

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 Rd., Aztec, NM 87410  
Phone (505) 354-6176 Fax: (505) 354-6170

DISTRICT IV  
1225 S. St. Francis Dr., Santa Fe, NM 87505  
Phone (505) 476-3480 Fax: (505) 476-3482

State of New Mexico  
Energy, Minerals and Natural Resources Department

HOBBS

JAN 20 2015

Form C-102  
Revised August 1, 2011

OIL CONSERVATION DIVISION

1225 South St. Francis Dr.  
Santa Fe, New Mexico 87505

RECEIVED

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30025-42372	Pool Code 97900	Pool Name Red Hills Upper Bone Spring/Wildcat Shale
Property Code 314104	Property Name CASCADE 28 FEDERAL	Well Number 4H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3367

Surface Location

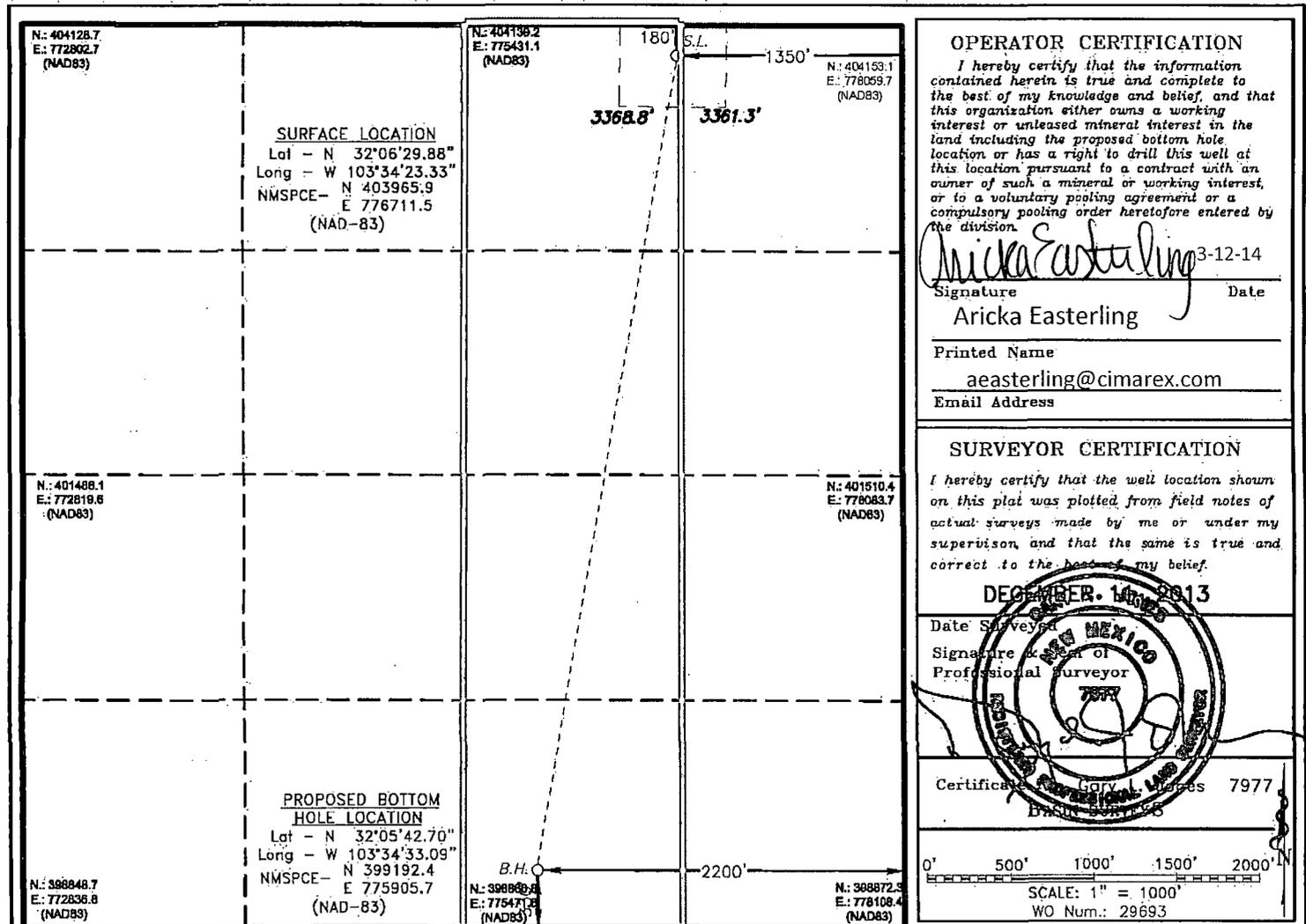
UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/NORTH LINE	FEET from the	East/EAST LINE	County
B	28	25 S	33 E		180	NORTH	1350	EAST	LEA

Bottom Hole Location If Different From Surface

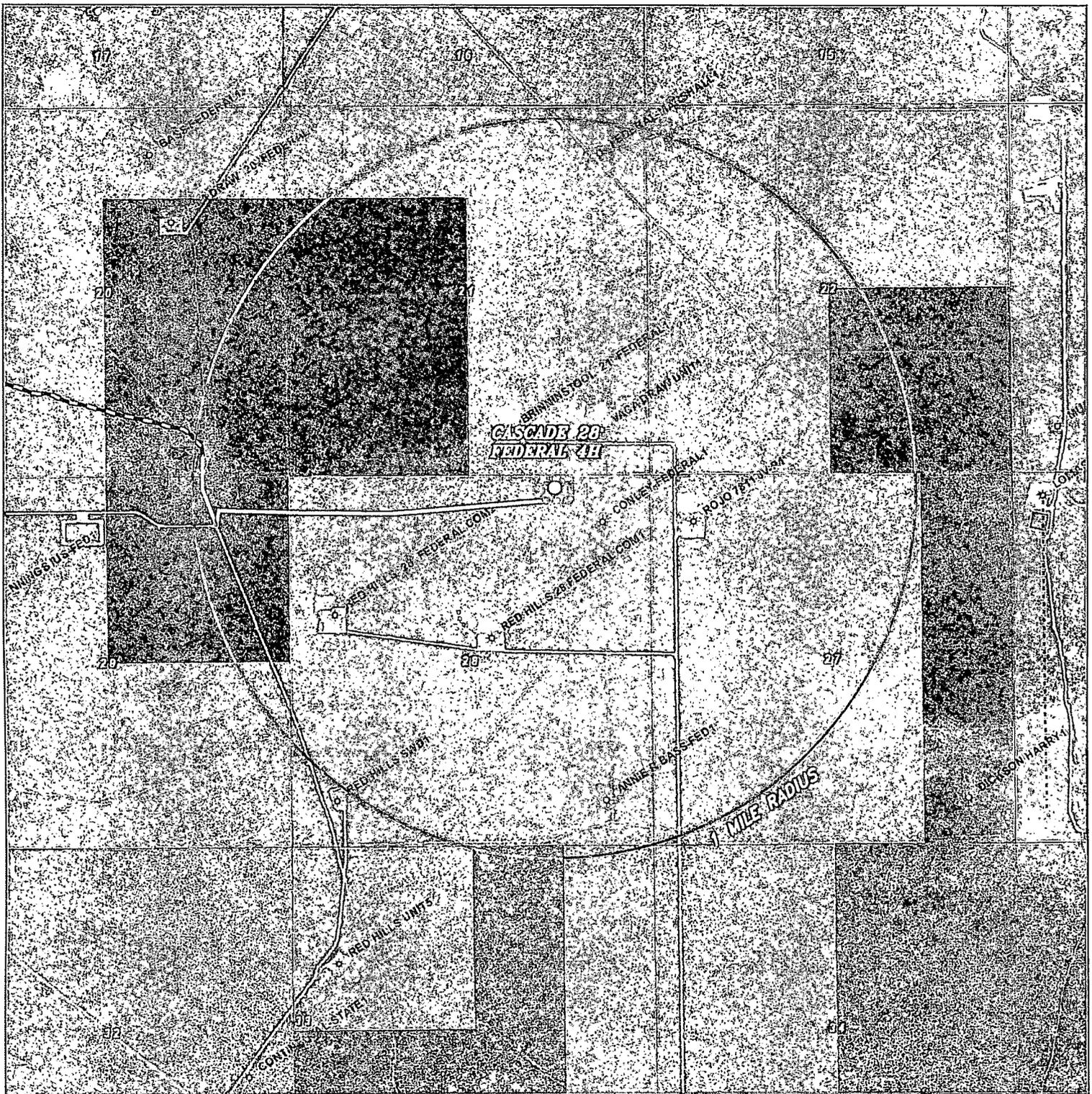
UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/NORTH LINE	FEET from the	East/EAST LINE	County
O	28	25 S	33 E		330	SOUTH	2200	EAST	LEA

