
11,800.0	0.00	0.00	11,800.0	0.0	0.0	0.0	0.00	0.00	0.00
11,900.0	0.00	0.00	11,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,967.0	0.00	0.00	11,967.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - 11967.0 'MD, 0.00° INC, 0.00° AZI									
12,000.0	3.30	171.43	12,000.0	-0.9	0.1	0.9	10.00	10.00	0.00
12,050.0	8.30	171.43	12,049.7	-5.9	0.9	6.0	10.00	10.00	0.00
12,100.0	13.30	171.43	12,098.8	-15.2	2.3	15.4	10.00	10.00	0.00
12,150.0	18.30	171.43	12,146.9	-28.7	4.3	29.0	10.00	10.00	0.00
12,200.0	23.30	171.43	12,193.6	-46.2	7.0	46.7	10.00	10.00	0.00
12,250.0	28.30	171.43	12,238.6	-67.7	10.2	68.5	10.00	10.00	0.00
12,300.0	33.30	171.43	12,281.6	-93.0	14.0	94.1	10.00	10.00	0.00
12,350.0	38.30	171.43	12,322.1	-121.9	18.4	123.3	10.00	10.00	0.00
12,400.0	43.30	171.43	12,360.0	-154.2	23.2	156.0	10.00	10.00	0.00
12,450.0	48.30	171.43	12,394.8	-189.7	28.6	191.8	10.00	10.00	0.00
12,500.0	53.30	171.43	12,426.4	-228.0	34.4	230.5	10.00	10.00	0.00
12,550.0	58.30	171.43	12,454.5	-268.8	40.5	271.9	10.00	10.00	0.00
12,600.0	63.30	171.43	12,478.9	-312.0	47.0	315.5	10.00	10.00	0.00
12,650.0	68.29	171.43	12,499.4	-357.1	53.8	361.1	10.00	10.00	0.00
12,700.0	73.29	171.43	12,515.8	-403.7	60.8	408.3	10.00	10.00	0.00
12,750.0	78.29	171.43	12,528.1	-451.6	68.1	456.7	10.00	10.00	0.00
12,800.0	83.29	171.43	12,536.1	-500.4	75.4	506.1	10.00	10.00	0.00
12,850.0	88.29	171.43	12,539.7	-549.7	82.8	555.9	10.00	10.00	0.00
12,867.1	90.00	171.43	12,540.0	-566.6	85.4	573.0	10.00	10.00	0.00
EOC - 12867.1 'MD, 90.00° INC, 171.43° AZI									
12,900.0	90.00	171.43	12,540.0	-599.2	90.3	605.9	0.00	0.00	0.00
13,000.0	90.00	171.43	12,540.0	-698.1	105.2	705.9	0.00	0.00	0.00
13,100.0	90.00	171.43	12,540.0	-796.9	120.1	805.9	0.00	0.00	0.00
13,200.0	90.00	171.43	12,540.0	-895.8	135.0	905.9	0.00	0.00	0.00
13,300.0	90.00	171.43	12,540.0	-994.7	149.9	1,005.9	0.00	0.00	0.00
13,400.0	90.00	171.43	12,540.0	-1,093.6	164.8	1,105.9	0.00	0.00	0.00
13,500.0	90.00	171.43	12,540.0	-1,192.5	179.7	1,205.9	0.00	0.00	0.00
13,600.0	90.00	171.43	12,540.0	-1,291.4	194.6	1,305.9	0.00	0.00	0.00
13,700.0	90.00	171.43	12,540.0	-1,390.2	209.5	1,405.9	0.00	0.00	0.00
13,800.0	90.00	171.43	12,540.0	-1,489.1	224.4	1,505.9	0.00	0.00	0.00
13,900.0	90.00	171.43	12,540.0	-1,588.0	239.3	1,605.9	0.00	0.00	0.00
14,000.0	90.00	171.43	12,540.0	-1,686.9	254.2	1,705.9	0.00	0.00	0.00
14,100.0	90.00	171.43	12,540.0	-1,785.8	269.1	1,805.9	0.00	0.00	0.00
14,200.0	90.00	171.43	12,540.0	-1,884.7	284.0	1,905.9	0.00	0.00	0.00
14,300.0	90.00	171.43	12,540.0	-1,983.5	298.9	2,005.9	0.00	0.00	0.00
14,400.0	90.00	171.43	12,540.0	-2,082.4	313.8	2,105.9	0.00	0.00	0.00
14,500.0	90.00	171.43	12,540.0	-2,181.3	328.7	2,205.9	0.00	0.00	0.00
14,600.0	90.00	171.43	12,540.0	-2,280.2	343.6	2,305.9	0.00	0.00	0.00
14,700.0	90.00	171.43	12,540.0	-2,379.1	358.5	2,405.9	0.00	0.00	0.00
14,800.0	90.00	171.43	12,540.0	-2,478.0	373.4	2,505.9	0.00	0.00	0.00

