

Surface Use Plan  
**Dos Equis 13 Federal Com #1**

Cimarex Energy Co.  
UL: A, Sec. 13, 24s, 32e  
Lea Co., NM

HOBBS OCD  
OCT 31 2013

RECEIVED

The following surface use plan of operations will be followed and carried out once the APD is approved. No other disturbance will be created other than what is submitted in this surface use plan without approval. If any other disturbance is needed after the APD is approved, a BLM approved sundry notice or right of way application will be submitted for approval prior to any new surface disturbance.

**1. Existing Roads:**

Area maps: Exhibit "B" - reproduction of Eddy Co. General Highway Map. Exhibit "C" - reproduction of a USGS Topographic Map. Exhibit "C-1" - well site layout map. Exhibits "C," "C-1" - existing roads map.

The maximum width of the driving surface will be 14'. 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.

Existing access road route to the proposed project is depicted on the public access point map if applicable. Improvements to the driving surface will be done where necessary. No new surface disturbance will be done, unless otherwise noted in the New or Reconstructed Access Roads section of the surface use plan.

From mile marker 27 of Hwy 128, go NW 2.3 miles turning west 0.3 miles turning south 1.2 miles to proposed lease road.

If existing roads are used, the operator will improve or maintain existing roads in a condition the same as or better than before the operations began. The operator will repair pot holes, etc. All existing structures on the entire access route such as cattleguards, other range improvement projects, culverts, etc. will be properly repaired or replaced if they are damaged or have deteriorated beyond practical use.

The operator will prevent and abate fugitive dust as needed, whether created by vehicular traffic, equipment operations, or other events.

**2. New or Reconstructed Access Roads:**

A new road will be constructed for this project.

Cimarex Energy plans to construct 1022' of new on-lease access road to service the well. The planned access road does not cross lease boundaries, a right of way grant will not be acquired from the BLM.

The maximum width of the driving surface will be 14'. 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.

New access road route to the proposed project is depicted on the public access point map and Exhibit C-1. Improvements to the driving surface will be done where necessary. No new surface disturbance will be done without prior approval from the BLM.

The operator will prevent and abate fugitive dust as needed, whether created by vehicular traffic, equipment operations, or other events.

**3. Planned Electric Line:**

Cimarex Energy plans to construct a new on lease electric line to service the well on a private/state surface.

**4. Location of Existing Well in a One-Mile Radius -Exhibit A:**

- Water Wells - None known
- Disposal Wells - None known
- Drilling Wells - None known
- Producing Wells - As shown on Exhibit A
- Abandoned Wells - As shown on Exhibit A

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**5. Location of Existing or 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. Any changes to the facility will be submitted via sundry notice.

**6. Location and Type of Water Supply:**

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

**7. 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:

- The top 6 inches of topsoil is pushed off and stockpiled along the side of the location.
- An approximate 120' x 120' area is used within the proposed well site to remove caliche.
- Subsoil is removed and piled alongside the 120' by 120' area within the pad site.
- When caliche is found, material will be stockpiled within the pad site to build the location and road.
- Then subsoil is pushed back in the hole and caliche is spread accordingly across entire location and road.
- 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.

**8. Ancillary Facilities:**

No camps or airstrips to be constructed.

**9. Well Site Layout:**

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

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**10. 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 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

**11. Methods of Handling Waste**

- 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.
- 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.
- Human waste and grey water will be properly contained and disposed of properly at a state approved disposal site.
- 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.
- 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.

**12. Other Information:**

- Topography consists of a sloping plane with loose tan sands. Vegetation is mainly yucca, mesquite and shin oak.
- 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.
- An archaeological survey will be conducted on the location and proposed roads and this report will be filed with the Bureau of Land Management in the Carlsbad BLM office.
- There are no known dwellings within 1½ miles of this location.

**13. On Site Notes and Information:**

Onsite Results: Barry Hunt, Amanda Lynch, and Basin surveys on location 6/25/13. OK where staked. V-Door East. Top soil west. Batter South. Interim reclamation: North & West. Frac pad NW corner (North). Flare pad NE Corner (North). Access road from southwest corner, west to lease road.

Operator Certification Statement

**Dos Equis 13 Federal Com #1**

Cimarex Energy Co.

