

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

HOBBS OCD
AUG 18 2016
RECEIVED

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	² Pool Code 5130	³ Pool Name Bell Lake; BoneSpring North
⁴ Property Code 313567	⁵ Property Name STARCASTER 18 FEDERAL Com	
⁷ OGRID No. 270329	⁸ Operator Name ENDURANCE RESOURCES, LLC	⁶ Well Number 1H
		⁹ Elevation 3509.0

¹⁰ Surface Location

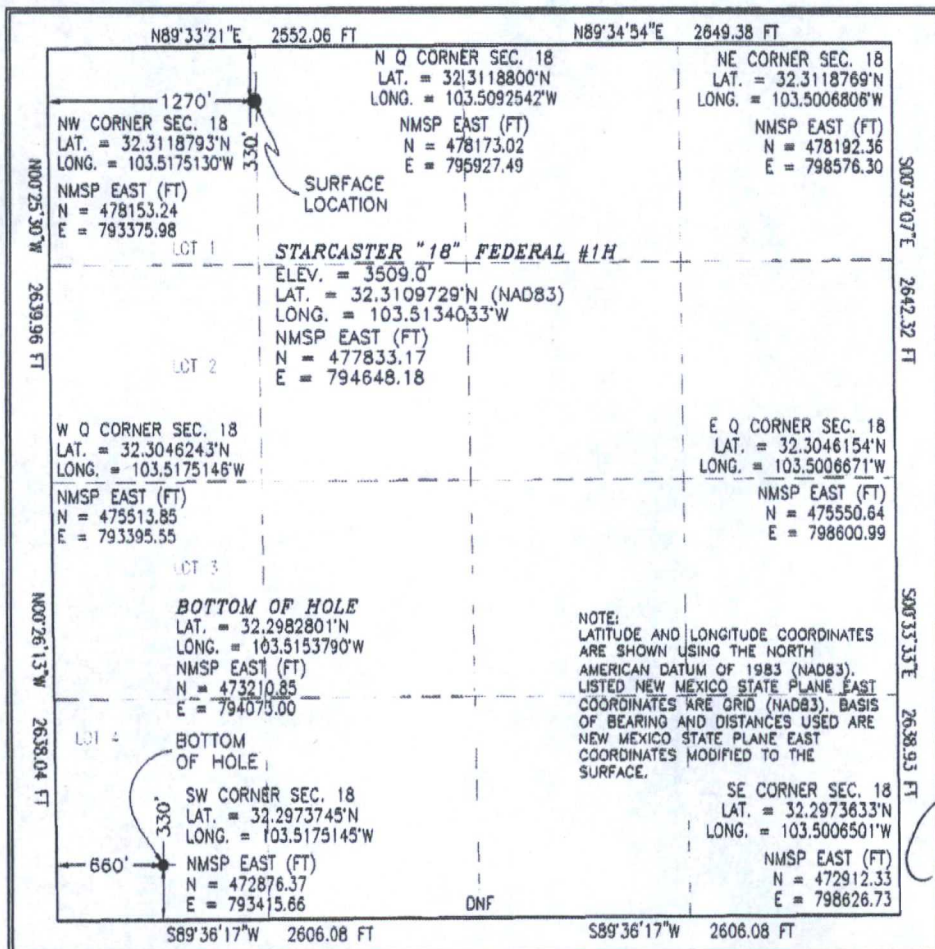
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	18	23 S	34 E		330	NORTH	1270	WEST	LEA

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
4	18	23 S	34 E		330	SOUTH	660	WEST	LEA

¹² Dedicated Acres 160 150.96	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.



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.

Tinlee Tilton 1/25/2016
Signature Date

TINLEE TILTON
Printed Name

tinlee@endurance
E-mail Address

resourcesllc.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.

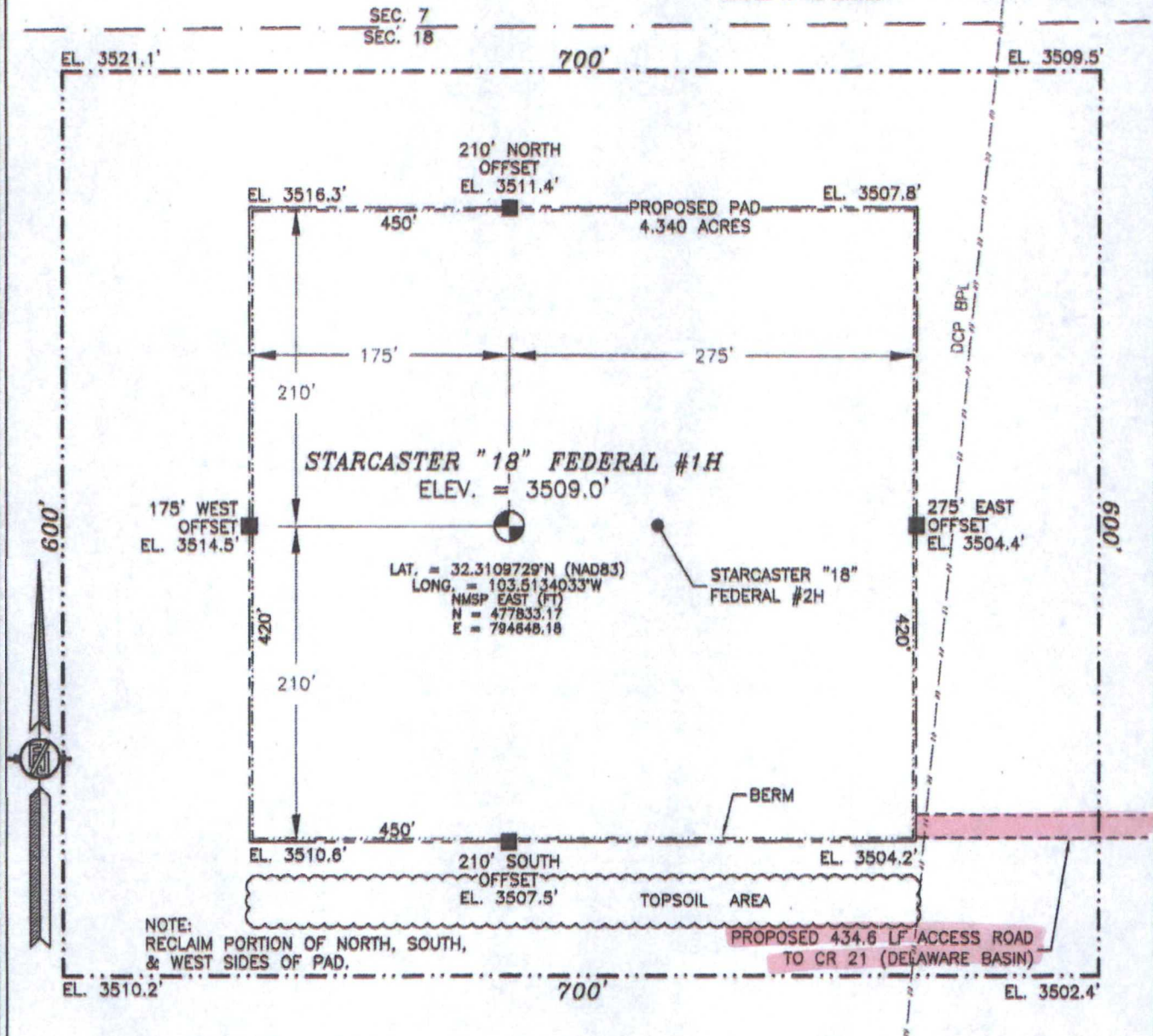
NOVEMBER 21/2016
Date of Survey

12797
Certificate Number

12797
SURVEY NO. 2441

SECTION 18, TOWNSHIP 23 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.



