

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 2010**  
**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

<sup>1</sup> API Number <b>30-025</b>		<sup>2</sup> Pool Code <b>5130</b>		<sup>3</sup> Pool Name <b>Bell Lake; Bone Spring North</b>	
<sup>4</sup> Property Code <b>313567</b>		<sup>5</sup> Property Name <b>STARCASTER 18 FEDERAL Com</b>			<sup>6</sup> Well Number <b>1H</b>
<sup>7</sup> OGRID No. <b>270329</b>		<sup>8</sup> Operator Name <b>ENDURANCE RESOURCES, LLC</b>			<sup>9</sup> Elevation <b>3509.0</b>

<sup>10</sup> Surface Location

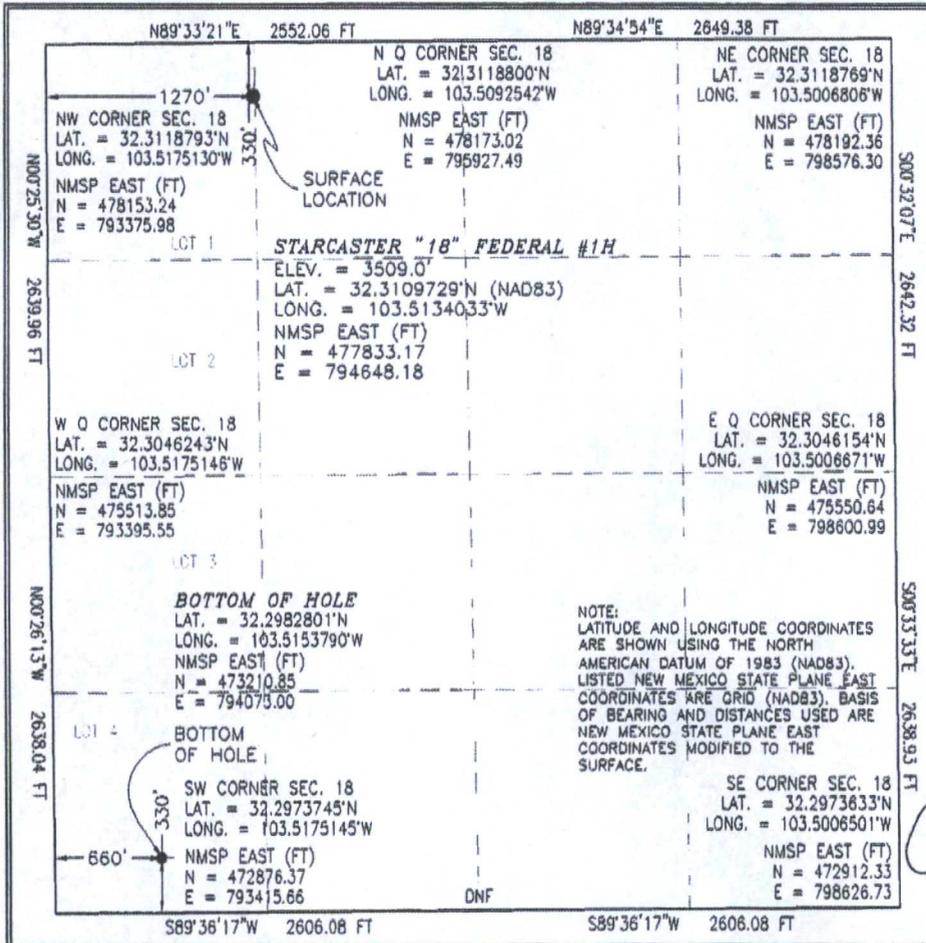
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	18	23 S	34 E		330	NORTH	1270	WEST	LEA

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres <b>160</b> <b>150.96</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.



**<sup>17</sup> 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.

**Renee Tilton** 1/25/2010  
Signature Date

**TINLEE TILTON**  
Printed Name

**tinlee@endurance**  
E-mail Address

**resourcesllc.com**  
E-mail Address

**<sup>18</sup> 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 2010  
Date of Survey

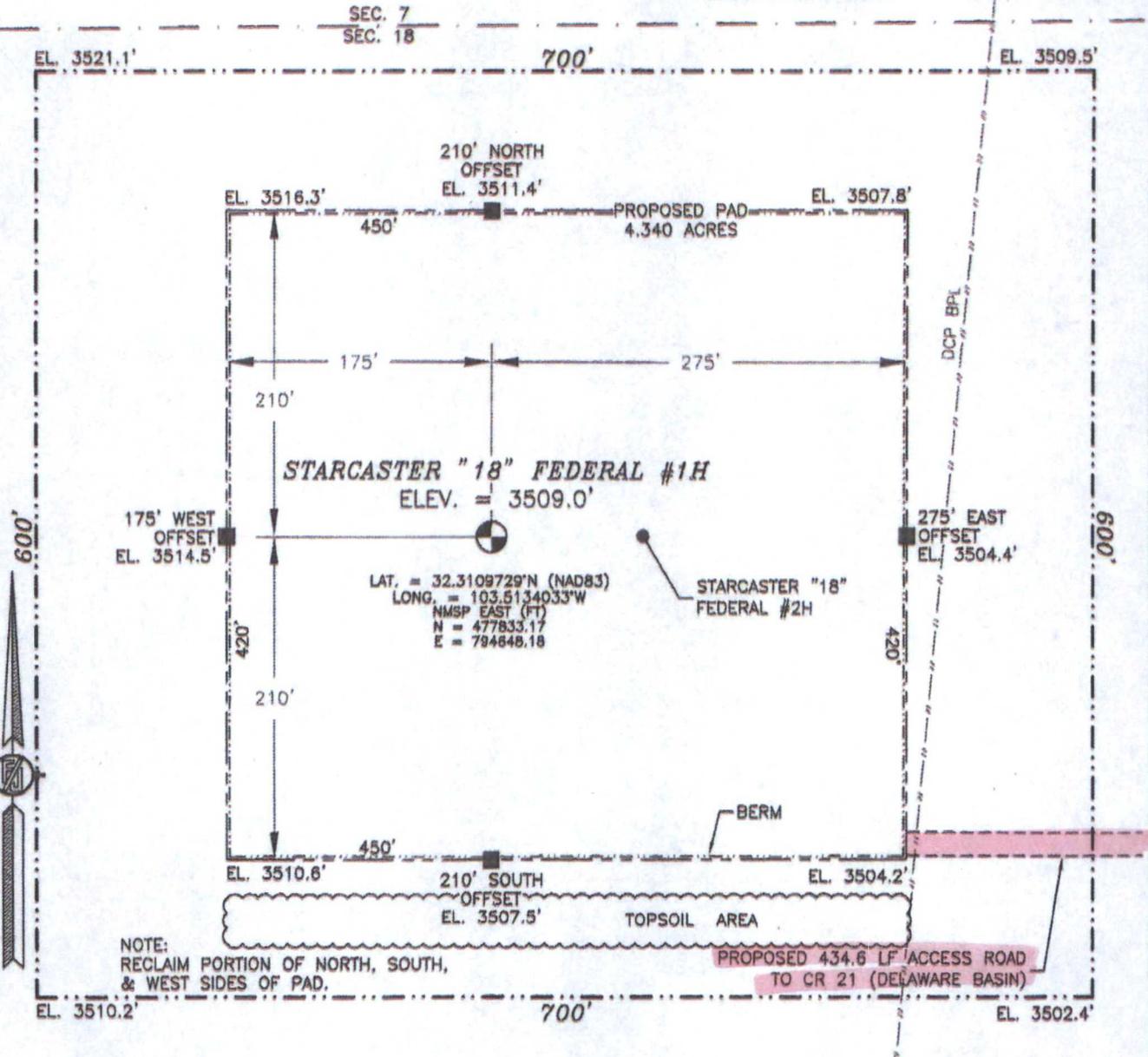
**12797**  
Certificate Number

**ENDURANCE RESOURCES, LLC**  
Signature and Seal of Registered Surveyor

Certificate Number FLEMING, FLANNERY, PLLC, PLS 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.