UL: A, Sec. 13, 24s, 32e

Lea Co., 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 13 day of August, 2013

**NAME:**

Hope Knauls

Hope Knauls

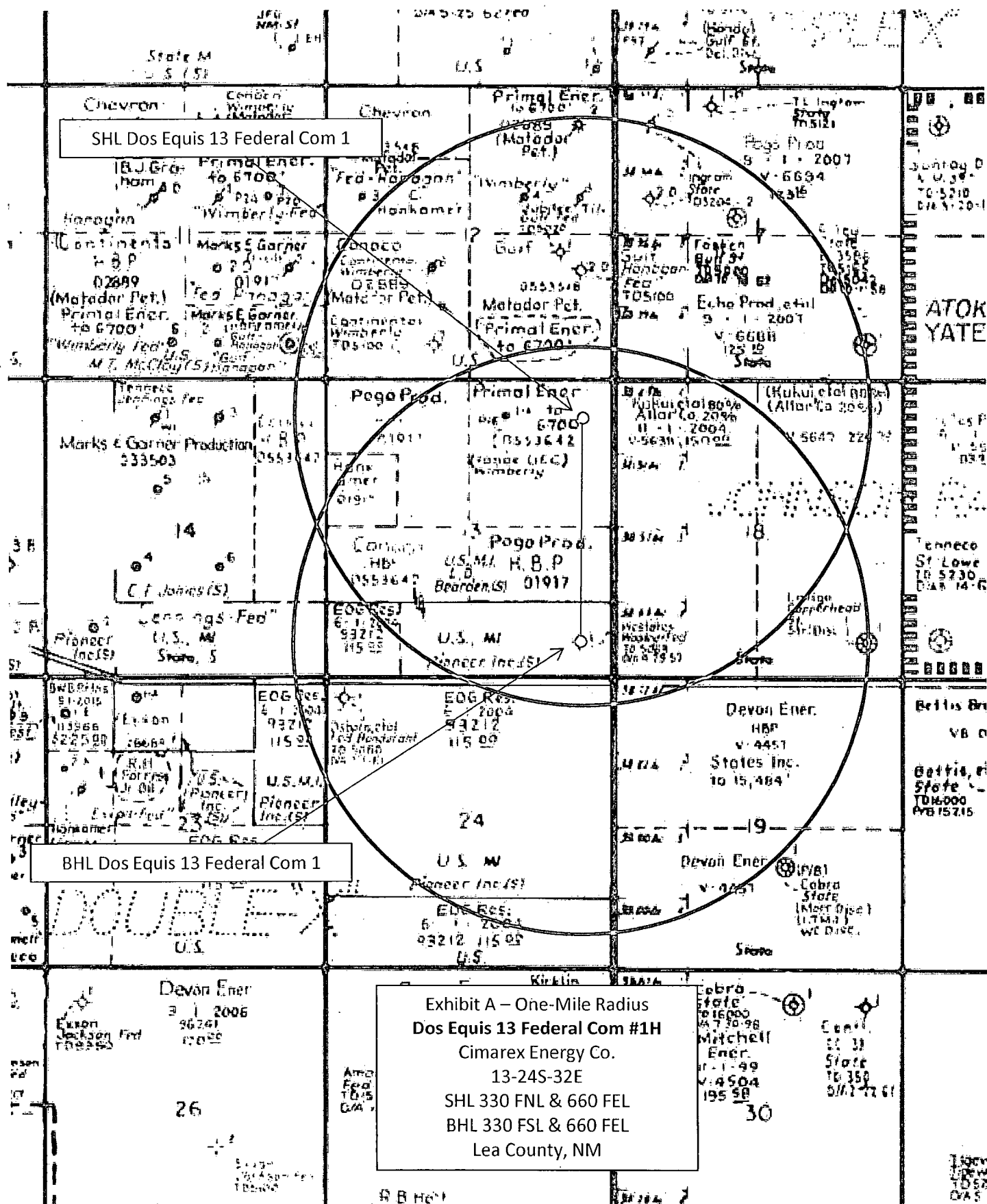
