



30-025-41456

**ENDURANCE RESOURCES LLC**

**MULTIPOINT SURFACE USE AND OPERATIONS PLAN**

**TELECASTER 30 FED #4H**

**SHL: 330' FNL & 660' FEL**

**HOBBS OCD**

**BHL: 330' FSL & 660' FEL**

**SEP 27 2013**

**SEC 30-23S-34E**

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**LEA COUNTY, NM**

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above mentioned well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of surface disturbance involved and the procedures to be followed in rehabilitating the surface after the completion of operations, so that a complete appraisal can be made of the environment effect associated with these operations.

**Directions:**

From the intersection of State Highway 128 and CR 21 (Delaware Basin) go north on CR 21 approx. 5.1 miles. Go southeast on caliche road approx. 0.5 of a mile. Proposed location intersect middle of road.

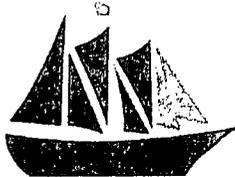
**1. Existing Roads:**

- The well site and elevation plat for the proposed well are reflected on the well site layout; Form C-102, page 1. This well was staked by Madron Surveying Inc. from Carlsbad, NM.
- Page 4 of the C-102 packet contains is a Vicinity map showing the well and roads in the vicinity of the proposed location. The proposed well site and the access route are labeled in orange & blue. The proposed well site and the access route to location are indicated on the Site map (page 2) of C-102 packet. ROW using this existing route is being requested if necessary.
- Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

**2. Planned Access Road:**

- Endurance Resources LLC will be using the existing access road that runs through the proposed Telecaster 30-4H location (15' wide) to the Stratocaster 20 Fed 1H (formally Paloma Blanco 20 Fed #1) location. This 420'x350' location will also act as an access road to the existing wells to the east by way of staying on the south side of location. This should provide a 160' of clearance from the proposed wellhead location. See page 2 of the C-102 packet (Site Map) for more details.

**OCT 22 2013**



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- This existing road will be rebladed & caliche will be placed into existing holes which will be watered and compacted to prevent surface erosion. The average grade will be approx. 1%. Surface material will be of native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location.
- No cattle guards, gates, or fence cuts will be required. No turnouts are planned.

### **3. Location of Existing Wells:**

- A one mile radius map shows all existing/proposed wells within a one-mile radius of the proposed location. See attached radius plat for more details. Endurance Resources LLC is willing to work with outside operators (ex Caza Operating) to allow access to their new drill wells in Sec 29-23S-34E through Endurance's existing access road. This will allow less of a surface disturbance on federal, state, & private lands in this area. This option was discussed with Trish Badbear during the onsite.

### **4. Location of Existing and/or Proposed Facilities:**

- This location will require "cut & fill" from the north to the south. Well site will be constructed by way of a 350'x420' pad. Topsoil pile will be placed on the north side of location. V-door will be facing west. Endurance Resources LLC will berm entire location per Trish Badbear's request.
- In the event this well is found productive, a tank battery will be constructed with (4) 500 bbl oil tanks, (2) 500 bbl water tanks, a separator, a heater treater, a free water knockout, and a gas sales meter on this site. Necessary production equipment is subject to change once offsetting horizontal production is analyzed. Tank battery equipment will be placed on the east side of location, while treating facility equipment will be placed on the north side of location. Note: a distance of 100' is required between fired vessels and any combustibles for safety purposes. This battery will potential handle three more additional horizontal wells if area is successful.
- All flow lines will adhere to API standards. Working on ROW for gas takeaway.
- Power will be supplied by way of existing electrical line running from CR-21 along the existing road into the Stratocaster 20 Fed 1H (formally Paloma Blanco 20 Fed #1) location. This is an Endurance owned power line. Endurance Resources' electric line will need to be re-routed along the south portion of the proposed Telecaster 30 Fed 4H location & tied back into the existing power line that follows the access road. See attached plat labeled "Re-route of an electrical line around the Telecaster 30 Fed #4H" for more information. ROW for this re-route is being requested.
- The original topsoil from the well site will be returned to the location. The drill site will then be contoured as close as possible to the original state.

### **5. Location and Types of Water Supply:**

- This location will be drilled using a combination of water mud systems (outlined in the Drilling program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using existing roads. On occasion, water will be obtained from a pre-existing water well, running a pump directly to the drilling rig. In these cases where a poly line is used to transport water for drilling or completion purposes, the existing and proposed road into location will be utilized.



