

DISTRICT I  
1825 N. French Dr., Hobbs, NM 88240  
Phone (575) 393-6161 Fax: (575) 393-6720

DISTRICT II  
611 S. First St., Artesia, NM 88210  
Phone (575) 746-1263 Fax: (575) 746-9720

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone (505) 334-6178 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

Form C-102  
Revised August 1, 2011

OIL CONSERVATION DIVISION

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

HOBBSCO

JAN 20 2015

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30025- <b>92374</b>	Pool Code <b>97900</b>	Pool Name <b>Red Hills Upper</b> Bone Spring/Wildcat <b>Shale</b>
Property Code <b>314104</b>	Property Name <b>CASCADE 28 FEDERAL</b>	Well Number <b>6H</b>
GRID No. 215099	Operator Name <b>CIMAREX ENERGY CO.</b>	Elevation <b>3365</b>

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>A</b>	<b>28</b>	<b>25 S</b>	<b>33 E</b>		<b>180</b>	<b>NORTH</b>	<b>1310</b>	<b>EAST</b>	<b>LEA</b>

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
<b>P</b>	<b>28</b>	<b>25 S</b>	<b>33 E</b>		<b>330</b>	<b>SOUTH</b>	<b>440</b>	<b>EAST</b>	<b>LEA</b>
Dedicated Acres <b>160</b>	Joint or Infill	Consolidation Code	Order No. <b>NSL Pending</b>						

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

N: 40128.7 E: 772802.7 (NAD83)	<b>SURFACE LOCATION</b> Lat - N 32°06'29.88" Long - W 103°34'22.88" NMSPEC - N 403966.2 E 776751.5 (NAD-83)	N: 40138.2 E: 776431.1 (NAD83)	180'	S.L.	1310'	N: 40153.1 E: 778059.7 (NAD83)
N: 40148.1 E: 772818.6 (NAD83)			3368.8'		3361.3'	
N: 398848.7 E: 772836.8 (NAD83)	<b>PROPOSED BOTTOM HOLE LOCATION</b> Lat - N 32°05'42.65" Long - W 103°34'12.63" NMSPEC - N 399200.2 E 777665.4 (NAD-83)	N: 398860.8 E: 775471.6 (NAD83)		B.H.	440'	N: 398872.3 E: 776108.4 (NAD83)

**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.

*Aricka Easterling* 3-13-14  
Signature Date

Aricka Easterling  
Printed Name  
aeasterling@cimarex.com  
Email Address

**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.

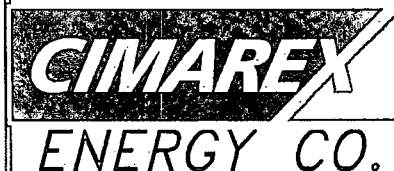
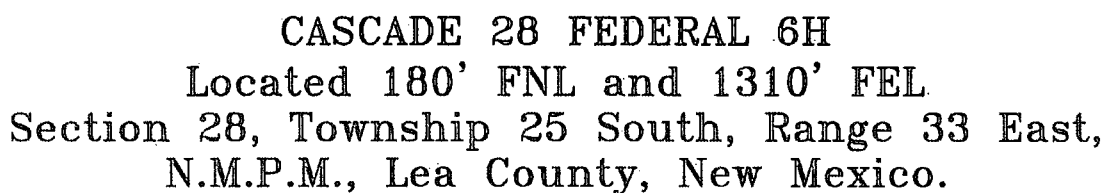
DECEMBER 16 2013  
Date Surveyed