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No. NSL Pending
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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



JAN 21 2015

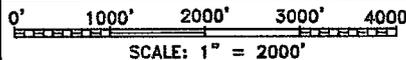


**CASCADE 28 FEDERAL 4H**

Located 180' FNL and 1350' FEL  
 Section 28, Township 25 South, Range 33 East,  
 N.M.P.M., Lea County, New Mexico.



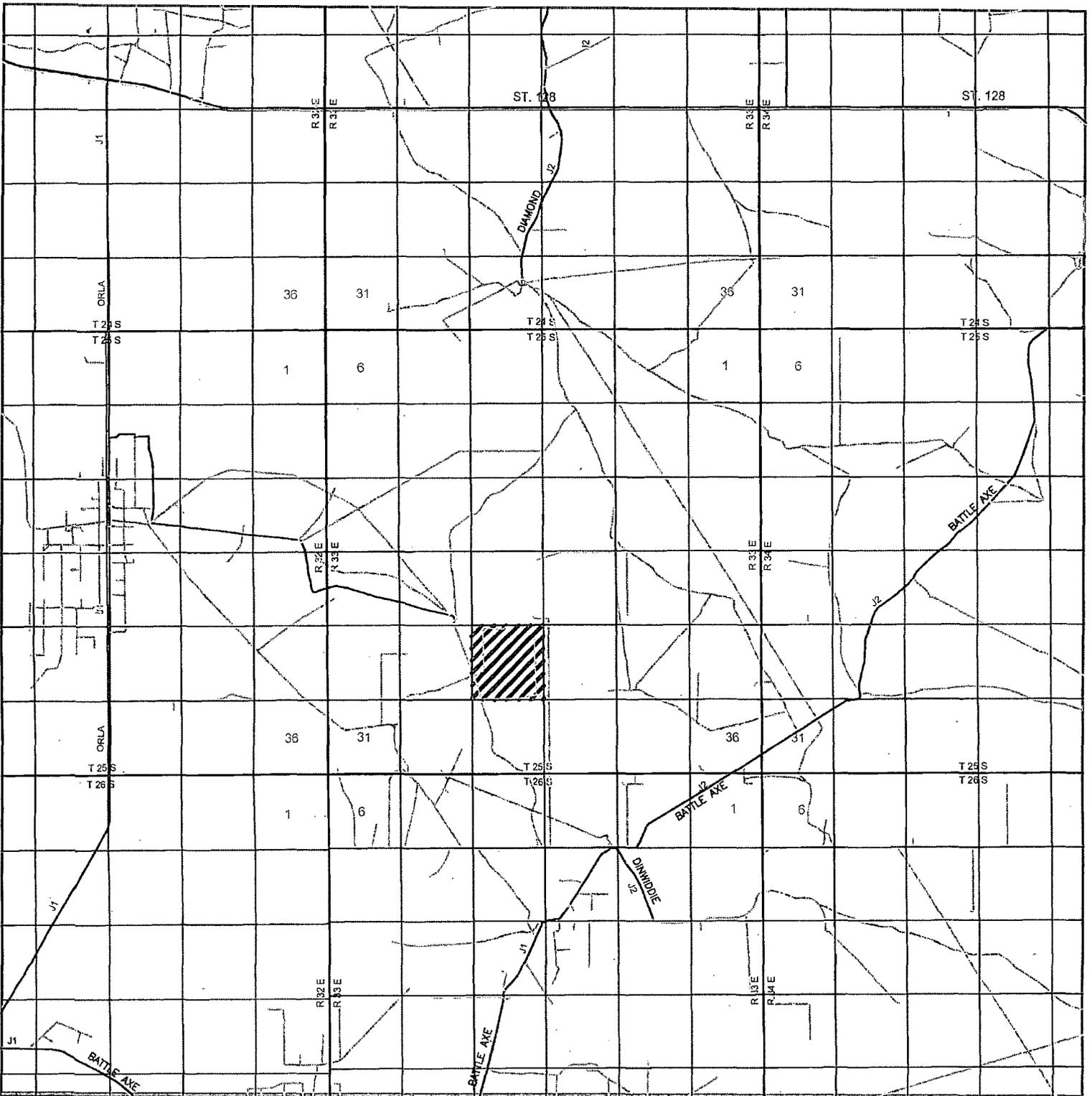
P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (575) 393-7316 - Office  
 (575) 392-2206 - Fax  
 basin-surveys.com



W.O. Number: KAN 29693  
 Survey Date: 12-11-2013

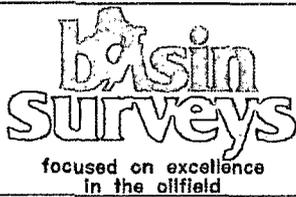
YELLOW TINT - USA LAND  
 BLUE TINT - STATE LAND  
 NATURAL COLOR - USA LAND





**CASCADE 28 FEDERAL 4H**

Located 180' FNL and 1350' FEL  
 Section 28, Township 25 South, Range 33 East,  
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0 1 MI 2 MI 3 MI 4 MI

