

Surface Use Plan
Cascade 29 Federal No. 1H
Cimarex Energy Co. of Colorado
Unit D, Section 29
T25S-R33E; Lea County, NM

NOV 29 2011

RECEIVED

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," and "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 the junction of Battle Axe and EPNG Rd, go West on EPNG Rd for 2.3 miles to lease road. On lease road, go North 2.2 miles to proposed lease road.
2. Planned Access Roads:
3828.8' of new access road will be built. 5564.8' of 2-track road will be upgraded. BLM ROWs will be obtained for off-lease portions. E-line will be provided by nearest service provider.
3. Location of Proposed Production Facilities:
If on completion this well is a producer, a tank battery will be used and the necessary production equipment will be installed at the wellsite. See production facilities layout diagram. Any changes to the facilities or off-site facilities will be accompanied by a Sundry Notice.
4. Location and Type of Water Supply:
Water will be purchased locally from a commercial source and trucked over the access roads.
5. Source of Construction Material:
If possible, native caliche will be obtained from the excavation of drill site. Topsoil will be pushed back from the drill site and existing caliche will be ripped and compacted. Then topsoil will be stockpiled on location as depicted on Exhibit "D" (rig layout). If additional material is needed, it will be purchased from a BLM-approved pit as near as possible to the well
6. Methods of Handling Waste Material:
 - A. Drill cuttings will be separated by a series of solids removal equipment and stored in steel containment pits and then hauled to a state-approved disposal facility.
 - B. All trash, junk and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary land fill.
 - C. Salts remaining after completion of well will be picked up by supplier including broken sacks.
 - D. Sewage from living quarters will drain into holding tanks and be cleaned out periodically and hauled to a waste disposal facility. A Porta-John will be provided for the rig crews. This equipment will be properly maintained during the drilling operations and removed upon completion of the well.

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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.

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. 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 known dwellings within 1½ miles of this location.

Operator Certification Statement

Cascade 29 Federal No. 1H

Cimarex Energy Co. of Colorado

Unit D, Section 29

T25S-R33E; 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

Zeno Farris

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 12th day of August, 2011

NAME: Zeno Farris
Zeno Farris

TITLE: Manager Operations Administration

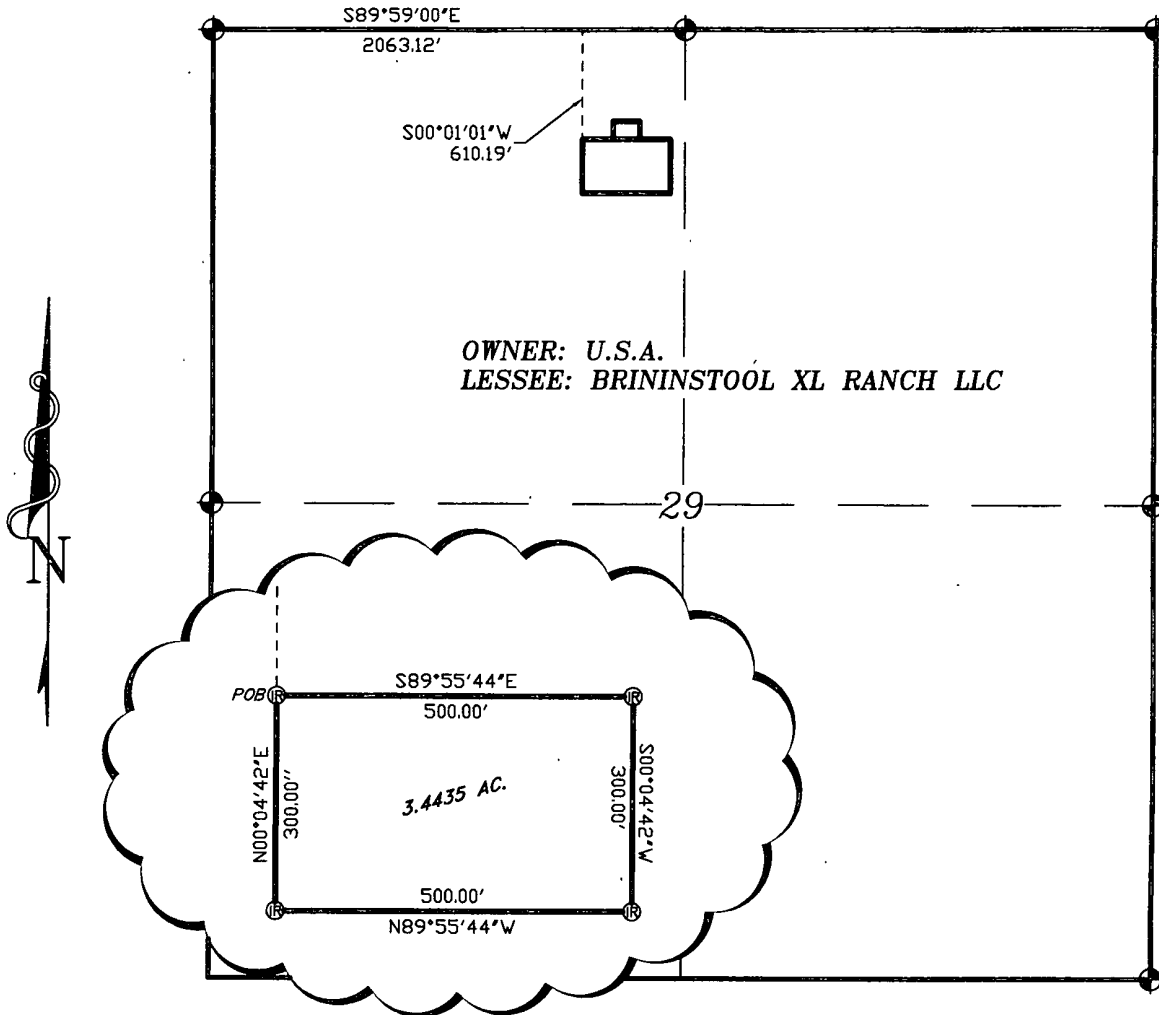
ADDRESS: 600 N. Marienfeld St., Ste. 600
Midland, TX 79701