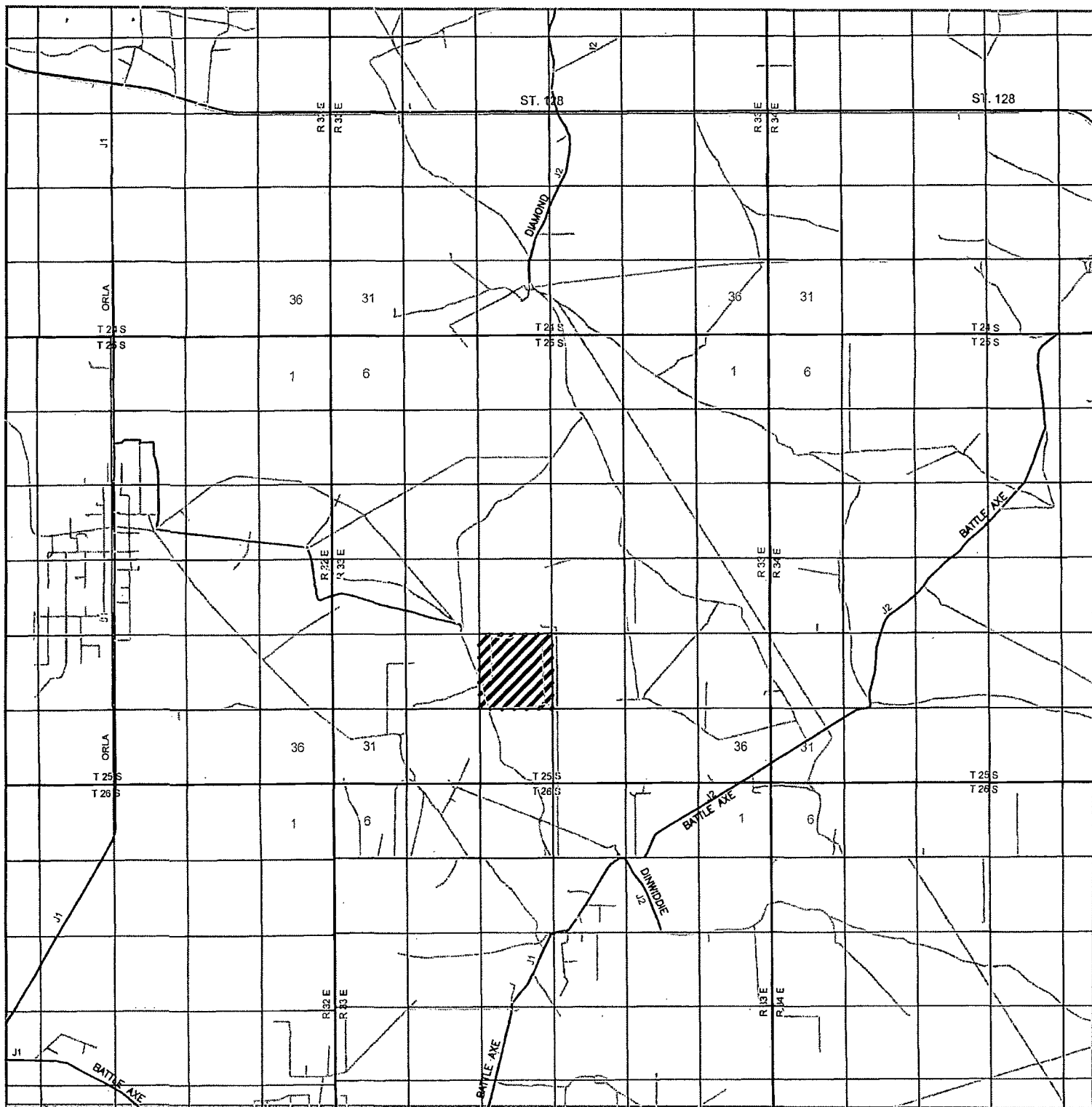
Signature of Professional Surveyor

Certified to be a true and correct copy of the original 7977

Scale: 1" = 1000'  
WO Num.: 29695

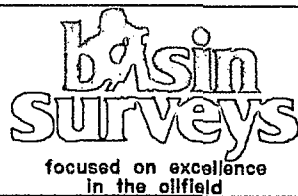
JAN 21 2015





# **CASCADE 28 FEDERAL 6H**

**Located 180' FNL and 1310' 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

0 1 MI 2 MI 3 MI 4 MI

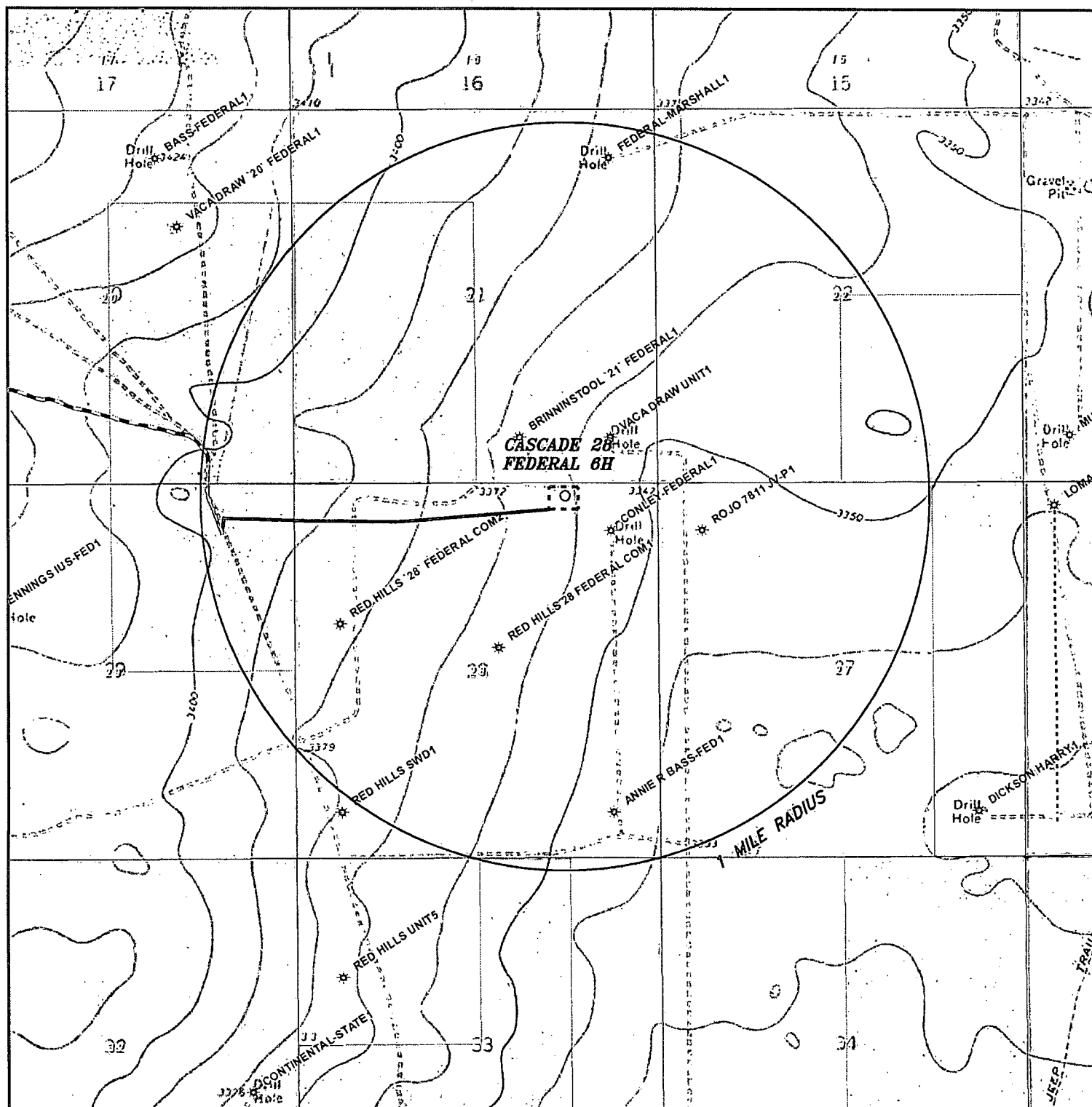
SCALE: 1" = 2 MILES

W.O. Number: KAN 29695