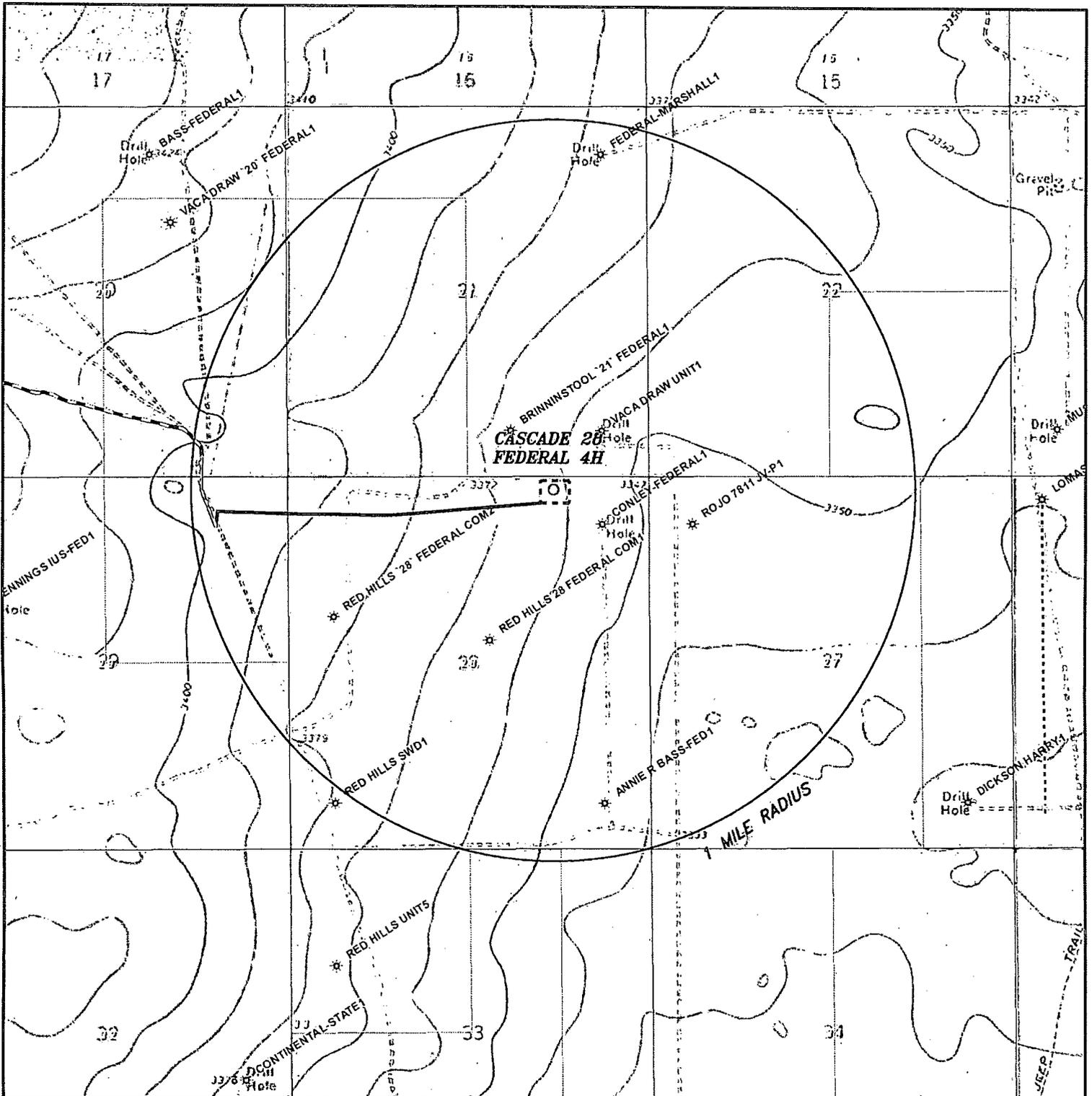
SCALE: 1" = 2 MILES

W.O. Number: KAN 29693

Survey Date: 12-11-2013

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





**CASCADE 28 FEDERAL 4H**

Located 180' FNL and 1350' FEL

Section 28, Township 25 South, Range 33 East,  
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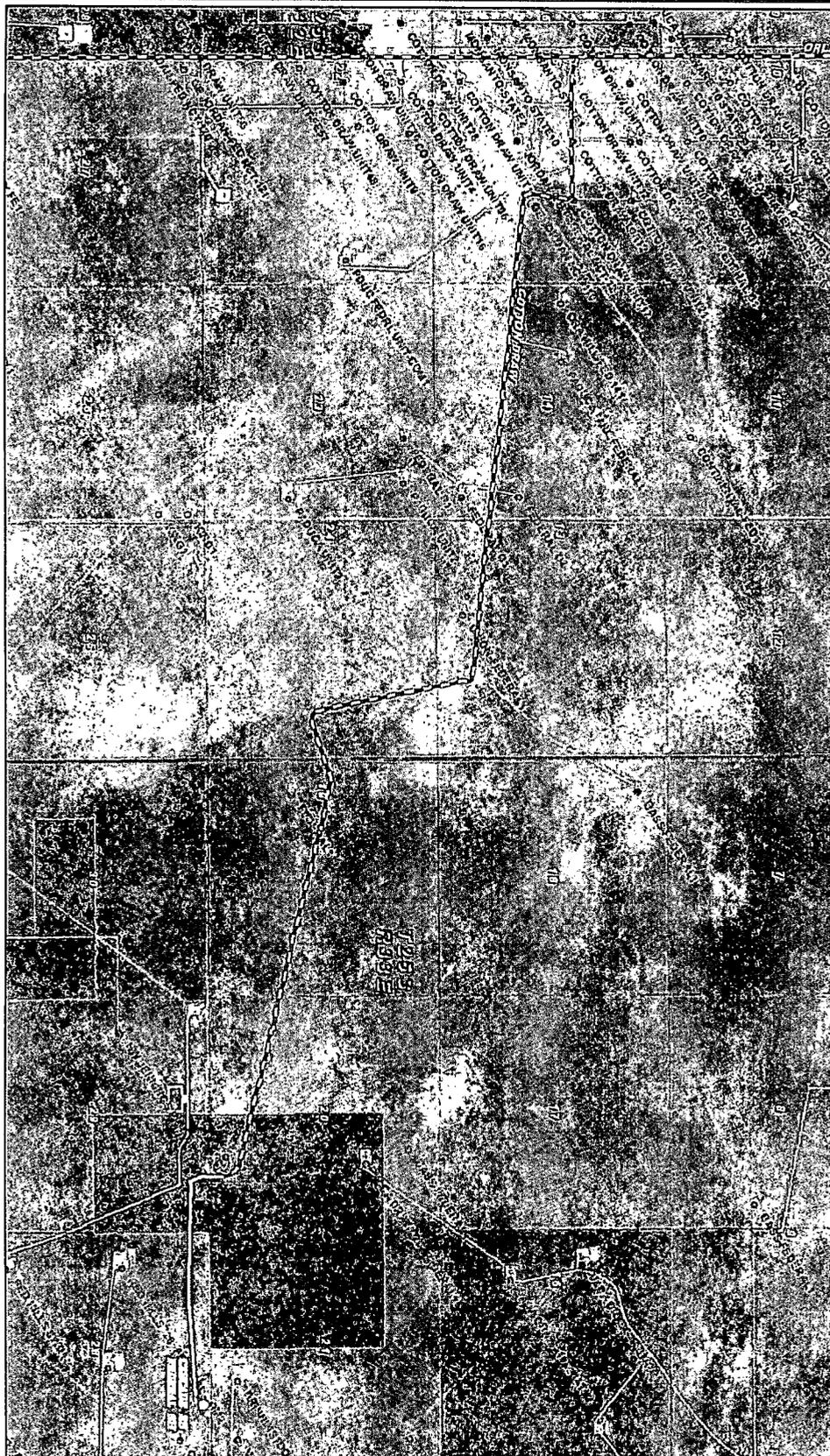