TELEPHONE: (432) 620-1938

EMAIL: zfarris@cimarex.com

Field Representative: Same as above

**SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.**

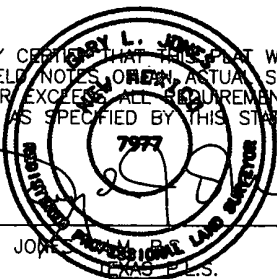


LEGAL DESCRIPTION

A TRACT OF LAND LOCATED IN SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH LIES S.89°59'00"E., 2063.12 FEET AND S.00°01'01"W., 610.19 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 29; THENCE S.89°55'44"E., 500.00 FEET; THENCE S.00°04'42"W., 300.00 FEET; THENCE N.89°55'44"W., 500.00 FEET; THENCE N.00°04'42"E., 300.00 FEET TO THE POINT OF BEGINNING. SAID TRACT OF LAND 3.4435 ACRES, MORE OR LESS.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED FROM FIELD NOTES, ORIGIN, ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



GARY L. JONES

No. 7977
No. 5074

1000 0 1000 2000 FEET

CIMAREX ENERGY CO. OF COLORADO

REF: CASCADE FEDERAL 29 WELLS FRAC TRACT.

A TRACT OF LAND IN
SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

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

W.O. Number: 25457

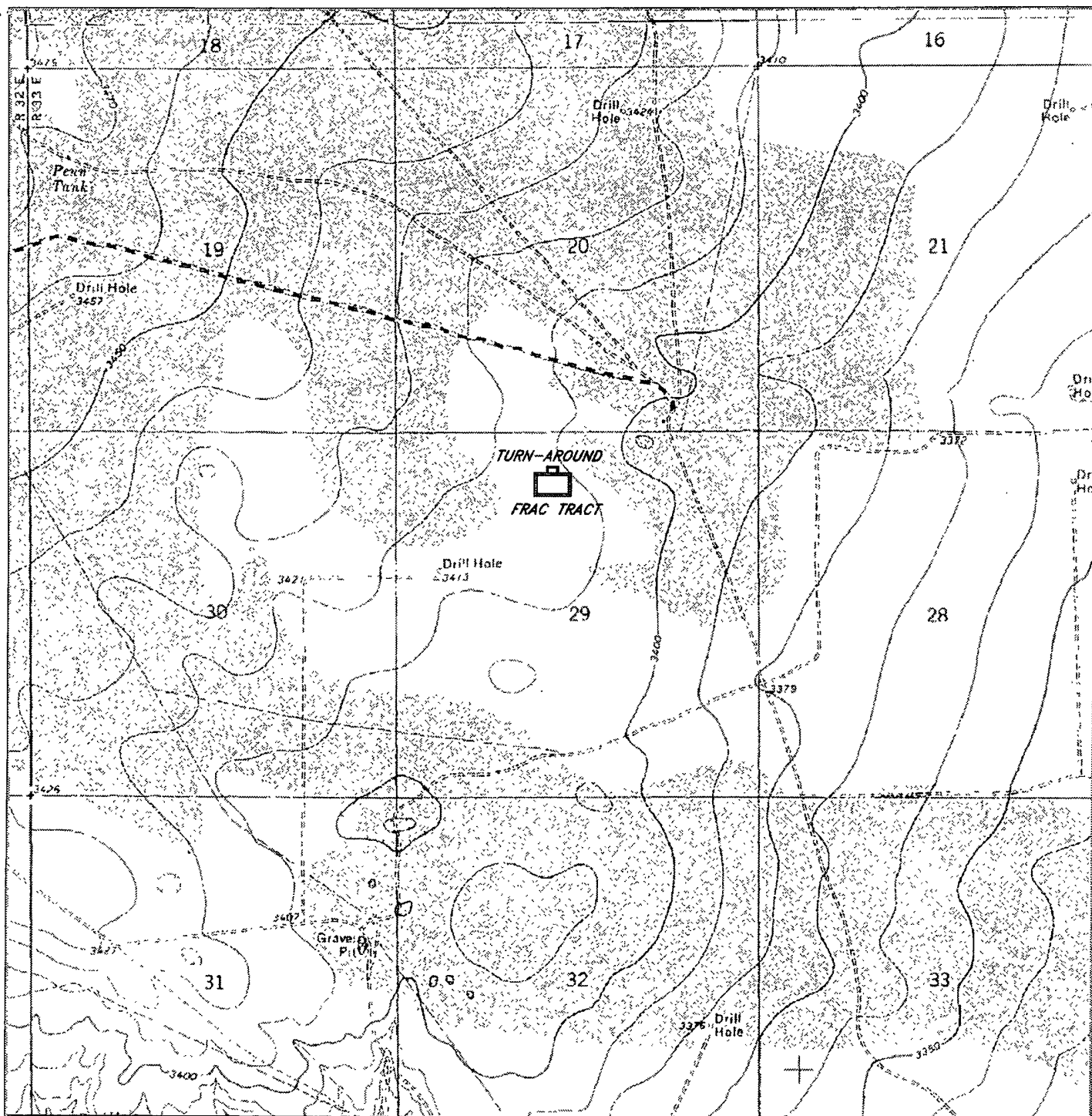
Drawn By: K. GOAD

Date: 10-03-2011

Disk: KJG - 25457TRACT.DWG

Survey Date: 09-26-2011

Sheet 1 of 2 Sheets



CASCADE FED. 29 WELLS FRAC TRACT & TURN-AROUND
 Section 29, Township 25 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.

