

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) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1225 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3450 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

Revised August 1, 2011

HOBBSOCD

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

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

JAN 20 2015

WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED ☐ AMENDED REPORT

API Number 30025-42373	Pool Code 9200	Pool Name Red Hills Upper Bone Spring/Wildcat Shale
Property Code 314104	Property Name CASCADE 28 FEDERAL	Well Number 5H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3366

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	1330	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	1330	EAST	LEA

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

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><u>SURFACE LOCATION</u> Lat - N 32°06'29.88" Long - W 103°34'23.10" NMSFCE- N 403966.1 E 776731.5 (NAD-83)</p>	<p>N: 404138.2 E: 775431.1 (NAD83)</p>	<p>180' S.L. 1330' 3368.8' 3361.3'</p>	<p>N: 404153.1 E: 778069.7 (NAD83)</p>
<p>N: 401488.1 E: 772818.6 (NAD83)</p>				<p>N: 401510.4 E: 778083.7 (NAD83)</p>
<p>N: 398848.7 E: 772836.8 (NAD83)</p>	<p><u>PROPOSED BOTTOM HOLE LOCATION</u> Lat - N 32°05'42.68" Long - W 103°34'22.98" NMSFCE- N 399196.3 E 776775.6 (NAD-83)</p>	<p>N: 398860.8 E: 775471.6 (NAD83)</p>	<p>B.H. 1330'</p>	<p>N: 398872.5 E: 778108.4 (NAD83)</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.

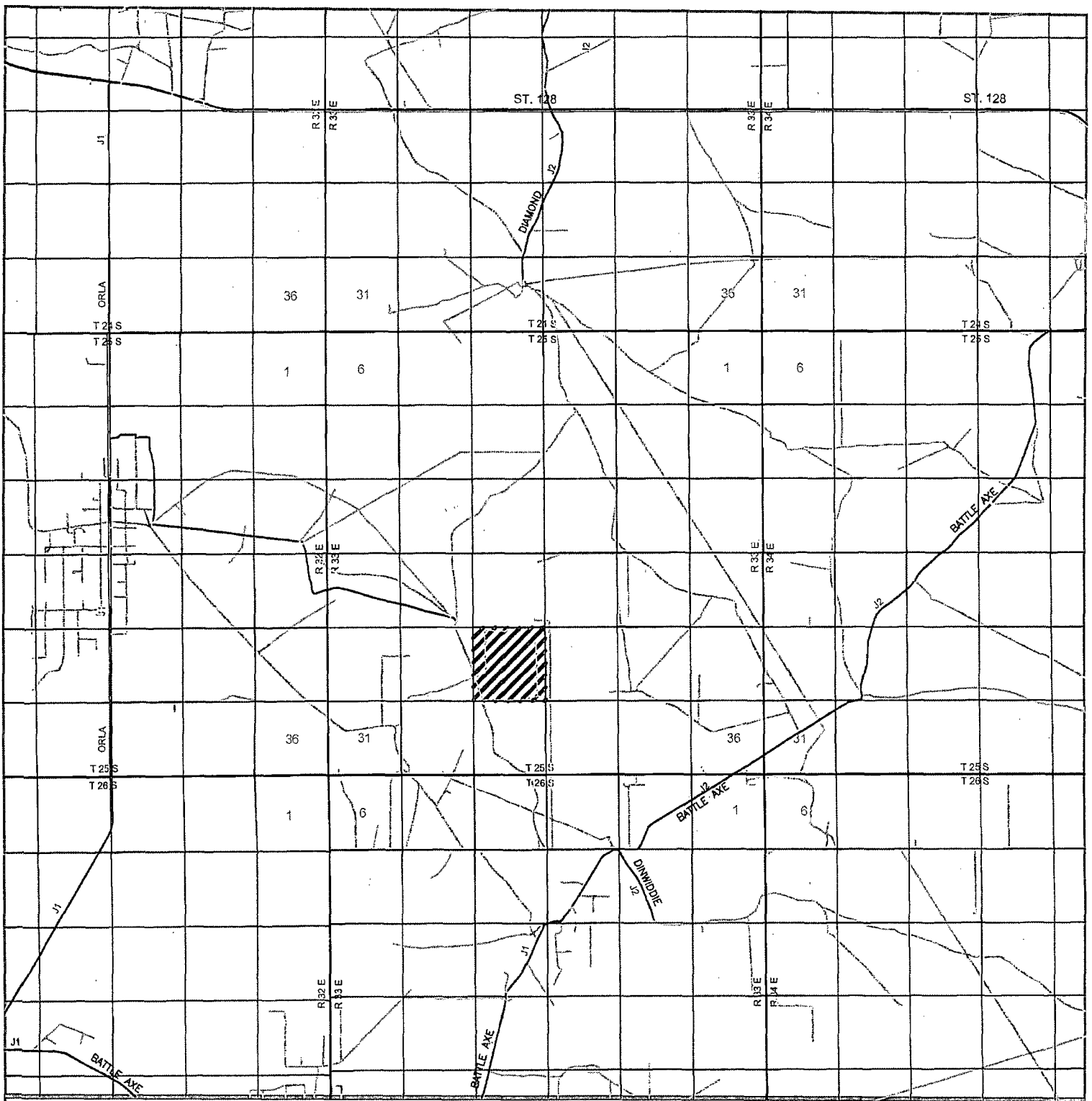
Signature: *Terri Stathem* Date: 3-13-14
Printed Name: Terri Stathem
Email Address: tstathem@cimarex.com