NOTE: RECLAIM PORTION OF NORTH, SOUTH, & WEST SIDES OF PAD.

010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 21 (DELAWARE BASIN) AND CR 21-B (SHELL) GO NORTH ON CR 21 FOR APPROX. 4.0 MILES. LOCATION IS APPROX. 610' WEST.

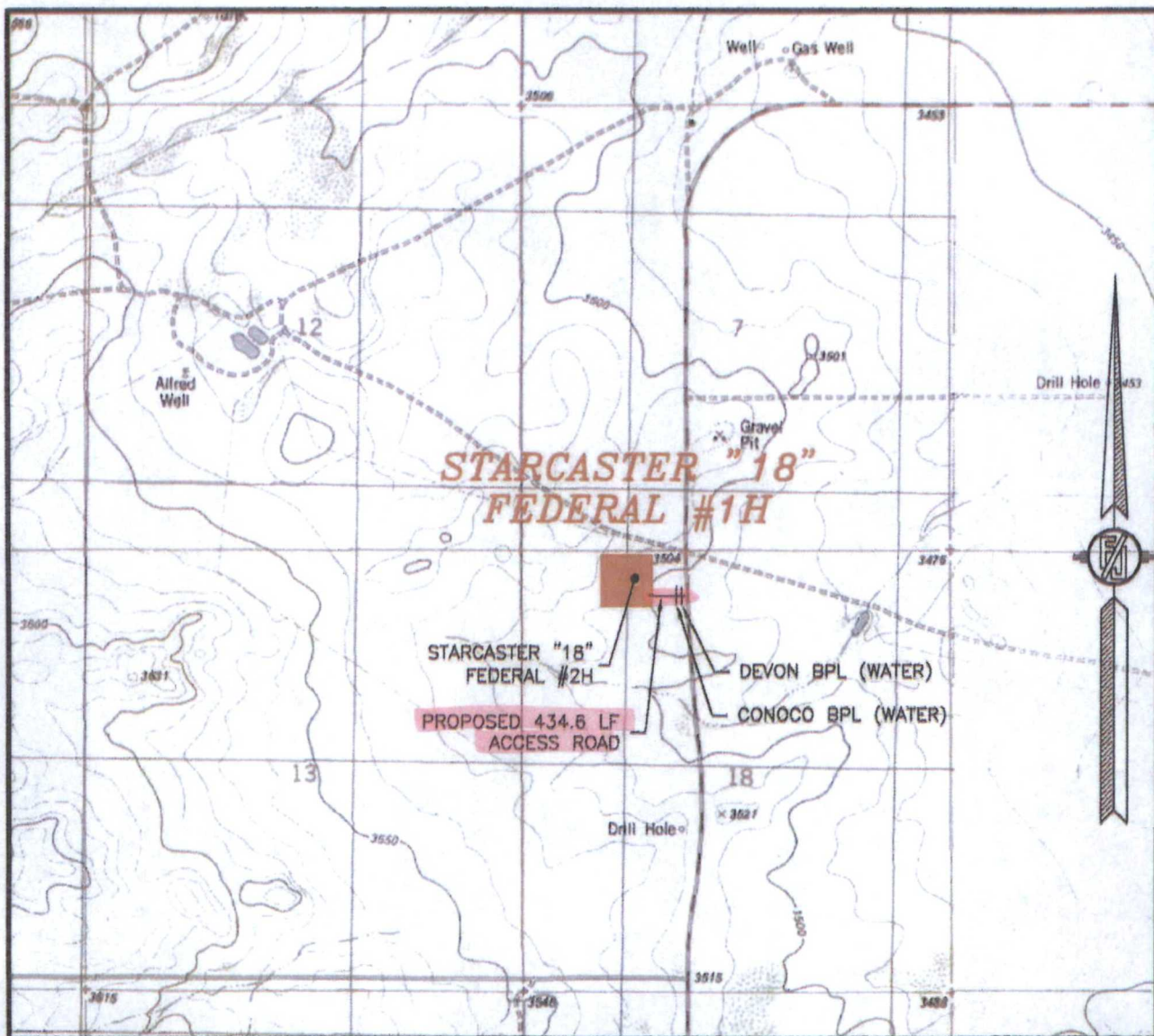
ENDURANCE RESOURCES, LLC
STARCASTER "18" FEDERAL #1H
LOCATED 330 FT. FROM THE NORTH LINE
AND 1270 FT. FROM THE WEST LINE OF
SECTION 18, TOWNSHIP 23 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

NOVEMBER 21, 2013

SURVEY NO. 2441

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

18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



**USGS QUAD MAP:
TIP TOP WELLS**

NOT TO SCALE

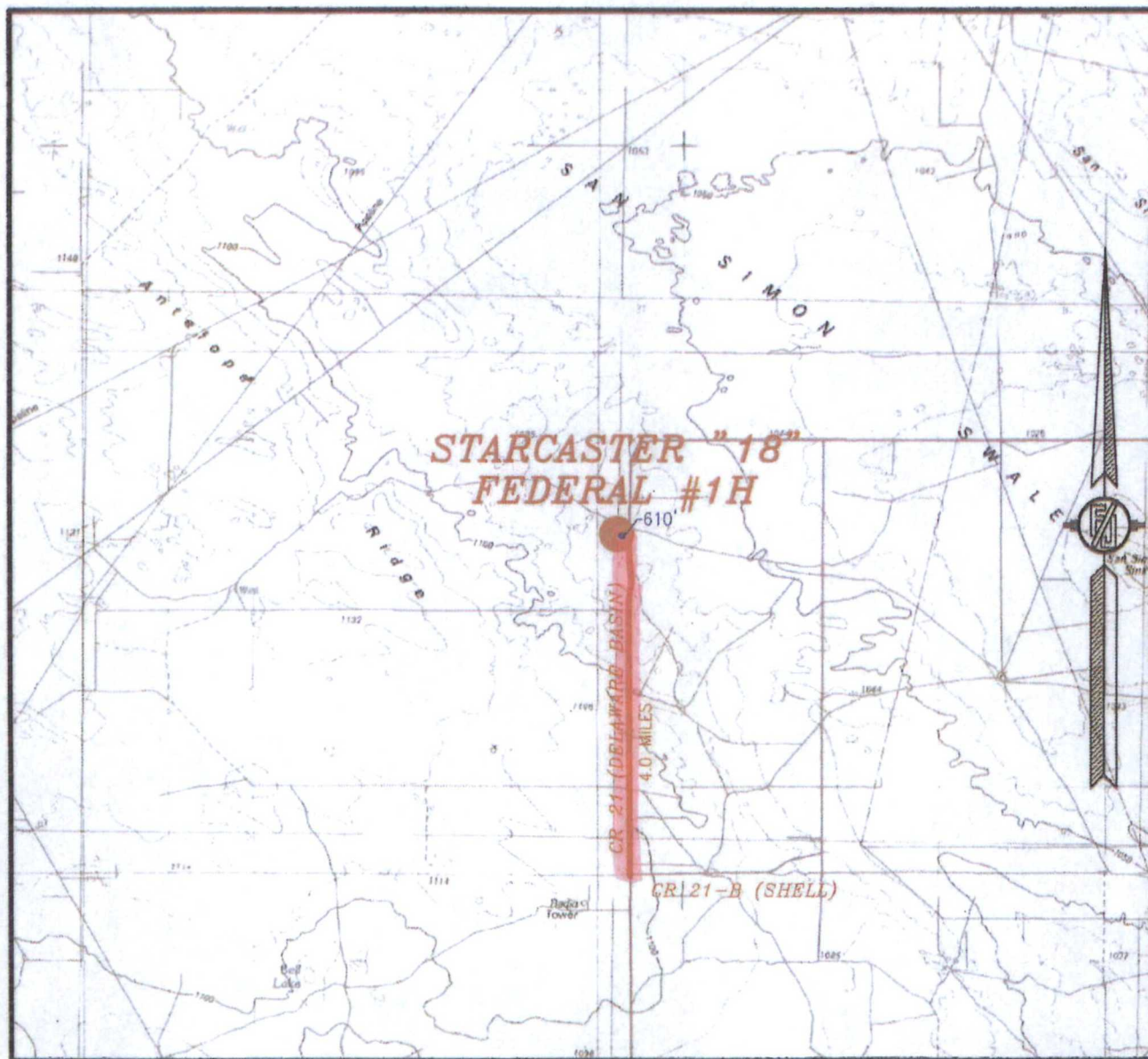
ENDURANCE RESOURCES, LLC
STARCASTER "18" FEDERAL #1H
LOCATED 330 FT. FROM THE NORTH LINE
AND 1270 FT. FROM THE WEST LINE OF
SECTION 18, TOWNSHIP 23 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

