

1. Existing Roads: Area maps, Exhibit "A" shows the proposed well site as staked. Exhibit "B" is a reproduction of Eddy Co. General Highway Map. Exhibit "C" is a reproduction of a USGS Topographic Map, and Exhibit "C-1" is a well site layout map, showing proposed road to location and existing road. Existing road shown on Exhibits "C," "C-1," will be maintained in a condition equal to or better than current conditions.

- A. The maximum width of the driving surface will be 15.' The road will be crowned and ditched with a 2% slope from the tip of the crown to the edge of the driving surface. The ditches will be 1' deep with 3:1 slopes. The driving surface will be made of 6" rolled and compacted caliche.
- B. From MM 19 of Hwy 128 go NE 5.6 miles to lease road, on lease road go NW 1.4 miles to lease road on lease road go 2.7 miles to lease road on lease road go east 0.7 miles to proposed location.

2. Planned Access Roads: No new access road needed.

Planned Electric Line: Approximately 30' of 3 phase 4 wire electric will be constructed to connect to existing e-line along access road going from the Thyme APY Federal 4 to the Thyme APY Federal 1 tank battery. Line will be 1 span with a 40' pole built to BLM Raptor specs.

3. Location of Existing Wells in a One-Mile Radius - Exhibit A

- A. Water wells - None known
- B. Disposal wells - None known
- C. Drilling wells - None known
- D. Producing wells - As shown on Exhibits "A"
- E. Abandoned wells - As shown on Exhibits "A"

4. Location of Proposed Production Facilities:

If on completion this well is a producer, the tank battery will be used at the Thyme APY Federal 1 and the necessary production equipment will be installed at the wellsite. Any changes to the facilities or off-site facilities will be accompanied by a Sundry Notice. Two (2) 4" buried HP poly lines, approximately 480' each, down existing lease road to carry oil, gas, water to the Thyme APY Fed 1 tank battery. Allocation will be based on well test. MAOP 1500 psi anticipated working pressure 200-300 psi. Gas lift will be provided by HP poly line buried in the same trench along access road to Thyme APY Federal 1 tank battery.

5. Location and Type of Water Supply:

Water will be purchased locally from a commercial source and trucked over the access roads.

6. Source of Construction Material:

If possible, native caliche will be obtained from the excavation of drill site. The primary way of obtaining caliche will be by "turning over" the location. This means caliche will be obtained from the actual well site. A caliche permit will be obtained from BLM prior to pushing up any caliche. 2400 cu yds is the max amount of caliche needed for pad and roads. Amount will vary for each pad. The procedure below has been approved by BLM personnel:

- A. The top 6 inches of topsoil is pushed off and stockpiled along the side of the location.
- B. An approximate 120' x 120' area is used within the proposed well site to remove caliche.
- C. Subsoil is removed and piled alongside the 120' by 120' area within the pad site.
- D. When caliche is found, material will be stockpiled within the pad site to build the location and road.
- E. Then subsoil is pushed back in the hole and caliche is spread accordingly across entire location and road.
- F. Once well is drilled, the stockpiled top soil will be used for interim reclamation and spread along areas where caliche is picked up and the location size is reduced. Neither caliche nor subsoil will be stockpiled outside of the well pad. Topsoil will be stockpiled along the edge of the pad as depicted in Exhibit D – Rig Layout Diagram.

In the event that no caliche is found onsite, caliche will be hauled in from a BLM-approved caliche pit.

Surface Use Plan
Thyme APY Federal 8
Cimarex Energy Co. of Colorado
Lot 2, Section 1
T23S-R32E; Lea County, NM

7. Ancillary Facilities:

- A. No camps or airstrips to be constructed.

8. Well Site Layout:

- A. Exhibit "D" shows location and rig layout.
- C. Mud pits in the closed circulating system will be steel pits and the cuttings will be stored in steel containment pits.
- D. Cuttings will be stored in steel pits until they are hauled to a state-approved disposal facility.
- E. If the well is a producer, those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

9. Plans for Restoration of Surface:

Rehabilitation of the location will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

In areas planned for interim and final reclamation, surfacing materials will be removed and returned to a mineral pit or recycled to repair or build roads and well pads.

Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be recountoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, those areas of the location not essential to production facilities and operations will be reclaimed and seeded per BLM requirements. Please see Production Facilities Layout Diagram, exhibit D-1.

10 Methods of Handling Waste

- A. Drilling fluids, produced oil, and water from the well during drilling and completion operations will be stored safely and disposed of properly in a NMOCD approved disposal facility.
- B. Garbage and trash produced during drilling and completion operations will be collected in a trash container and disposed of properly at a state approved disposal facility. All trash on and around well site will be collected for disposal.
- C. Human waste and grey water will be properly contained and disposed of properly at a state approved disposal site.
- D. After drilling and completion operations, trash, chemicals, salts, frac sand and other waste will be removed and disposed of properly at a state approved disposal site.
- E. The well will be drilled utilizing a closed loop system. Drill cuttings will be properly disposed of into steel tanks and taken to an NMOCD approved disposal facility.

11 Other Information

- A. Topography consists of a sloping plane with loose tan sands. Vegetation is mainly yucca, mesquite and shin oak.
- B. The wellsite is on surface owned by Department of the Interior, Bureau of Land Management. The land is used mainly for farming, cattle ranching, recreational use, and oil and gas production.
- C. In lieu of an archaeological survey report, Cimarex will be submitting an MOA application for this well pad and access road since they are within the MOA boundary.
- D. There are no know dwellings within 1½ miles of this location.

Operator Certification Statement
Thyme APY Federal 8
Cimarex Energy Co. of Colorado
Lot 2, Section 1
T23S-R32E; Lea County, NM

Operator's Representative

Cimarex Energy Co. of Colorado
600 N. Marienfeld St., Ste. 600
Midland, TX 79701
Office Phone: (432) 571-7800

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 this 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.

Executed this 31st day of October, 2012

NAME: 
Paula Brunson

TITLE: Regulatory Analyst

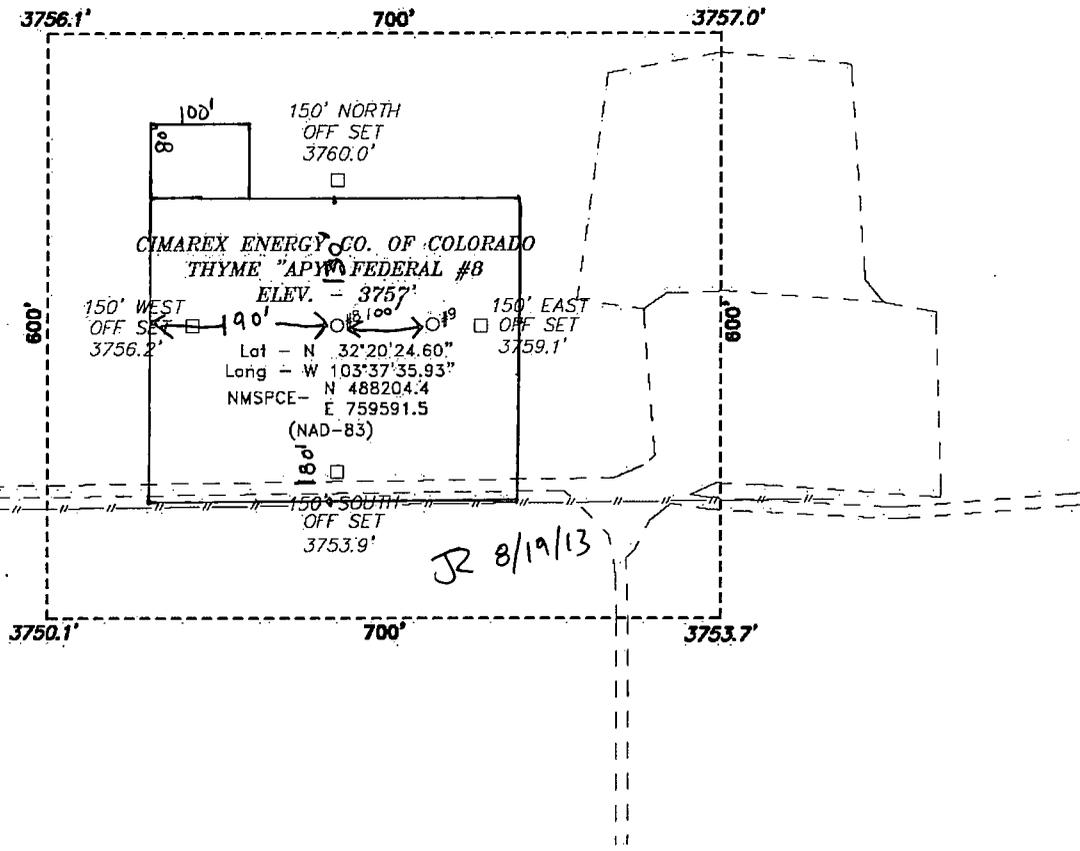
ADDRESS: 600 N. Marienfeld St., Ste. 600
Midland, TX 79701