Survey Date: 12-11-2013

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





**CASCADE 28 FEDERAL 6H**  
 Located 180' FNL and 1310' FEL  
 Section 28, Township 25 South, Range 33 East,  
 N.M.P.M., Lea County, New Mexico.

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 (575) 392-2206 - Fax  
[basinsurveys.com](http://basinsurveys.com)

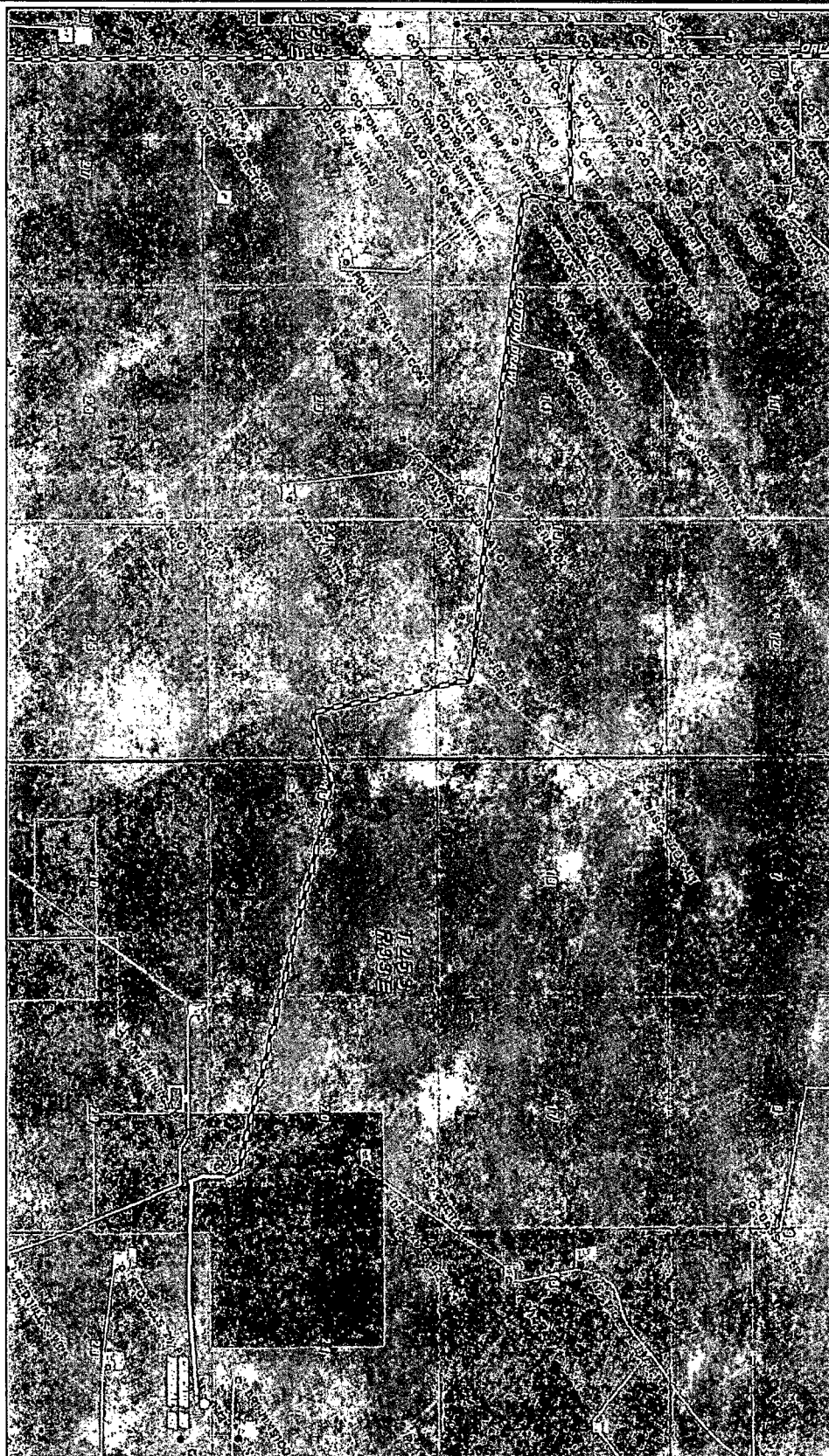
0' 1000' 2000' 3000' 4000'  
 SCALE: 1" = 2000'