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.

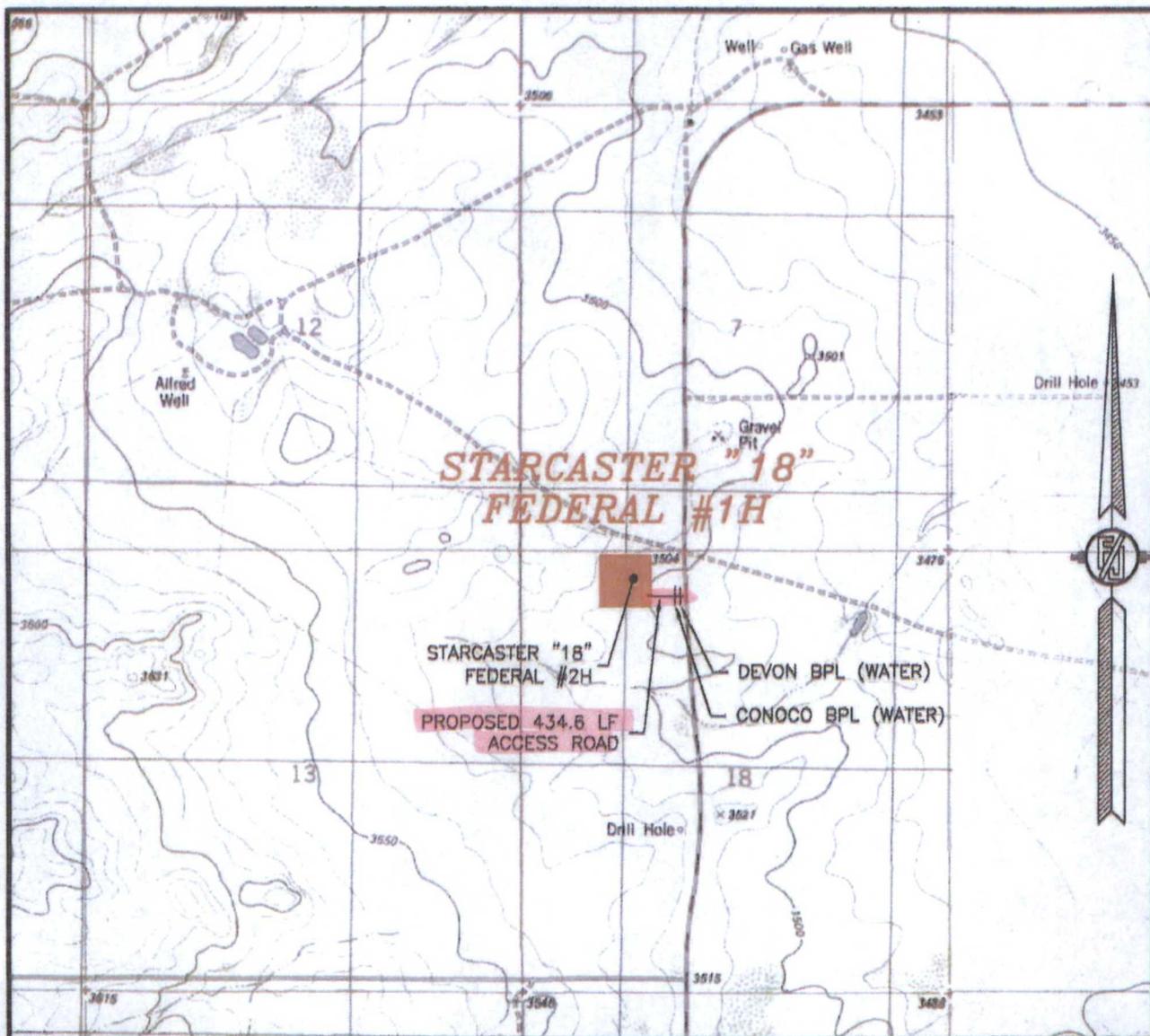
ENDURANCE RESOURCES, LLC  
**STARCASTER "18" FEDERAL #1H**  
 LOCATED 330 FT. FROM THE NORTH LINE  
 AND 1270 FT. FROM THE WEST LINE OF  
 SECTION 18, TOWNSHIP 23 SOUTH,  
 RANGE 34 EAST, N.M.P.M.  
 LEA COUNTY, STATE OF NEW MEXICO