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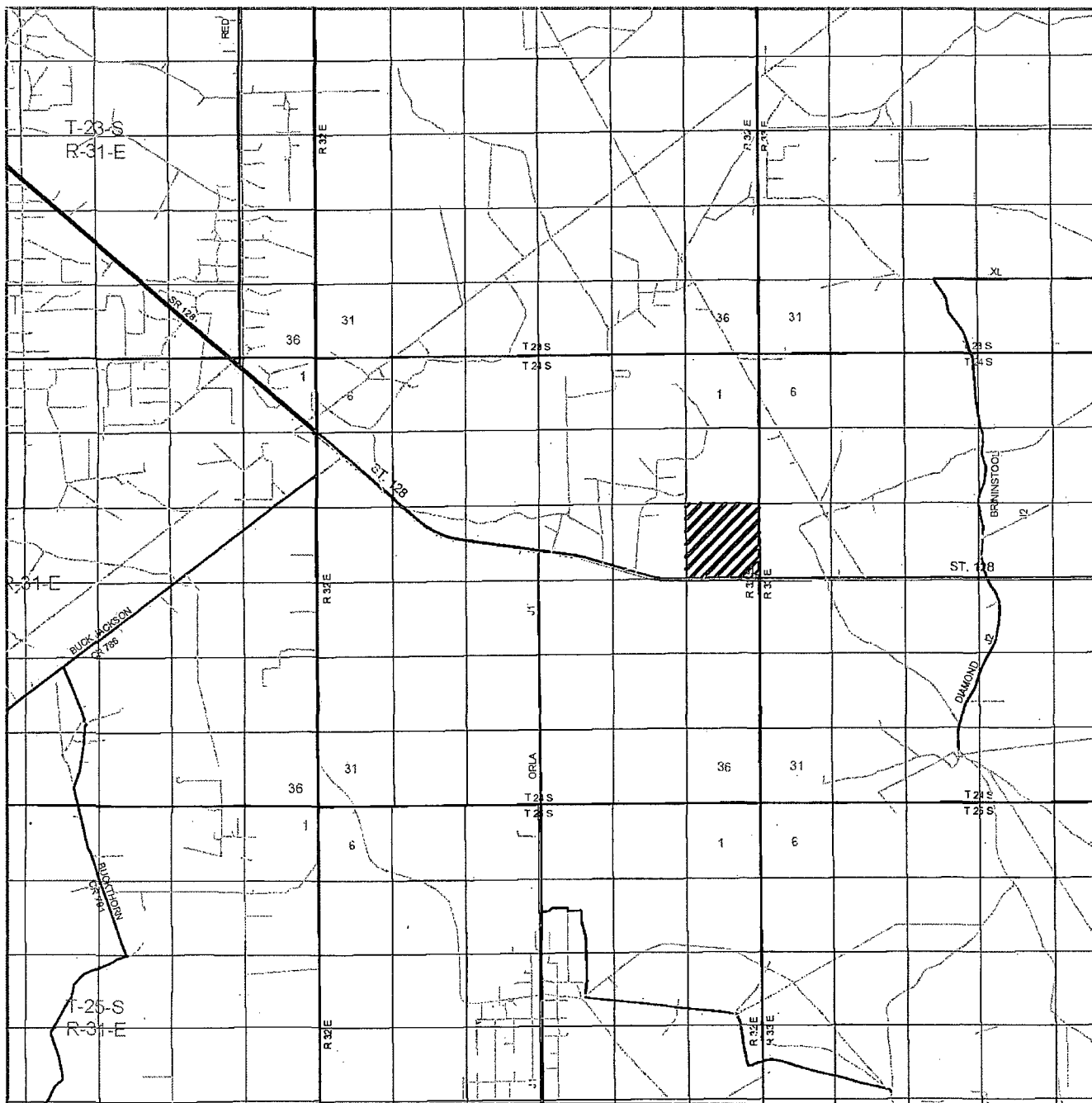
**ADDRESS:** 600 N. Marienfeld St. Ste. 600 Midland Tx 79071