TELEPHONE: 432-571-7848

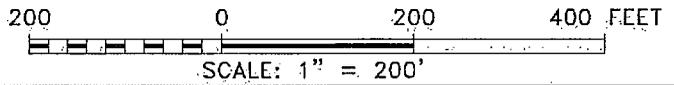
EMAIL: pbrunson@cimarex.com

Field Representative: Same as above

SECTION 1, TOWNSHIP 23 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



JR 8/19/13



Directions to Location:

FROM MILE MARKER 19 OF HWY 128, GO
NORTHEAST 5.6 MILES TO LEASE ROAD, ON LEASE
ROAD GO NORTHWEST 1.4 MILES TO LEASE ROAD,
ON LEASE ROAD GO NORTH 2.7 MILES TO LEASE
ROAD, ON LEASE ROAD GO EAST 0.9 MILES TO
PROPOSED LOCATION.

CIMAREX ENERGY CO. OF COLORADO

REF: THYME "APY" FEDERAL #8 / WELL PAD TOPO

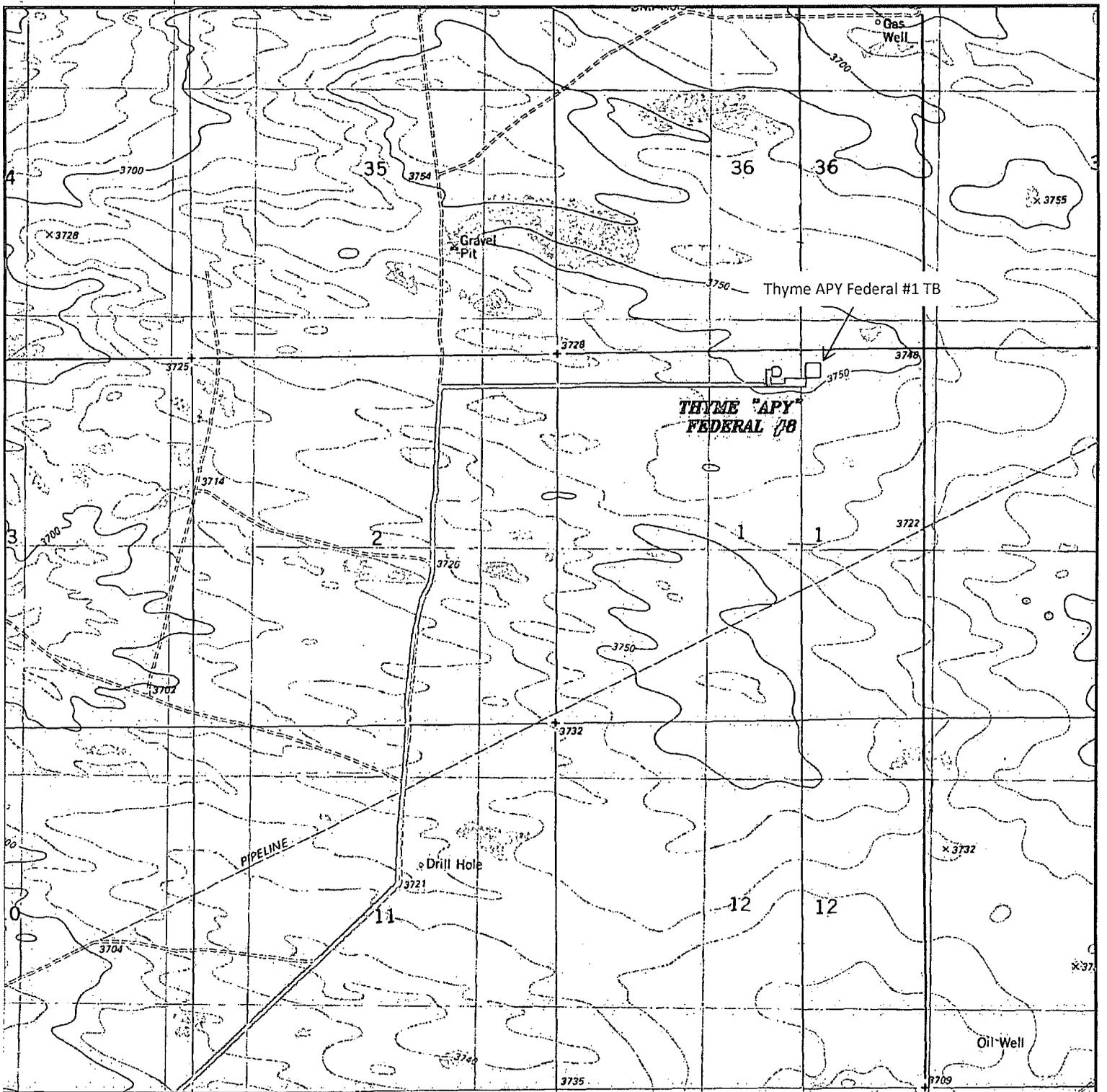
THE THYME "APY" FEDERAL #8 LOCATED 330'
FROM THE NORTH LINE AND 2130' FROM THE EAST LINE OF
SECTION 1, TOWNSHIP 23 SOUTH, RANGE 32 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 25259 Drawn By: J. SMALL

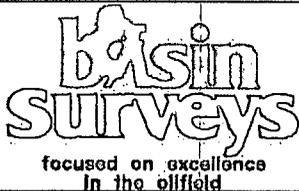
Date: 10-26-2011 Disk: JMS 25259

Survey Date: 10-21-2011 Sheet 1 of 1 Sheets



THYME "APY" FEDERAL #8
 Located 330' FNL and 2130' FEL
 Section 1, Township 23 South, Range 32 East,
 N.M.P.M., Lea County, New Mexico.

