

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-6720

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) 334-6176 Fax: (505) 334-6170

DISTRICT IV
1225 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

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

HOBBS

JAN 20 2015

RECEIVED

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

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
GRID 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

<p>N: 404128.7 E: 772802.7 (NAD83)</p>	<p>SURFACE LOCATION Lat - N 32°06'29.88" Long - W 103°34'23.33" NMSPC - N 403965.9 E 776711.5 (NAD-83)</p>	<p>N: 404138.2 E: 775431.1 (NAD83)</p>	<p>180' 3368.8' 3361.3'</p>	<p>N: 404153.1 E: 778069.7 (NAD83)</p>	<p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Aricka Easterling</i> 3-12-14 Signature Date Aricka Easterling Printed Name aeasterling@cimarex.com Email Address</p>
<p>N: 401488.1 E: 772819.8 (NAD83)</p>				<p>N: 401510.4 E: 778063.7 (NAD83)</p>	<p>SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. DECEMBER 14, 2013 Date Surveyed Signature of Professional Surveyor Certificate No. 7977 Scale: 1" = 1000' WO Num.: 29693</p>
<p>N: 398848.7 E: 772836.8 (NAD83)</p>	<p>PROPOSED BOTTOM HOLE LOCATION Lat - N 32°05'42.70" Long - W 103°34'33.09" NMSPC - N 399192.4 E 775905.7 (NAD-83)</p>	<p>N: 398860.8 E: 775471.8 (NAD83)</p>	<p>B.H.</p>	<p>N: 398872.3 E: 778108.4 (NAD83)</p>	

JAN 21 2015

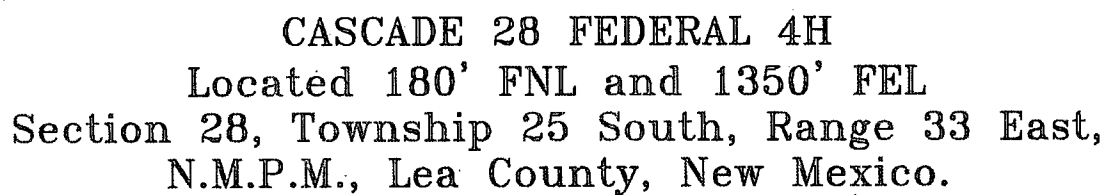
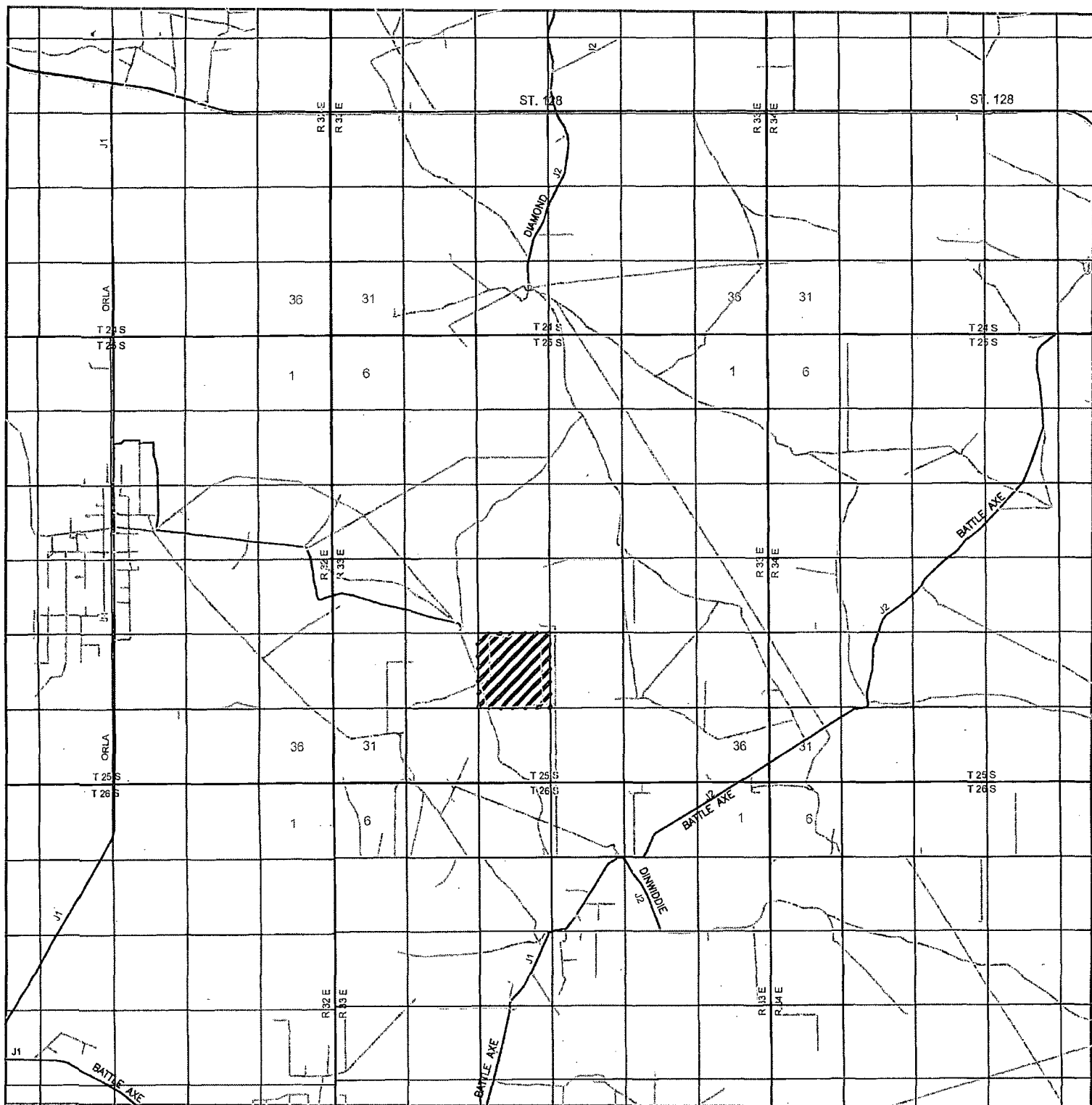
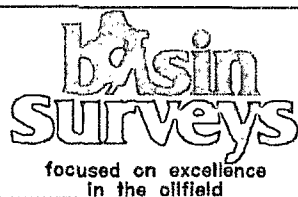