NOVEMBER 21, 2013

SURVEY NO. 2441

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

SECTION 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

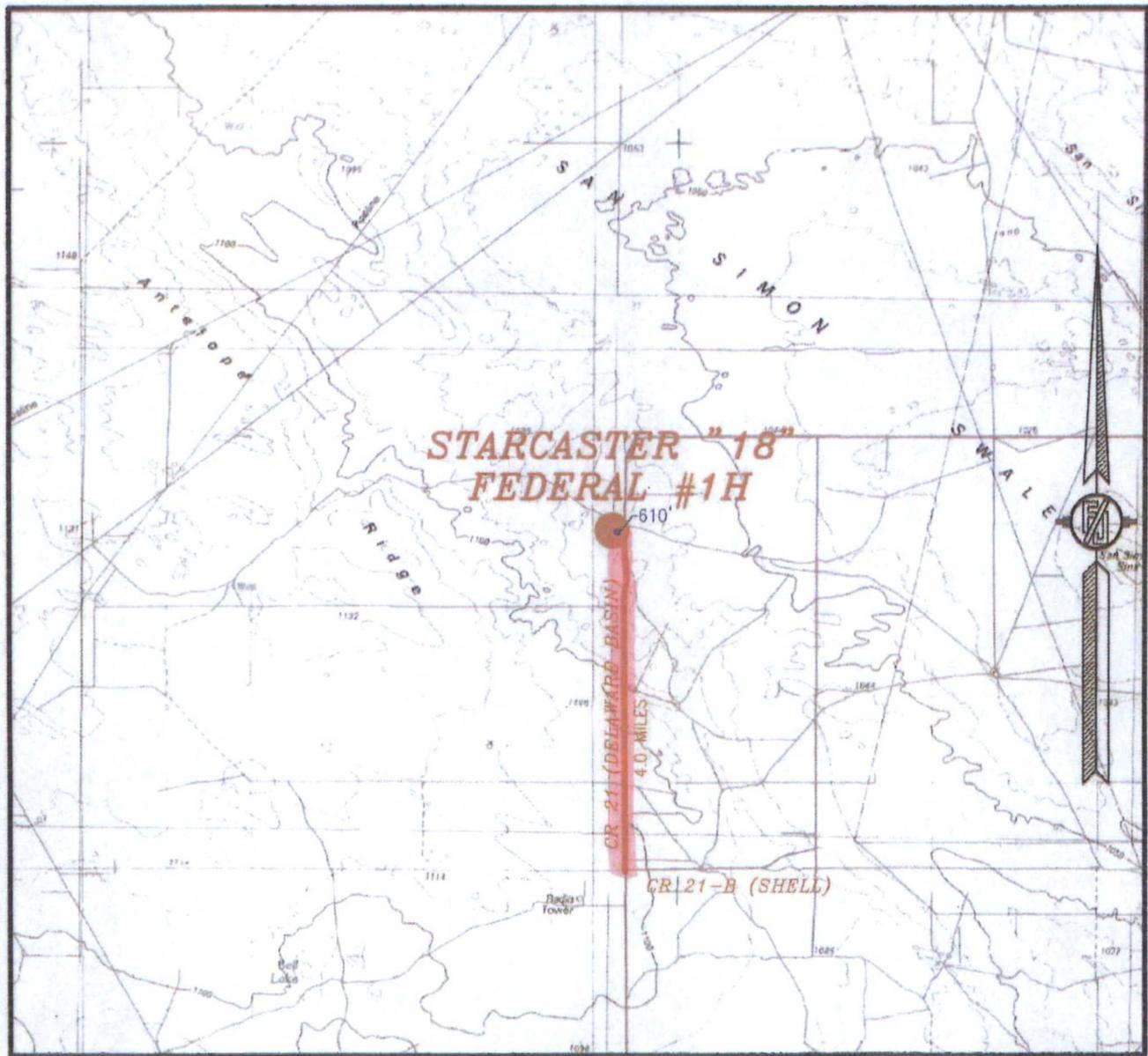
ENDURANCE RESOURCES, LLC  
STARCASTER "18" FEDERAL #1H  
LOCATED 330 FT. FROM THE NORTH LINE  
AND 1270 FT. FROM THE WEST LINE OF  
SECTION 18, TOWNSHIP 23 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

NOVEMBER 21, 2013

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  
VICINITY MAP



NOT TO SCALE

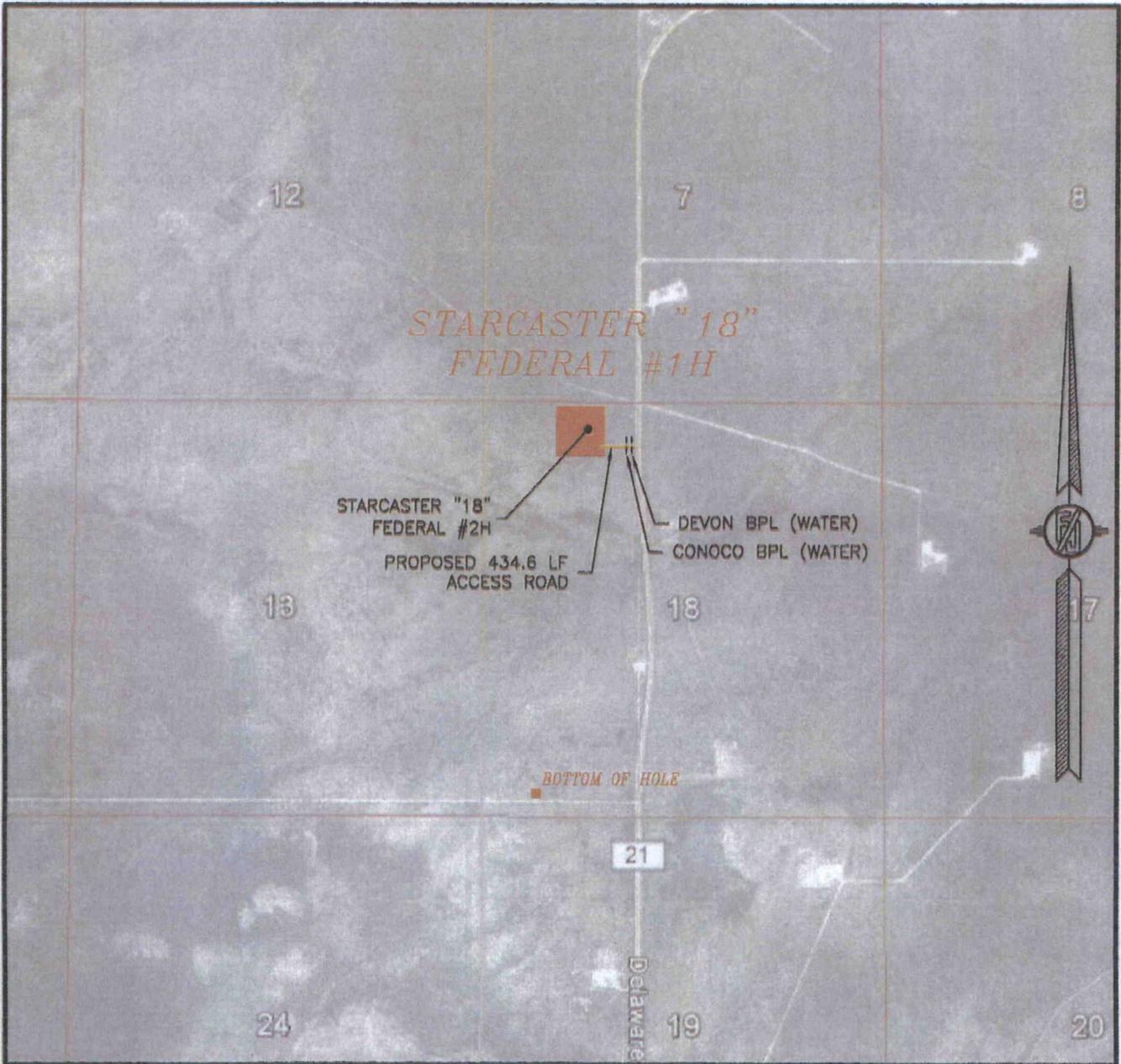
ENDURANCE RESOURCES, LLC  
STARCASTER "18" FEDERAL #1H  
LOCATED 330 FT. FROM THE NORTH LINE  
AND 1270 FT. FROM THE WEST LINE OF  
SECTION 18, TOWNSHIP 23 SOUTH,  
RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