**TELEPHONE:** 432-571-7800

**EMAIL:** hknauls@cimarex.com

**Field Representative:** Same as above





**DOS EQUIS 13 FEDERAL COM 1**  
 Located 330' FNL and 660' FEL  
 Section 13, Township 24 South, Range 32 East,  
 N.M.P.M., Lea County, New Mexico.

**basin**  
**surveys**

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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  
 basin-surveys.com

W.O. Number: JMS 28903

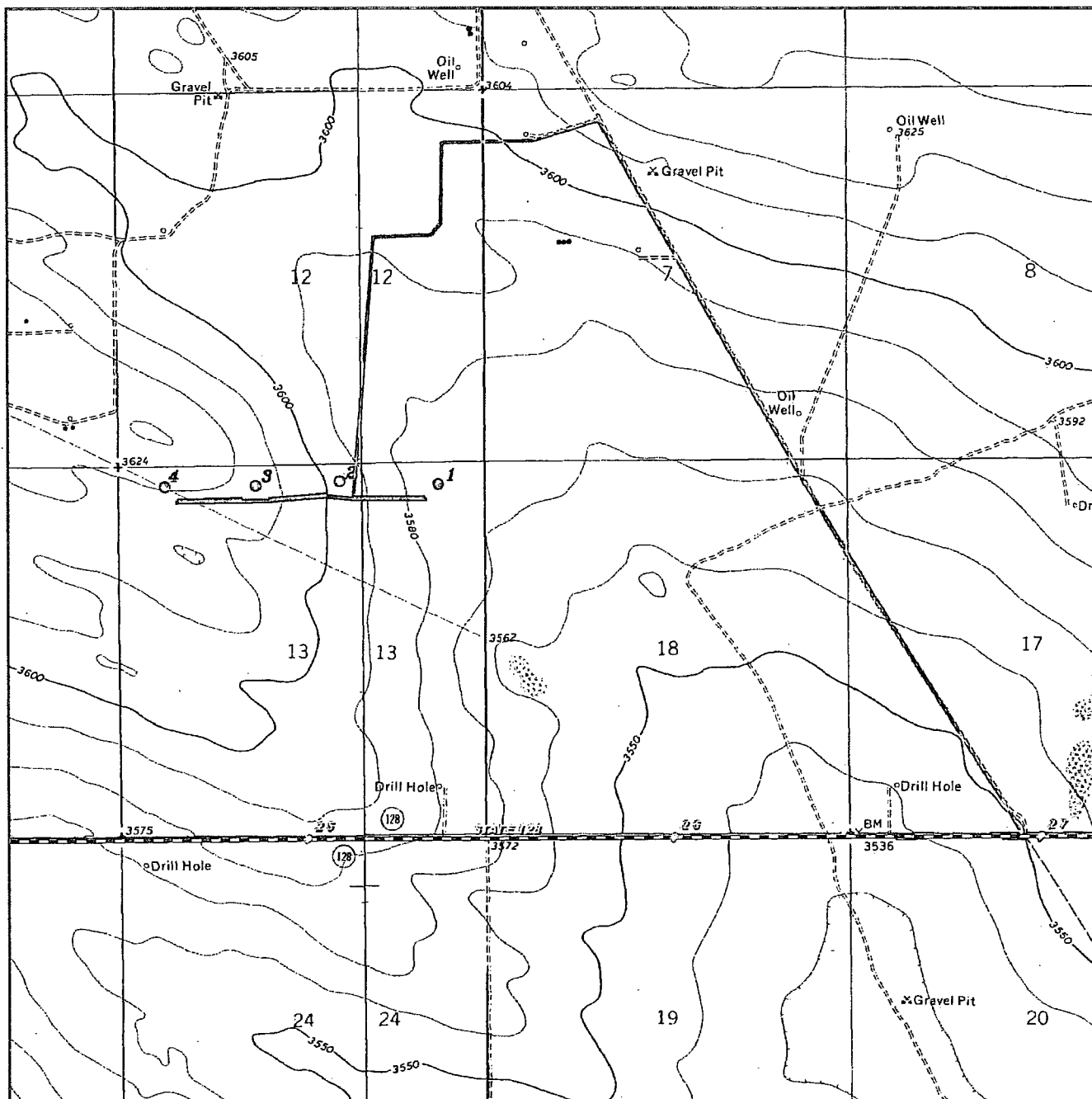
Survey Date: 07-03-2013

Scale: 1" = 2 Miles

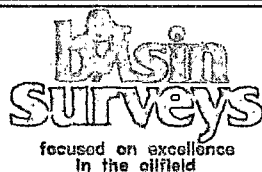
Date: 07-10-2013

**CIMAREX**  
**ENERGY CO.**

Exhibit B



**DOS EQUIS 13 FEDERAL COM 1**  
 Located 330' FNL and 660' FEL  
 Section 13, Township 24 South, Range 32 East,  
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786  
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 basin-surveys.com