- Battery
- Flowline
- E-Line



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

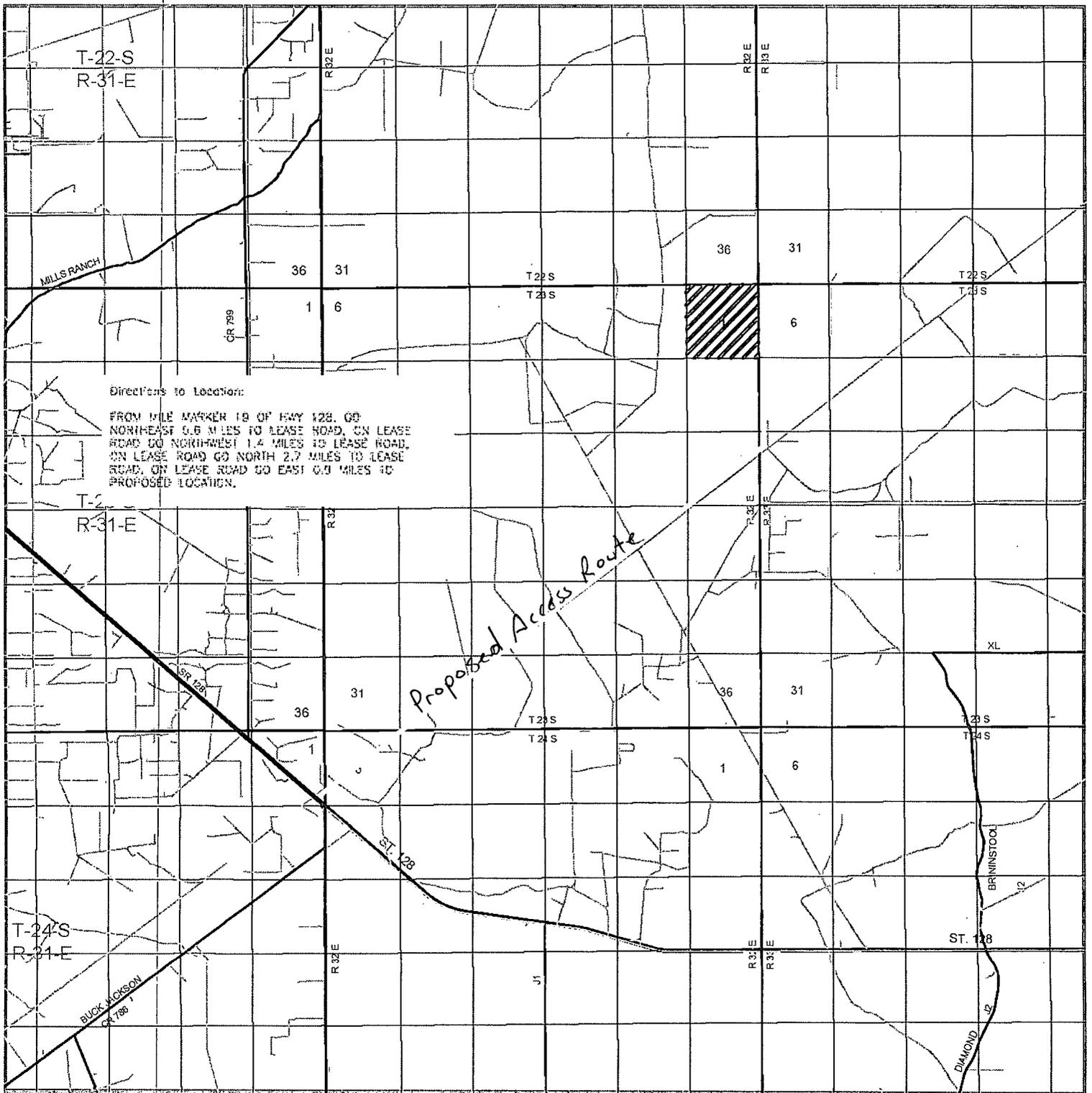
W.O. Number: JMS 25259

Survey Date: 10-21-2011

Scale: 1" = 2000'