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

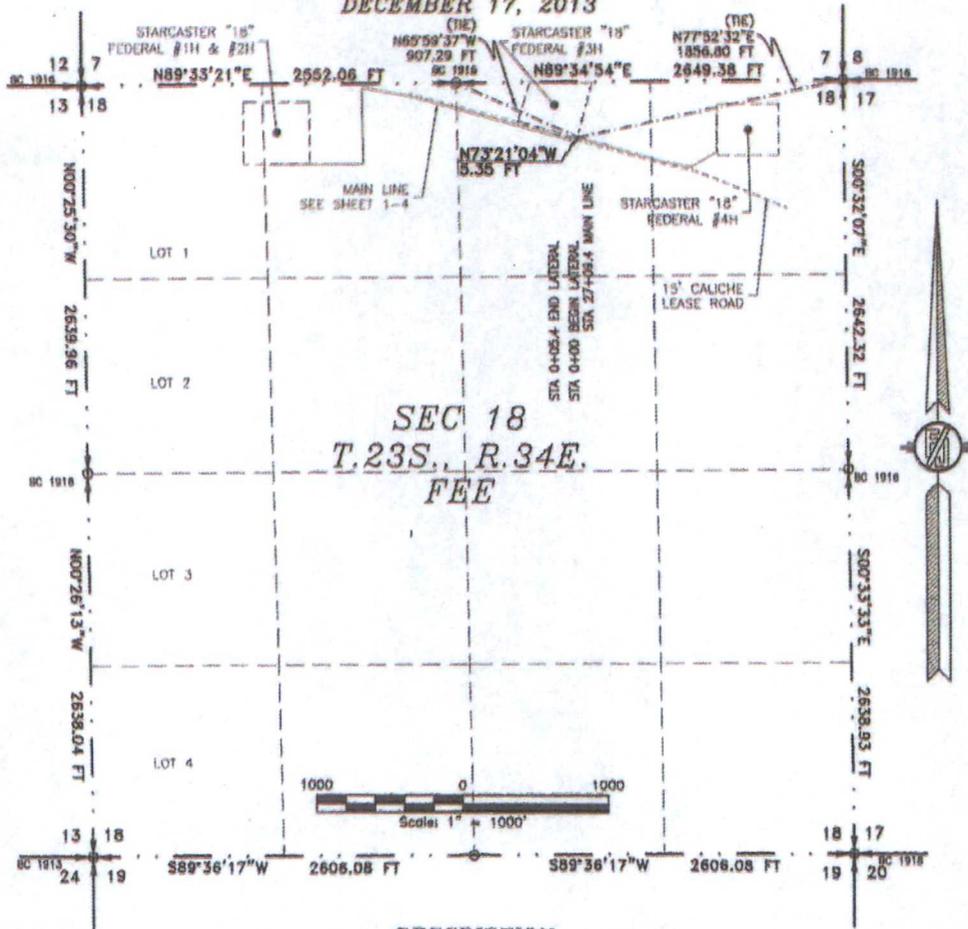
SURVEY NO. 2441

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 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\"/>

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 PLAN 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, PLS. 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 COORDINATES.

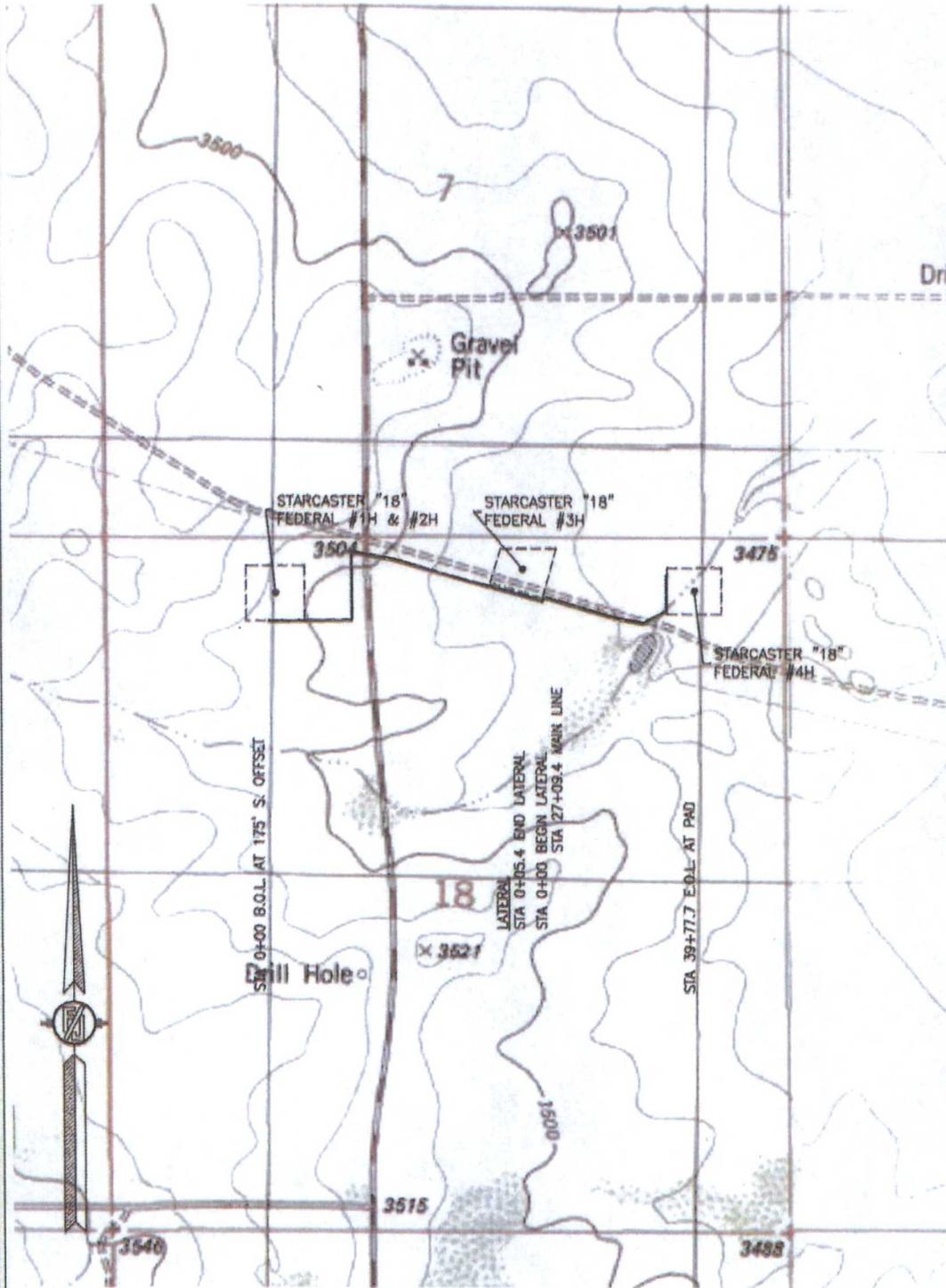
SHEET: 2-4 LATERAL

MADRON SURVEYING, INC. 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: 3-4

MADRON SURVEYING, INC.