W.O. Number: JMS 28903

Survey Date: 07-03-2013

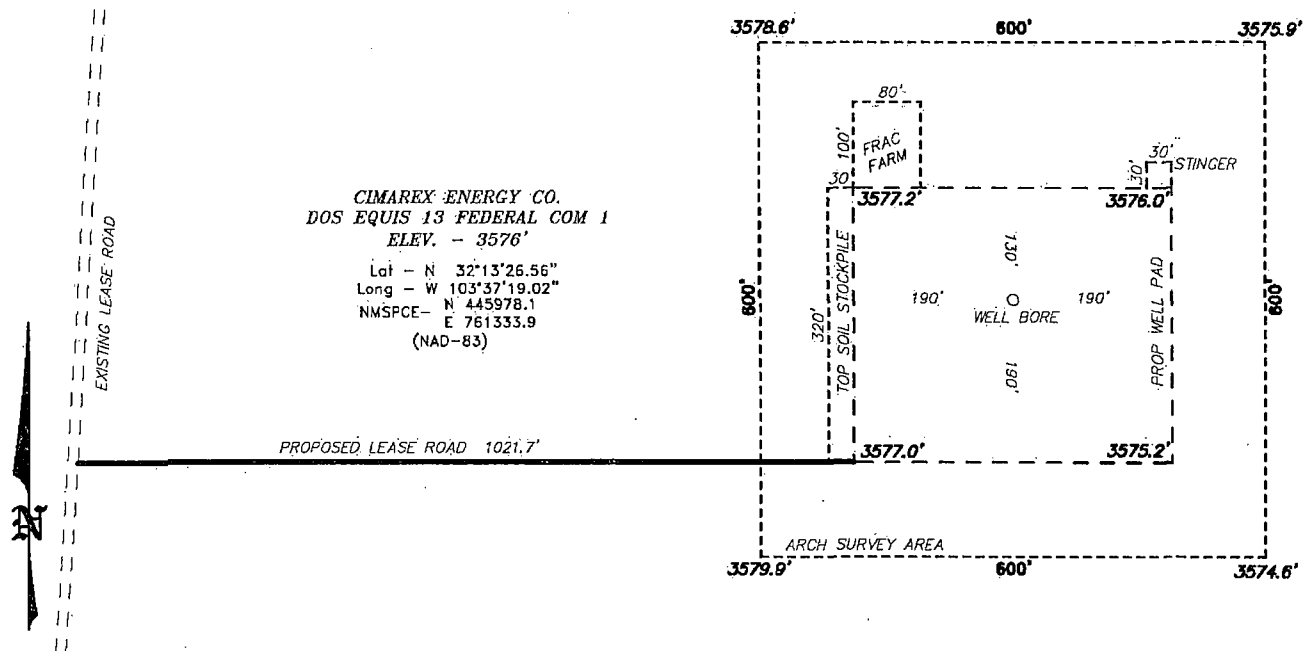
Scale: 1" = 2000'

Date: 07-10-2013

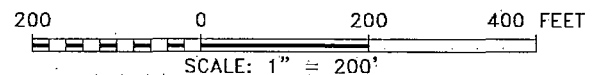
**CIMAREX  
 ENERGY CO.**

Exhibit C

**SECTION 13, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.**



JAL, NM IS ±26 MILES TO THE SOUTHEAST OF LOCATION.



Directions to Location:

FROM MILE MARKER 27 OF HWY 128, GO  
NORTHWEST 2.3 MILES TURNING WEST 0.3 MILES  
TURNING AGAIN SOUTH 1.2 MILES TO PROPOSED  
LEASE ROAD.