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surveys

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 in the oilfield

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: KJG 25457

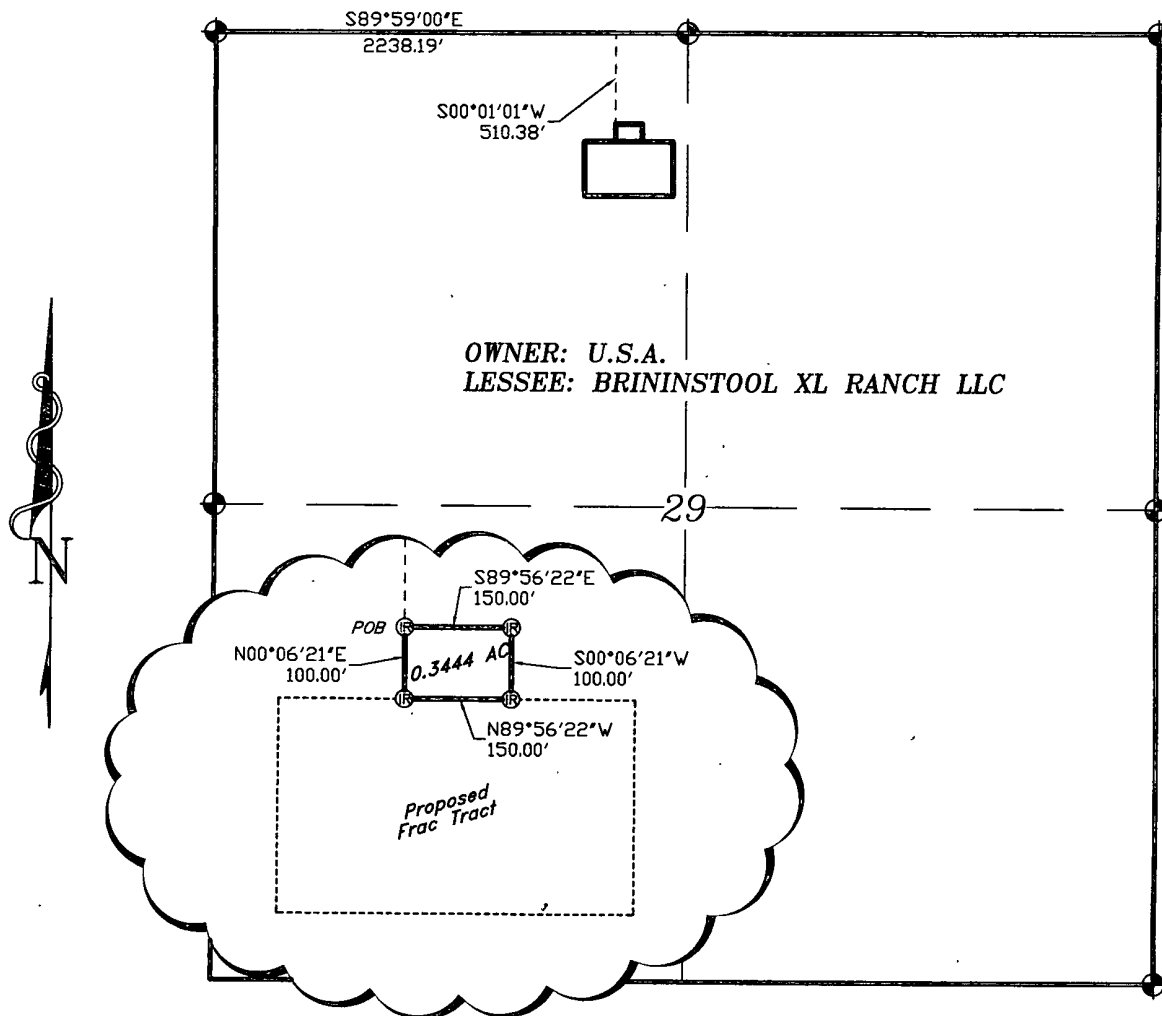
Survey Date: 09 26 2011

Scale: 1" = 2000'

Date: 10-03-2011

CIMAREX
ENERGY CO.
OF COLORADO

**SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.**

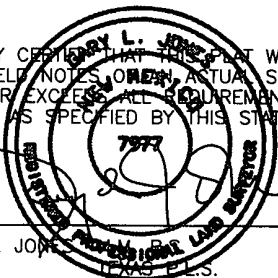


LEGAL DESCRIPTION

A TRACT OF LAND LOCATED IN SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH LIES S.89°59'00\"E., 2238.19 FEET AND S.00°01'01\"W., 510.38 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 29; THENCE S.89°56'22\"E., 150.00 FEET; THENCE S.00°06'21\"W., 100.00 FEET; THENCE N.89°56'22\"W., 150.00 FEET; THENCE N.00°06'21\"E., 100.00 FEET TO THE POINT OF BEGINNING. SAID TRACT OF LAND 0.3444 ACRES, MORE OR LESS.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED FROM FIELD NOTES, OWNED, ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