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## Operators Representative:

Endurance Resources LLC representatives responsible for ensuring compliance of the surface use plan are listed below.

Kale Jackson

Sr Completions Engineer

Endurance Resources LLC

11382 Lovington Highway

Artesia, NM 88211

575.914.3355

Manny Sirgo

VP Operations

Endurance Resources LLC

203 W. Wall St, Suite 1212

Midland, TX 79701

432.413.0085

## Certification:

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in the APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

6/11/13

Date

Kale Jackson

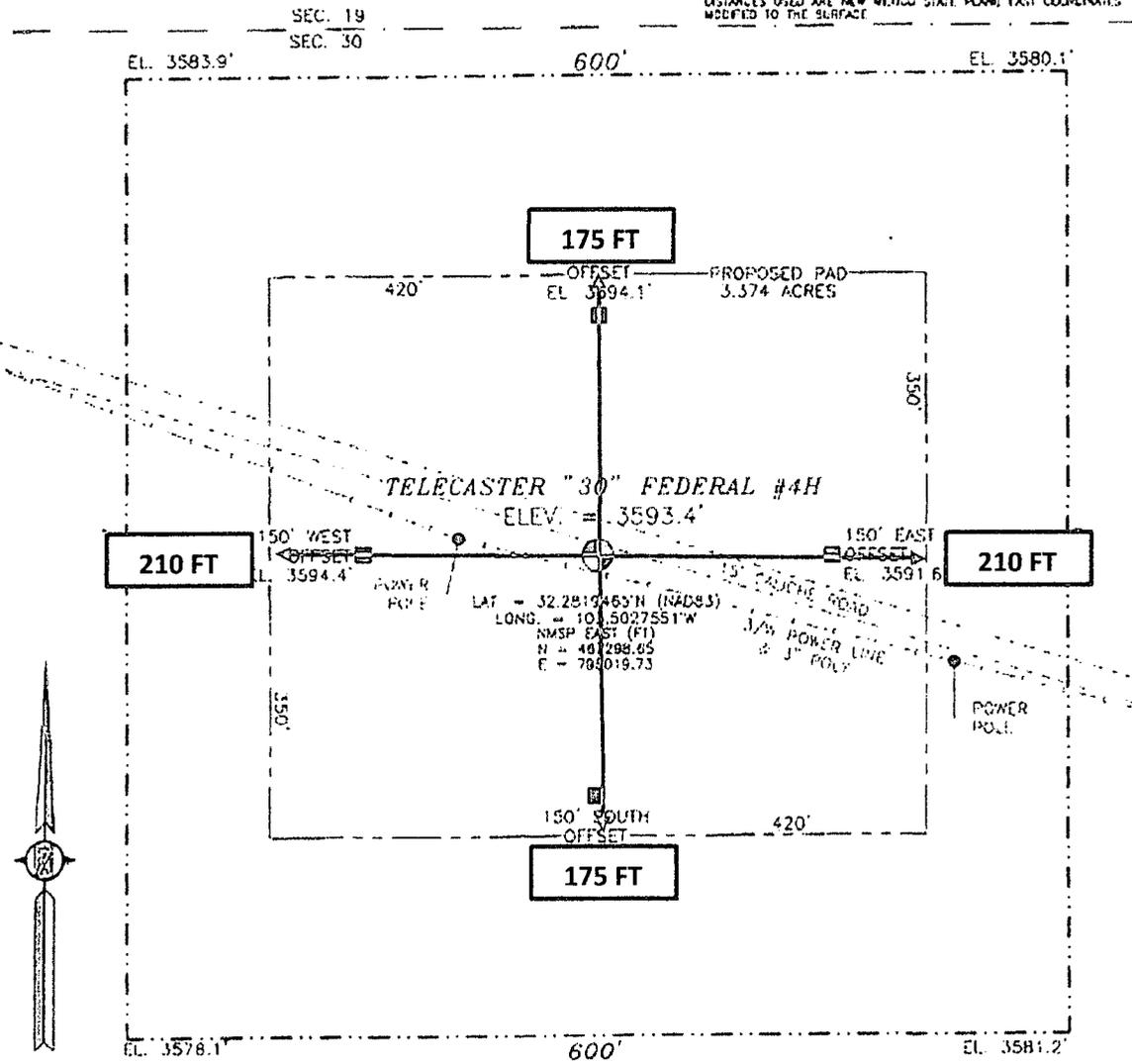
Sr Completions Engineer

Endurance Resources LLC

[kale@enduranceresourcesllc.com](mailto:kale@enduranceresourcesllc.com)

SECTION 30, 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.