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.



Cascade 28 Federal  
Public Access Route Map

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0' 1500' 3000' 4500' 6000'

SCALE: 1" = 5000'

W.O. Number: KAN 29695

Survey Date: 12-11-2013

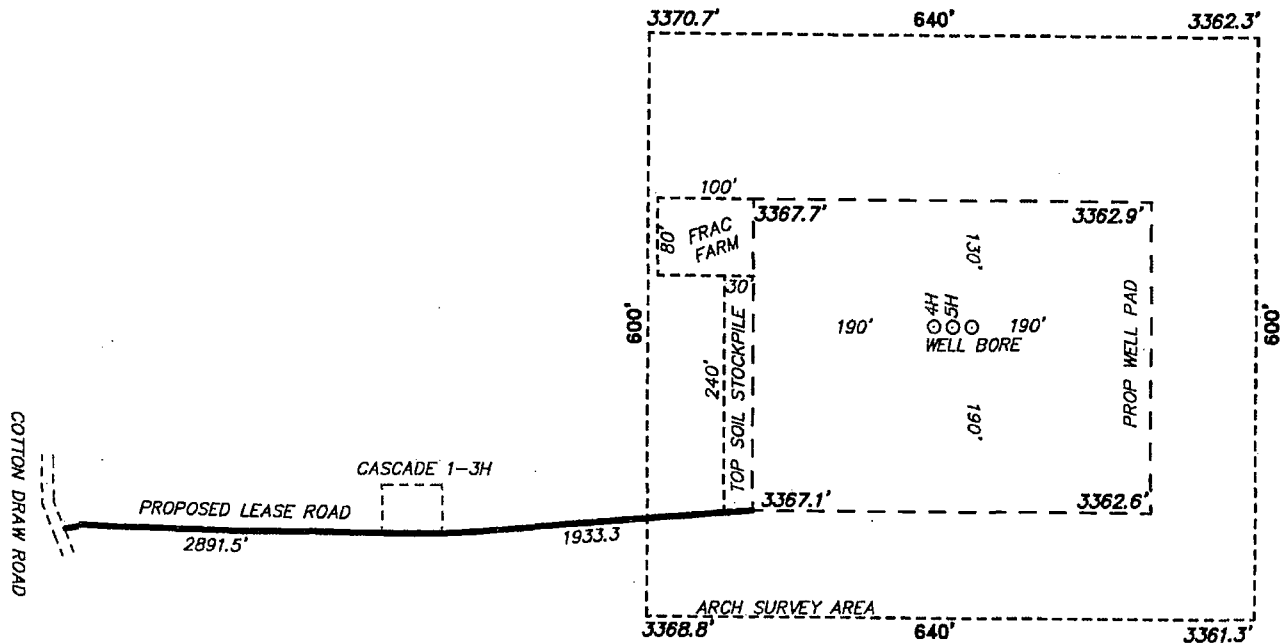
YELLOW TINT - USA LAND  
BLUE TINT - STATE LAND  
NATURAL COLOR - USA LAND

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

Exhibit C-1



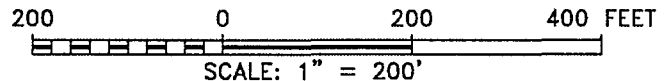
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