Exhibit A



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
 basinsurveys.com

0 1 MI 2 MI 3 MI 4 MI

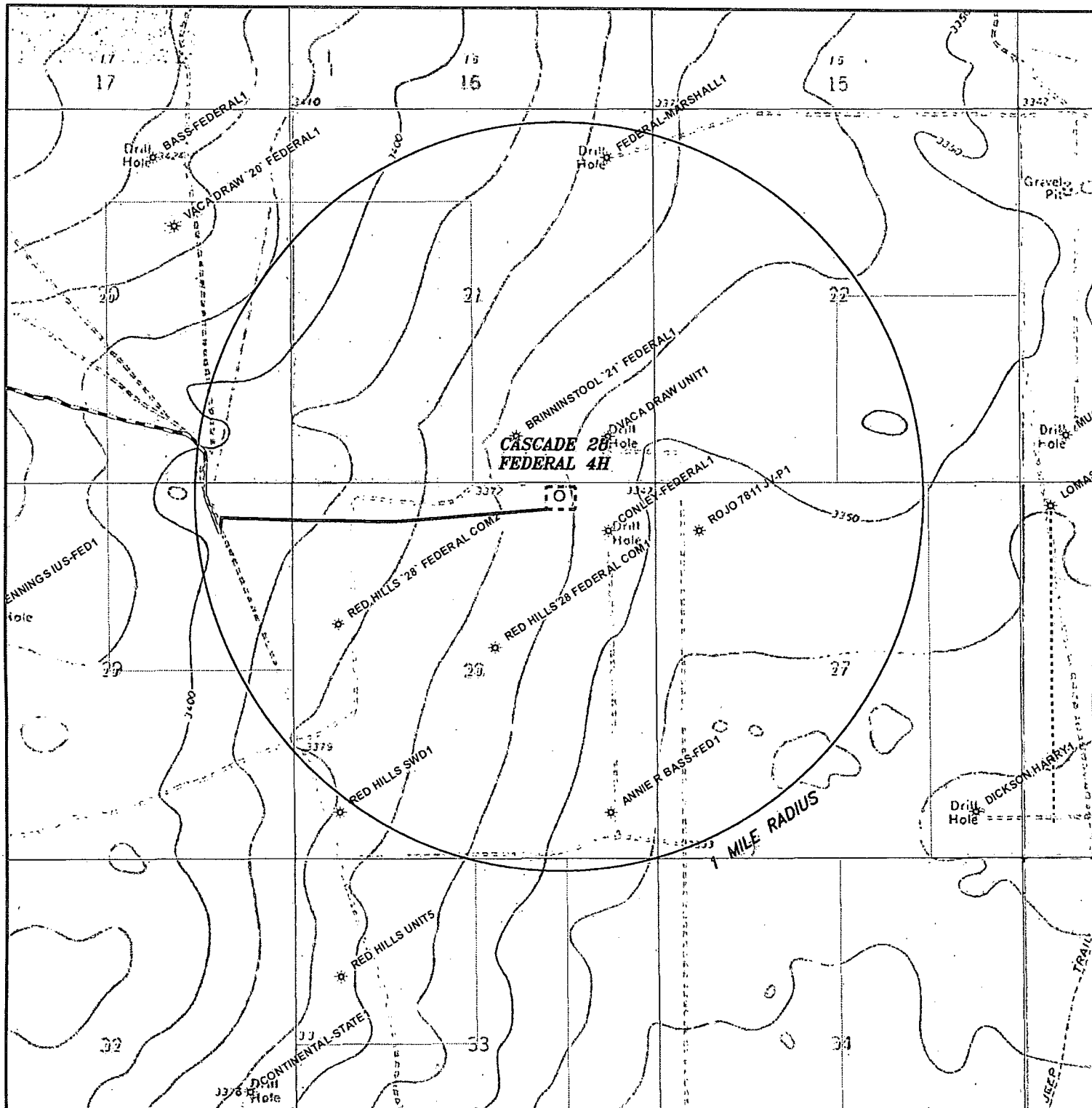
SCALE: 1" = 2 MILES

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,
 N.M.P.M., Lea County, New Mexico.