Wellplanning

Planning Report

Database: EDM 5000.1 Single User Db
 Company: Endurance Resources LLC
 Project: Lea County, NM
 Site: Telecaster Bass 36
 Well: #4H
 Wellbore: OH
 Design: Design #1

Local Co-ordinate Reference: Well #4H
 TVD Reference: WELL @ 3393.6usft (Original Well Elev)
 MD Reference: WELL @ 3393.6usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,900.0	90.00	171.43	12,540.0	-2,576.8	388.3	2,605.9	0.00	0.00	0.00
15,000.0	90.00	171.43	12,540.0	-2,675.7	403.2	2,705.9	0.00	0.00	0.00
15,100.0	90.00	171.43	12,540.0	-2,774.6	418.1	2,805.9	0.00	0.00	0.00
15,200.0	90.00	171.43	12,540.0	-2,873.5	433.0	2,905.9	0.00	0.00	0.00
15,300.0	90.00	171.43	12,540.0	-2,972.4	447.9	3,005.9	0.00	0.00	0.00
15,400.0	90.00	171.43	12,540.0	-3,071.3	462.8	3,105.9	0.00	0.00	0.00
15,500.0	90.00	171.43	12,540.0	-3,170.1	477.7	3,205.9	0.00	0.00	0.00
15,600.0	90.00	171.43	12,540.0	-3,269.0	492.6	3,305.9	0.00	0.00	0.00
15,700.0	90.00	171.43	12,540.0	-3,367.9	507.5	3,405.9	0.00	0.00	0.00
15,800.0	90.00	171.43	12,540.0	-3,466.8	522.4	3,505.9	0.00	0.00	0.00
15,900.0	90.00	171.43	12,540.0	-3,565.7	537.3	3,605.9	0.00	0.00	0.00
16,000.0	90.00	171.43	12,540.0	-3,664.6	552.2	3,705.9	0.00	0.00	0.00
16,100.0	90.00	171.43	12,540.0	-3,763.4	567.2	3,805.9	0.00	0.00	0.00
16,200.0	90.00	171.43	12,540.0	-3,862.3	582.1	3,905.9	0.00	0.00	0.00
16,300.0	90.00	171.43	12,540.0	-3,961.2	597.0	4,005.9	0.00	0.00	0.00
16,400.0	90.00	171.43	12,540.0	-4,060.1	611.9	4,105.9	0.00	0.00	0.00
16,500.0	90.00	171.43	12,540.0	-4,159.0	626.8	4,205.9	0.00	0.00	0.00
16,600.0	90.00	171.43	12,540.0	-4,257.9	641.7	4,305.9	0.00	0.00	0.00
16,700.0	90.00	171.43	12,540.0	-4,356.7	656.6	4,405.9	0.00	0.00	0.00
16,800.0	90.00	171.43	12,540.0	-4,455.6	671.5	4,505.9	0.00	0.00	0.00
16,900.0	90.00	171.43	12,540.0	-4,554.5	686.4	4,605.9	0.00	0.00	0.00
17,000.0	90.00	171.43	12,540.0	-4,653.4	701.3	4,705.9	0.00	0.00	0.00
17,100.0	90.00	171.43	12,540.0	-4,752.3	716.2	4,805.9	0.00	0.00	0.00
17,110.2	90.00	171.43	12,540.0	-4,762.3	717.7	4,816.1	0.00	0.00	0.00

TD at 17110.2 - PBHL(TB36#4)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(TB36#4)	0.00	0.00	12,540.0	-4,762.5	716.9	425,929.68	825,136.67	32° 10' 3.483 N	103° 24' 58.181 W
- plan misses target center by 0.8usft at 17110.2usft MD (12540.0 TVD, -4762.3 N, 717.7 E)									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
11,967.0	11,967.0	0.0	0.0	KOP - 11967.0 'MD, 0.00° INC, 0.00° AZI
12,867.1	12,540.0	-566.6	85.4	EOC- 12867.1 'MD, 90.00° INC, 171.43° AZI
17,110.2	12,540.0	-4,762.3	717.7	TD at 17110.2