LAT = 32.2819463°N (NAD83)  
 LONG = 101.5027551°W  
 NMSP EAST (FT)  
 N = 401298.65  
 E = 708019.73

010 50 100 200  
 SCALE 1" = 100'

DIRECTIONS TO LOCATION  
 FROM THE INTERSECTION OF STATE HIGHWAY 128 AND CR 21  
 (DELAWARE BASIN) GO NORTH ON CR 21 FOR APPROX. 5.1 MILES  
 GO SOUTHEAST ON CALZADIE ROAD APPROX. 0.2 OF A MILE. LOCATION  
 IS SPIKE NAIL IN MIDDLE OF ROAD.

ENDURANCE RESOURCES, LLC  
**TELECASTER "30" FEDERAL #4H**  
 LOCATED 330 FT. FROM THE NORTH LINE  
 AND 660 FT. FROM THE EAST LINE OF  
 SECTION 30, TOWNSHIP 23 SOUTH,  
 RANGE 34 EAST, N.M.P.M.  
 LEA COUNTY, STATE OF NEW MEXICO

APRIL 26, 2013

SURVEY NO. 1804

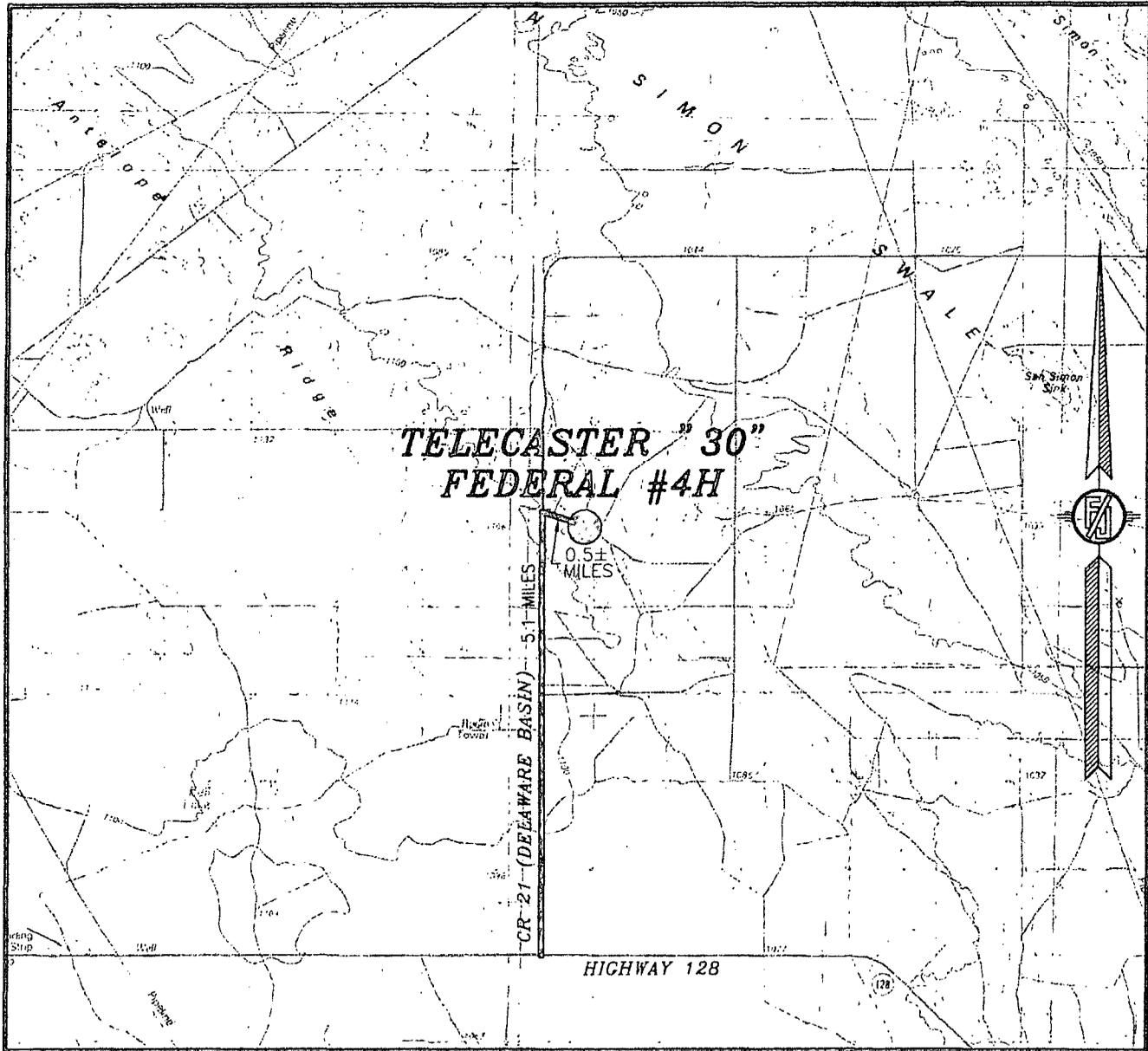
MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