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0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

W.O. Number: KAN 29693

Survey Date: 12-11-2013

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

CIMAREX
 ENERGY CO.



Cascade 28 Federal
Public Access Route Map

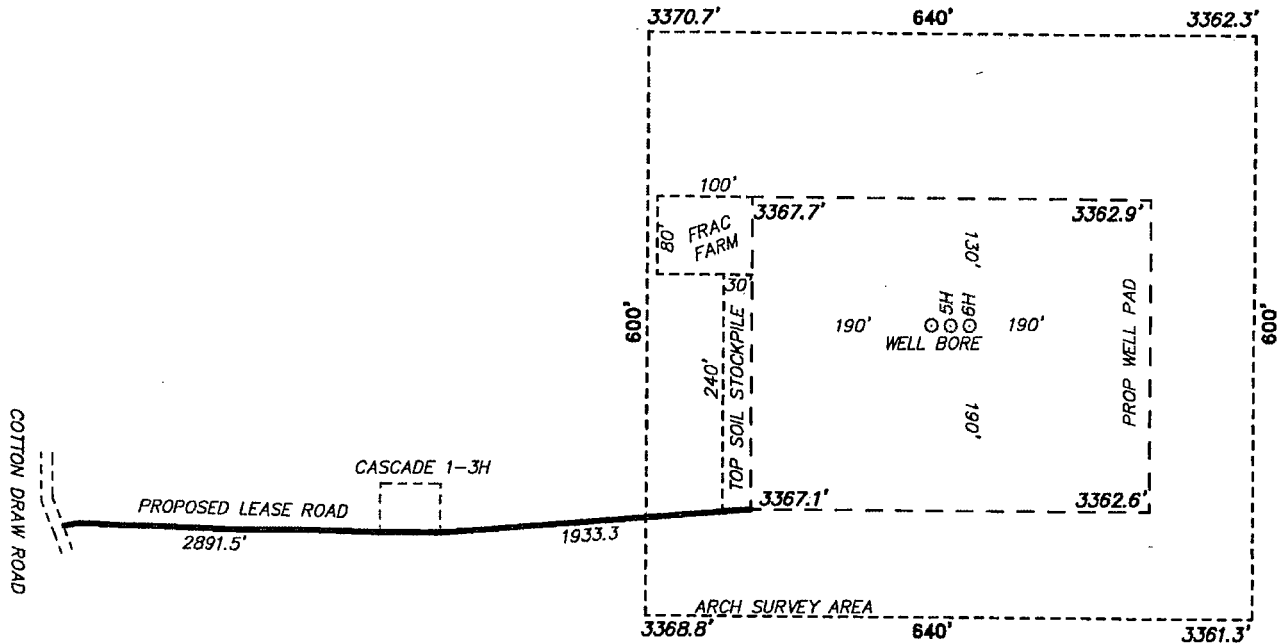
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0' 1500' 3000' 4500' 6000'
SCALE: 1" = 3000'
W.O. Number: KAN 29695
Survey Date: 12-11-2013
YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - USA LAND

CIMAREX
ENERGY CO.

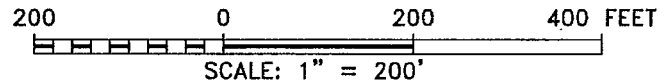
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



CIMAREX ENERGY CO.
CASCADE 28 FEDERAL 4H
ELEV. - 3367

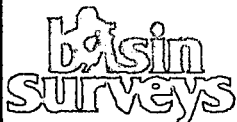
Lat - N 32°06'29.88"
Long - W 103°34'23.33"
NMSPCE- N 403965.9
E 776711.5
(NAD-83)