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.

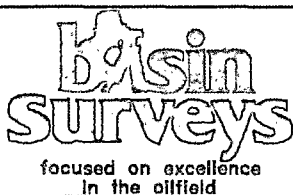
DECEMBER 11, 2013
Date Surveyed
Signature: *[Signature]*
Professional Surveyor
Certificate No. 7977
Scale: 1" = 1000'
WO Num.: 29694

JAN 21 2015



CASCADE 28 FEDERAL 5H

Located 180' FNL and 1330' 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

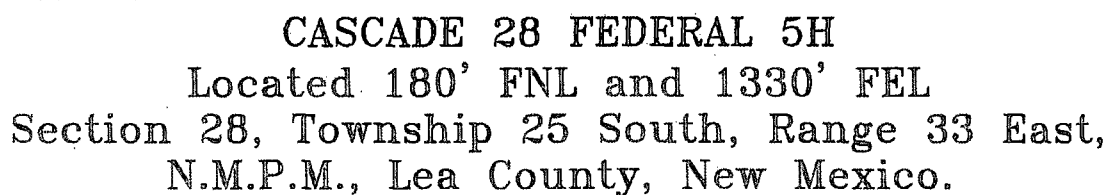
SCALE: 1" = 2 MILES

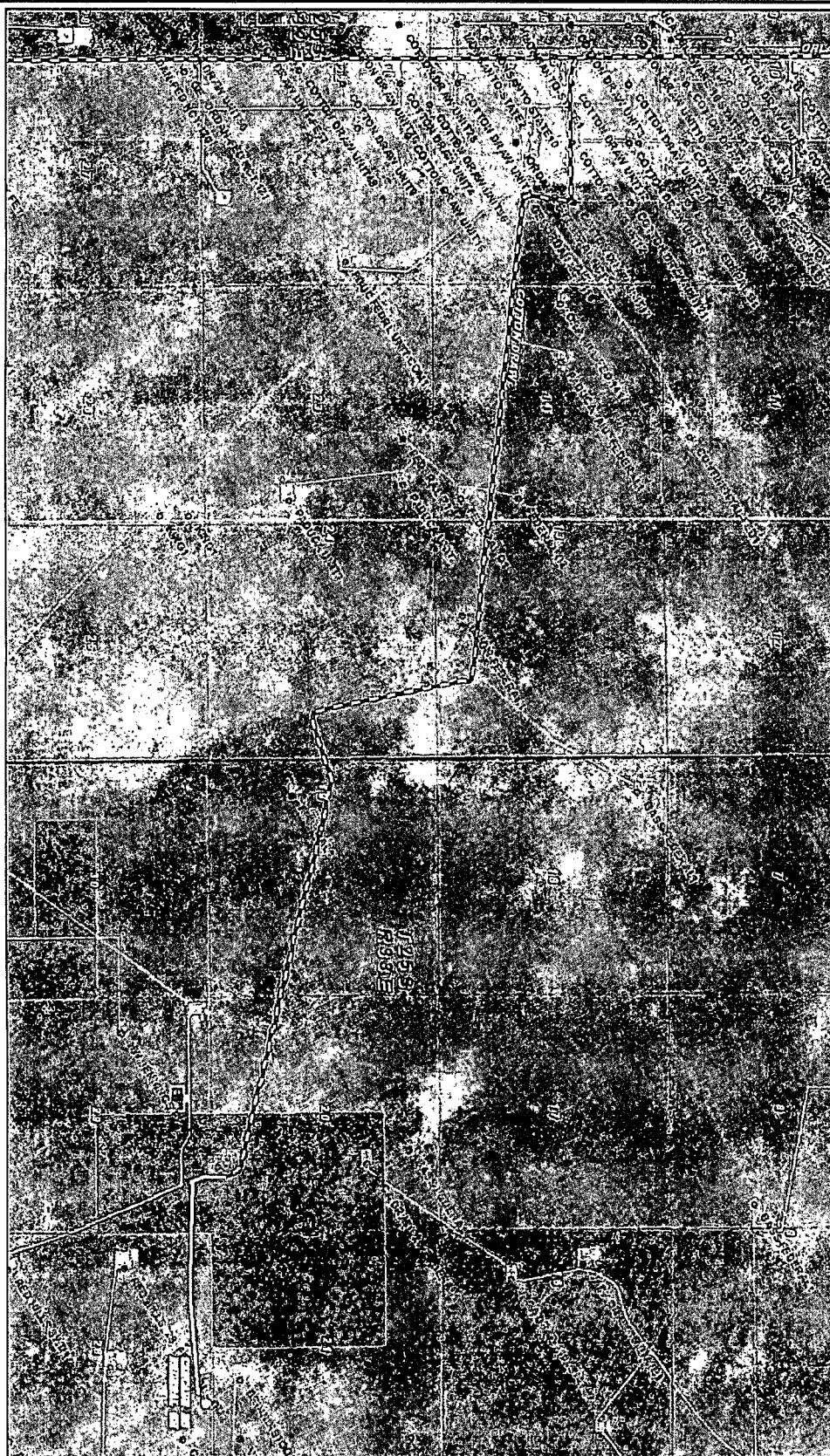
W.O. Number: KAN 29694

Survey Date: 12-11-2013



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