NOVEMBER 21, 2013

SURVEY NO. 2441

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

SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

ENDURANCE RESOURCES, LLC
STARCASTER "18" FEDERAL #1H
LOCATED 330 FT. FROM THE NORTH LINE
AND 1270 FT. FROM THE WEST LINE OF
SECTION 18, TOWNSHIP 23 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

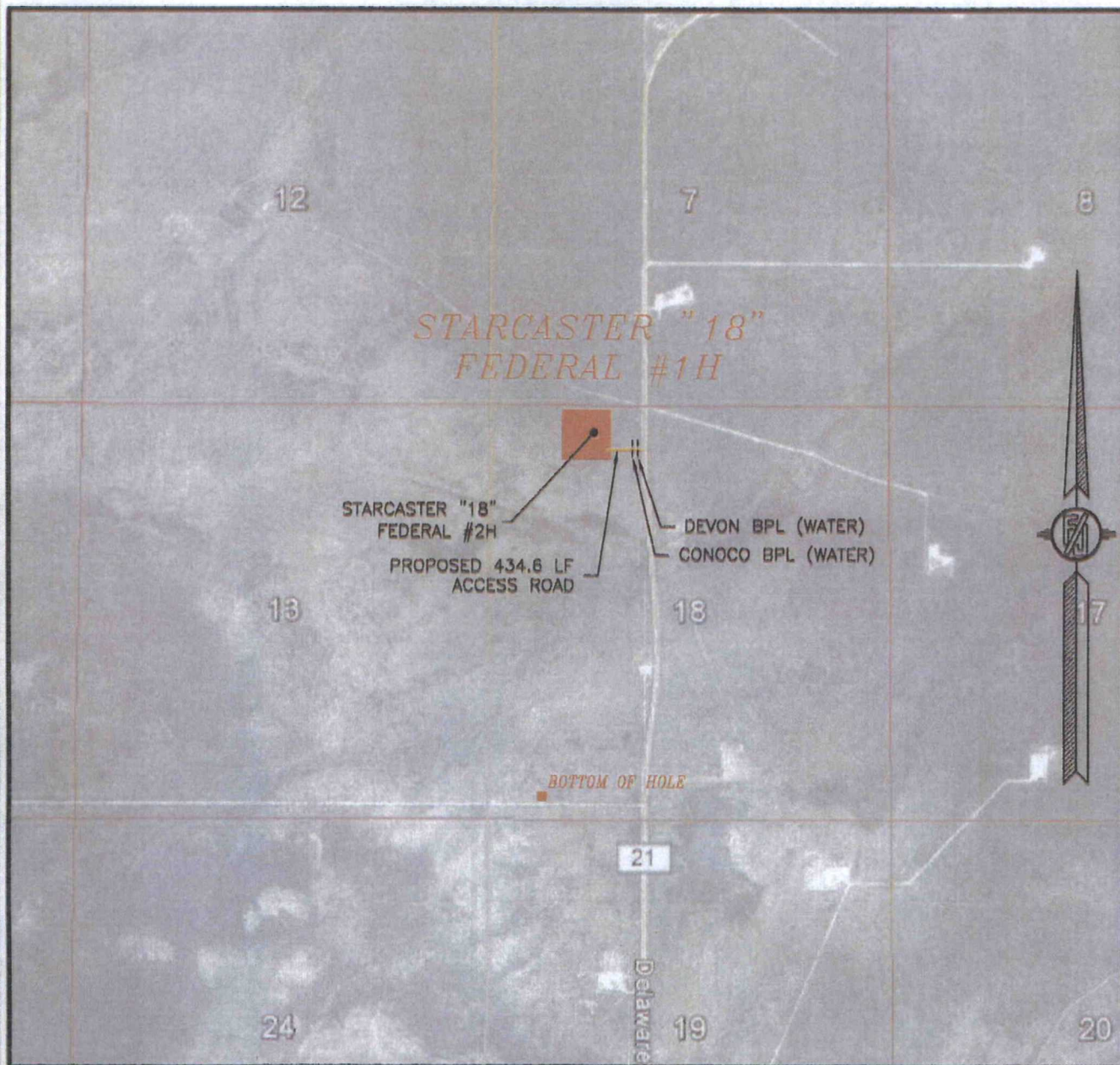
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 21 (DELAWARE BASIN) AND CR 21-B (SHELL) GO NORTH ON CR 21 FOR APPROX. 4.0 MILES. LOCATION IS APPROX. 610' WEST.

NOVEMBER 21, 2013

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO SURVEY NO. 2441

SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MARCH 2012

ENDURANCE RESOURCES, LLC
STARCASTER "18" FEDERAL #1H
LOCATED 330 FT. FROM THE NORTH LINE
AND 1270 FT. FROM THE WEST LINE OF
SECTION 18, TOWNSHIP 23 SOUTH,
RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