**CIMAREX ENERGY CO.**  
**CASCADE 28 FEDERAL 6H**  
**ELEV. - 3365**

Lat - N 32°06'29.88"  
Long - W 103°34'22.88"  
NMSPC- N 403966.2  
E 776751.5  
(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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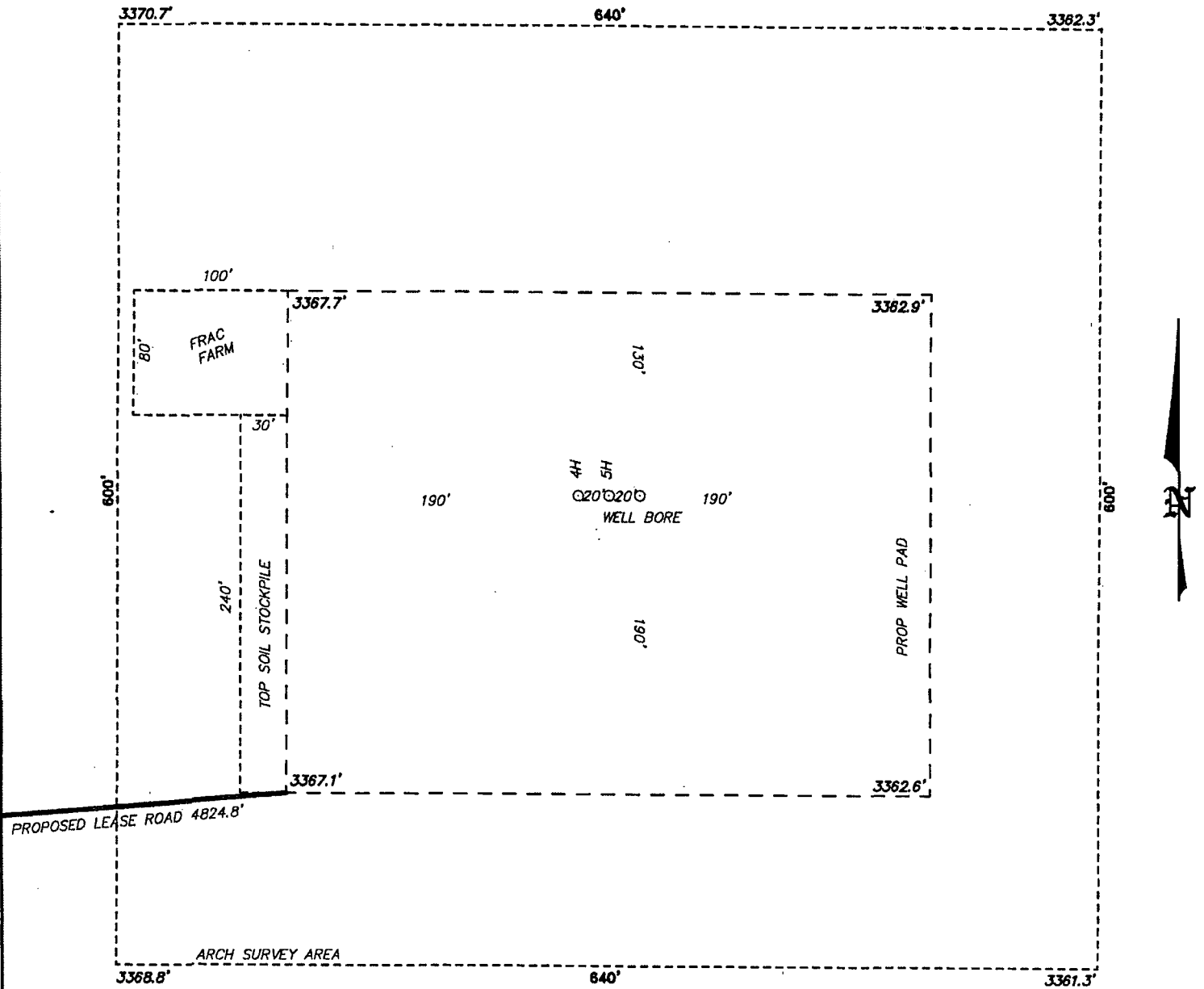
**CIMAREX ENERGY CO.**

REF: CASCADE 28 FEDERAL 6H / WELL PAD TOPO

THE CASCADE 28 FEDERAL 6H LOCATED 180' FROM  
THE NORTH LINE AND 1310' FROM THE EAST LINE OF  
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 29695 | 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.