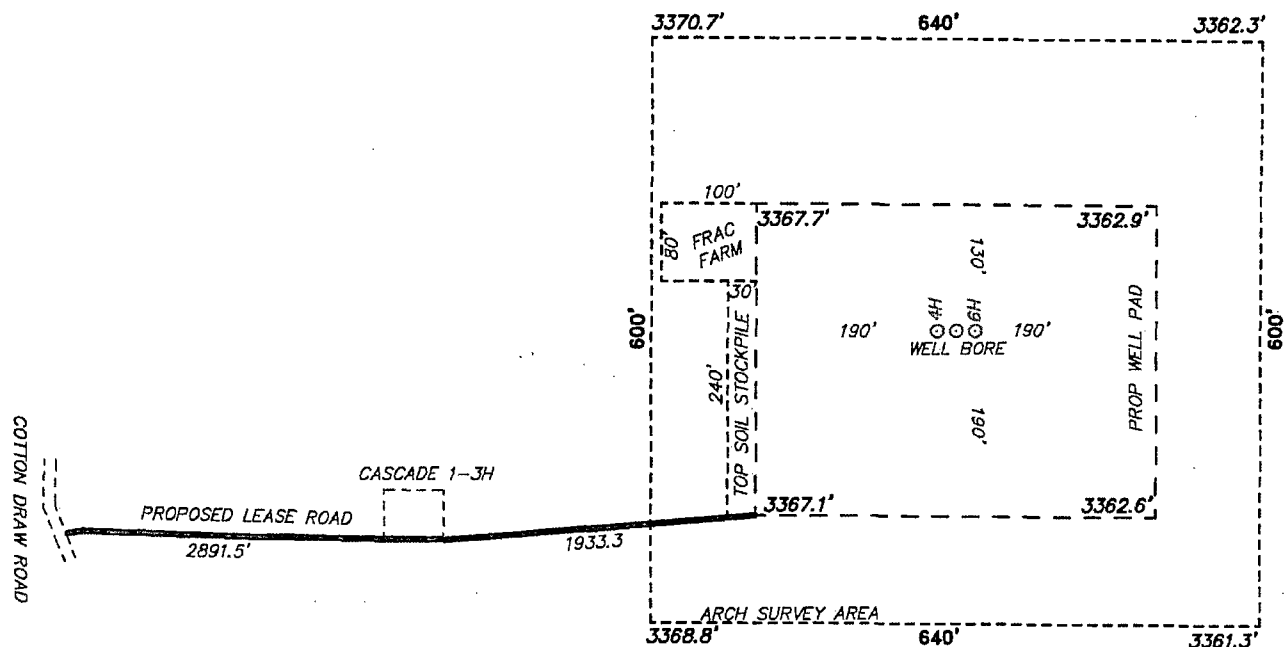




Cascade 28 Federal Public Access Route Map

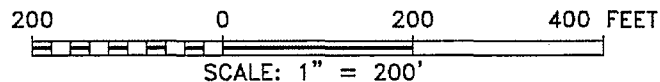
 <p>Balsin Surveys focused on excellence in the oilfield</p>	<p>P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393-7316 - Office (575) 392-2206 - Fax balsinsurveys.com</p>	<p>0' 1500' 3000' 4500' 6000'</p> <p>SCALE: 1" = 3000'</p> <p>W.O. Number: KAN 29695</p> <p>Survey Date: 12-11-2013</p> <p>YELLOW TINT - USA LAND BLUE TINT - STATE LAND NATURAL COLOR - USA LAND</p>	