GARY L. JONES

No. 7977
No. 5074

1000 0 1000 2000 FEET

CIMAREX ENERGY CO. OF COLORADO

REF: TURNAROUND FOR THE CASCADE FEDERAL 29 WELLS FRAC TRACT

A TRACT OF LAND IN
SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

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

W.O. Number: 25457

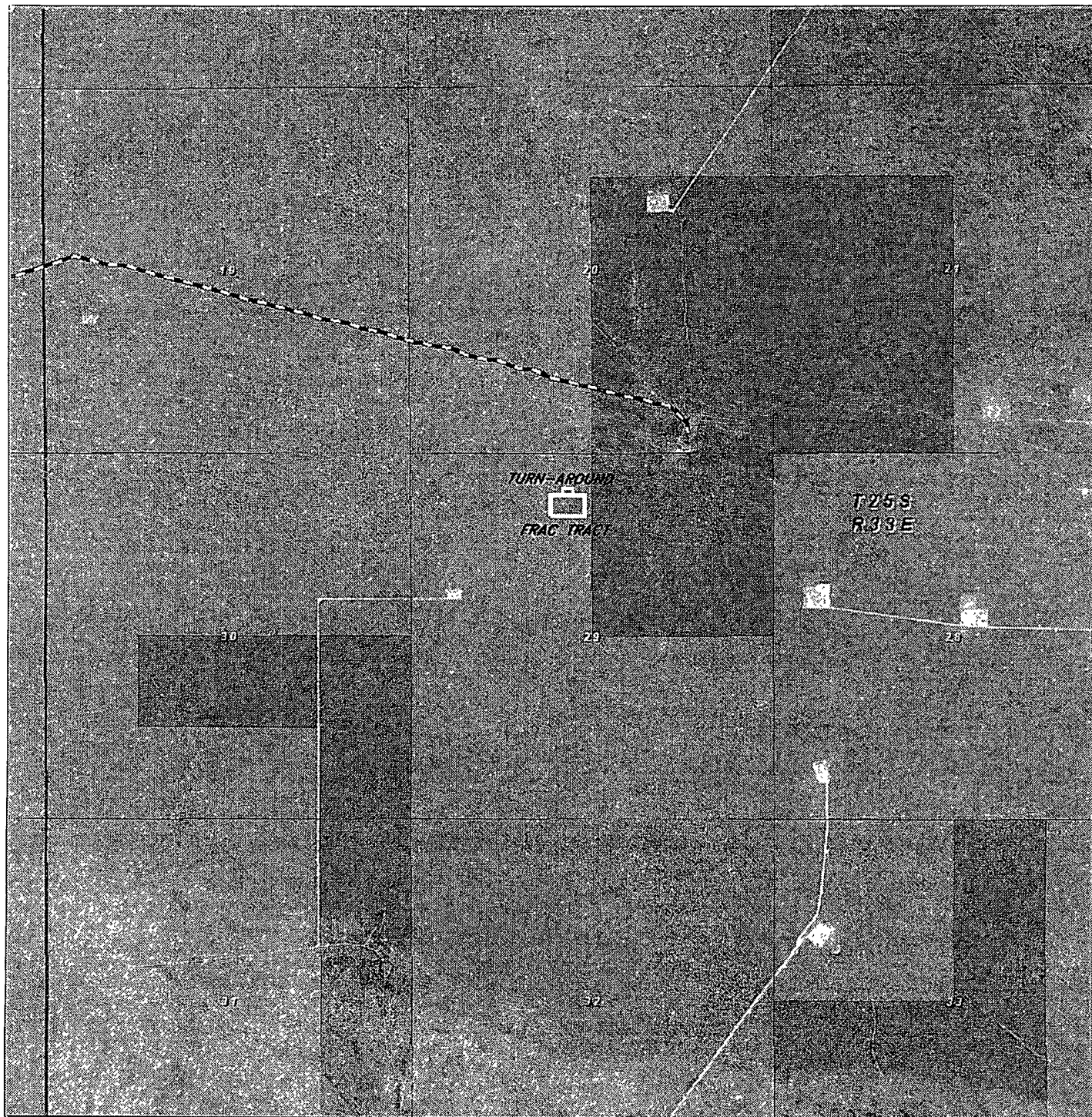
Drawn By: K. GOAD

Date: 10-03-2011

Disk: KJG - 25457TRACT.DWG

Survey Date: 09-26-2011

Sheet 2 of 2 Sheets



CASCADE FED. 29 WELLS FRAC TRACT & TURN-AROUND
 Section 29, Township 25 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.