**CIMAREX ENERGY CO.**

REF: CASCADE 28 FEDERAL 6H / WELL PAD TOPO

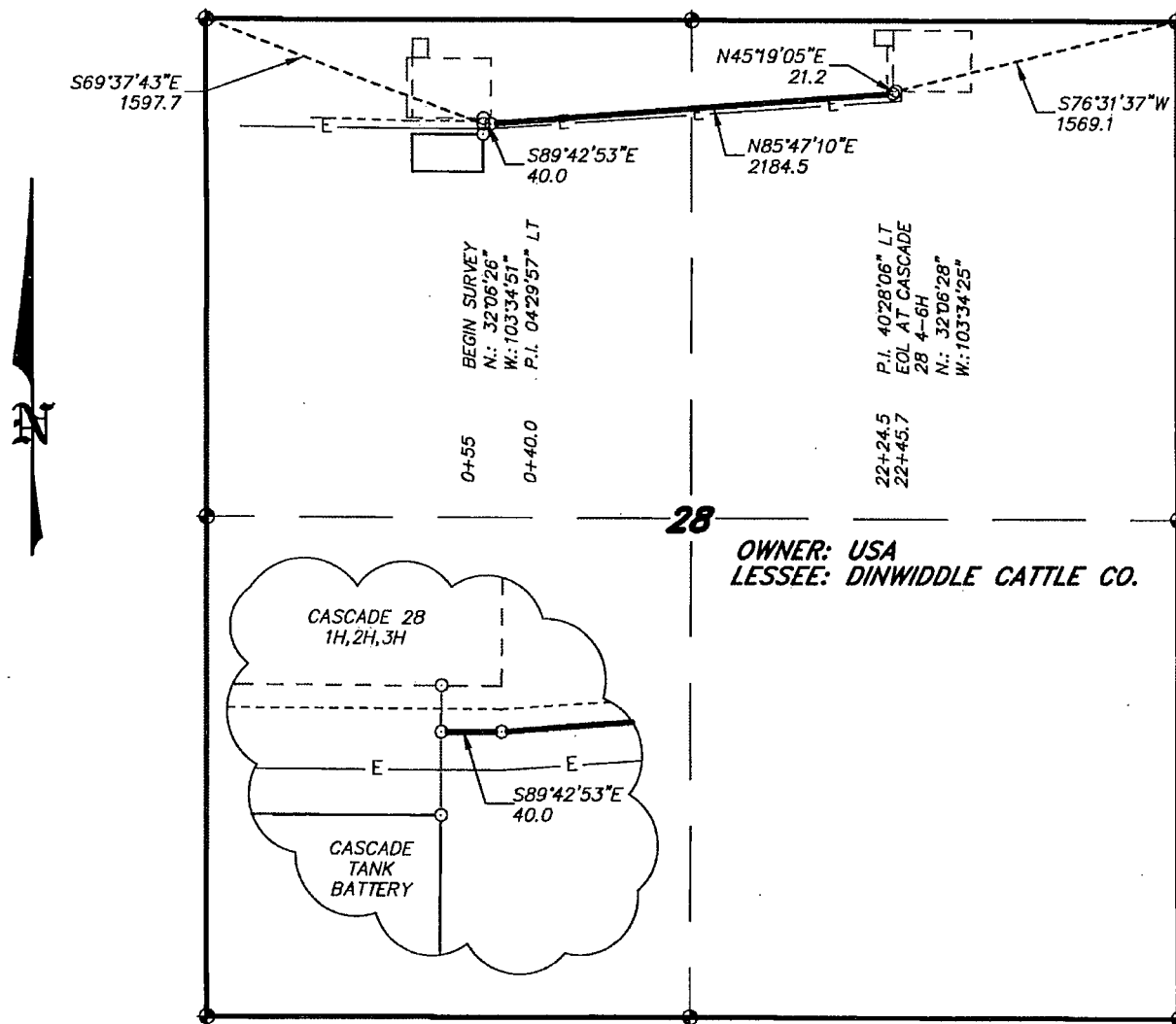
THE CASCADE 28 FEDERAL 6H LOCATED 180' FROM  
THE NORTH LINE AND 1310' FROM THE EAST LINE OF  
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

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Hobbs, New Mexico 88241 basin-surveys.com

W.O. Number: 29695 | 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, P.S. No. 7977  
No. 5074

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Hobbs, New Mexico 88241 basin-surveys.com

1000 0 1000 2000 FEET

**CIMAREX ENERGY CO.**

REF: PROPOSED CASCADE TANK BATTERY PIPELINE ROW

and Electric Line 7/25/19  
A TRACT OF LAND LOCATED ON USA LAND IN

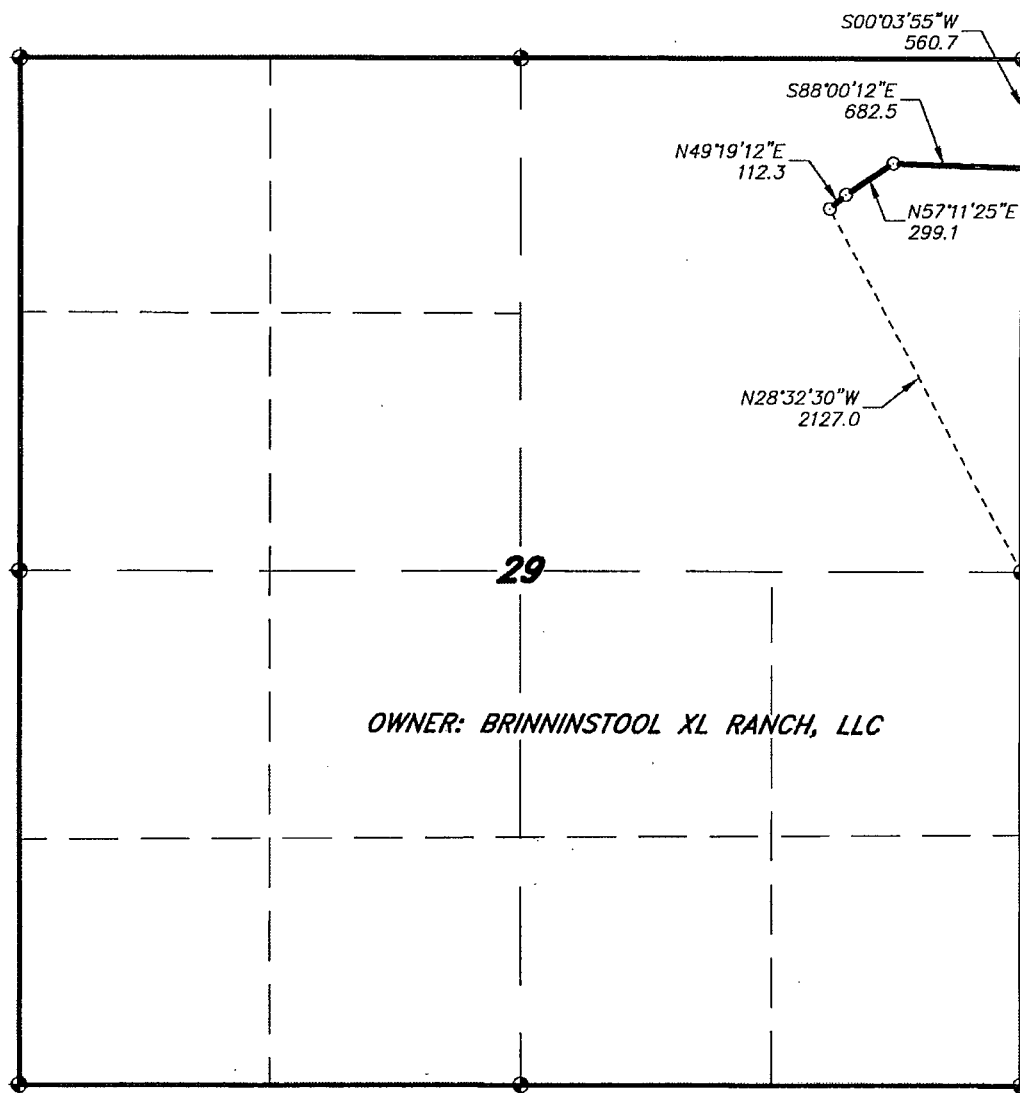
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