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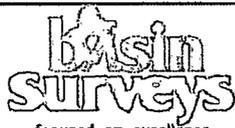
Survey Date: 12-11-2013

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





Cascade 28 Federal  
Public Access Route Map

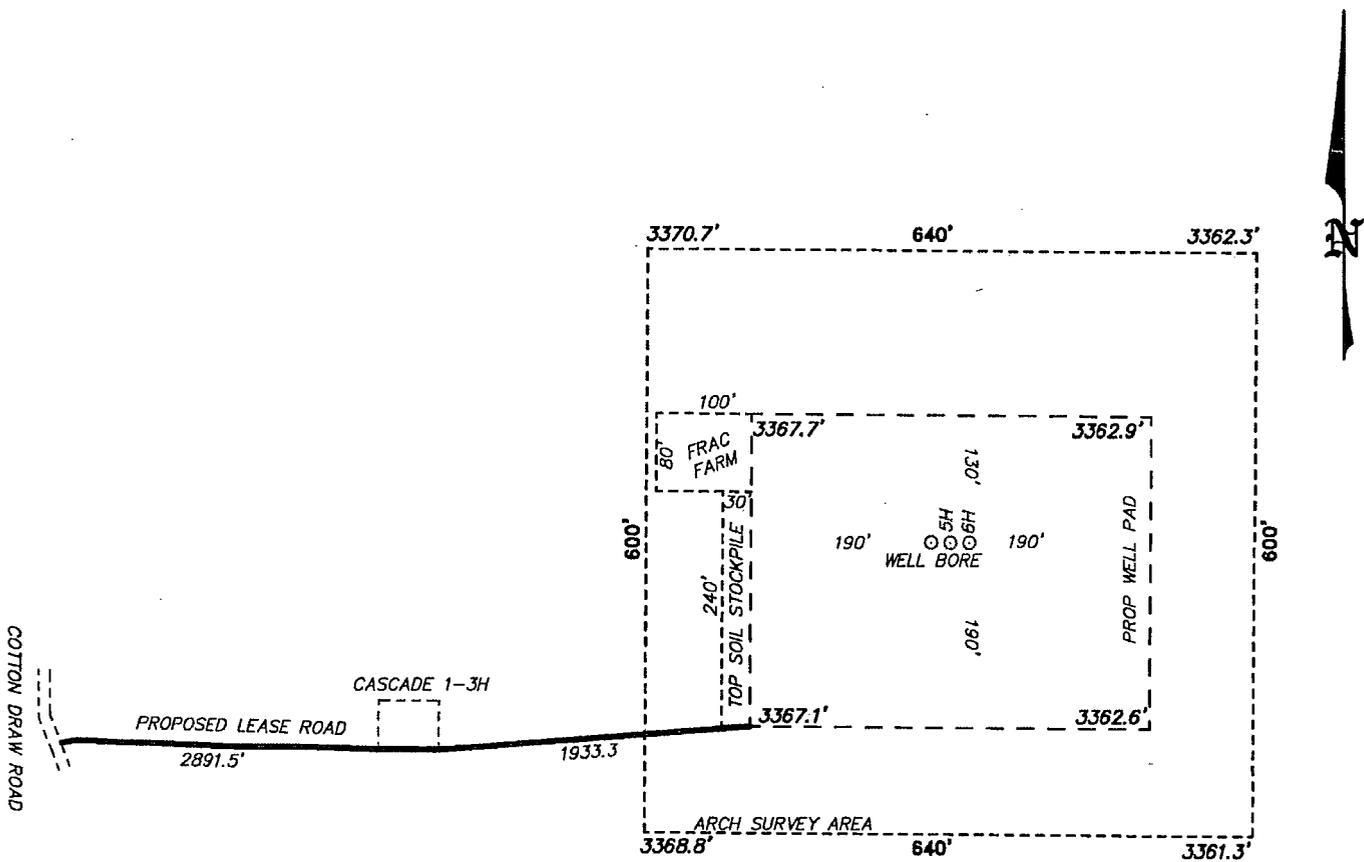
  
**batsin**  
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0' 1500' 3000' 4500' 6000'  
 SCALE: 1" = 3000'  
 W.O. Number: KAN 29695  
 Survey Date: 12-11-2013  
 YELLOW TINT - USA LAND  
 BLUE TINT - STATE LAND  
 NATURAL COLOR - USA LAND

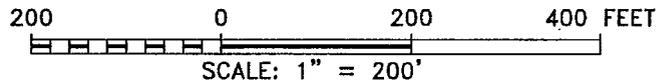
  
**CIMAREX**  
**ENERGY CO.**

SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



**CIMAREX ENERGY CO.**  
**CASCADE 28 FEDERAL 4H**  
**ELEV. - 3367**  
 Lat - N 32°06'29.88"  
 Long - W 103°34'23.33"  
 NMSPCE - N 403965.9  
 E 776711.5  
 (NAD-83)

JAL, NM IS ±23 MILES TO THE EAST OF LOCATION.



Directions to Location:

FROM THE JUNCTION OF ORLA AND COTTON DRAW,  
 TAKE COTTON DRAW EAST TO DEAD END, CONTINUE  
 SOUTH ON LEASE ROAD, AND TURN EAST ON  
 PROPOSED LEASE ROAD.