Date: 10-26-2011

**CIMAREX
 ENERGY CO.
 OF COLORADO**



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 ROAD GO NORTHWEST 1.4 MILES TO LEASE ROAD,
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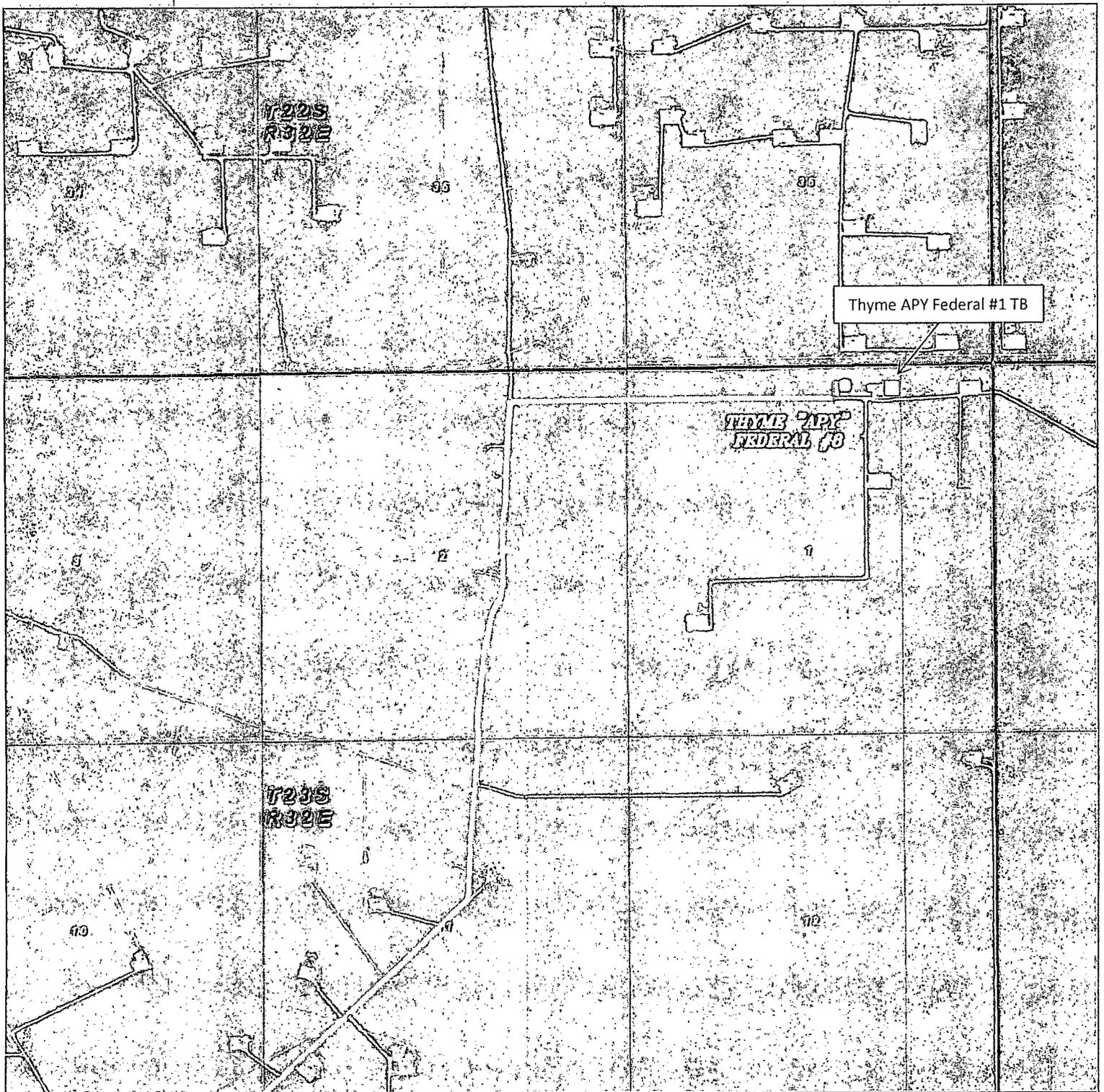
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Survey Date: 10-21-2011