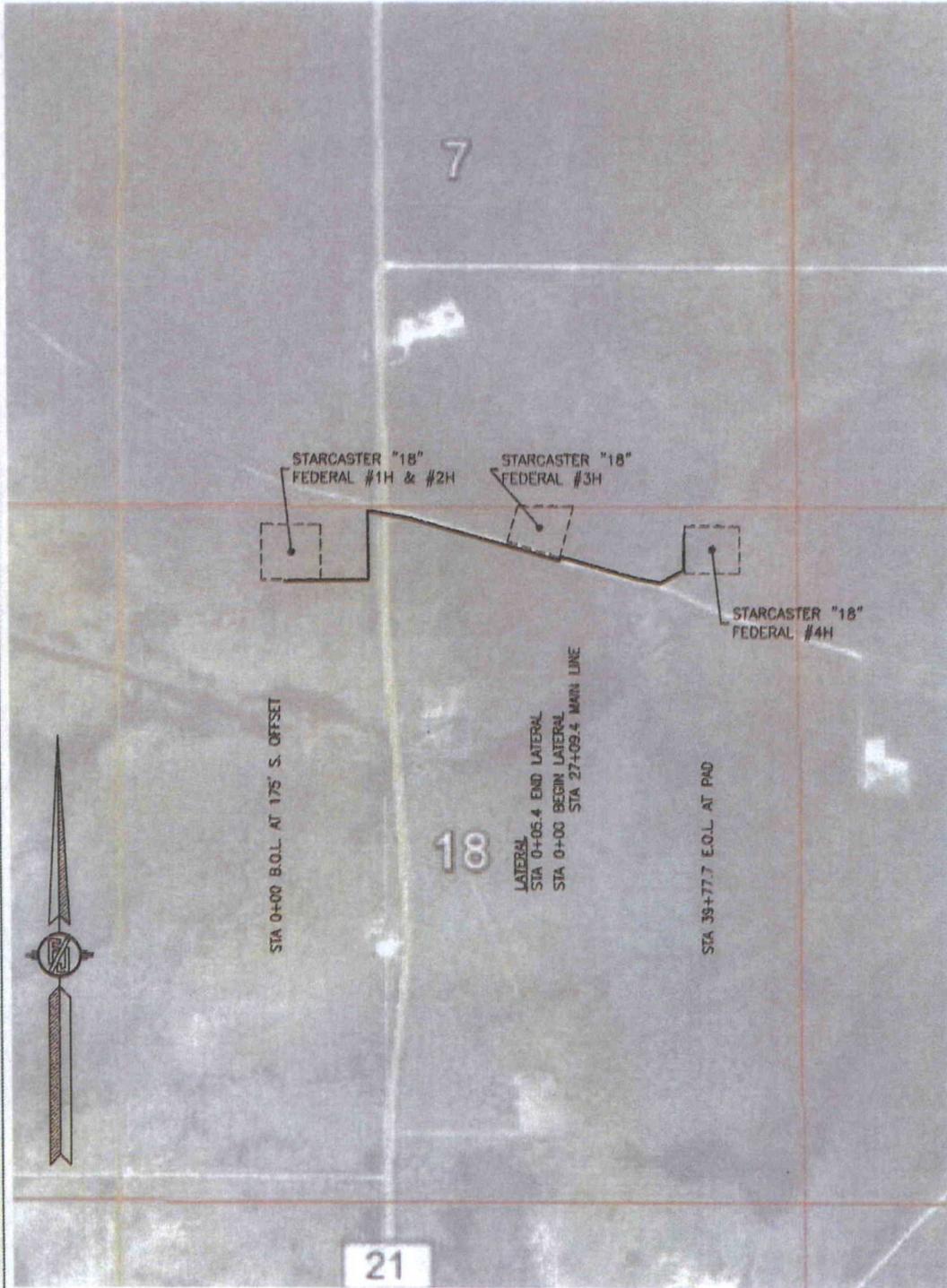
301 SOUTH CANAL  
(975) 234-3341

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



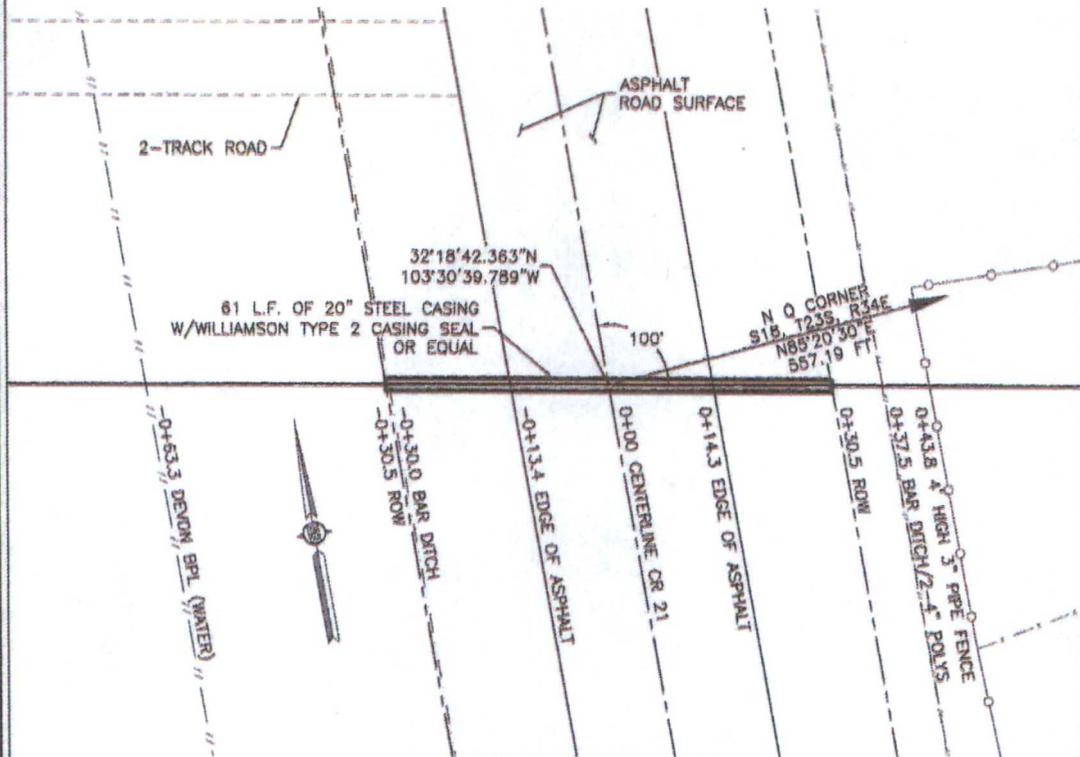
SHEET: 4-4

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO  
(978) 234-3341

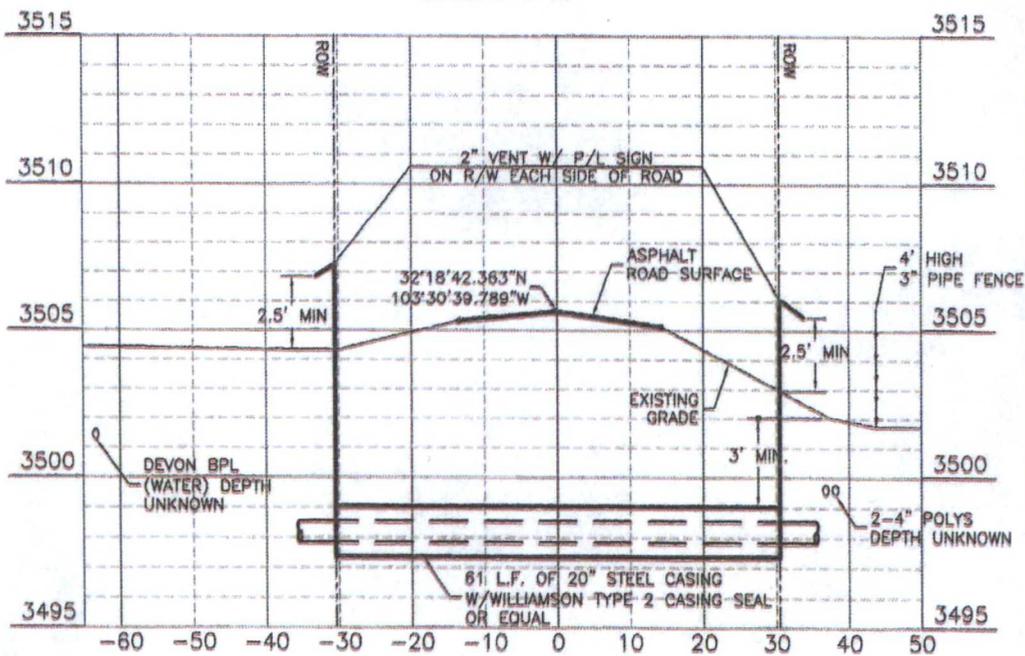
SURVEY NO. 2527

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