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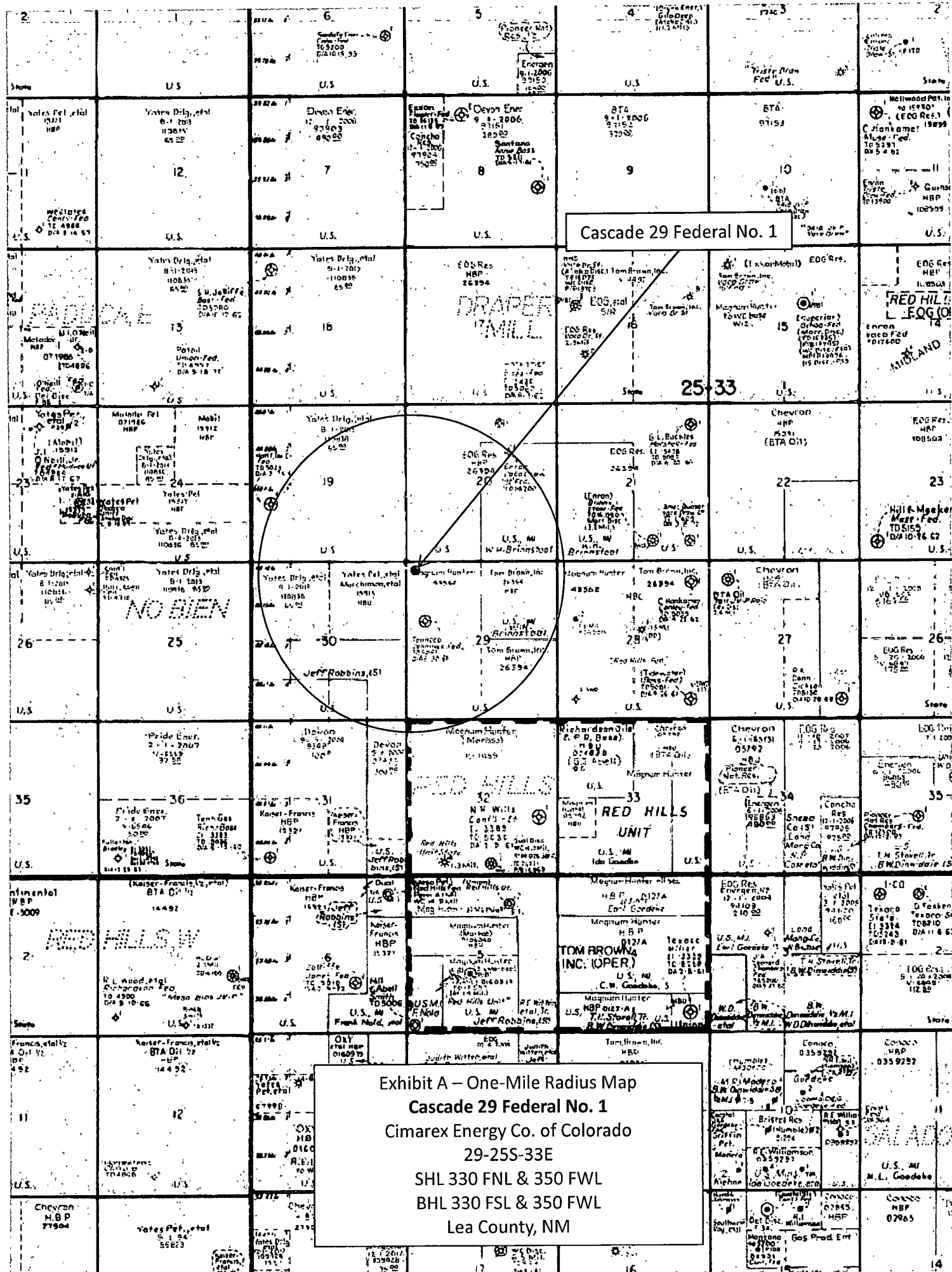
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
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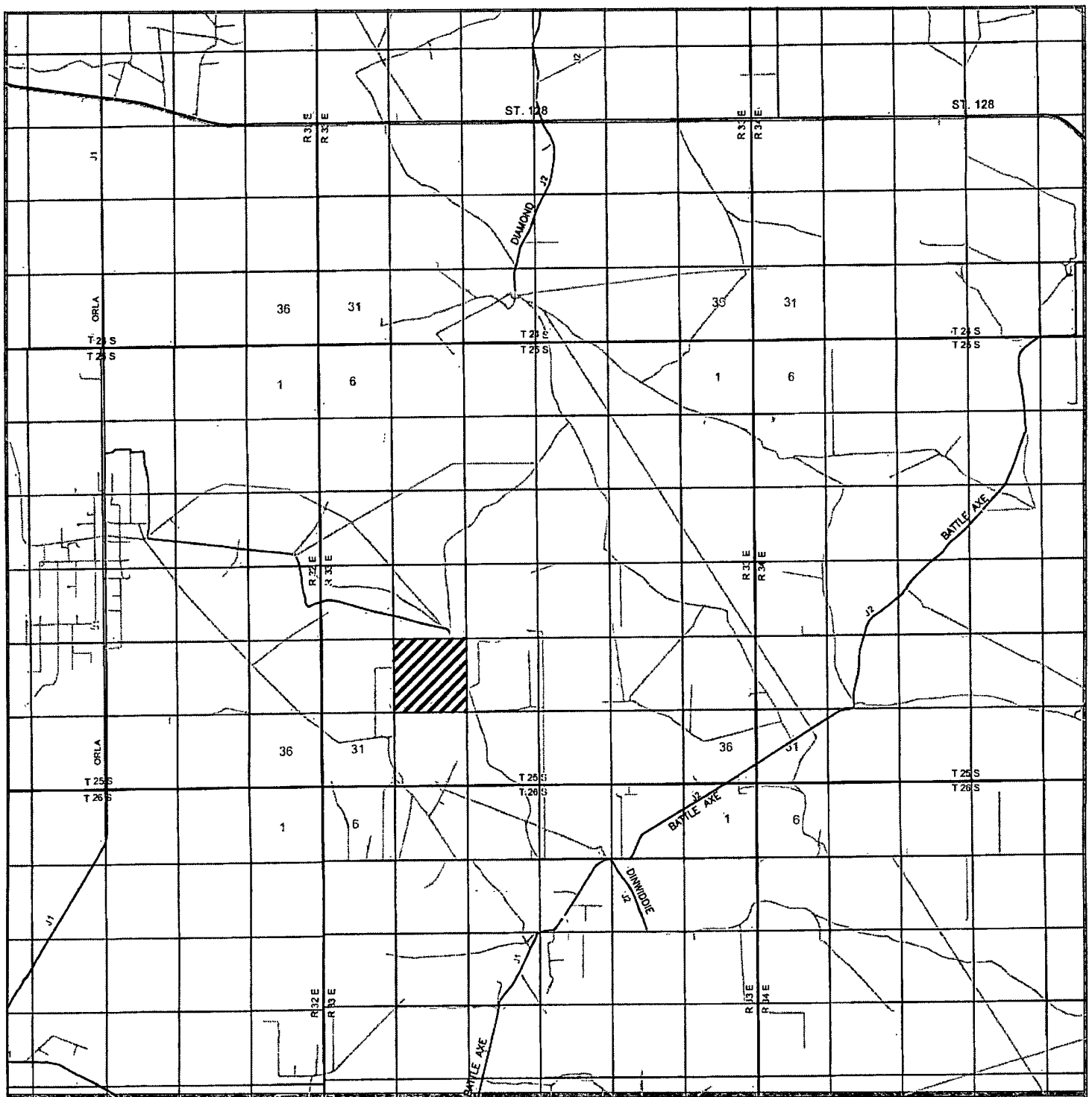
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Scale: 1" = 1000'

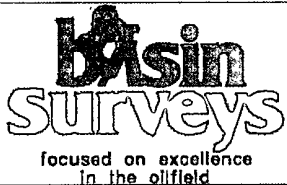
YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

CIMAREX
ENERGY CO.
OF COLORADO





CASCADE "29" FEDERAL #1H
 Located 330' FNL and 350' FWL
 Section 29, Township 25 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.



