

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) 476-3480 Fax: (505) 476-3482

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

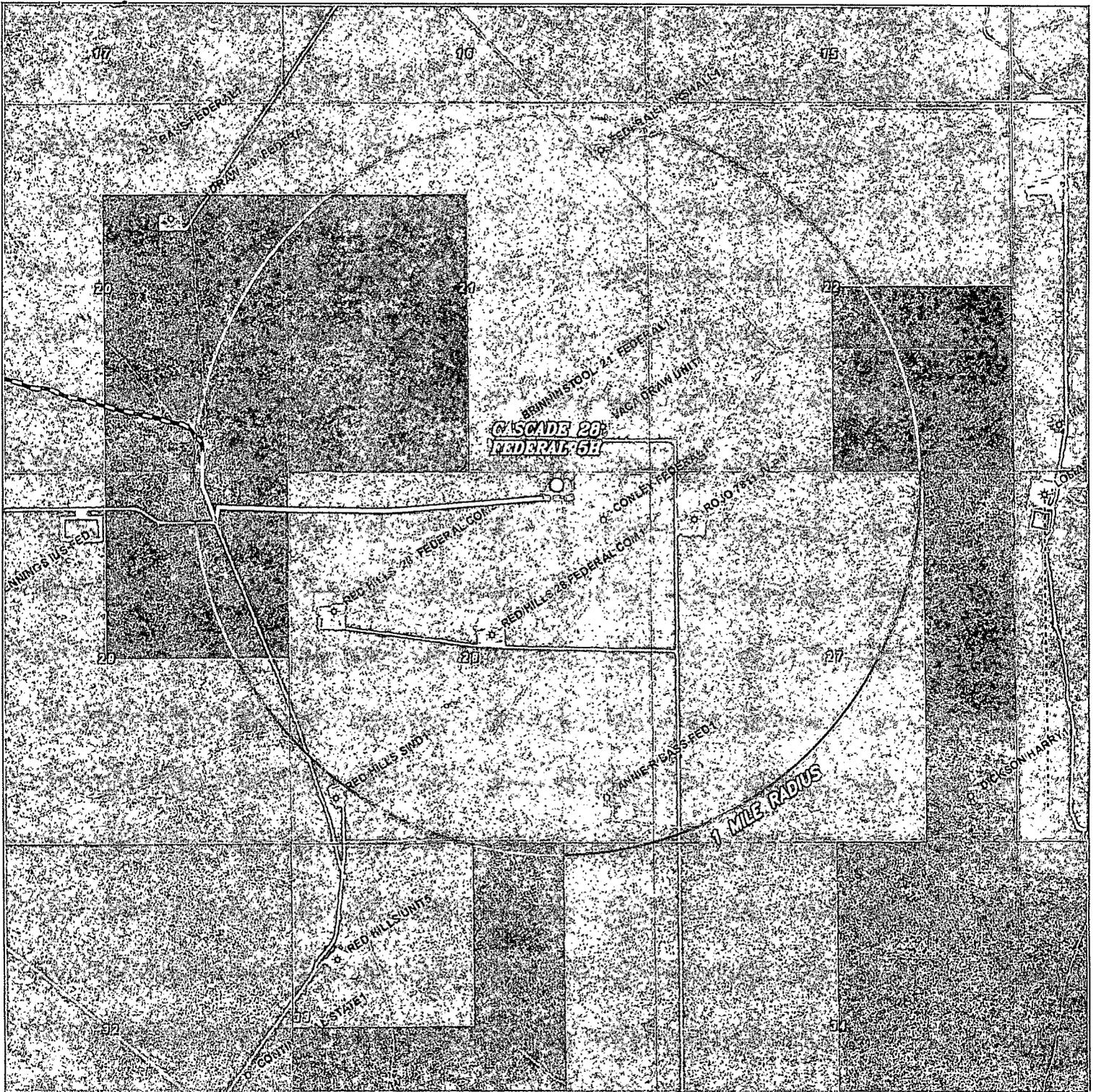
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No. NSL Pending
------------------------	-----------------	--------------------	--------------------------

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>SURFACE LOCATION Lat - N 32°06'29.88" Long - W 103°34'23.10" NMSPC- N 403966.1 E 776731.5 (NAD-83)</p>	<p>N.: 404153.1 E.: 778069.7 (NAD83)</p> <p>180' S.L. 1330' 3368.8' 3361.3'</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.</p> <p>Signature: <i>Terri Stathem</i> Date: 3-13-14 Printed Name: Terri Stathem Email Address: tstathem@cimarex.com</p>
<p>N.: 398848.7 E.: 772836.8 (NAD83)</p> <p>PROPOSED BOTTOM HOLE LOCATION Lat - N 32°05'42.68" Long - W 103°34'22.98" NMSPC- N 399196.3 E 776775.6 (NAD-83)</p>	<p>N.: 398860.8 E.: 775471.6 (NAD83)</p> <p>330' B.H. 1330'</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.</p> <p>DECEMBER 11 2013 Date Surveyed Signature: <i>[Signature]</i> Professional Surveyor Certificate No. 7977 Date: 12/11/13</p>
		<p>N.: 398872.5 E.: 778108.4 (NAD83)</p>

0' 500' 1000' 1500' 2000'
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.