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



CIMAREX ENERGY CO.
CASCADE 28 FEDERAL 5H
 ELEV. - 3366
 Lat - N 32°06'29.88"
 Long - W 103°34'23.10"
 NMSPCE- N 403966.1
 E 776731.5
 (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.

basin
surveys
 focused on excellence
 in the oilfield

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

CIMAREX ENERGY CO.

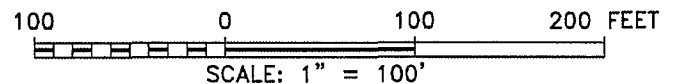
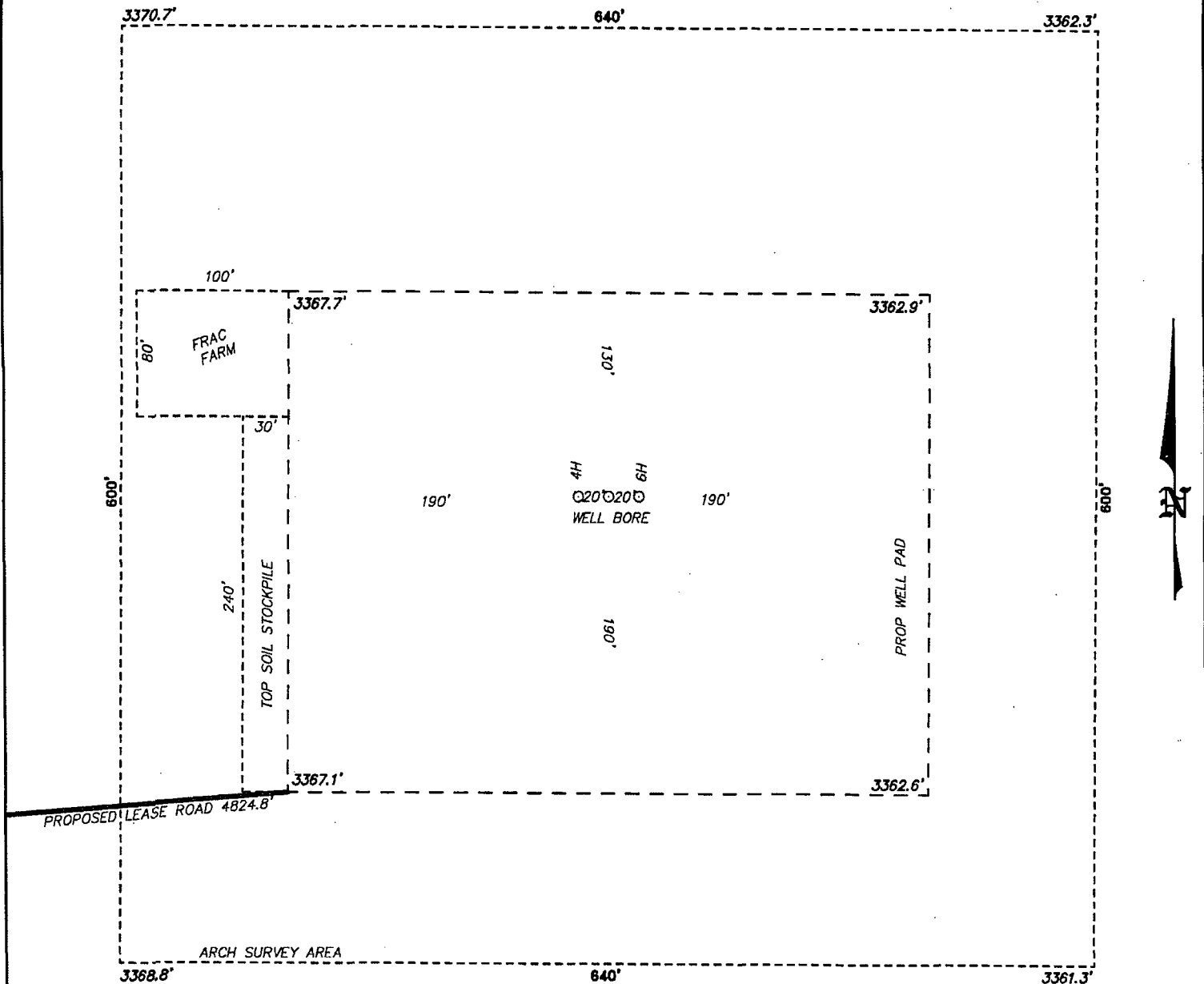
REF: CASCADE 28 FEDERAL 5H / WELL PAD TOPO