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W.O. Number: JMS 25030

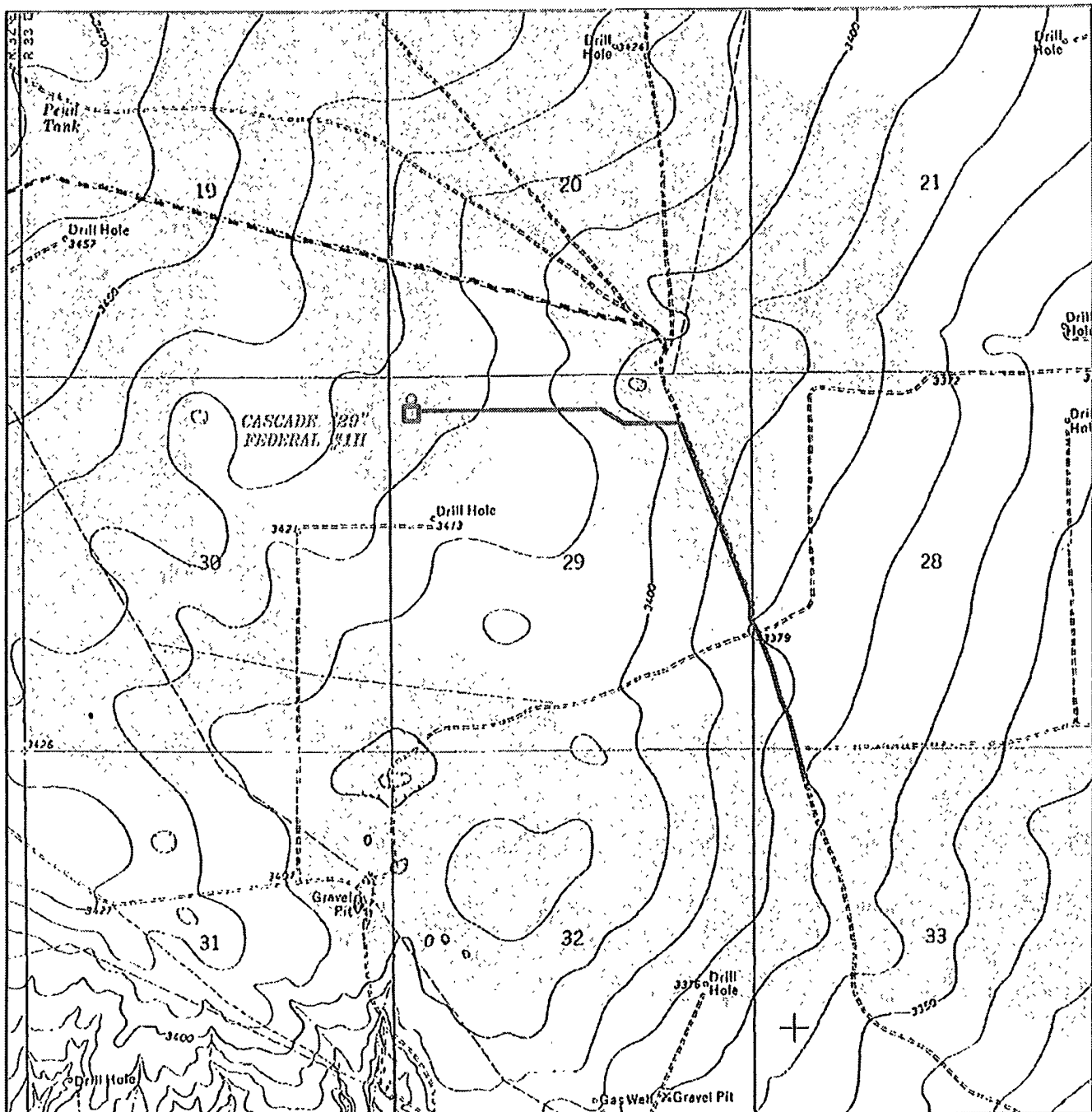
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Scale: 1" = 2 Miles

Date: 08-08-2011

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ENERGY CO.
OF COLORADO

Exhibit B



CASCADE "29" FEDERAL #1H

Located 330' FNL and 350' FWL

Section 29, Township 25 South, Range 33 East,
N.M.P.M., Lea County, New Mexico.