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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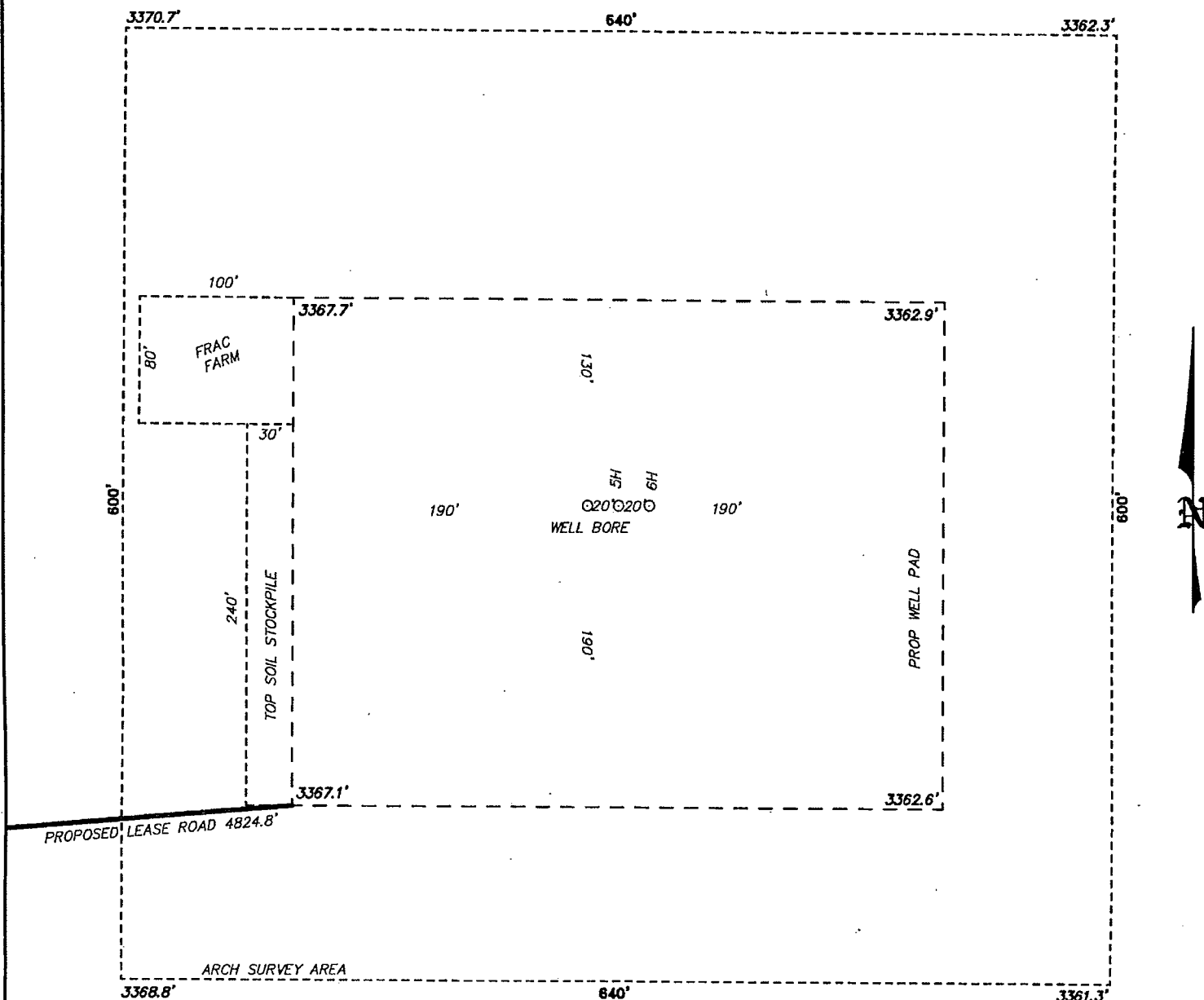
CIMAREX ENERGY CO.

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.

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

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



100 0 100 200 FEET
SCALE: 1" = 100'