**ENDURANCE RESOURCES, LLC**  
 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



**PLAN VIEW**  
 SCALE: 1" = 20'



**PROFILE VIEW**  
 SCALE: 1" = 20' HOR.  
 1" = 5' VER

SHEET: 1-2

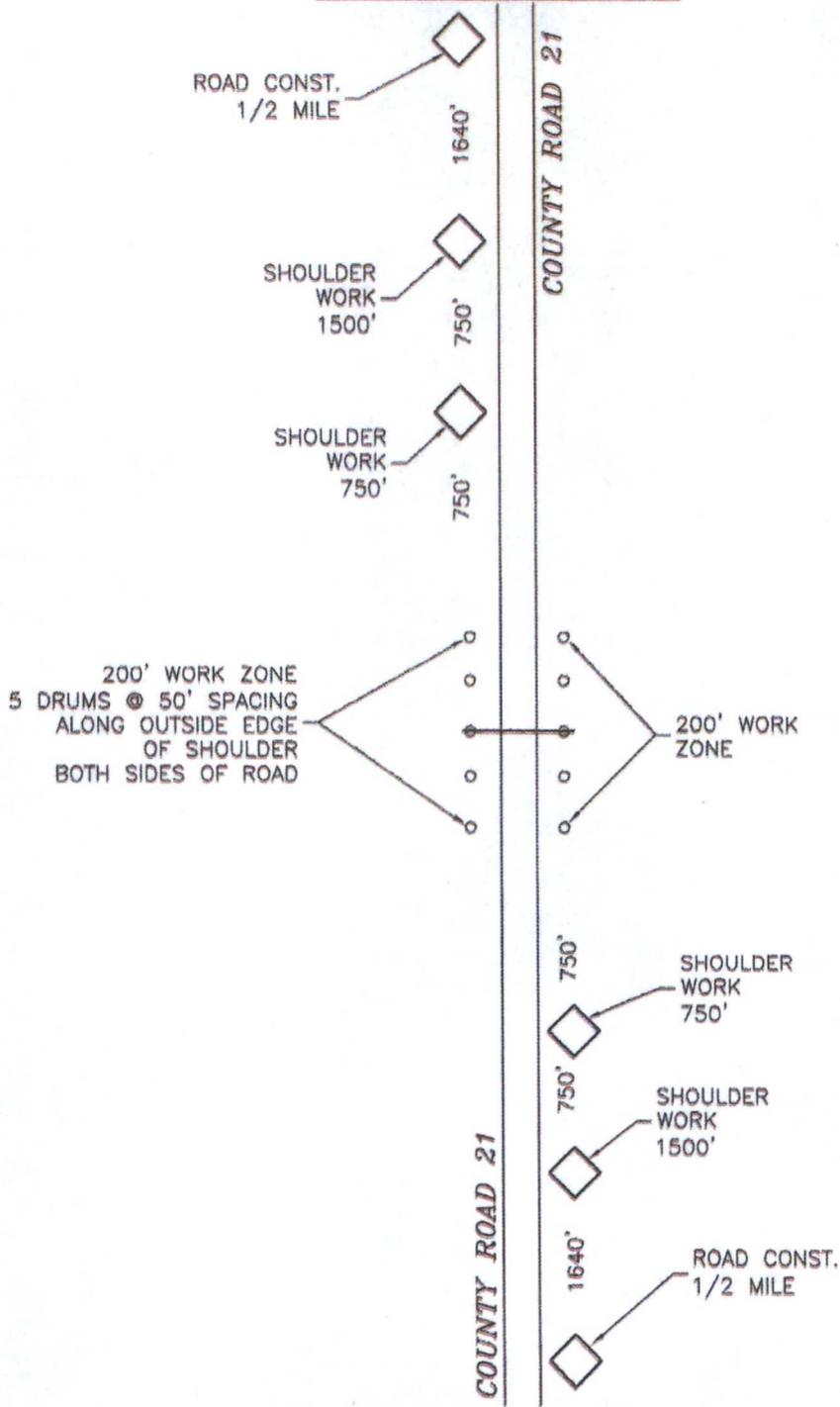
MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 967-5830 CARLSBAD, NEW MEXICO

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  
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