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SECTION 30, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.  
 LEA COUNTY, STATE OF NEW MEXICO  
 VICINITY MAP



NOT TO SCALE

ENDURANCE RESOURCES, LLC  
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 LEA COUNTY, STATE OF NEW MEXICO

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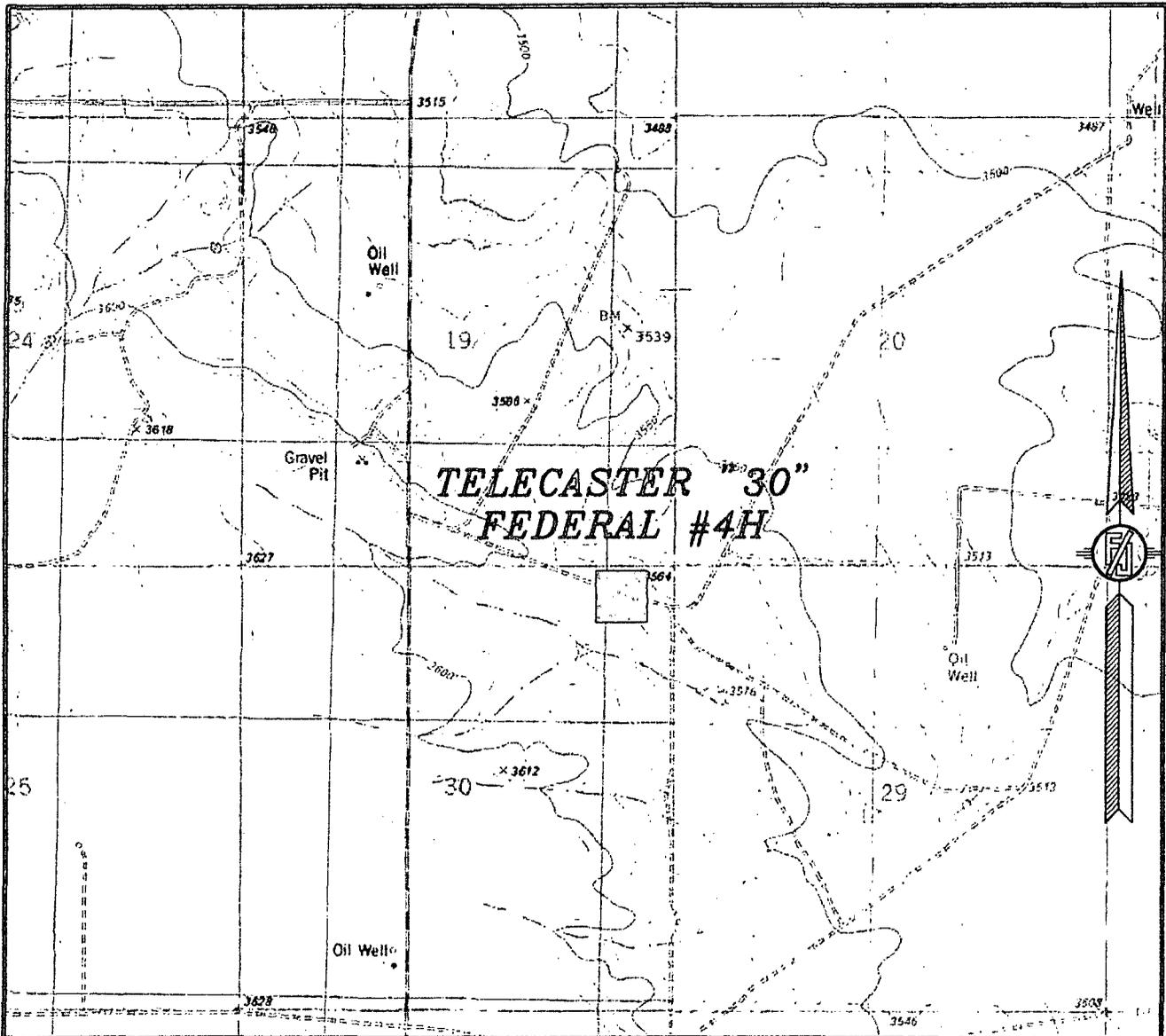
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MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 30, 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  
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 LOCATED 330 FT. FROM THE NORTH LINE  
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 LEA COUNTY, STATE OF NEW MEXICO