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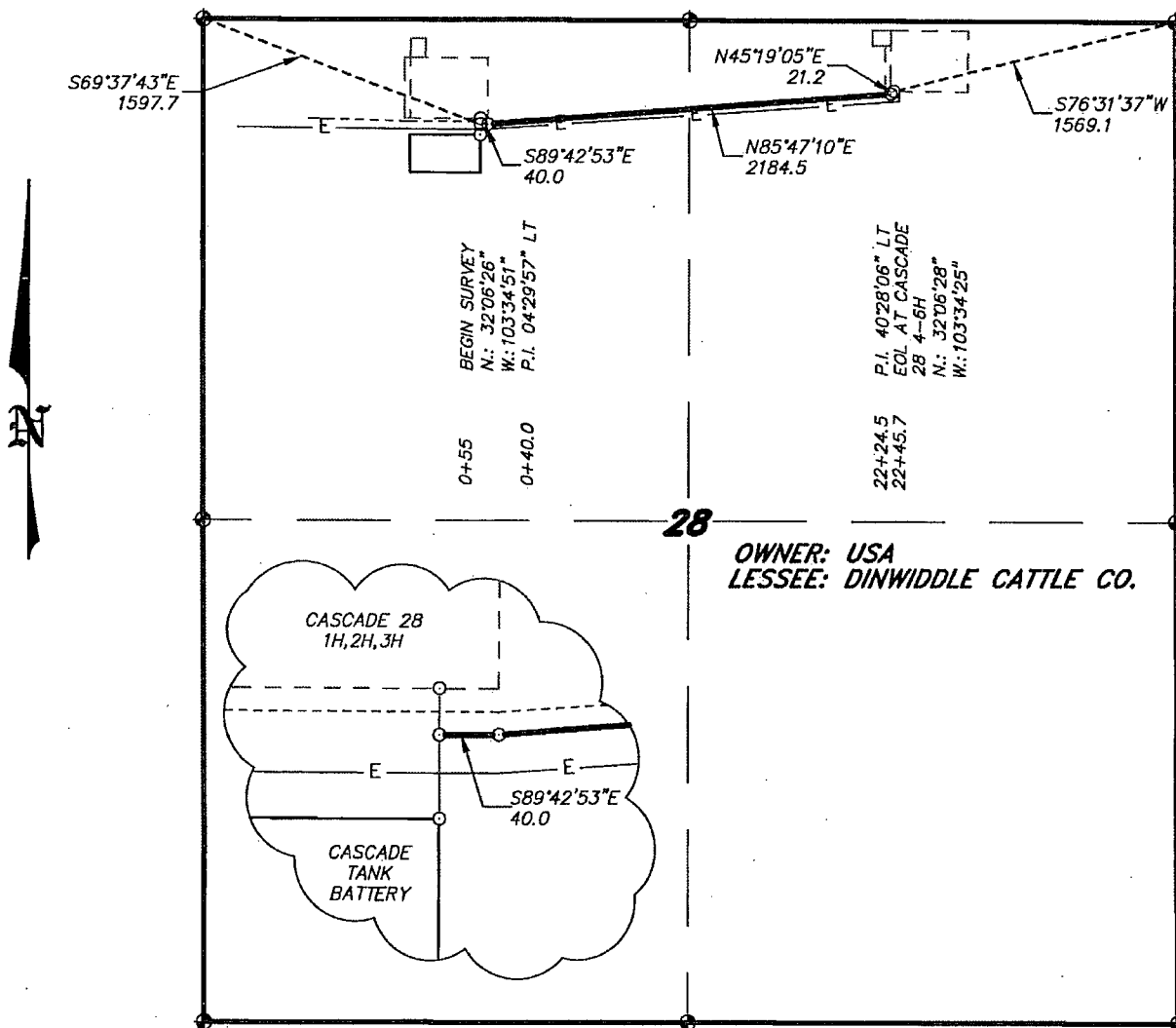
CIMAREX ENERGY CO.

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.

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

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

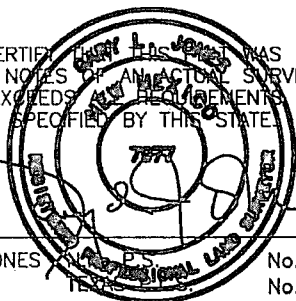


LEGAL DESCRIPTION

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 MAP 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

No. 7977
No. 5074

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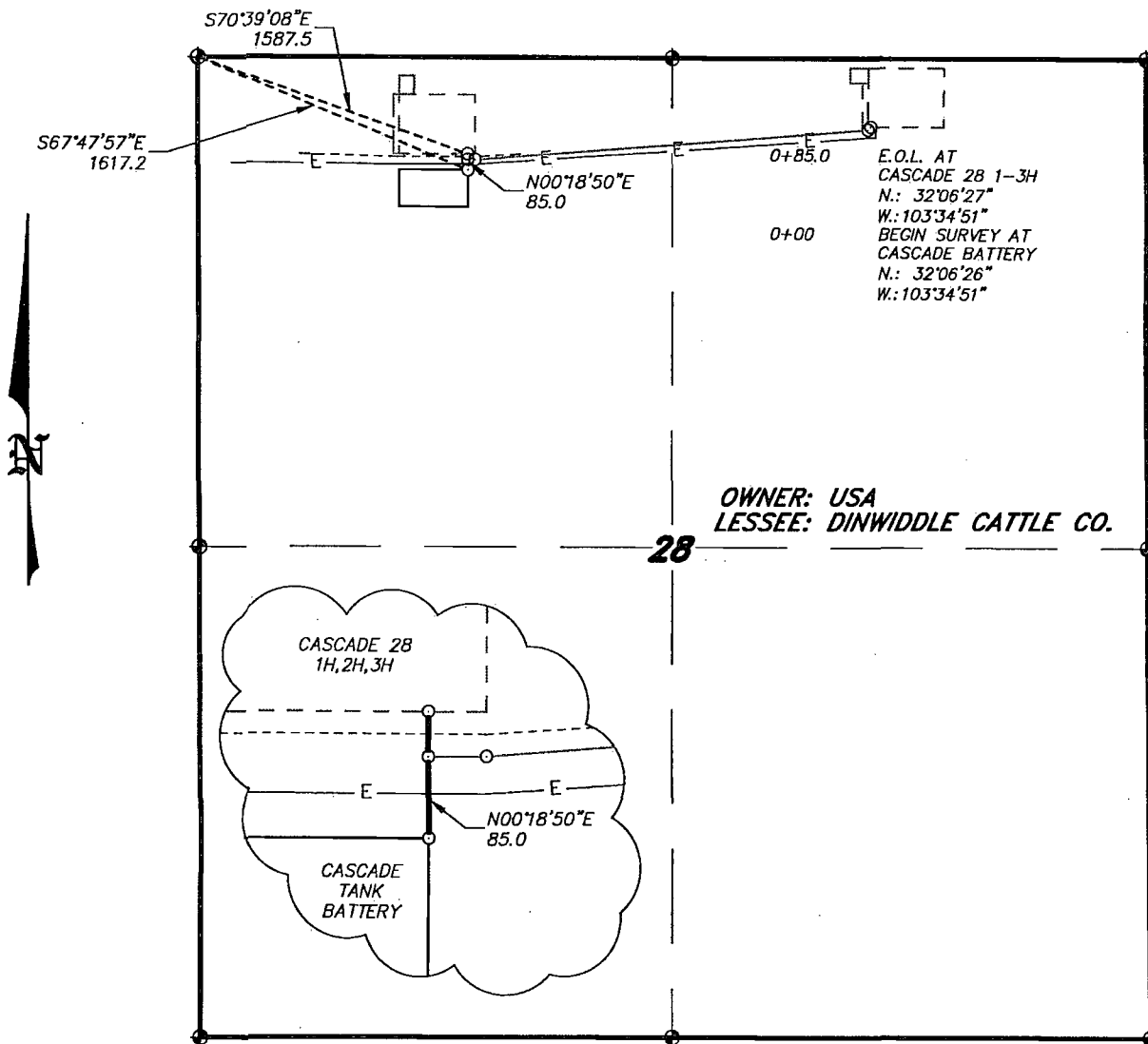
1000 0 1000 2000 FEET