THE CASCADE 28 FEDERAL 5H LOCATED 180' FROM
 THE NORTH LINE AND 1330' FROM THE EAST LINE OF
 SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,
 N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 29694 Drawn By: K. NORRIS Date: 12-30-2013 Survey Date: 12-11-2013 Sheet 1 of 1 Sheets

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 5H / WELL PAD TOPO

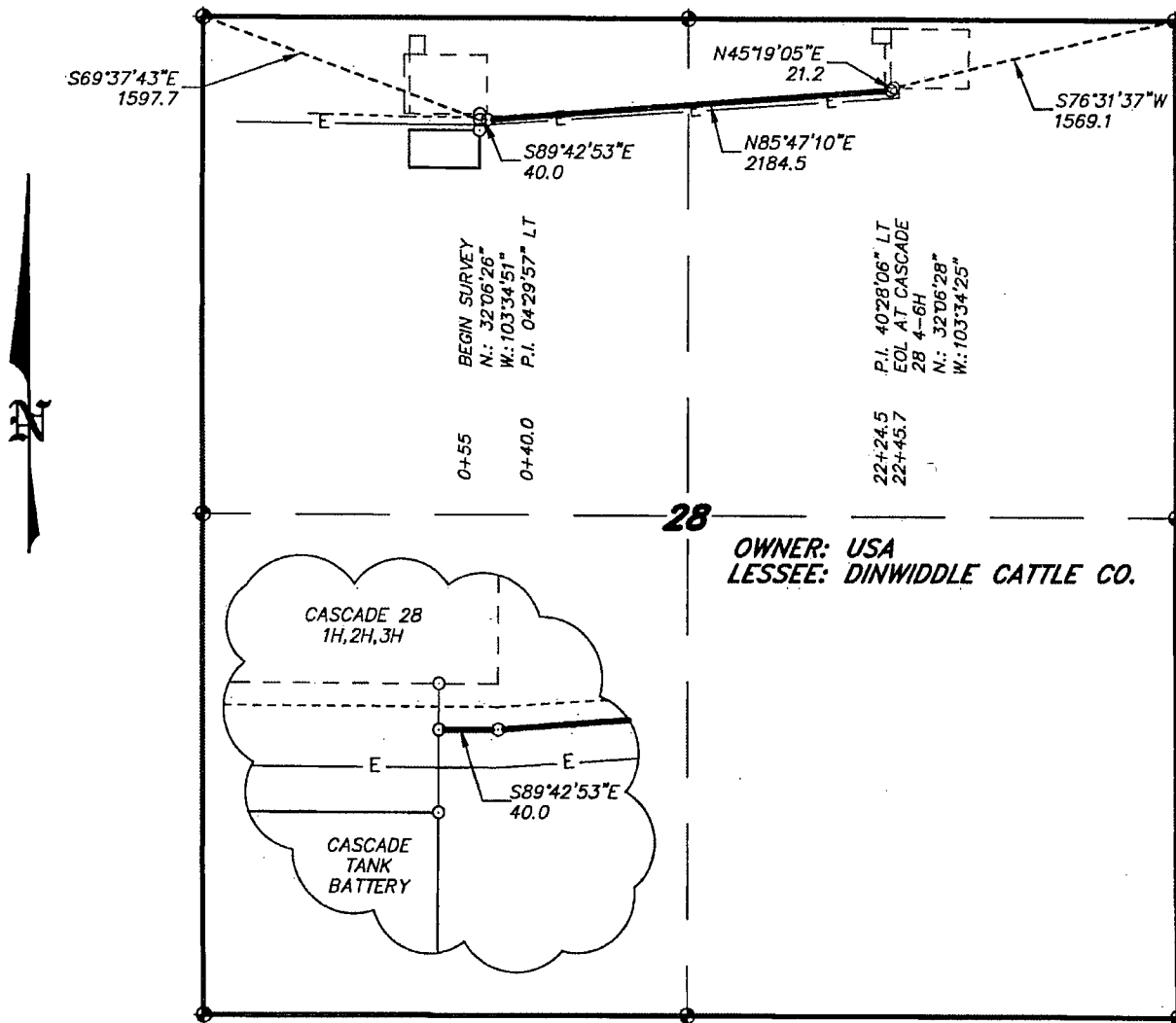
THE CASCADE 28 FEDERAL 5H LOCATED 180' FROM
THE NORTH LINE AND 1330' FROM THE EAST LINE OF
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

basin surveys
focused on excellence
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: 29694 | 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 SURVEY 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

basin
surveys
focused on excellence
in the oilfield

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

1000 0 1000 2000 FEET

CIMAREX ENERGY CO.