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



**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 ANY REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES

No. 7977  
No. 5074

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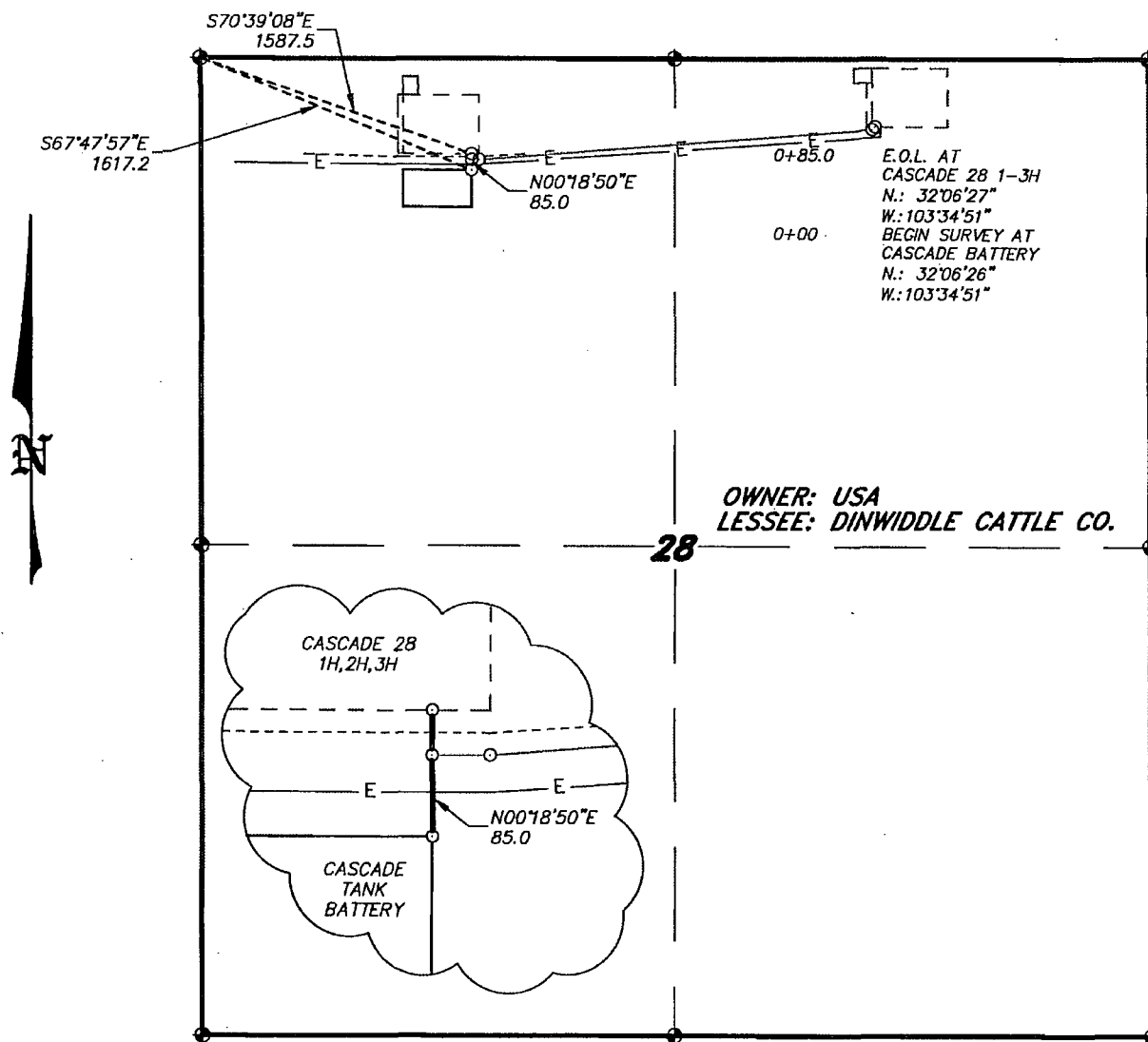
1000 0 1000 2000 FEET

**CIMAREX ENERGY CO.**

REF: PROPOSED CASCADE 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.