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 MAP 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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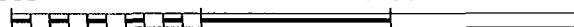
Hobbs, New Mexico 88241

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1000 0 1000 2000 FEET



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.

W.O. Number: 29875

Drawn By: K. NORRIS

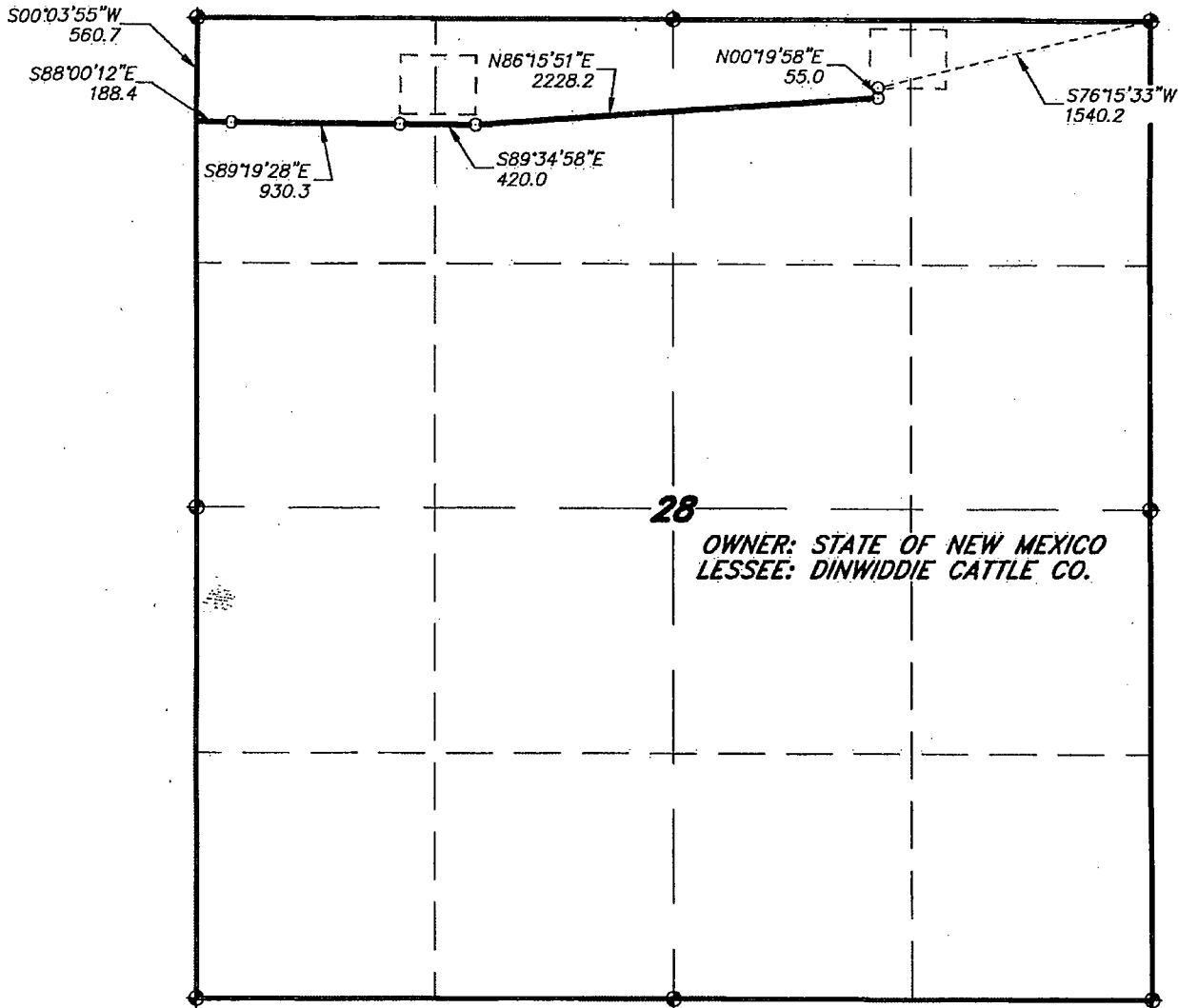
Date: 12-30-2013

Survey Date: 12-10-2013

Sheet 1 of 1 Sheets

Exhibit G

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



LEGAL DESCRIPTION

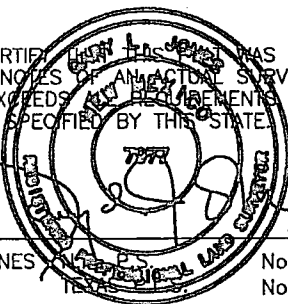
AN ELECTRIC LINE LOCATED IN SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