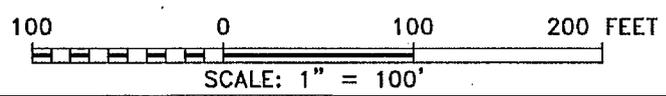
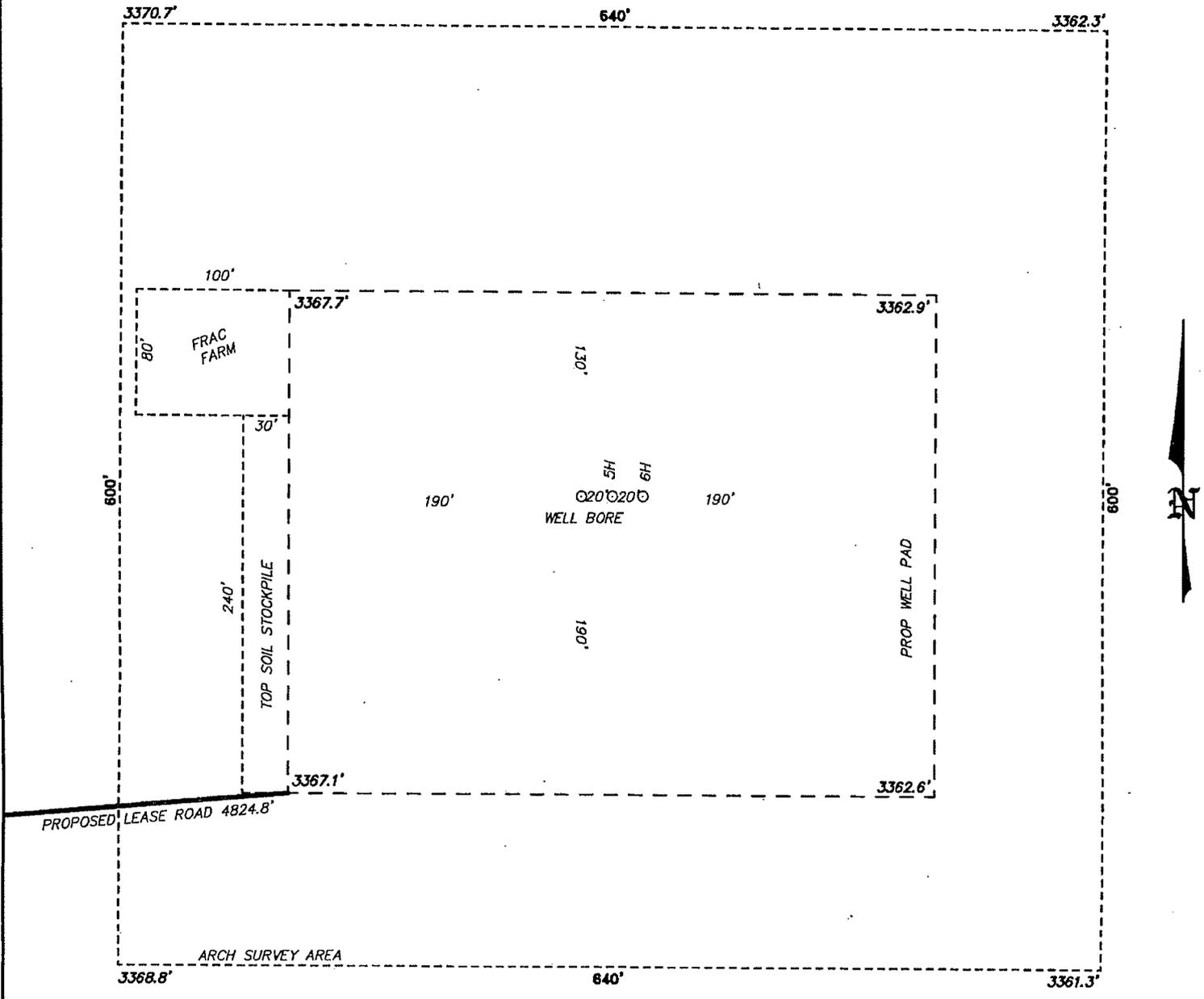


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 basin-surveys.com

<b>CIMAREX ENERGY CO.</b>	
REF: CASCADE 28 FEDERAL 4H / WELL PAD TOPO	
THE CASCADE 28 FEDERAL 4H LOCATED 180' FROM THE NORTH LINE AND 1350' FROM THE EAST LINE OF SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.	

Exhibit C-2

SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



**CIMAREX ENERGY CO.**

REF: CASCADE 28 FEDERAL 4H / WELL PAD TOPO

THE CASCADE 28 FEDERAL 4H LOCATED 180' FROM  
THE NORTH LINE AND 1350' FROM THE EAST LINE OF  
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

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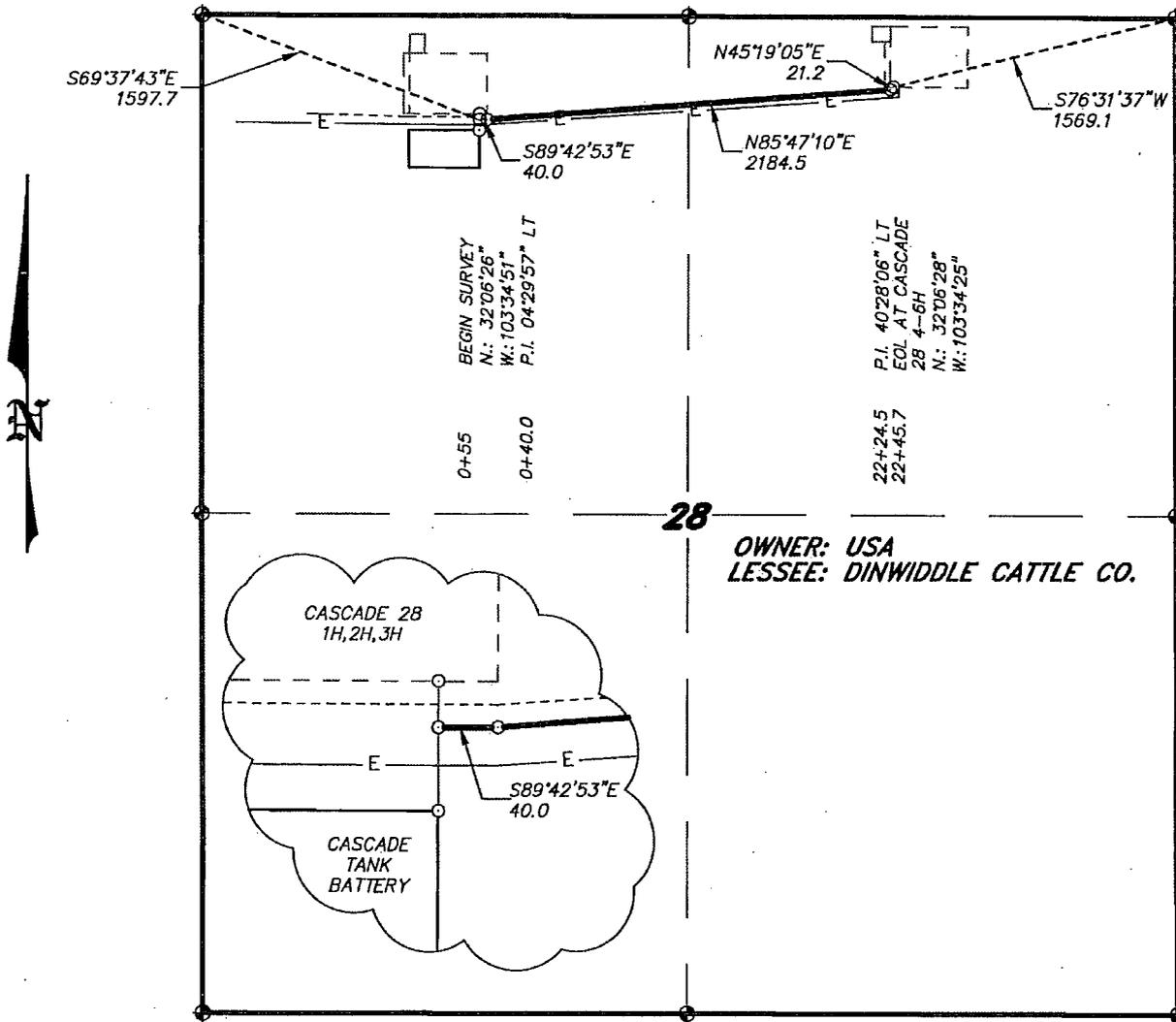
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W.O. Number: 29693	Drawn By: K. NORRIS	Date: 12-30-2013	Survey Date: 12-11-2013	Sheet 1 of 1 Sheets
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Exhibit D-2

SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.