**BASTIN SURVEYS** P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 28903 Drawn By: **J. SMALL**

Date: 07-10-2013 Disk: JMS 28903

**CIMAREX ENERGY CO.**

REF: DOS EQUIS 13 FEDERAL COM 1 / WELL PAD TOPO

THE DOS EQUIS 13 FEDERAL COM 1 LOCATED 330' FROM

THE NORTH LINE AND 660' FROM THE EAST LINE OF

SECTION 13, TOWNSHIP 24 SOUTH, RANGE 32 EAST,

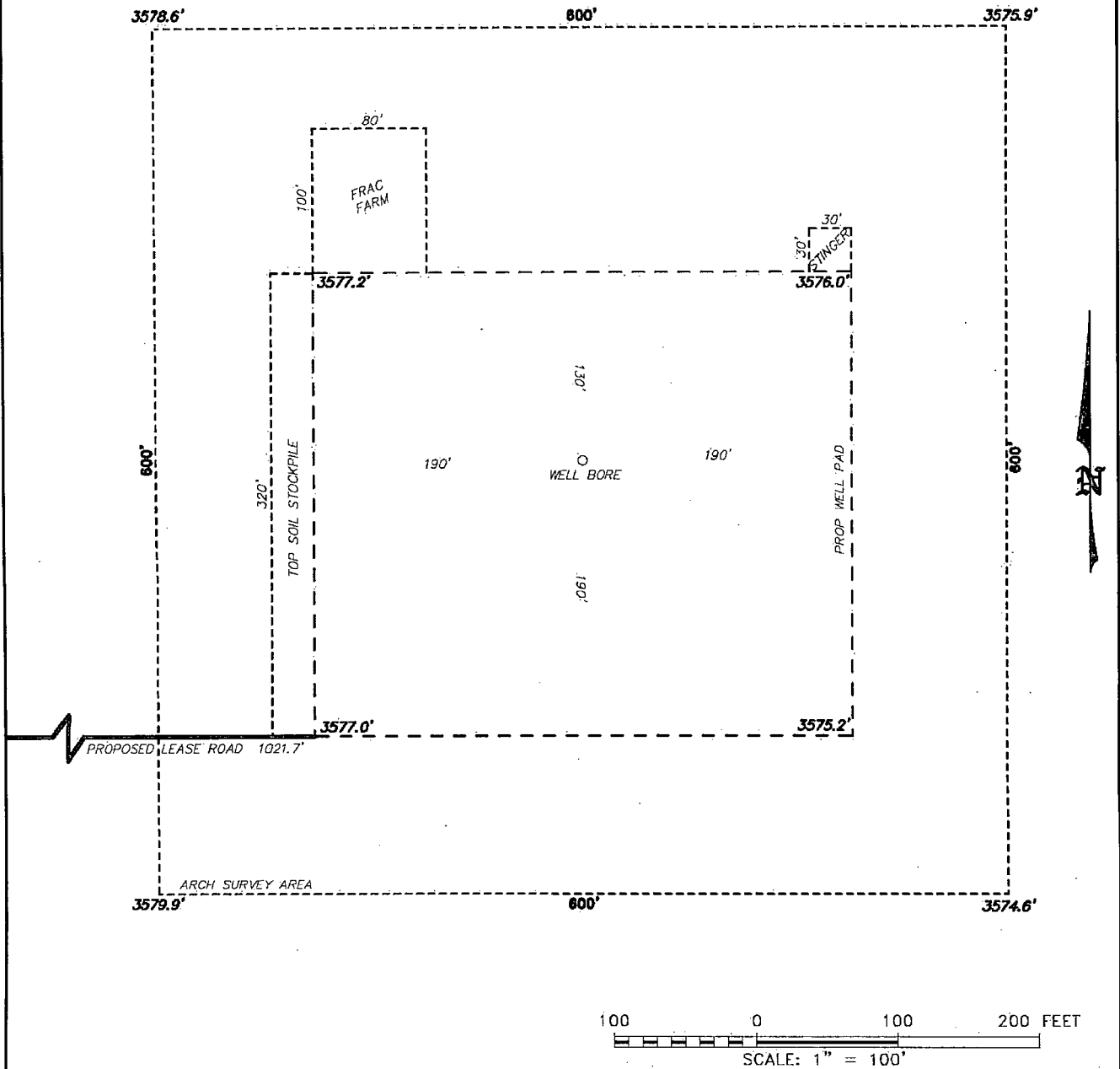
N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 07-03-2013 Sheet 1 of 1 Sheets

**Exhibit C-1**



SECTION 13, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



**CIMAREX ENERGY CO.**

REF: DOS EQUIS 13 FEDERAL COM 1 / WELL PAD TOPO

THE DOS EQUIS 13 FEDERAL COM 1 LOCATED 330' FROM  
THE NORTH LINE AND 660' FROM THE EAST LINE OF  
SECTION 13, TOWNSHIP 24 SOUTH, RANGE 32 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