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 MAP 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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1000 0 1000 2000 FEET

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.

W.O. Number: 29690

Drawn By: K. NORRIS

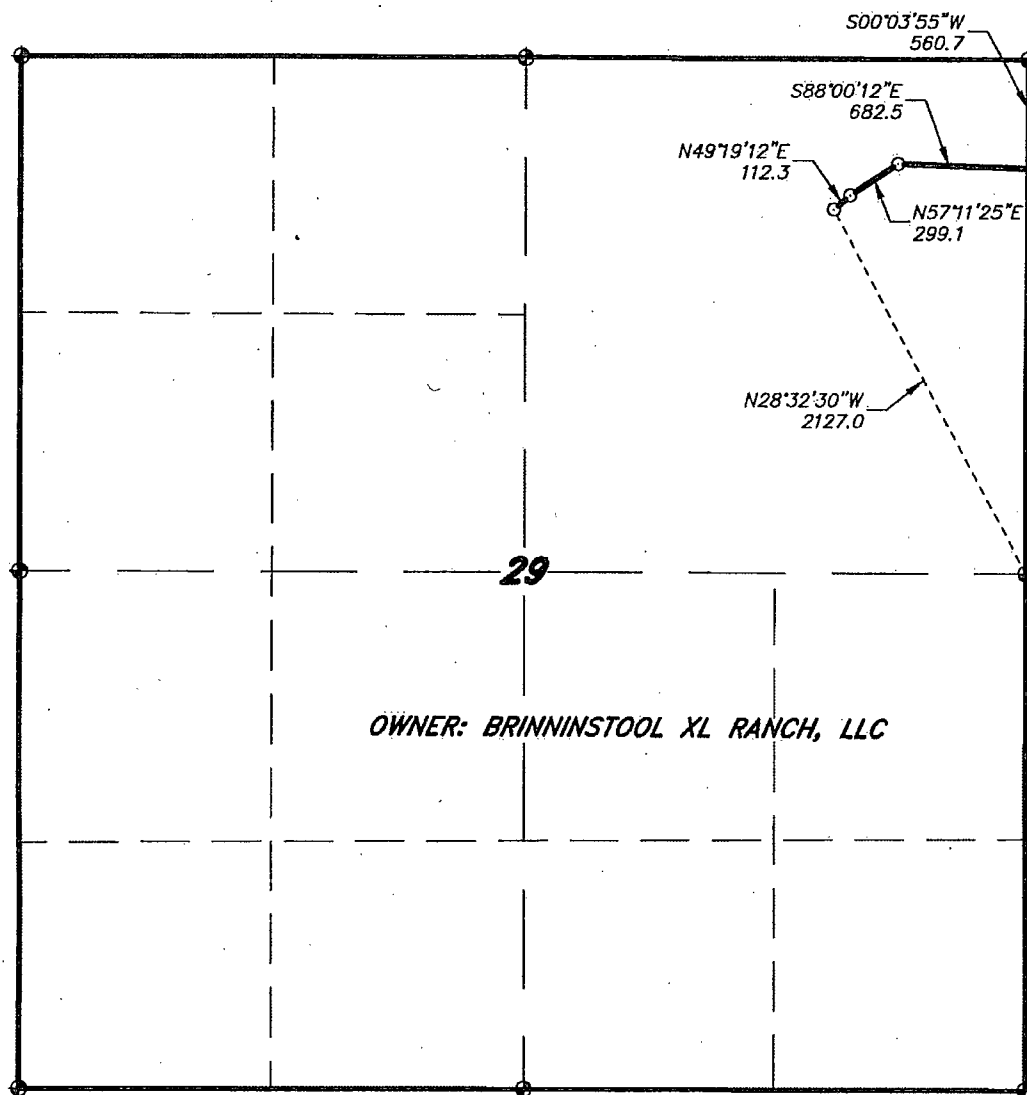
Date: 12-30-2013

Survey Date: 12-11-2013

Sheet 2 of 2 Sheets

Exhibit H

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



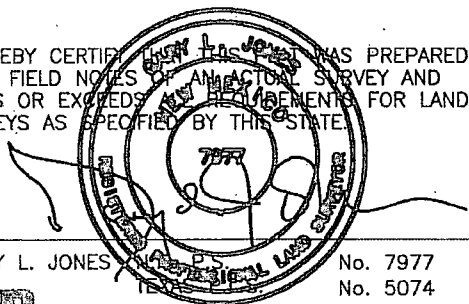
OWNER: BRINNINSTOOL XL RANCH, LLC

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 ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