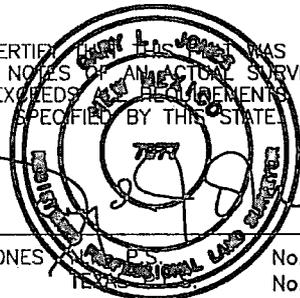


LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

SECTION 28 = 2245.7 FEET = 136.10 RODS = 0.42 MILES = 1.55 ACRES

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



GARY L. JONES, P.L.S. No. 7977  
No. 5074

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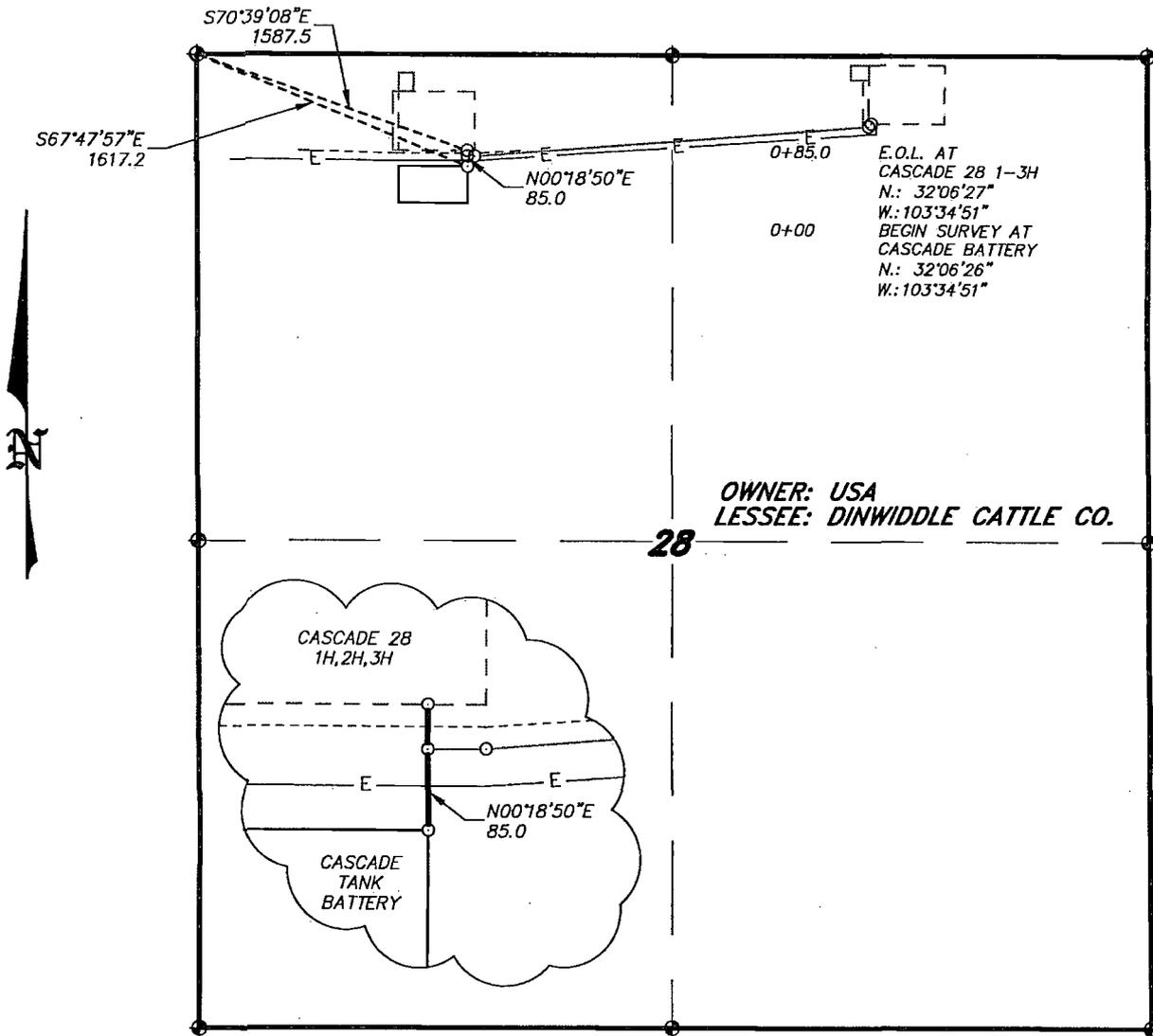


**CIMAREX ENERGY CO.**

REF: PROPOSED CASCADE TANK BATTERY PIPELINE ROW

A TRACT OF LAND LOCATED ON USA LAND IN  
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



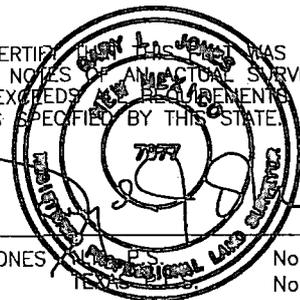
OWNER: USA  
LESSEE: DINWIDDLE CATTLE CO.

LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

SECTION 28 = 85.0 FEET = 5.15 RODS = 0.02 MILES = 0.06 ACRES

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



GARY L. JONES, P.S. No. 7977  
No. 5074

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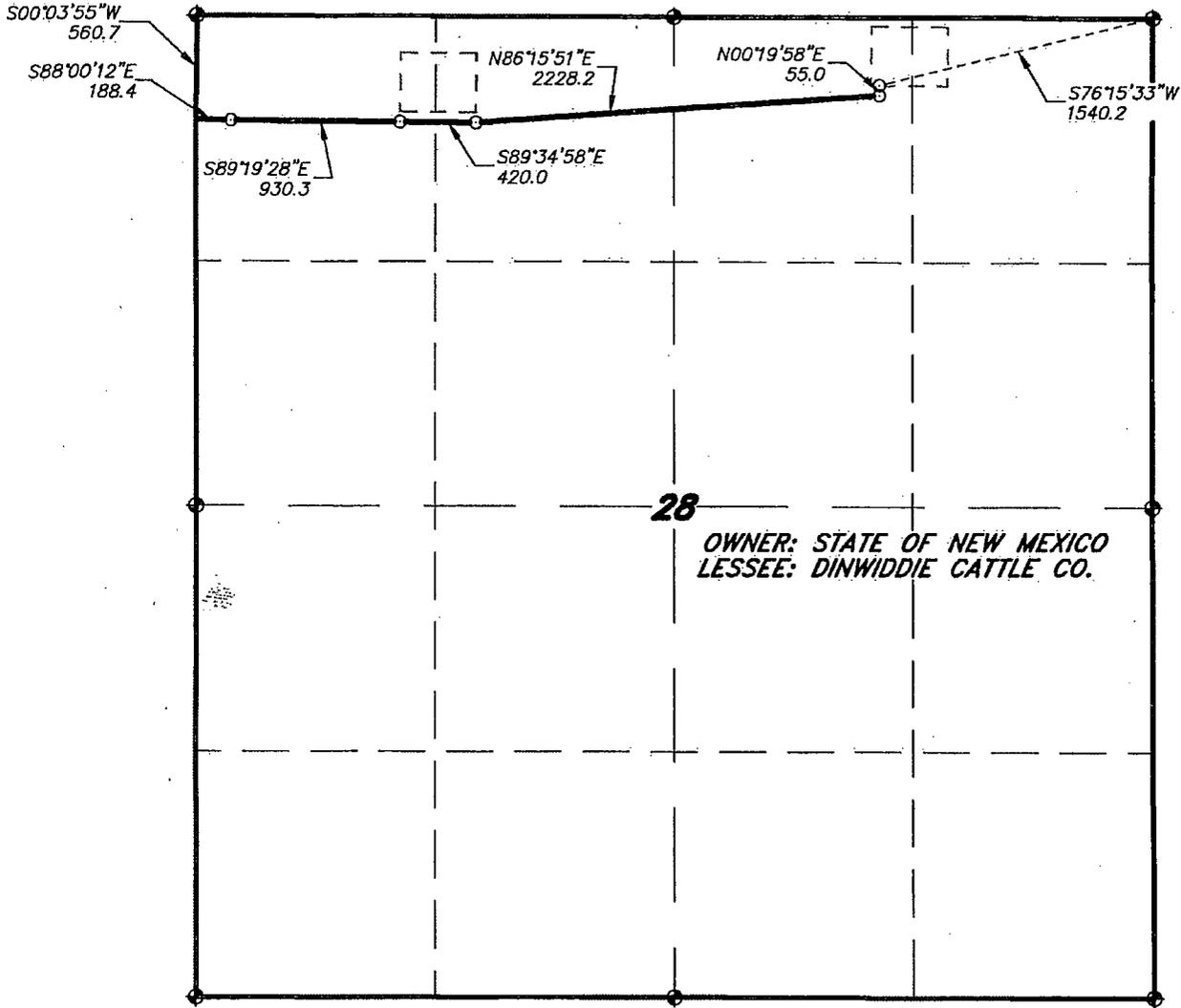


**CIMAREX ENERGY CO.**

REF: PROPOSED CASCADE TANK BATTERY PIPELINE ROW

A TRACT OF LAND LOCATED ON USA LAND IN  
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

**SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.**



**28**

**OWNER: STATE OF NEW MEXICO  
LESSEE: DINWIDDIE CATTLE CO.**

**LEGAL DESCRIPTION**

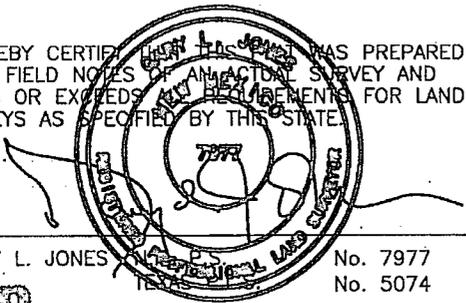
AN ELECTRIC LINE LOCATED IN SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH LIES S.00°03'55"W, 560.7 FEET FROM THE NORTHWEST OF SAID SECTION 28; THENCE S.88°00'12"E., 188.4 FEET; 930.3 FEET; THENCE S.89°34'58"E., 420.0 FEET; THENCE N.86°15'51"E., 2228.2 FEET; THENCE N.00°19'58"E., 55.0 FEET TO THE END OF THIS LINE WHICH LIES S.76°15'33"W, 1540.2 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 28. SAID STRIP OF LAND BEING 3821.9' FEET OR 231.63 RODS IN LENGTH AND CONTAINING 2.63 ACRES, MORE OR LESS, AND BEING ALLOCATED BY FORTIES IN SAID SECTION 28 AS FOLLOWS:

NW/4 NW/4 = 75.45 RODS = 0.86 ACRES      NE/4 NW/4 = 79.82 RODS = 0.91 ACRES

NW/4 NE/4 = 72.11 RODS OR 0.82 ACRES

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



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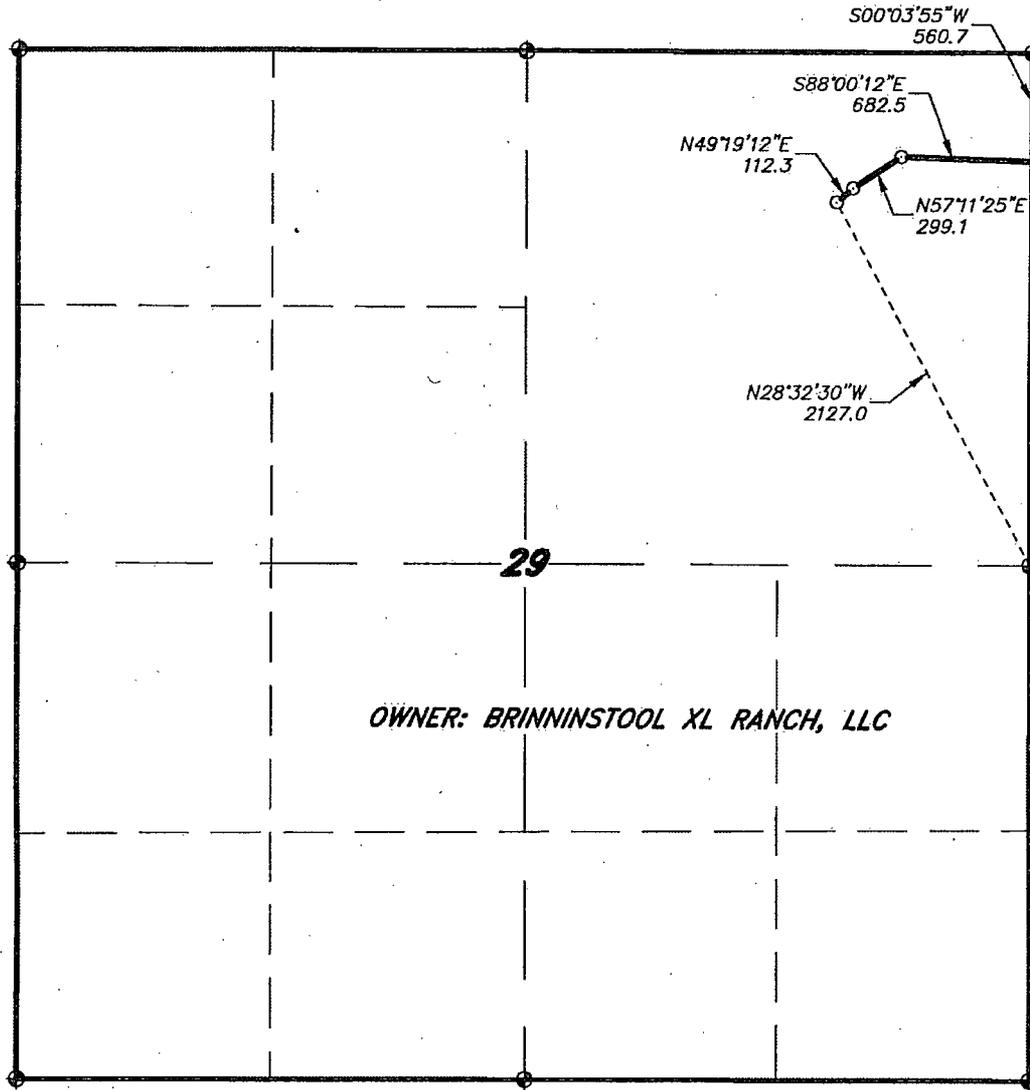