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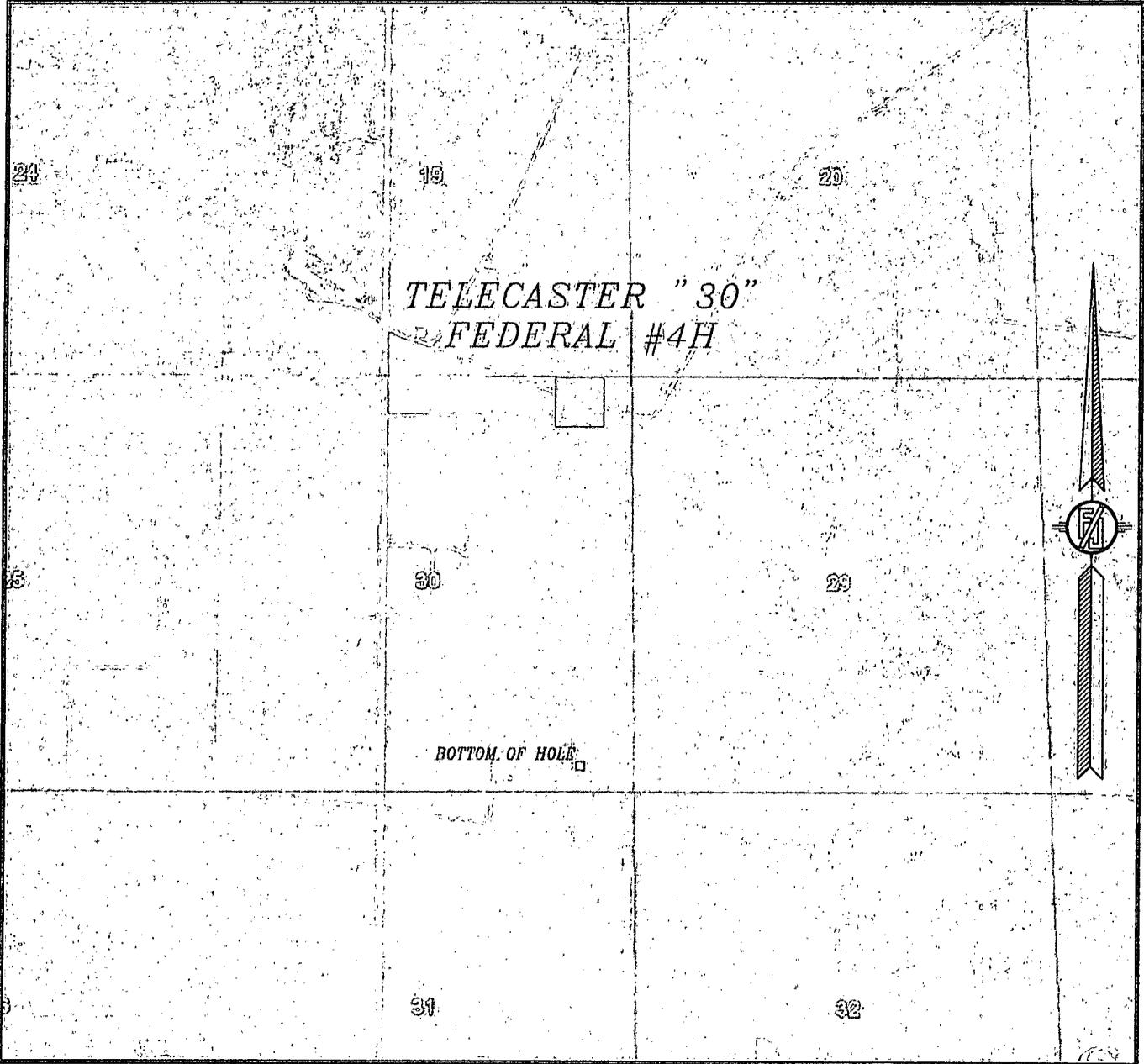
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SECTION 30, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
AERIAL PHOTO