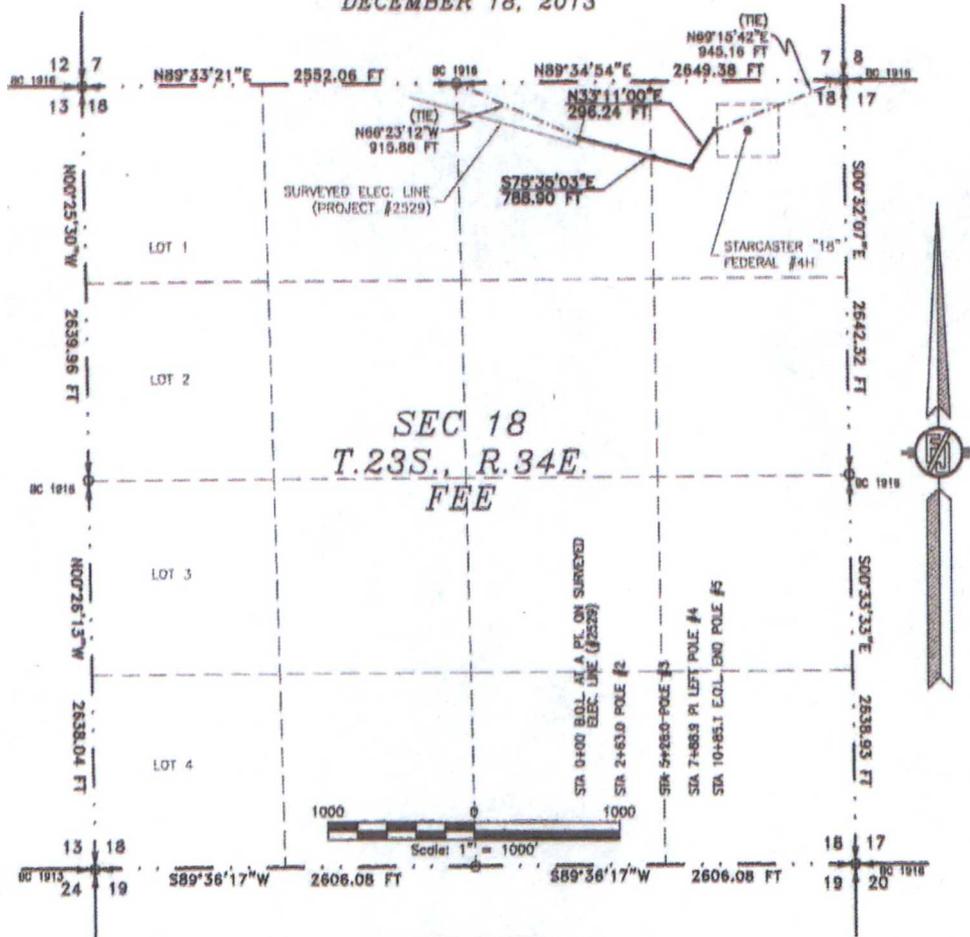
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO

SURVEY NO. 2527

(575) 897-5930

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 PLS. 12797  
 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 COORDINATES.