**BASIN SURVEYS**

P.O. BOX 1786—HOBBS, NEW MEXICO

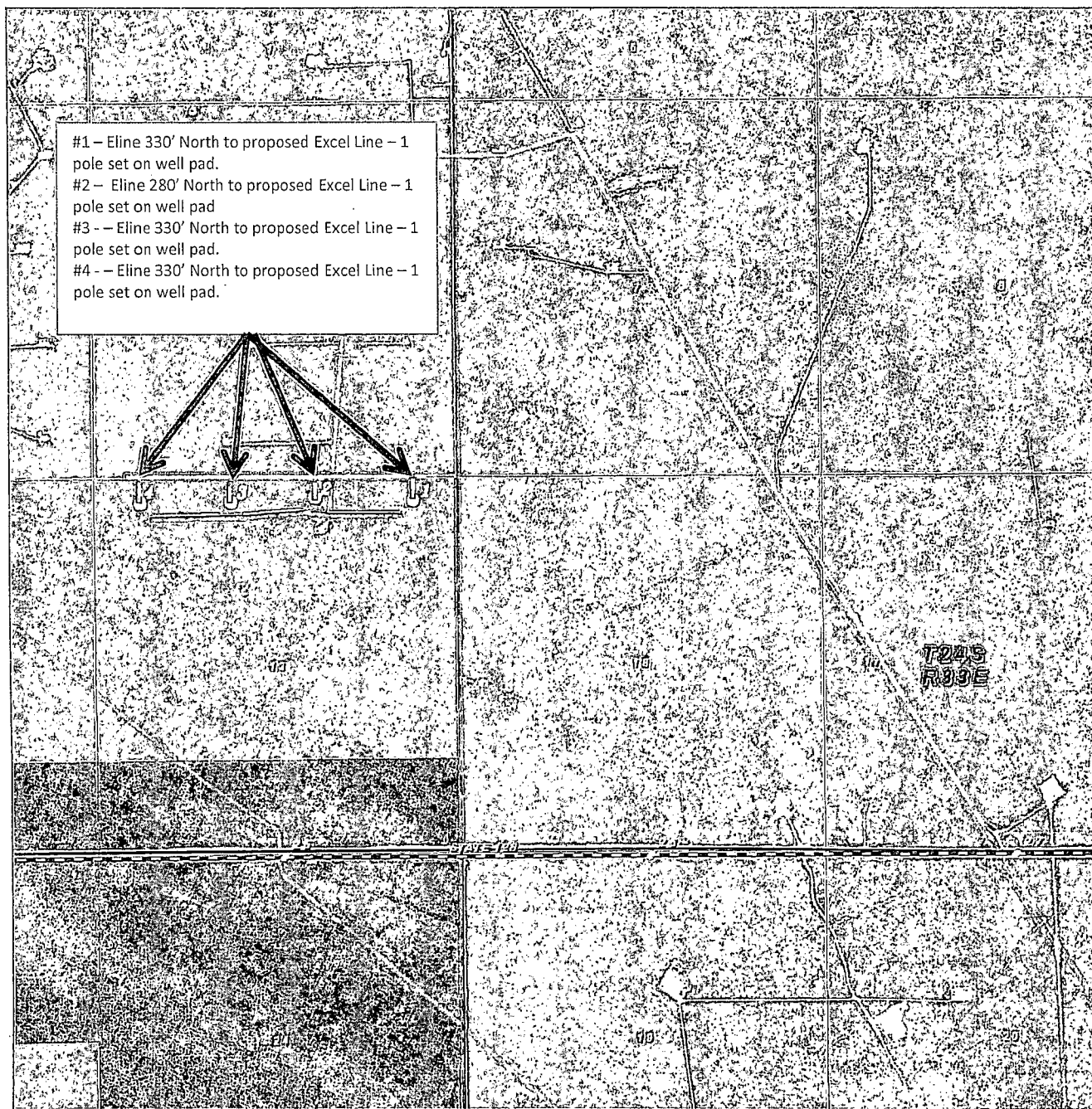
W.O. Number: 28903

Drawn By: **J. SMALL**

Date: 07-10-2013 Disk: JMS 28903

Survey Date: 07-03-2013

Sheet 1 of 1 Sheets



**DOS EQUIS 13 FEDERAL COM 1**  
**Located 330' FNL and 660' FEL**  
**Section 13, Township 24 South, Range 32 East,**  
**N.M.P.M., Lea County, New Mexico.**