NOT TO SCALE  
AERIAL PHOTO:  
GOOGLE EARTH  
MARCH 2012

ENDURANCE RESOURCES, LLC  
TELECASTER "30" FEDERAL #4H  
LOCATED 330 FT. FROM THE NORTH LINE  
AND 660 FT. FROM THE EAST LINE OF  
SECTION 30, TOWNSHIP 23 SOUTH,  
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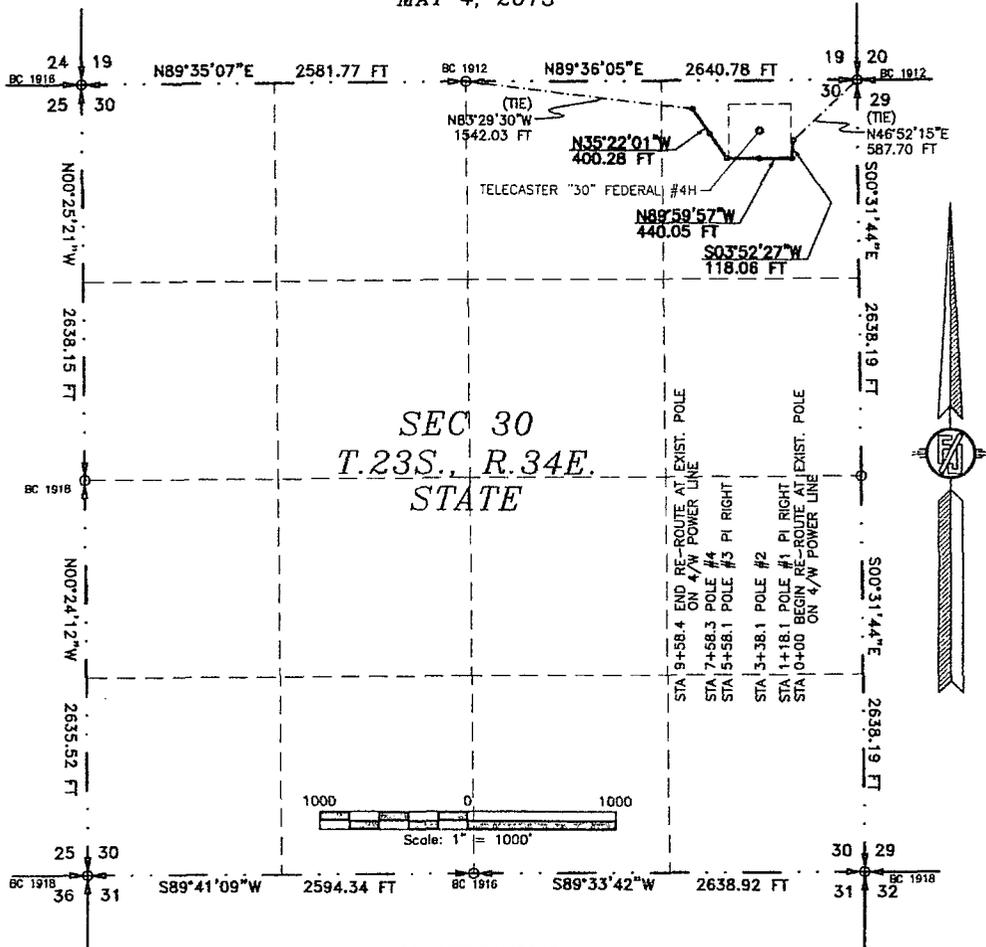
SURVEY NO. 1804

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



RE-ROUTE OF AN ELECTRIC LINE AROUND THE  
TELECASTER "30" FEDERAL #4H

ENDURANCE RESOURCES, LLC  
CENTERLINE SURVEY OF AN ELECTRIC LINE CROSSING  
SECTION 30, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
MAY 4, 2013



DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 30, 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 NE/4 OF SAID SECTION 30, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M., WHENCE THE NORTHEAST CORNER OF SAID SECTION 30, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N46°52'15"E, A DISTANCE OF 587.70 FEET;

THENCE S03°52'27"W A DISTANCE OF 118.06 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE N89°59'57"W A DISTANCE OF 440.05 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE N35°22'01"W A DISTANCE OF 400.28 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 30, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M. BEARS N83°29'30"W, A DISTANCE OF 1542.03 FEET;

SAID STRIP OF LAND BEING 958.39 FEET OR 58.08 RODS IN LENGTH, CONTAINING 0.660 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NE/4 958.39 L.F. 58.08 RODS 0.660 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 10 DAY OF MAY 2013

FILMON F. JARAMILLO, REG. SURVEYOR NO. 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: 1-3

MADRON SURVEYING, INC.