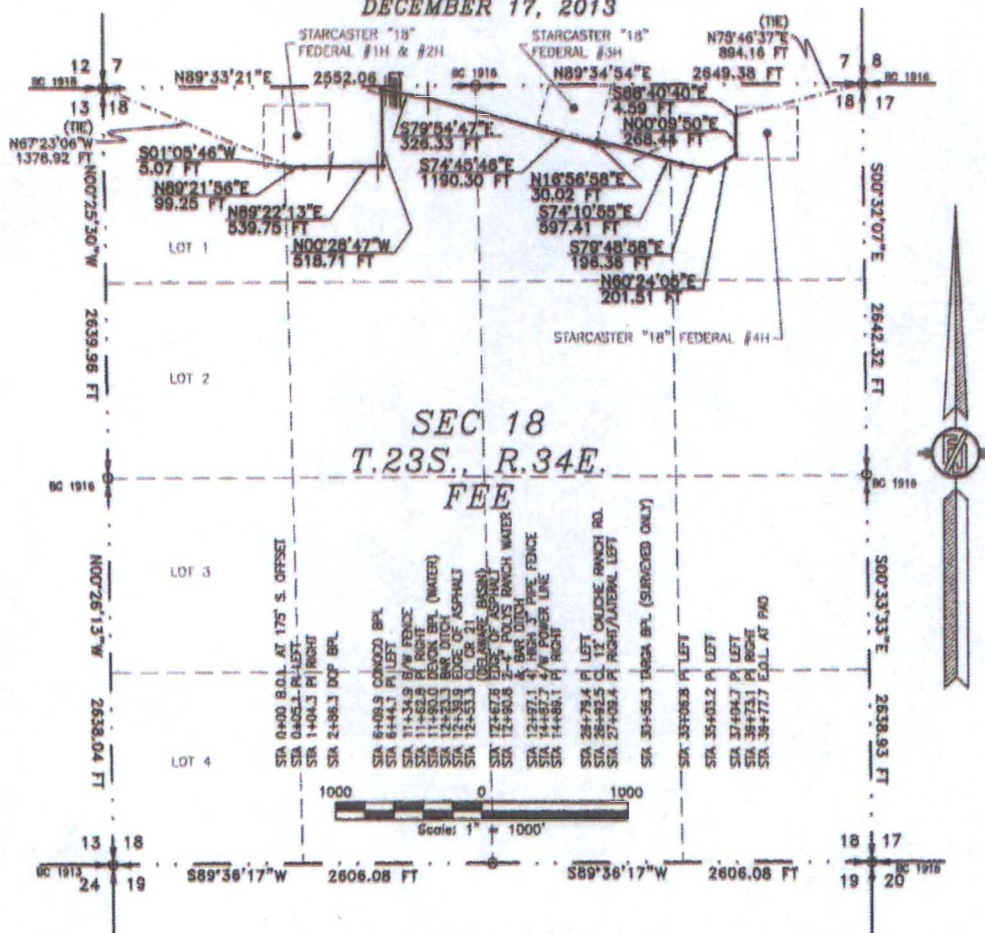
NOVEMBER 21, 2013

SURVEY NO. 2441

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

4" POLY FLOW LINE TO CONNECT THE STARCASTER "18" FEDERAL #1H, #2H,
& #3H TO THE STARCASTER "18" FEDERAL #4H TANK BATTERY

ENDURANCE RESOURCES, LLC
CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 17, 2013



DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING FEE LAND IN SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NE/4 NW/4 OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M., WHENCE THE NORTHWEST CORNER OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N67°23'06"W, A DISTANCE OF 1378.92 FEET;

THENCE S01°05'46"W A DISTANCE OF 5.07 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N89°21'56"E A DISTANCE OF 99.25 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N89°22'13"E A DISTANCE OF 539.75 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N00°28'47"W A DISTANCE OF 518.71 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S79°54'47"E A DISTANCE OF 326.33 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S74°45'46"E A DISTANCE OF 1190.30 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N16°56'56"E A DISTANCE OF 30.02 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S74°10'55"E A DISTANCE OF 597.41 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S79°48'58"E A DISTANCE OF 196.36 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N80°24'05"E A DISTANCE OF 201.51 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N00°09'50"E A DISTANCE OF 268.44 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S88°40'40"E A DISTANCE OF 4.59 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHEAST CORNER OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N75°46'37"E, A DISTANCE OF 894.16 FEET;

SAID STRIP OF LAND BEING 3977.74 FEET OR 241.07 RODS IN LENGTH, CONTAINING 2.740 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NW/4	1827.39 L.F.	110.75 RODS	1.299 ACRES
NW/4 NE/4	1399.41 L.F.	84.81 RODS	0.964 ACRES
NE/4 NE/4	750.94 L.F.	45.51 RODS	0.517 ACRES

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD,

NEW MEXICO, THIS 31 DAY OF DECEMBER 2013

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING IS NMSP EAST MODIFIED TO SURFACE COORDINATES.

SHEET: 1-4 MAIN LINE

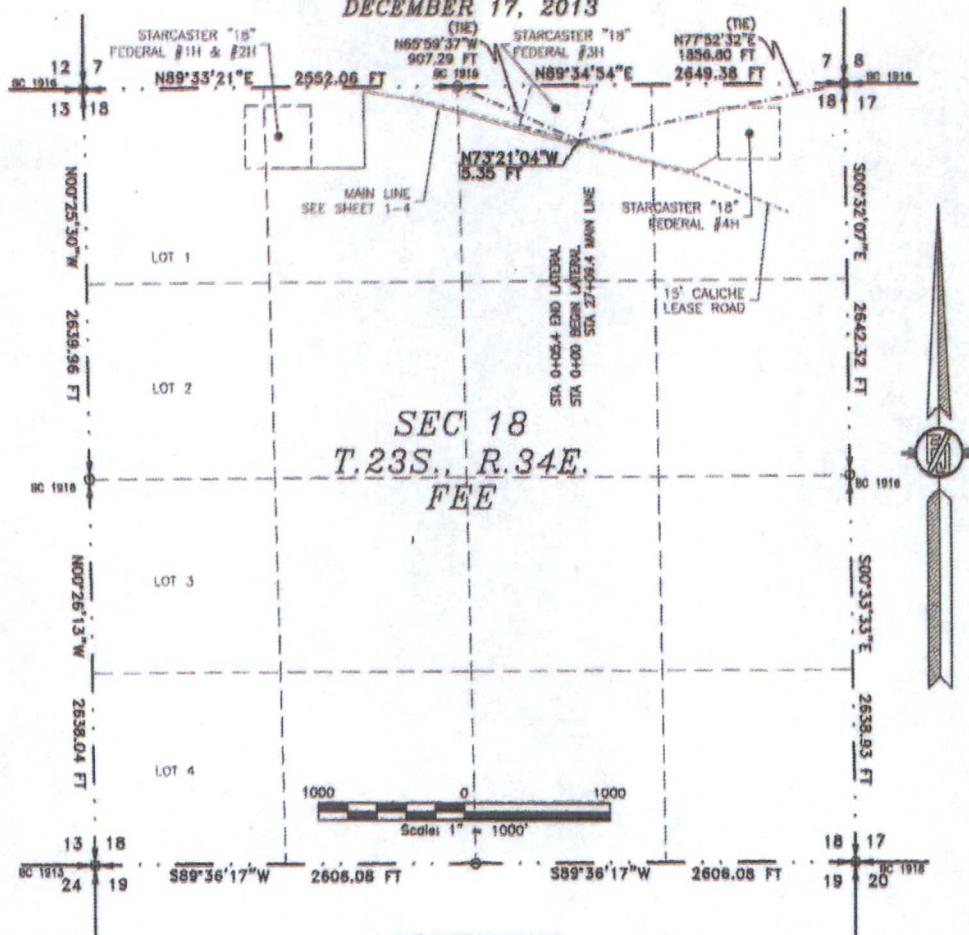
MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 2527

4" POLY FLOW LINE TO CONNECT THE STARCASTER "18" FEDERAL #1H, #2H, & #3H TO THE STARCASTER "18" FEDERAL #4H TANK BATTERY

ENDURANCE RESOURCES, LLC
CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 17, 2013



DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING FEE LAND IN SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NW/4 NE/4 OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M., WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N65°59'37"W, A DISTANCE OF 907.29 FEET;
THENCE N73°21'04"W A DISTANCE OF 5.35 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHEAST CORNER OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N77°52'32"E, A DISTANCE OF 1856.80 FEET;

SAID STRIP OF LAND BEING 5.35 FEET OR 0.32 RODS IN LENGTH, CONTAINING 0.004 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NE/4 5.35 L.F. 0.32 RODS 0.004 ACRES

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD,

NEW MEXICO, THIS 31 DAY OF DECEMBER 2013

Filmon F. Jaramillo
FILMON F. JARAMILLO, PLS. 12797
NEW MEXICO PROFESSIONAL SURVEYOR