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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1000 0 1000 2000 FEET

**CIMAREX ENERGY CO.**

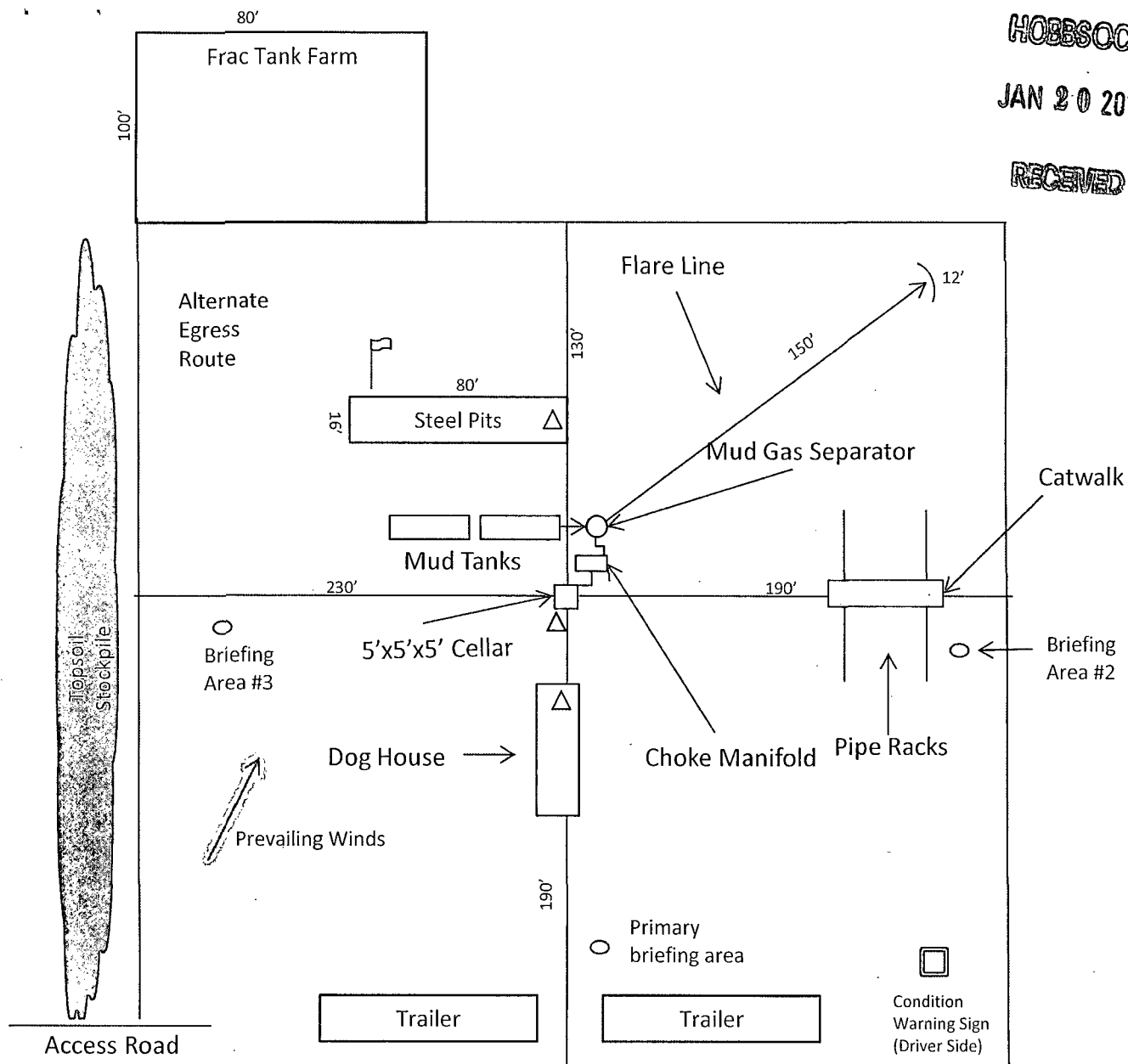
REF: PROPOSED CASCADE TANK BATTERY PIPELINE ROW

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.

HOBSOCD

JAN 20 2015

RECEIVED



Wind Direction Indicators  
(wind sock or streamers)



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



Briefing Areas

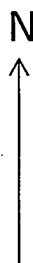


Exhibit D-1 – Rig Diagram  
**Cascade 28 Federal 6H**  
Cimarex Energy Co.  
28-25S-33E  
SHL 180 FNL & 1310 FEL  
BHL 330 FSL & 440 FEL  
Lea County, NM