301 SOUTH CANAL  
(575) 234-3341

CARLSBAD, NEW MEXICO

SURVEY NO. 1800

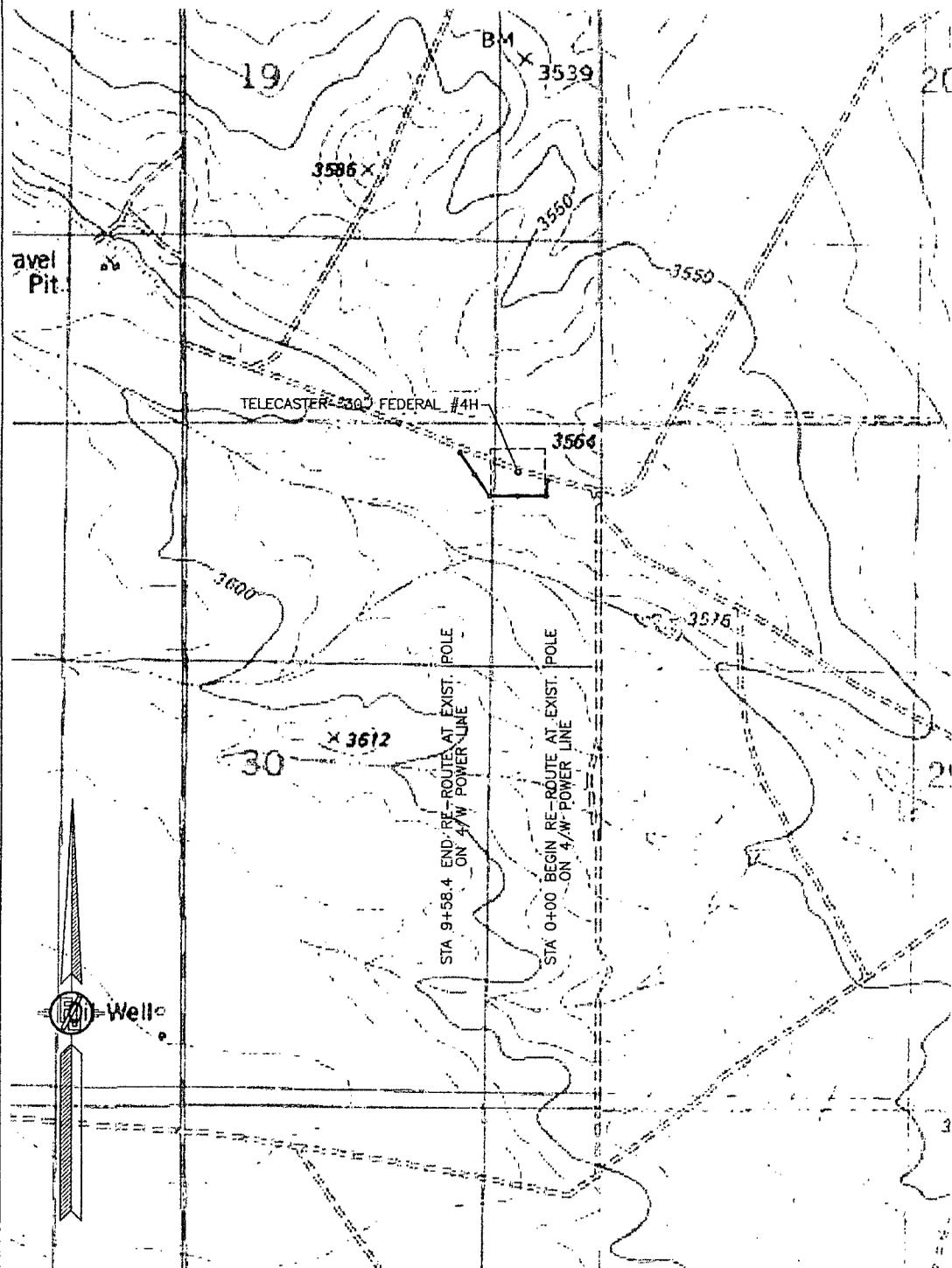
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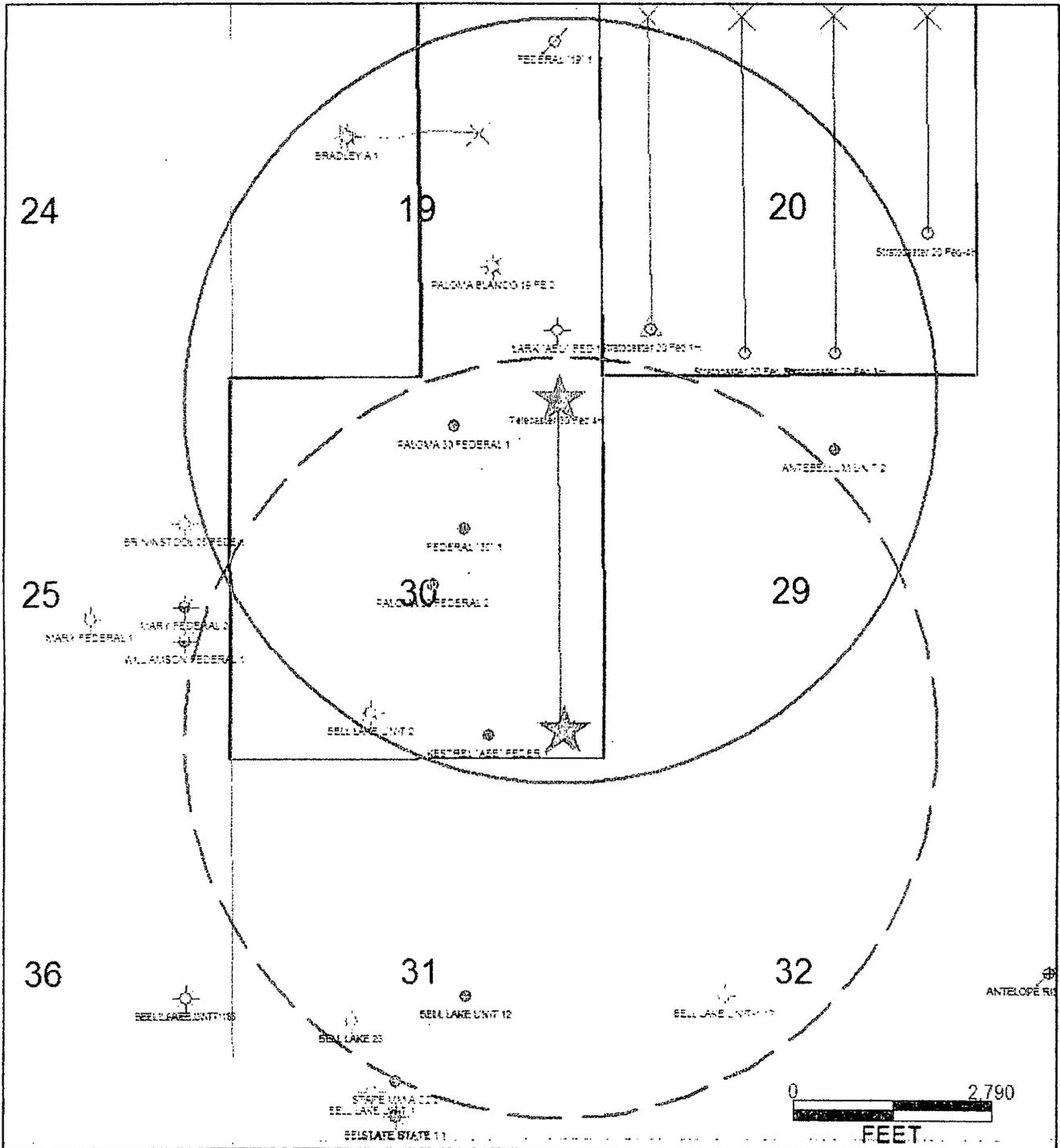
RE-ROUTE OF AN ELECTRIC LINE AROUND THE  
TELECASTER "30" FEDERAL #4H

ENDURANCE RESOURCES, LLC  
CENTERLINE SURVEY OF AN ELECTRIC LINE CROSSING  
SECTION 30, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
MAY 4, 2013



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# Telecaster 30-4H



Surface Location

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Bottom Hole Location

SEP 27 2013



Surface 5280' Radius

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Bottom Hole 5280' Radius