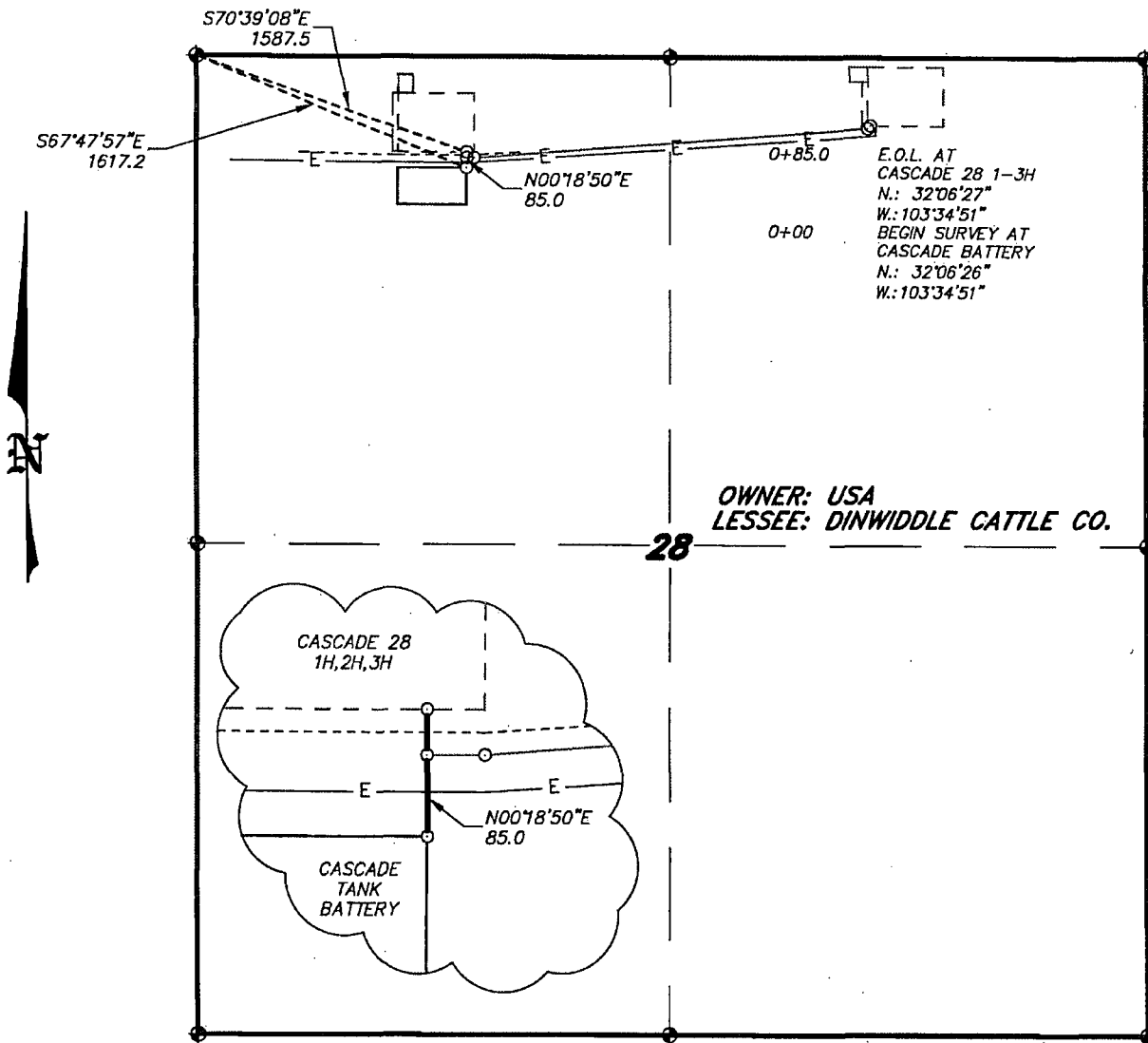
REF: PROPOSED CASCADE TANK BATTERY PIPELINE ROW

and electric line 32 7/25/14
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.