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 2527

GENERAL NOTES

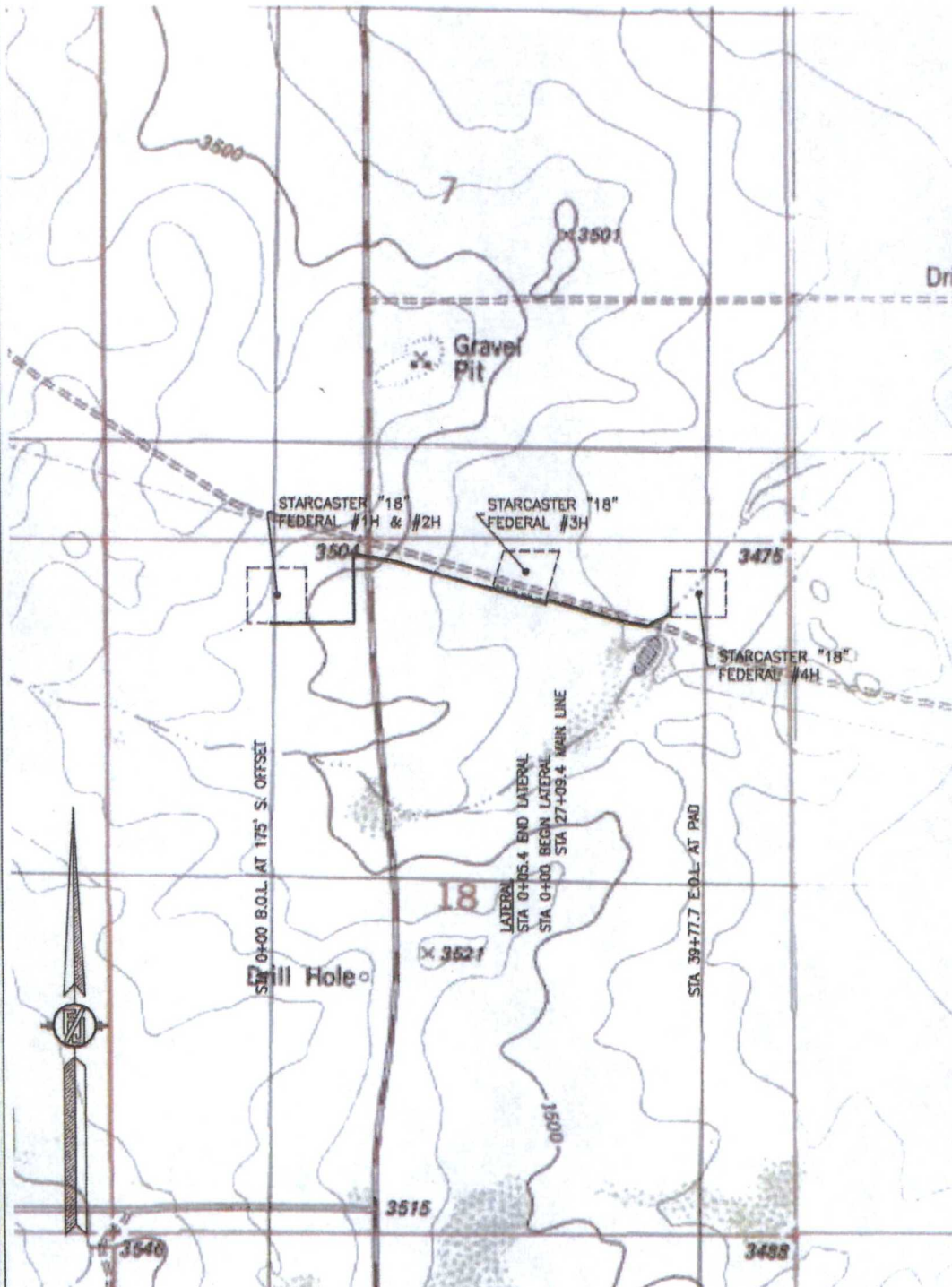
- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING IS NMSP EAST MODIFIED TO SURFACE COORDINATES.

SHEET: 2-4 LATERAL

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO 88220 (575) 234-3341

4" POLY FLOW LINE TO CONNECT THE STARCASTER "18" FEDERAL #1H, #2H,
& #3H TO THE STARCASTER "18" FEDERAL #4H TANK BATTERY

ENDURANCE RESOURCES, LLC
CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 17, 2013



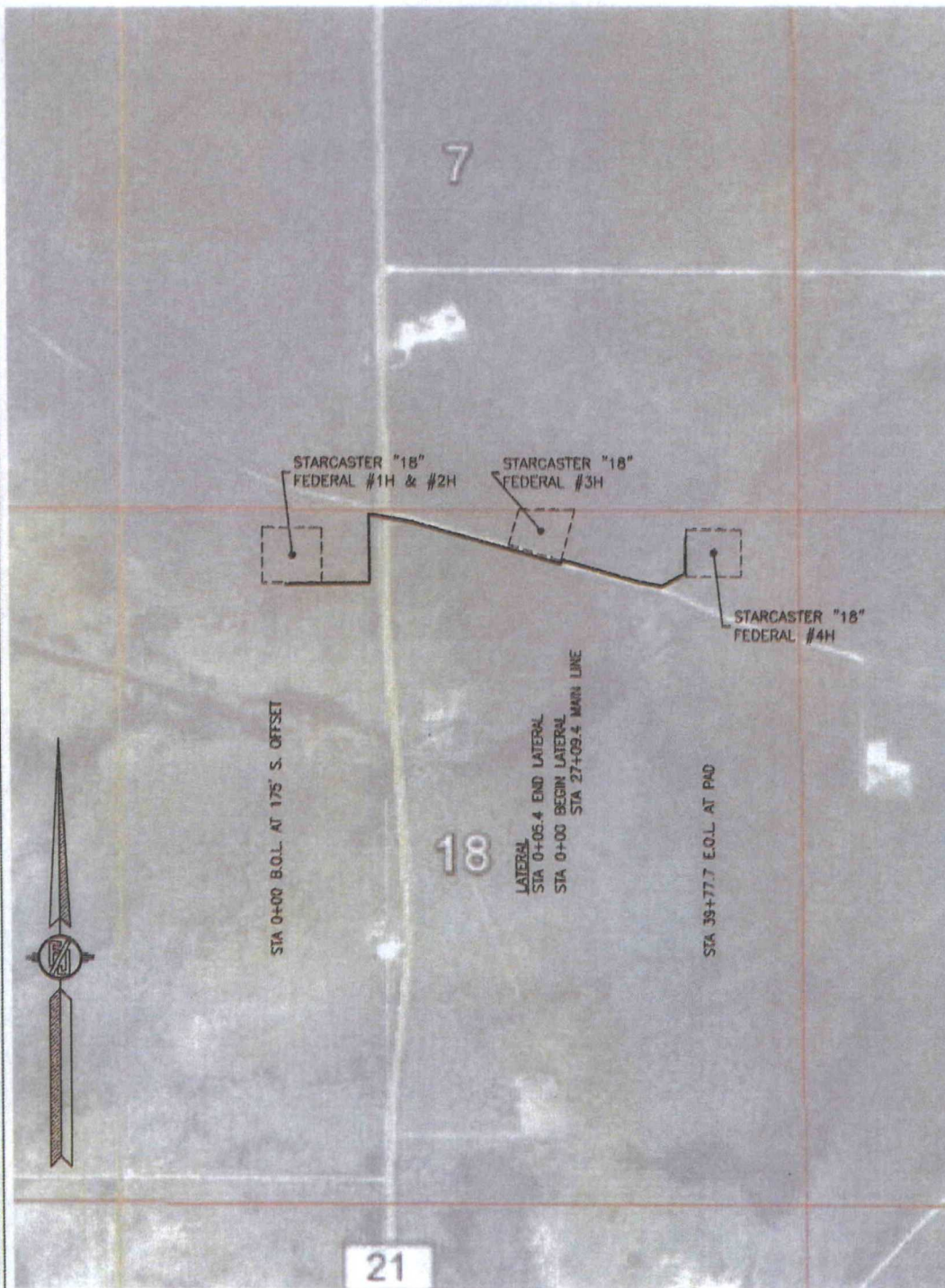
SHEET: 3-4

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO

SURVEY NO. 2527

4" POLY FLOW LINE TO CONNECT THE STARCASTER "18" FEDERAL #1H, #2H,
& #3H TO THE STARCASTER "18" FEDERAL #4H TANK BATTERY

ENDURANCE RESOURCES, LLC
CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 17, 2013