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

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

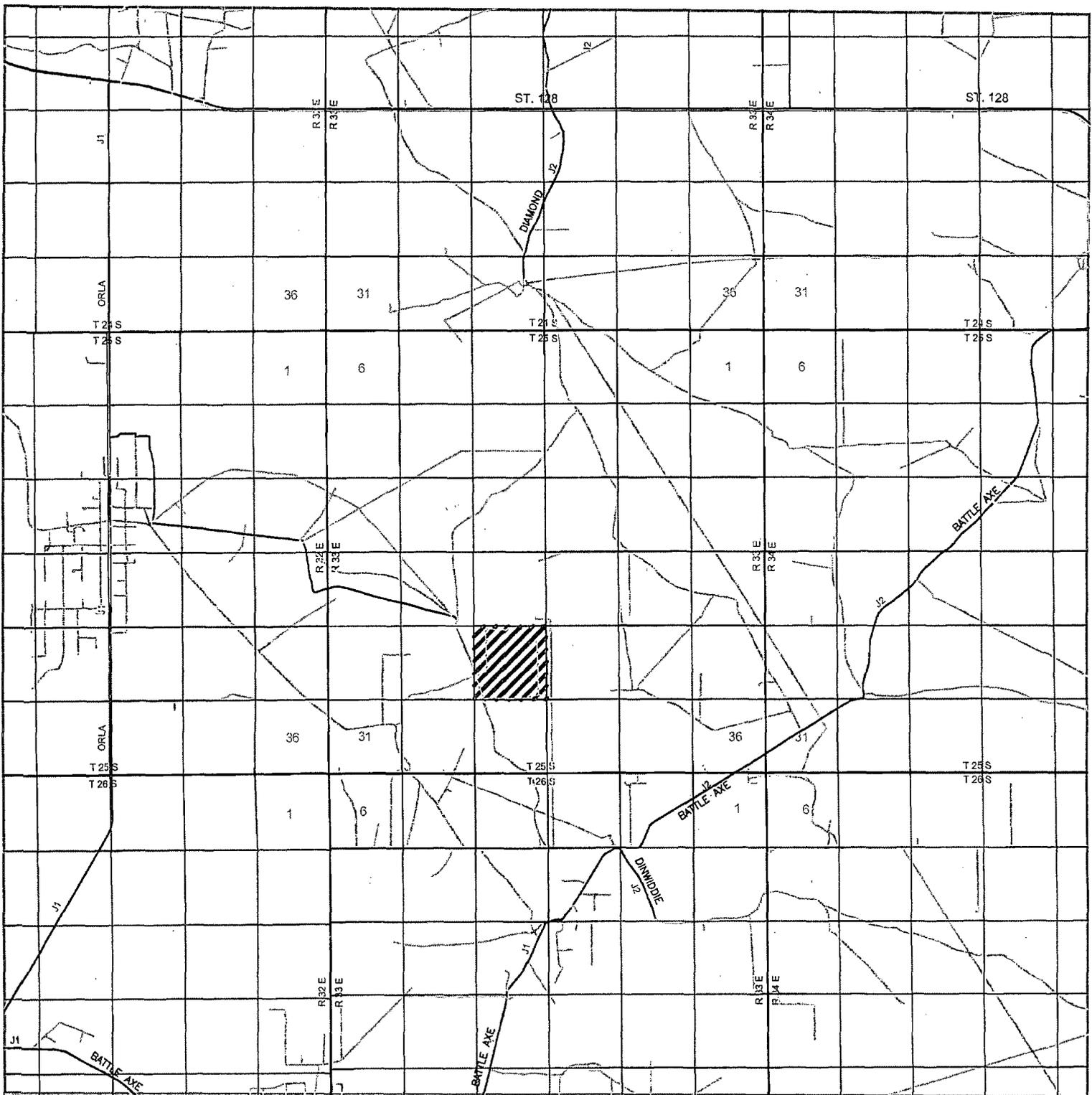
W.O. Number: KAN 29694

Survey Date: 12-11-2013

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

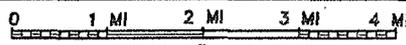
CIMAREX
 ENERGY CO.