— Proposed Rd  
 — Proposed Eline Excel  
 — Proposed Eline Cimarex

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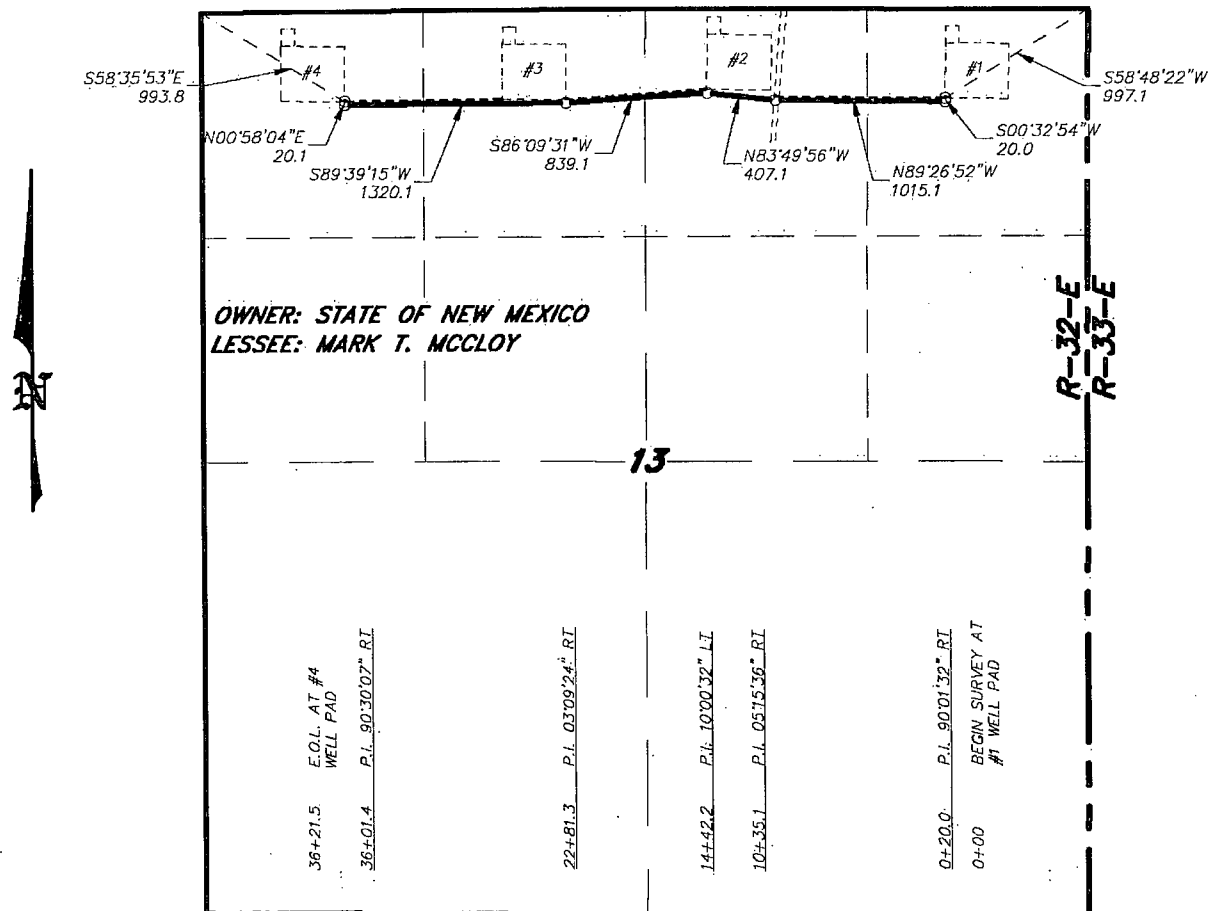
Scale: 1" = 2000'

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

**CIMAREX**  
**ENERGY CO.**

Exhibit G

**SECTION 13, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.**



**LEGAL DESCRIPTION**

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 13, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY: BEGINNING AT A POINT WHICH LIES S.58°48'22"W., 997.1 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 13; THENCE S.00°32'54"W., 20.0 FEET; THENCE N.89°26'52"W., 1015.1 FEET; THENCE N.83°49'56"W., 407.1 FEET; THENCE S.86°09'31"W., 839.1 FEET; THENCE S.89°39'15"W., 1320.1 FEET; THENCE N.00°58'04"E., 20.1 FEET TO THE END OF THIS LINE WHICH LIES S.58°35'53"E., 993.8 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 13. SAID STRIP OF LAND BEING 3621.5 FEET OR 219.48 RODS IN LENGTH AND CONTAINING 2.49 ACRES, MORE OR LESS, AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NE/4 = 31.97 RODS = 0.36 ACRES  
NE/4 NW/4 = 80.08 RODS = 0.91 ACRES

NW/4 NE/4 = 80.04 RODS = 0.91 ACRES  
NW/4 NW/4 = 27.39 RODS = 0.31 ACRES

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS THE REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES No. 7977  
No. 5074

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

W.O. Number: 28906 Drawn By: **J. M. SMALL**

Date: 07-10-2013 Disk: JMS 28906

1000 0 1000 2000 FEET

**CIMAREX ENERGY CO.**

REF: PROPOSED PIPELINE ROW FOR THE DOS EQUIS 13 FED WELLS

A PIPELINE CROSSING STATE LAND IN

SECTION 13, TOWNSHIP 24 SOUTH, RANGE 32 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 07-03-2013 Sheet 1 of 1 Sheets

Exhibit H