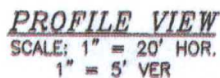
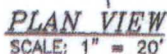


SHEET: 4-4

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(979) 234-3341

SURVEY NO. 2527

ENDURANCE RESOURCES, LLC
A PIPELINE CROSSING COUNTY ROAD 21
(DELAWARE BASIN) 32°18'42.363" N, 103°30'39.789" W
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 17, 2013



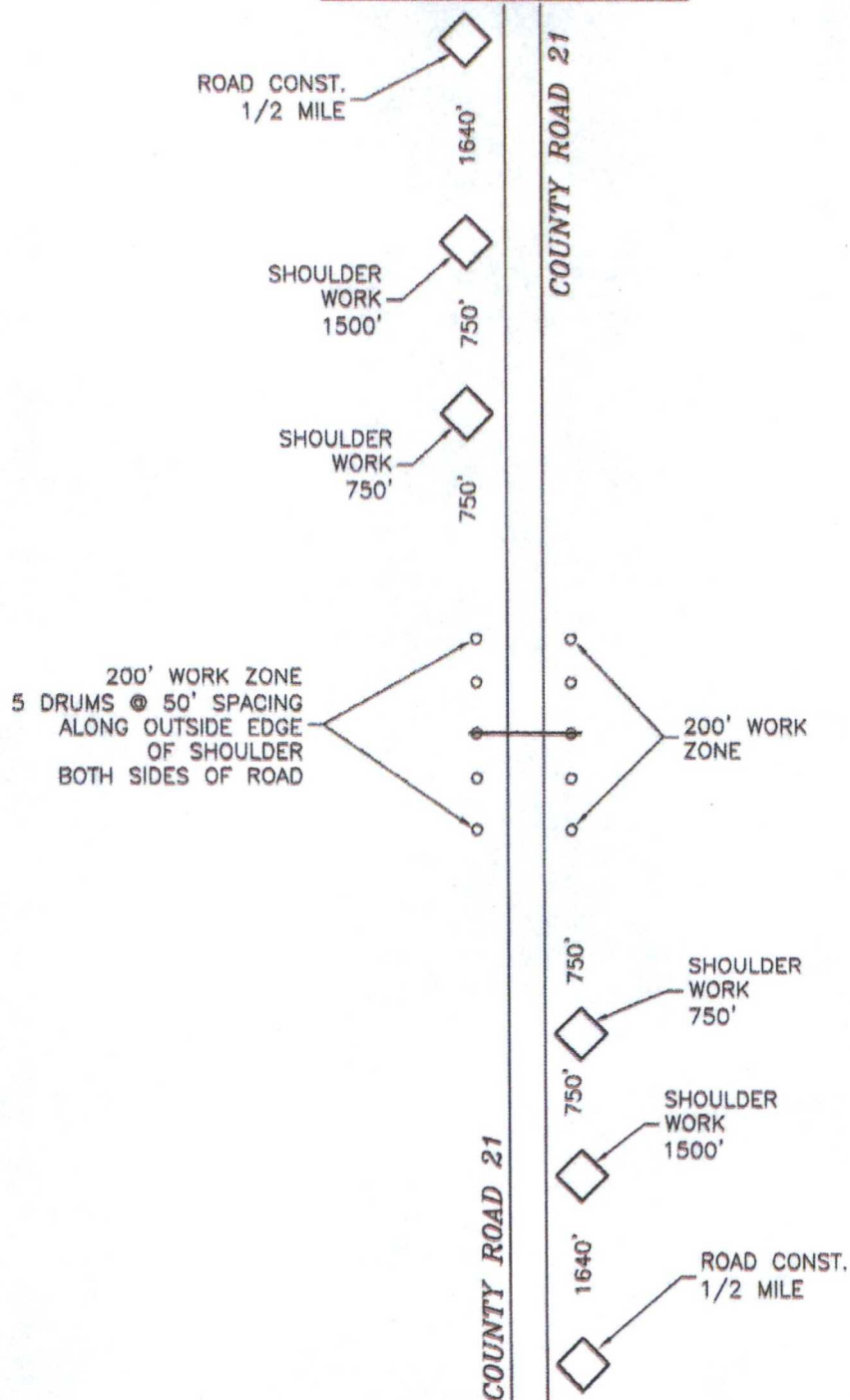
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(505) 687-5830

SURVEY NO. 2527

4" POLY FLOW LINE TO CONNECT THE STARCASTER "18" FEDERAL #1H, #2H,
& #3H TO THE STARCASTER "18" FEDERAL #4H TANK BATTERY

ENDURANCE RESOURCES, LLC
A PIPELINE CROSSING COUNTY ROAD 21
(DELAWARE BASIN) 32°18'42.363"N, 103°30'39.789"W
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 17, 2013