Scale: 1" = 2 Miles

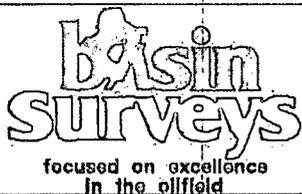
Date: 10-26-2011

**CIMAREX
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 OF COLORADO**



THYME "APY" FEDERAL #8
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 Section 1, Township 23 South, Range 32 East,
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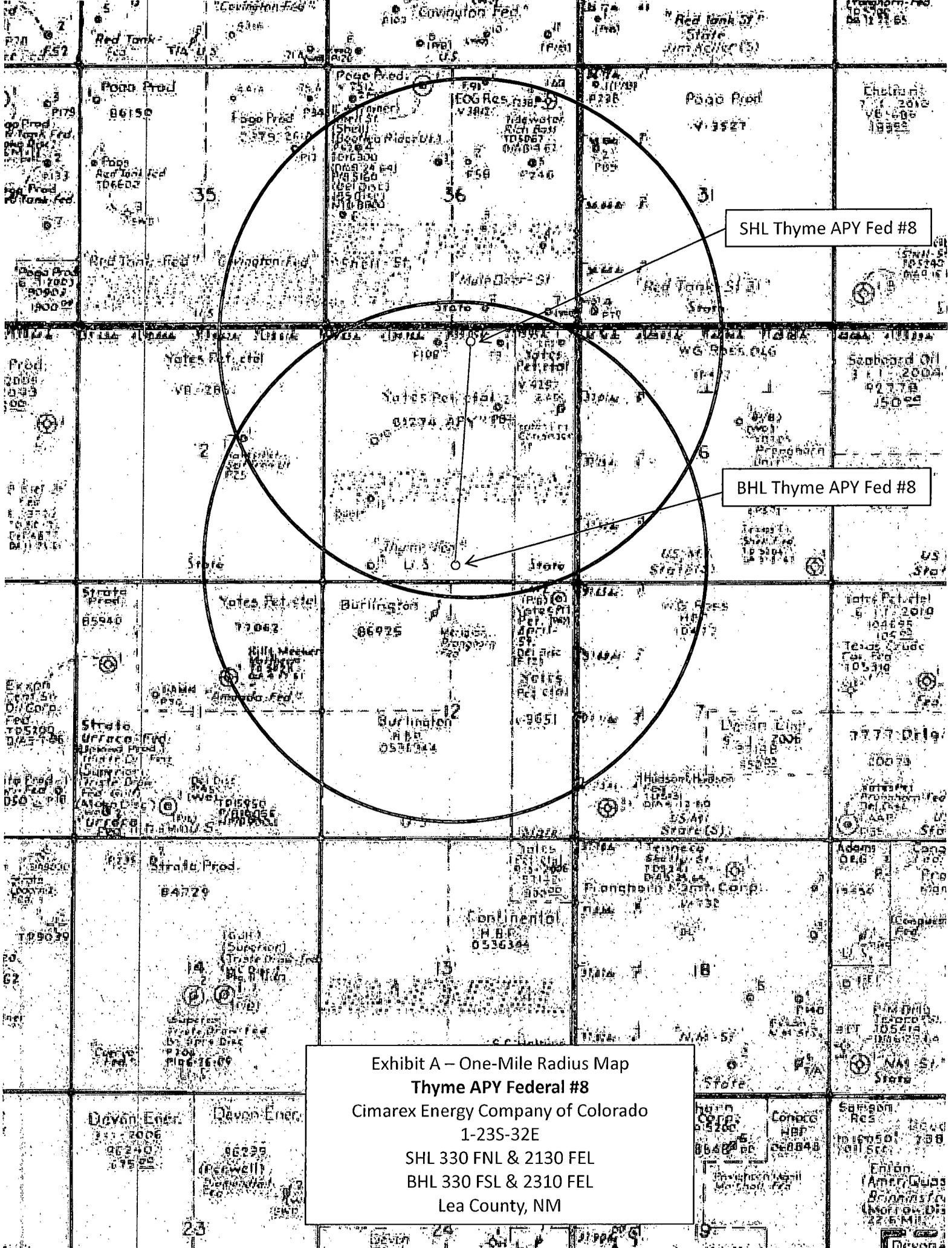
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Scale: 1" = 2000'

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND



CIMAREX
ENERGY CO.
OF COLORADO



SHL Thyme APY Fed #8

BHL Thyme APY Fed #8

Exhibit A – One-Mile Radius Map
 Thyme APY Federal #8
 Cimarex Energy Company of Colorado
 1-235-32E
 SHL 330 FNL & 2130 FEL
 BHL 330 FSL & 2310 FEL
 Lea County, NM