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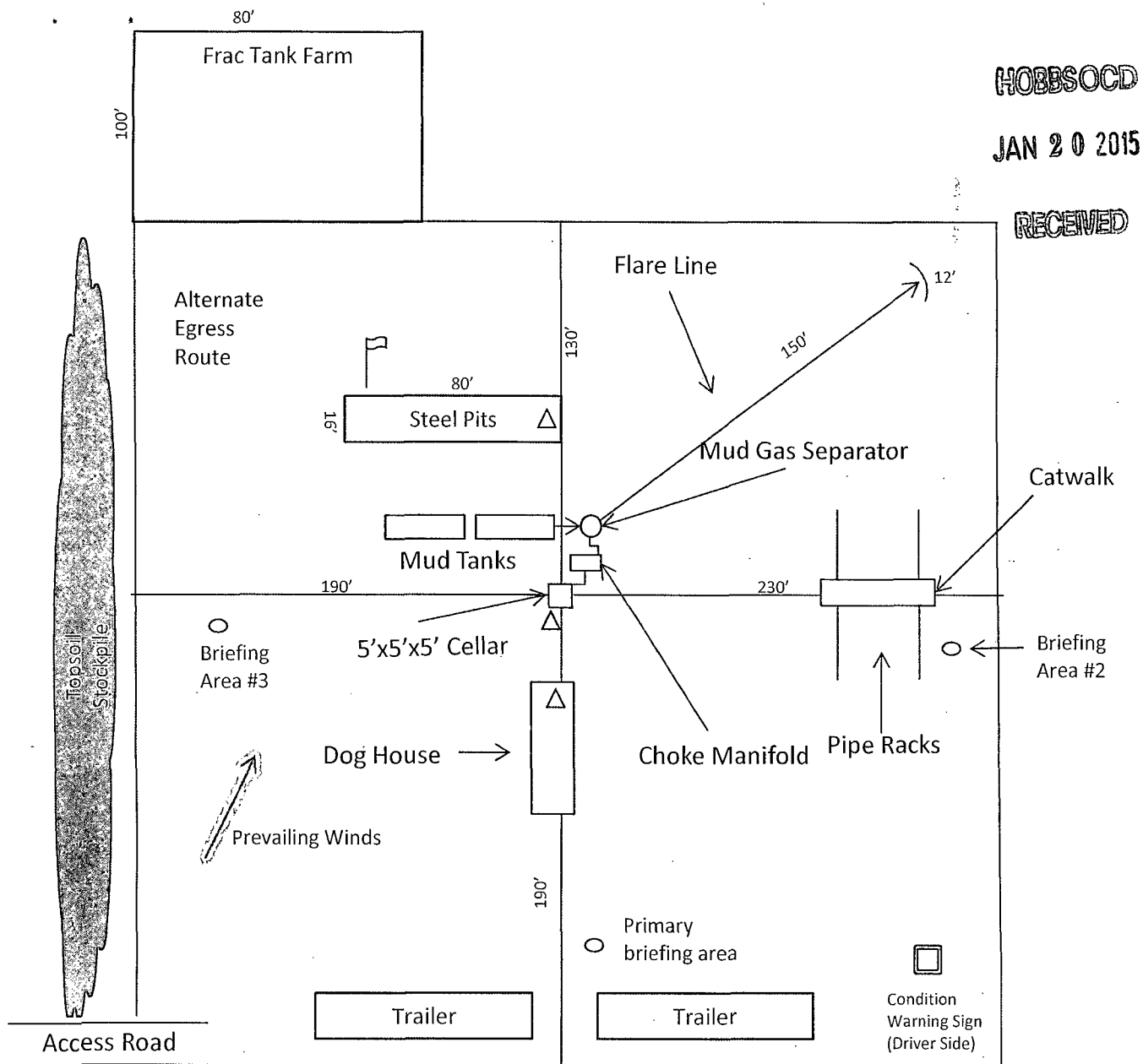
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com




1000 0 1000 2000 FEET

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.



-  Wind Direction Indicators (wind sock or streamers)
- H2S Monitors (alarms at bell nipple and shale shaker)
- 
-  Briefing Areas

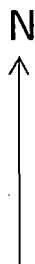


Exhibit D-1 – Rig Diagram
Cascade 28 Federal 4H
 Cimarex Energy Co.
 28-25S-33E
 SHL 180 FNL & 1350 FEL
 BHL 330 FSL & 2200 FEL
 Lea County, NM