TRAFFIC CONTROL PLAN



NOT TO SCALE

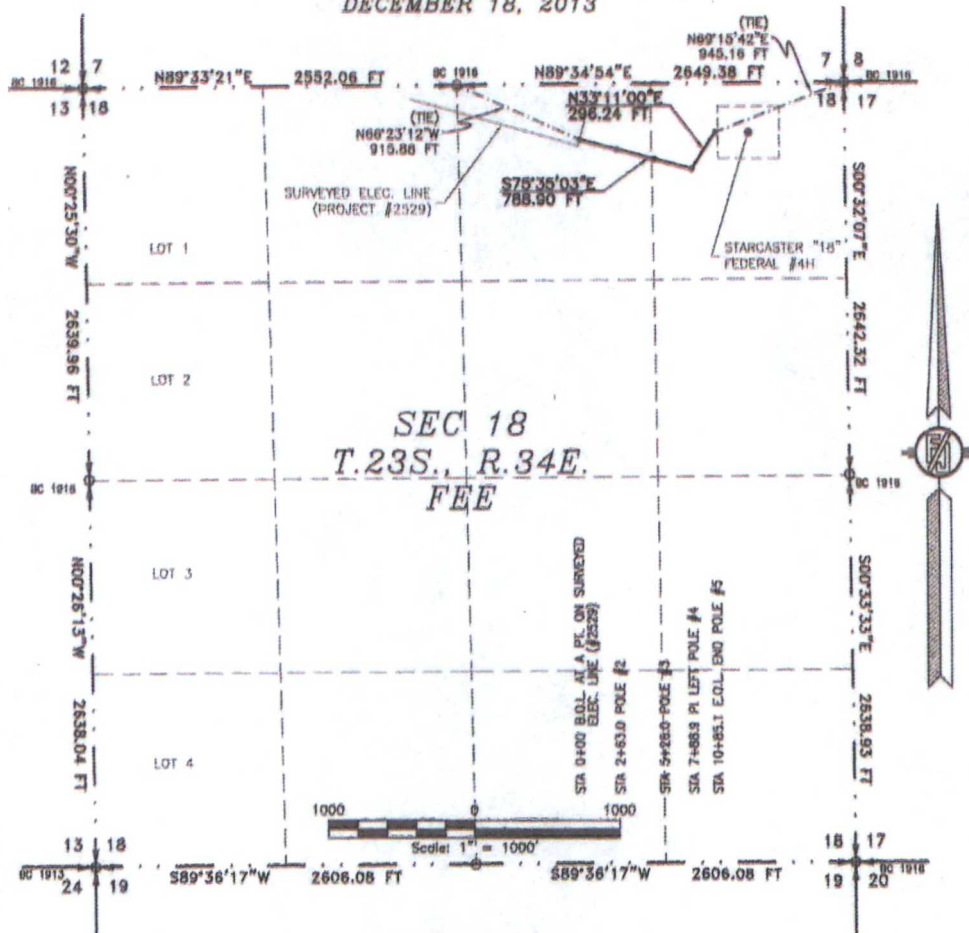
SHEET: 2-2

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 897-5530

SURVEY NO. 2527

**ELECTRIC LINE TO CONNECT THE STARCASTER "18" FEDERAL #4H TO AN
EXISTING XCEL ENERGY 4 WIRE POWER LINE**

**ENDURANCE RESOURCES, LLC
CENTERLINE SURVEY OF AN ELECTRIC LINE CROSSING
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 18, 2013**



DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING FEE LAND IN SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NW/4 NE/4 OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M., WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N66°23'12"W, A DISTANCE OF 915.88 FEET;

THENCE S78°35'03"E A DISTANCE OF 788.90 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE N33°11'00"E A DISTANCE OF 296.24 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHEAST CORNER OF SAID SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N69°15'42"E, A DISTANCE OF 945.16 FEET;

SAID STRIP OF LAND BEING 1085.14 FEET OR 65.76 RODS IN LENGTH, CONTAINING 0.747 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NE/4	508.28 L.F.	30.80 RODS	0.350 ACRES
NE/4 NE/4	576.86 L.F.	34.96 RODS	0.397 ACRES

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD,

NEW MEXICO, THIS 31 DAY OF DECEMBER 2013

Filmon F. Jaramillo
FILMON F. JARAMILLO, P.E. 12797

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING IS NMSP EAST MODIFIED TO SURFACE ANGLES.

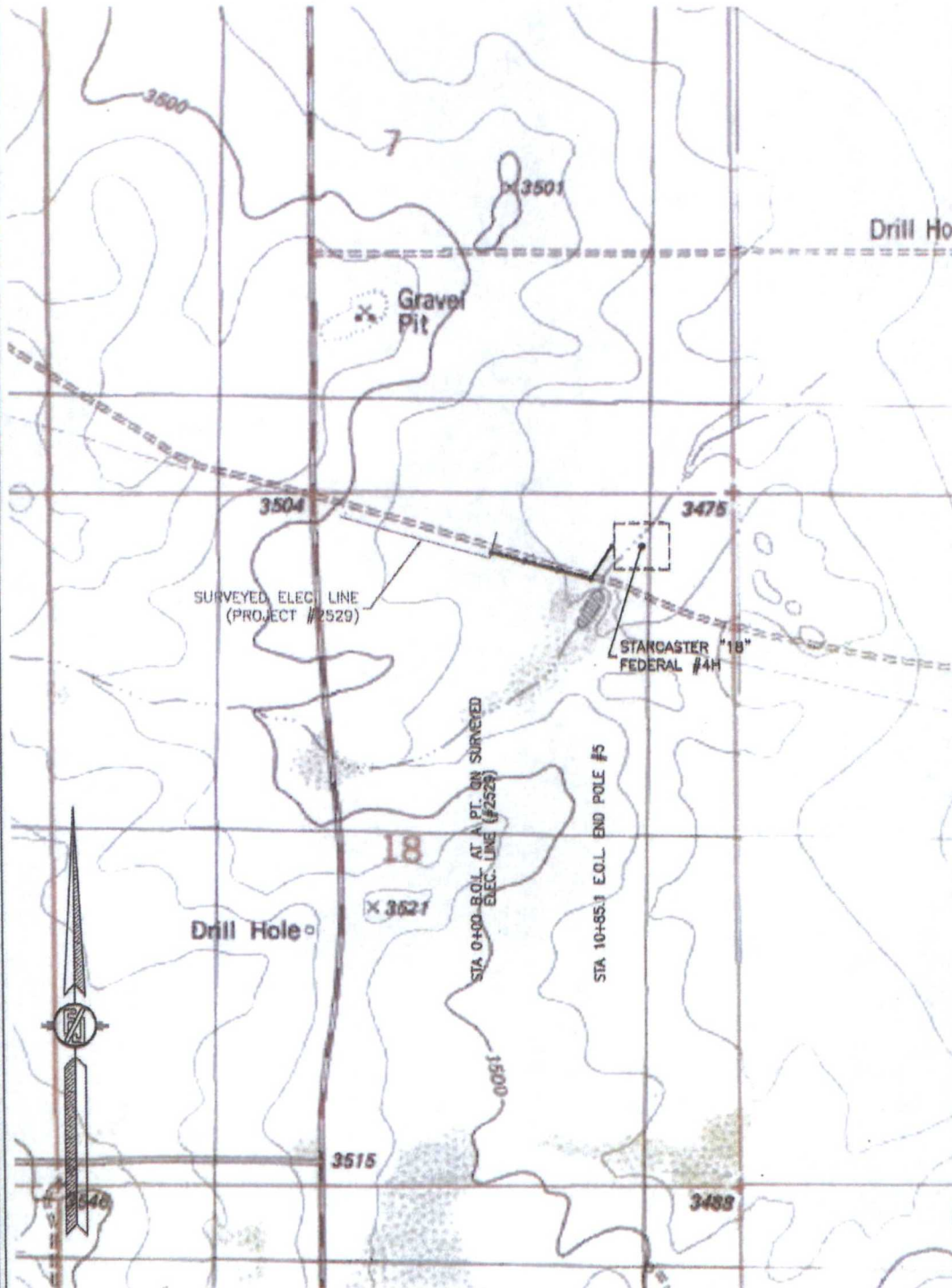
SHEET: 1-3

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SURVEY NO. 2530

ELECTRIC LINE TO CONNECT THE STARCASTER "18" FEDERAL #4H TO AN
EXISTING XCEL ENERGY 4 WIRE POWER LINE

ENDURANCE RESOURCES, LLC
CENTERLINE SURVEY OF AN ELECTRIC LINE CROSSING
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 18, 2013