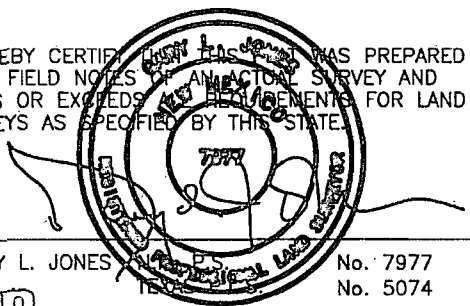


LEGAL DESCRIPTION

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



basin surveys
focused on excellence
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

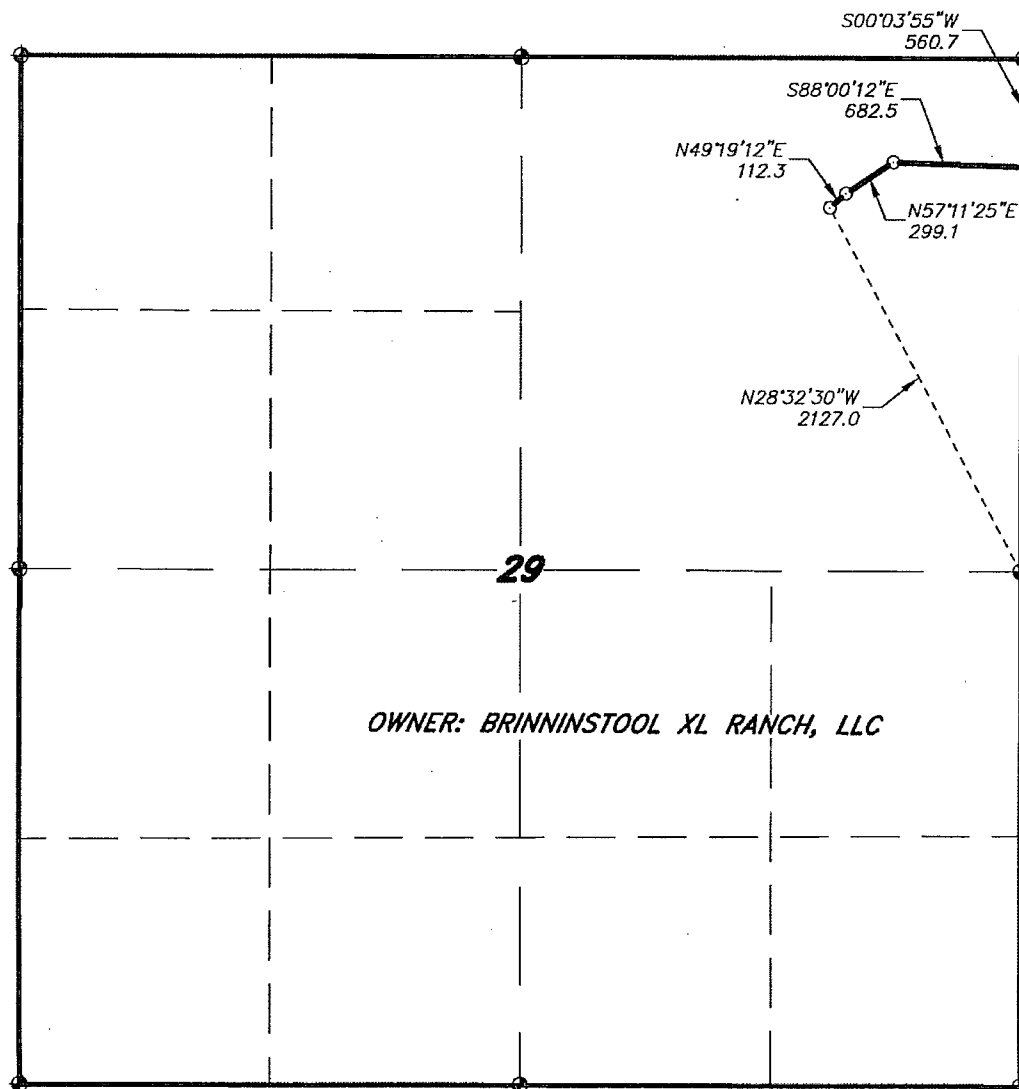
1000 0 1000 2000 FEET

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



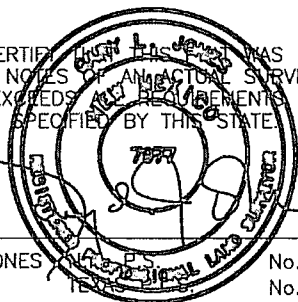
OWNER: BRINNINSTOOL XL RANCH, LLC

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.