**CIMAREX ENERGY CO.**

REF: PROPOSED CASCADE ELECTRIC LINE

AN ELECTRIC LINE LOCATED ON STATE LAND IN  
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

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



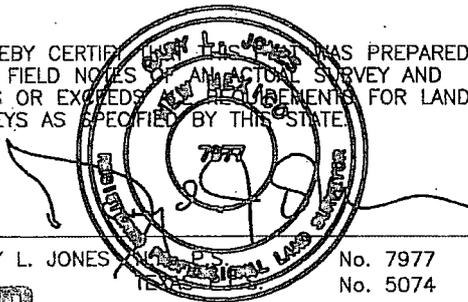
**OWNER: BRINNINSTOOL XL RANCH, LLC**

**LEGAL DESCRIPTION**

AN ELECTRIC LINE 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 N.28°32'30"W, 2127.0 FEET FROM THE EAST QUARTER SECTION OF SAID SECTION 29; THENCE N.49°19'12"E, 112.3 FEET; THENCE N.57°11'25"E, 299.1 FEET; THENCE S.88°00'12"E, 682.5 FEET TO A POINT ON THE EAST SECTION LINE WHICH LIES S.00°03'55"W, 560.7 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 29. SAID STRIP OF LAND BEING 1093.9' FEET OR 66.30 RODS IN LENGTH AND CONTAINING 0.75 ACRES, MORE OR LESS.

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.



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**CIMAREX ENERGY CO.**

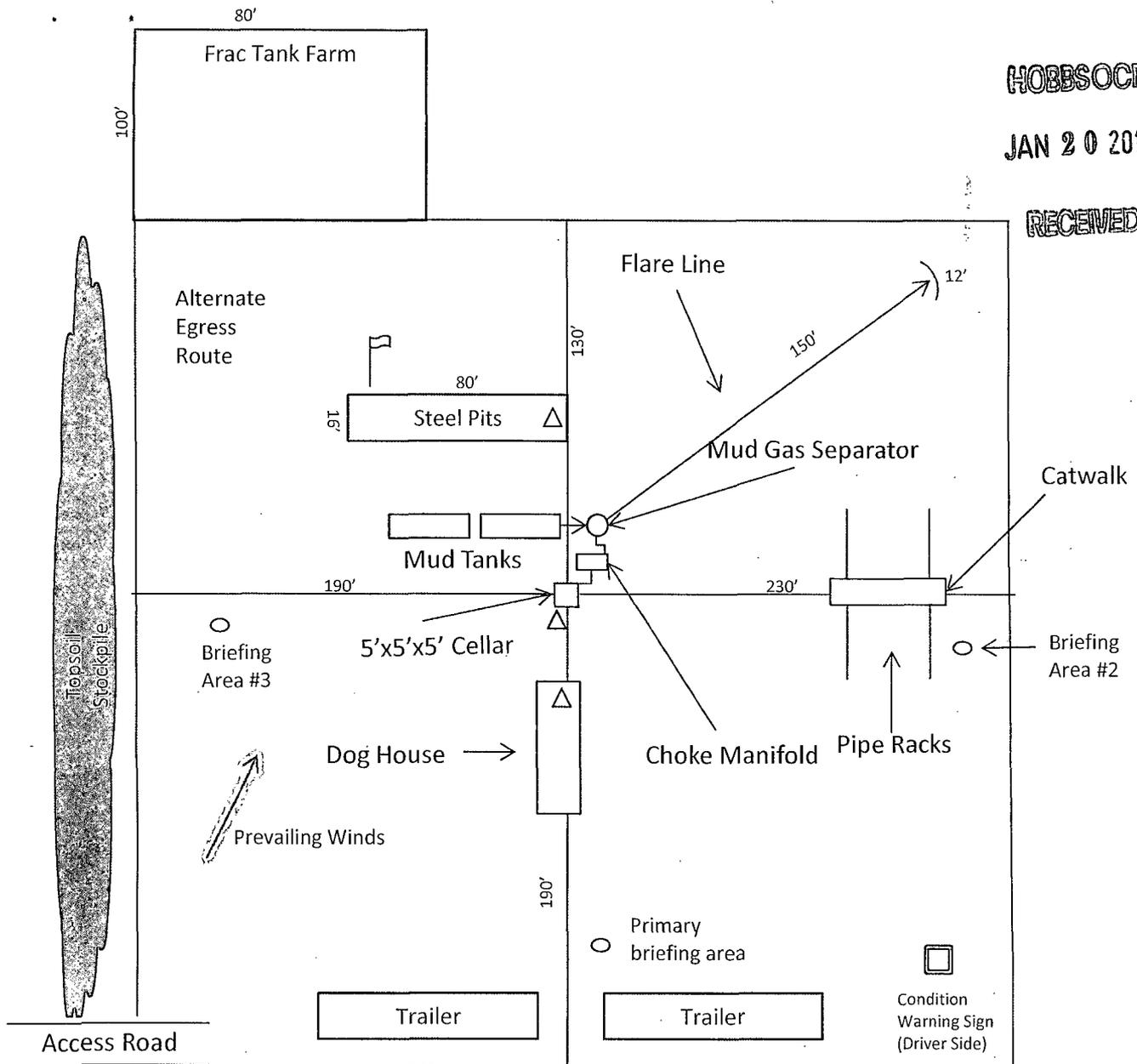
REF: PROPOSED CASCADE ELECTRIC LINE

AN ELECTRIC LINE LOCATED ON STATE LAND IN  
SECTION 29, TOWNSHIP 25 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

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Wind Direction Indicators (wind sock or streamers)



• H2S Monitors (alarms at bell nipple and shale shaker)



Briefing Areas



Exhibit D-1 – Rig Diagram

**Cascade 28 Federal 4H**

Cimarex Energy Co.

28-25S-33E

SHL 180 FNL & 1350 FEL

BHL 330 FSL & 2200 FEL

Lea County, NM