 Battery



P.O. Box 1786
1120 N. West County Rd.
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W.O. Number: JMS 25030

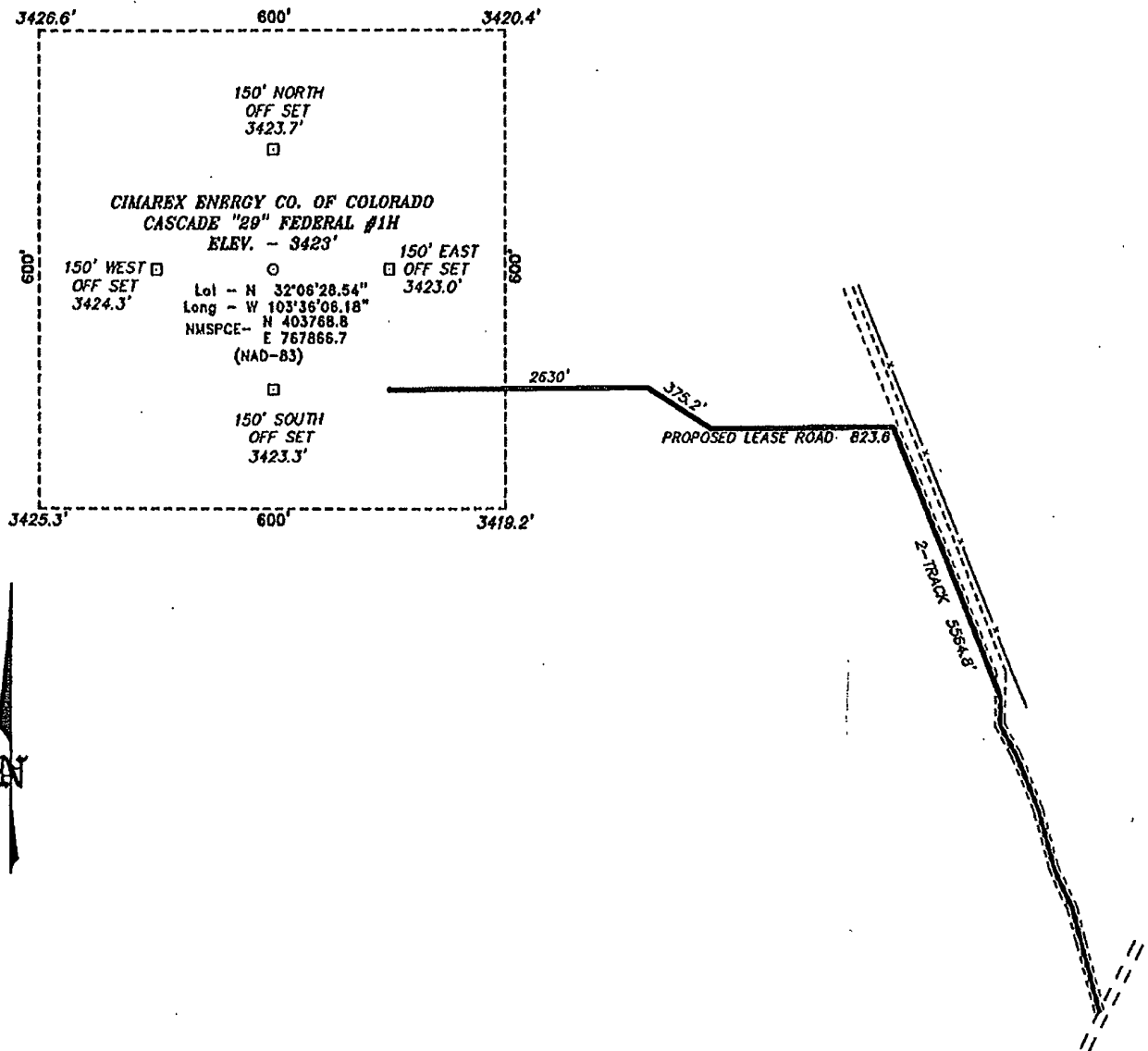
Survey Date: 08-06-2011

Scale: 1" = 2000'

Date: 08-08-2011

**CIMAREX
ENERGY CO.
OF COLORADO**

SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF BATTLE AXE AND EPNG ROAD, GO WEST ON EPNG ROAD FOR 2.3 MILES TO LEASE ROAD, ON LEASE ROAD GO NORTH 2.2 MILES TO PROPOSED LEASE ROAD.

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

W.O. Number: 25030 Drawn By: J. SMALL

Date: 08-08-2011 Disk: JMS 25030

CIMAREX ENERGY CO. OF COLORADO

REF: CASCADE "29" FEDERAL #1H / WELL PAD TOPO

THE CASCADE "29" FEDERAL #1H LOCATED 330'
FROM THE NORTH LINE AND 350' FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 08-08-2011 Sheet 1 of 1 Sheets