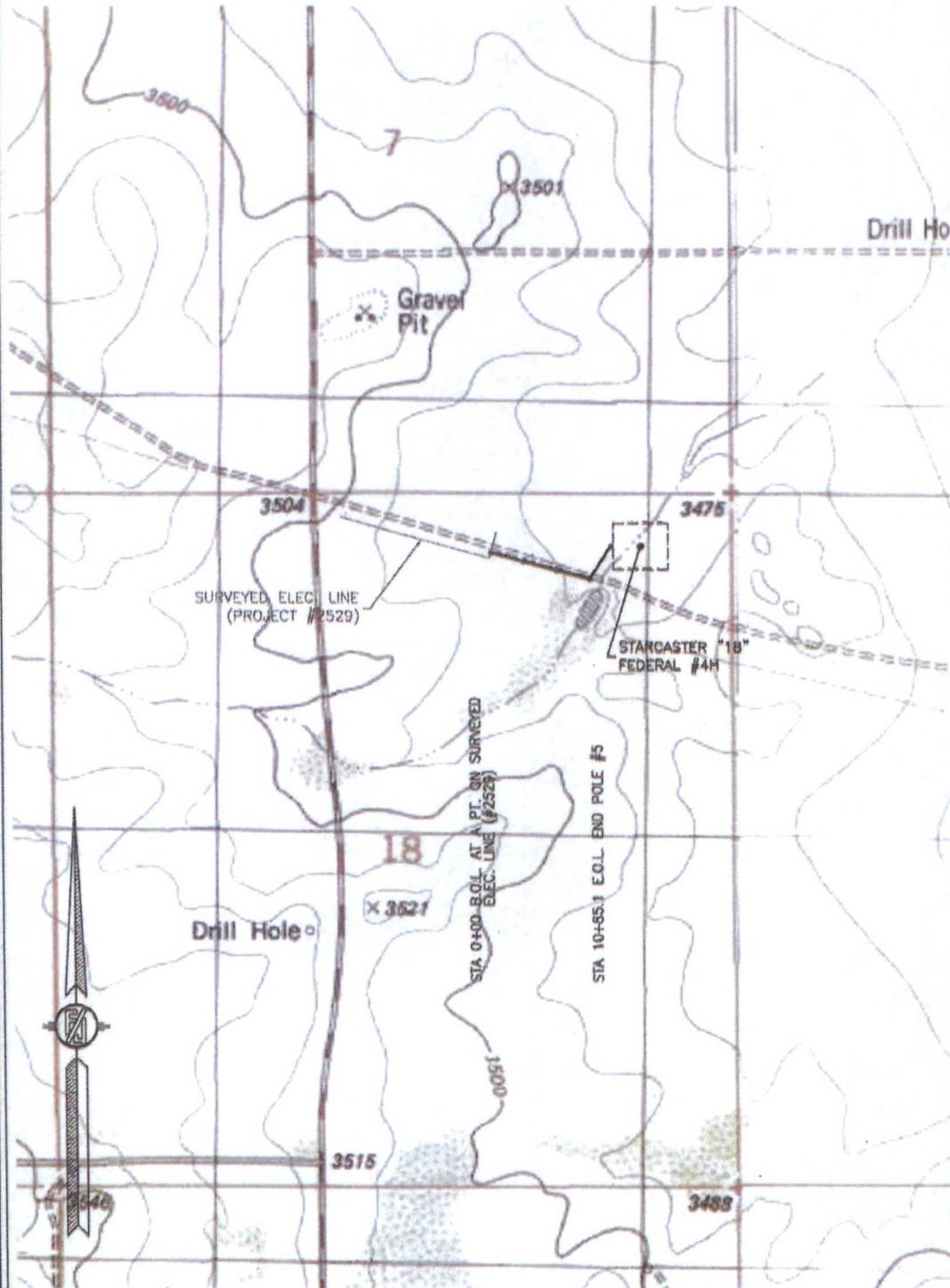
SHEET: 1-3

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SURVEY NO. 2530

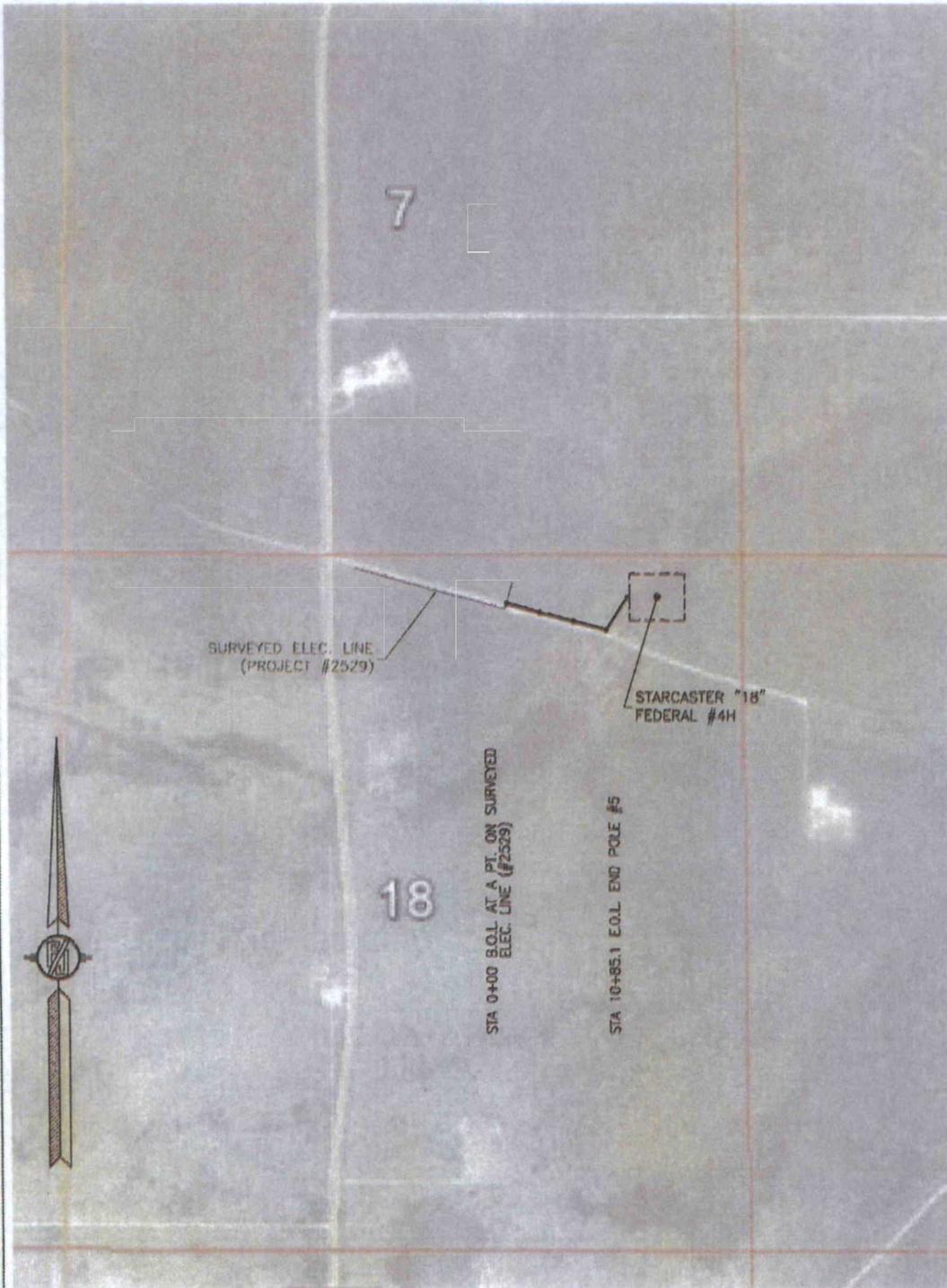
ELECTRIC LINE TO CONNECT THE STARCASTER "18" FEDERAL #4H TO AN  
EXISTING XCEL ENERGY 4 WIRE POWER LINE

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

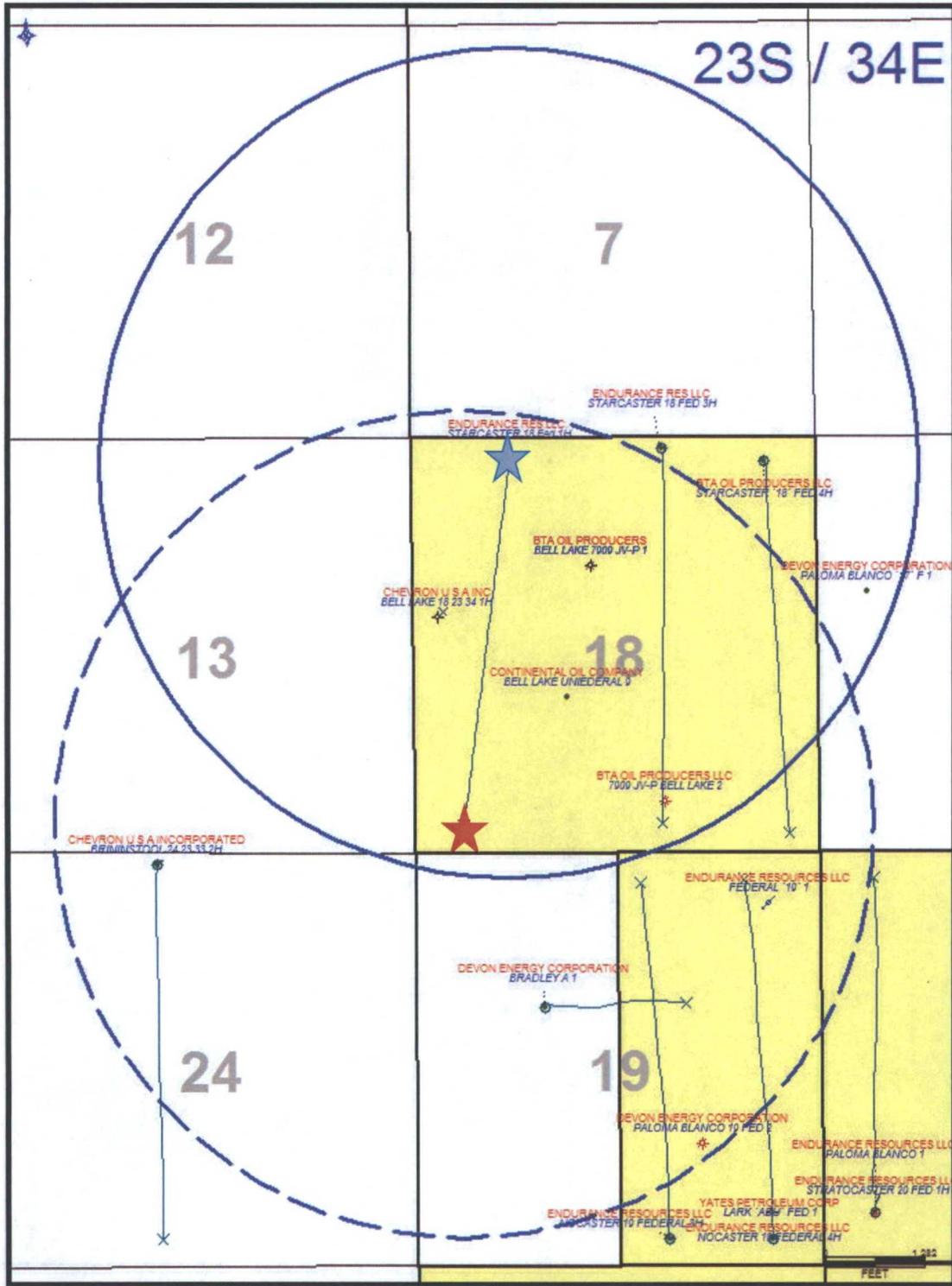


ELECTRIC LINE TO CONNECT THE STARCASTER "18" FEDERAL #4H TO AN  
EXISTING XCEL ENERGY 4 WIRE POWER LINE

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



# Starcaster 18 Federal 1H 1 Mile Radius Map



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