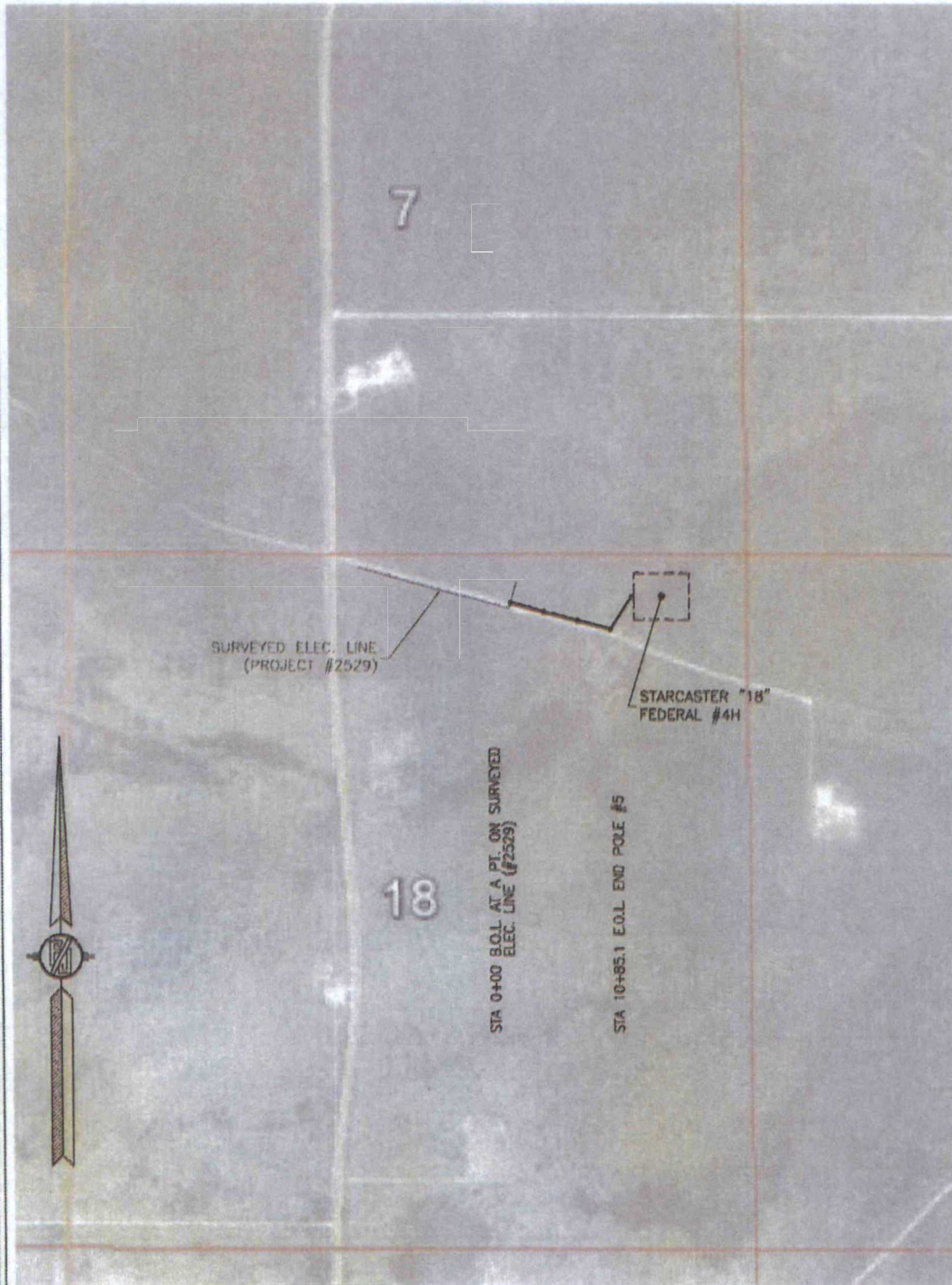
SHEET: 2-3

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

SURVEY NO. 2530

ELECTRIC LINE TO CONNECT THE STARCASTER "18" FEDERAL #4H TO AN
EXISTING XCEL ENERGY 4 WIRE POWER LINE

ENDURANCE RESOURCES, LLC
CENTERLINE SURVEY OF AN ELECTRIC LINE CROSSING
SECTION 18, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
DECEMBER 18, 2013

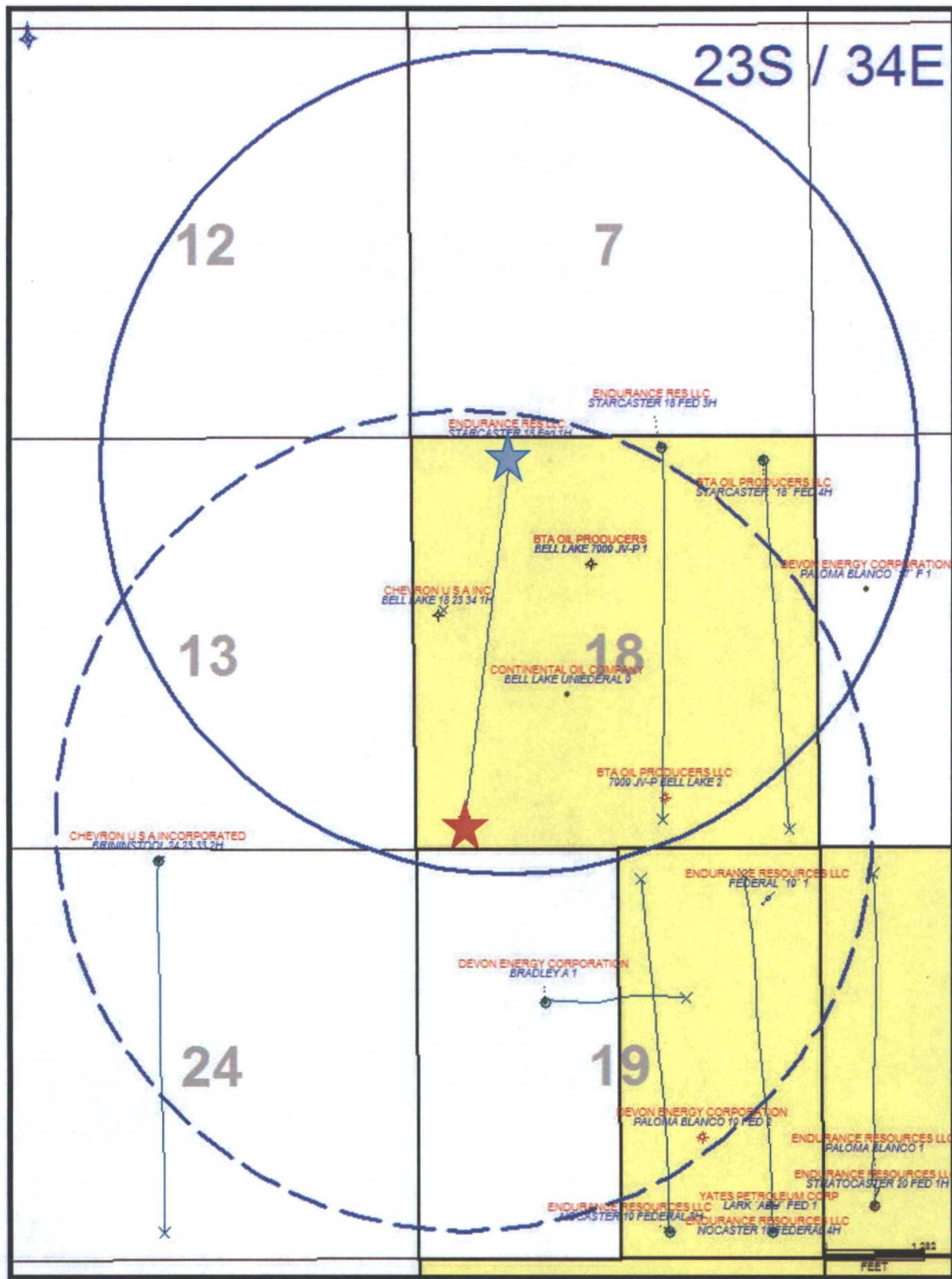




SHEET: 3-3

MADRON SURVEYING, INC. 201 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SURVEY NO. 2530

Starcaster 18 Federal 1H 1 Mile Radius Map



-  Surface Location
-  Bottom Hole Location
-  Surface 5280' Radius
-  Bottom Hole 5280' Radius