basin surveys
focused on excellence
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

1000 0 1000 2000 FEET

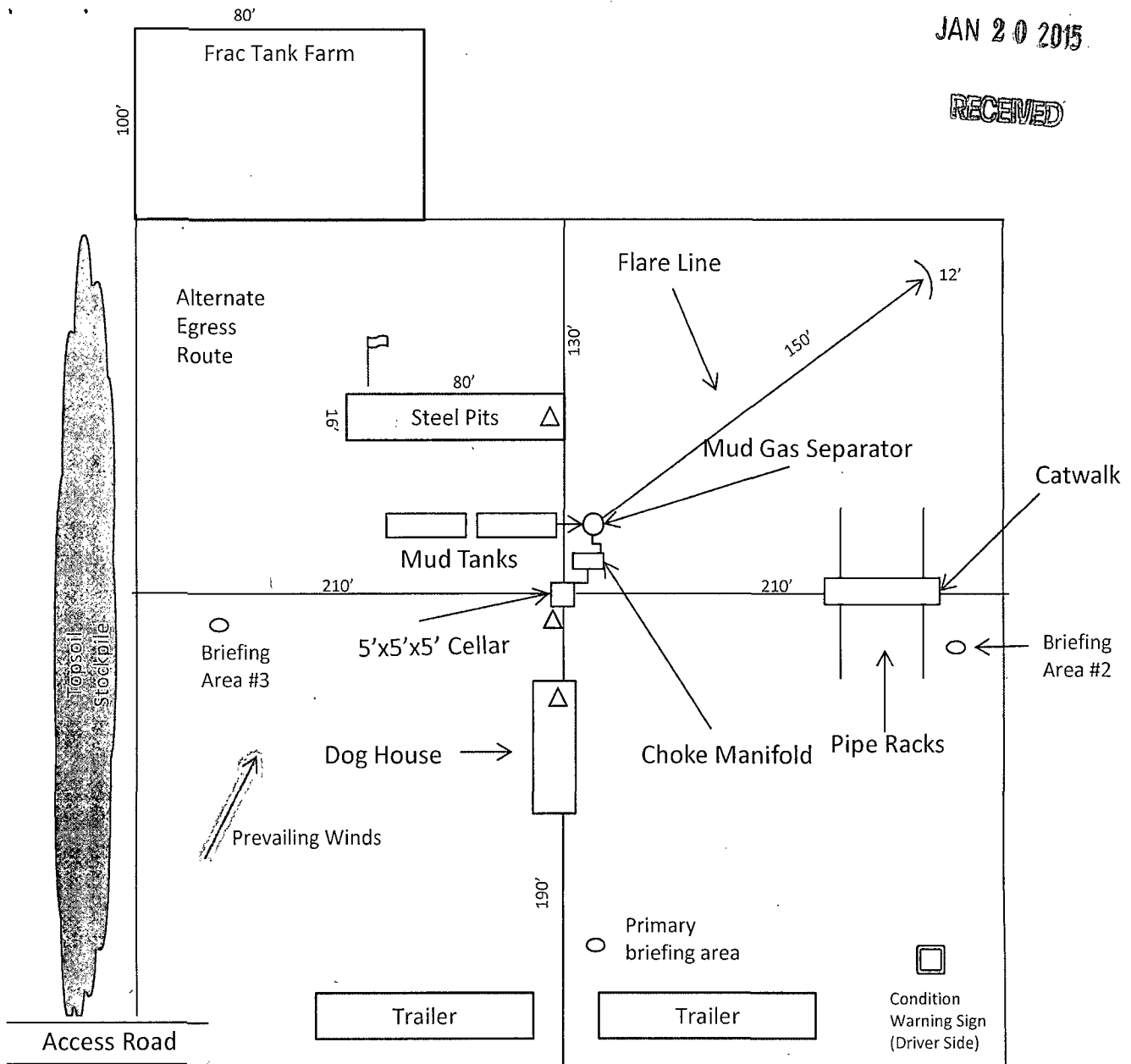
CIMAREX ENERGY CO.

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.

JAN 20 2015

RECEIVED



Wind Direction Indicators
(wind sock or streamers)



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



Briefing Areas

N



Exhibit D-1 – Rig Diagram
Cascade 28 Federal 5H
 Cimarex Energy Co.
 28-25S-33E
 SHL 180 FNL & 1330 FEL
 BHL 330 FSL & 1330 FEL
 Lea County, NM