Exhibit A



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.



SCALE: 1" = 2 MILES

W.O. Number: KAN 29694

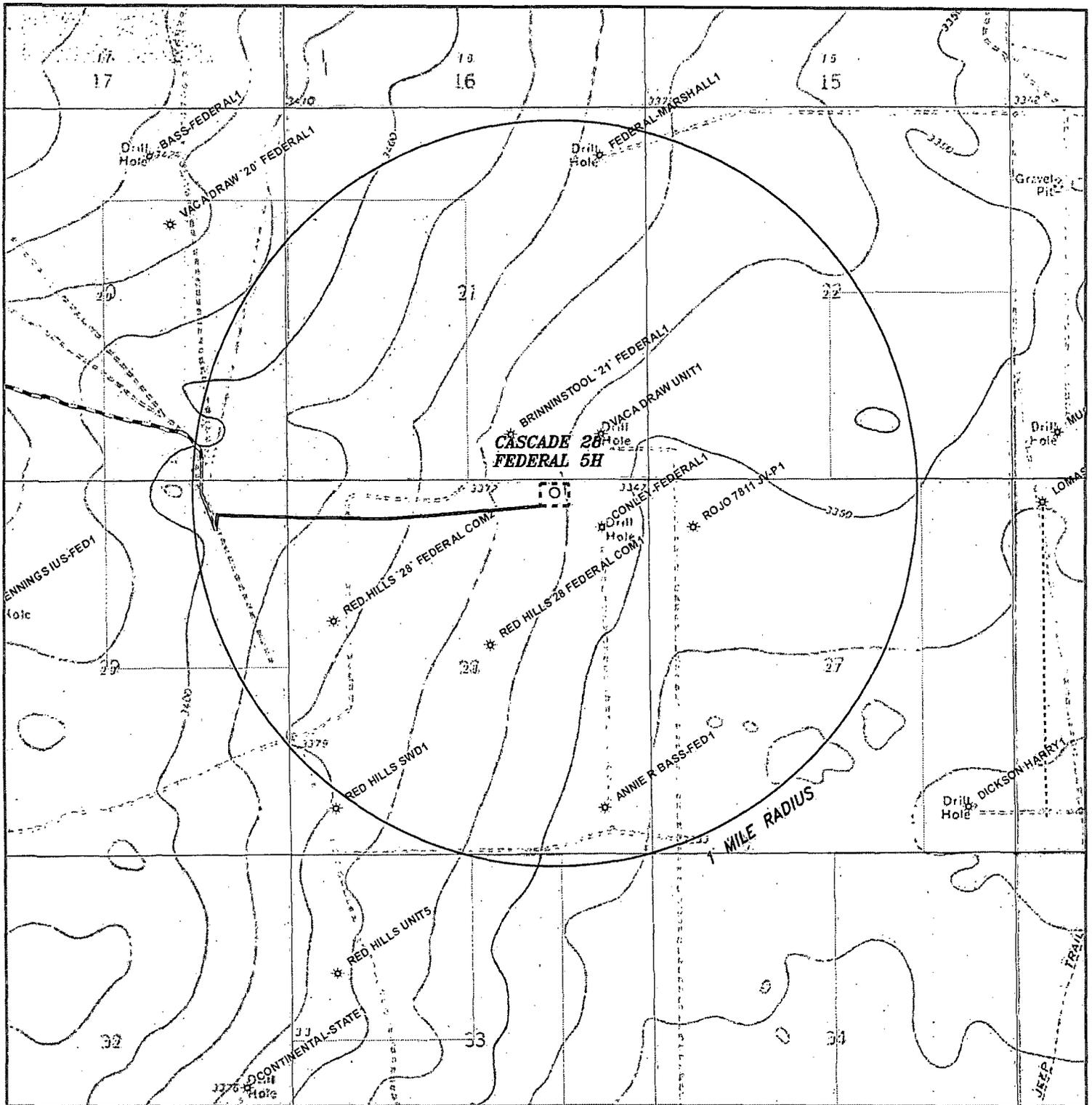
Survey Date: 12-11-2013

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



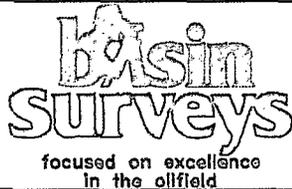
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com



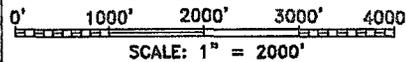


CASCADE 28 FEDERAL 5H

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
 basin-surveys.com

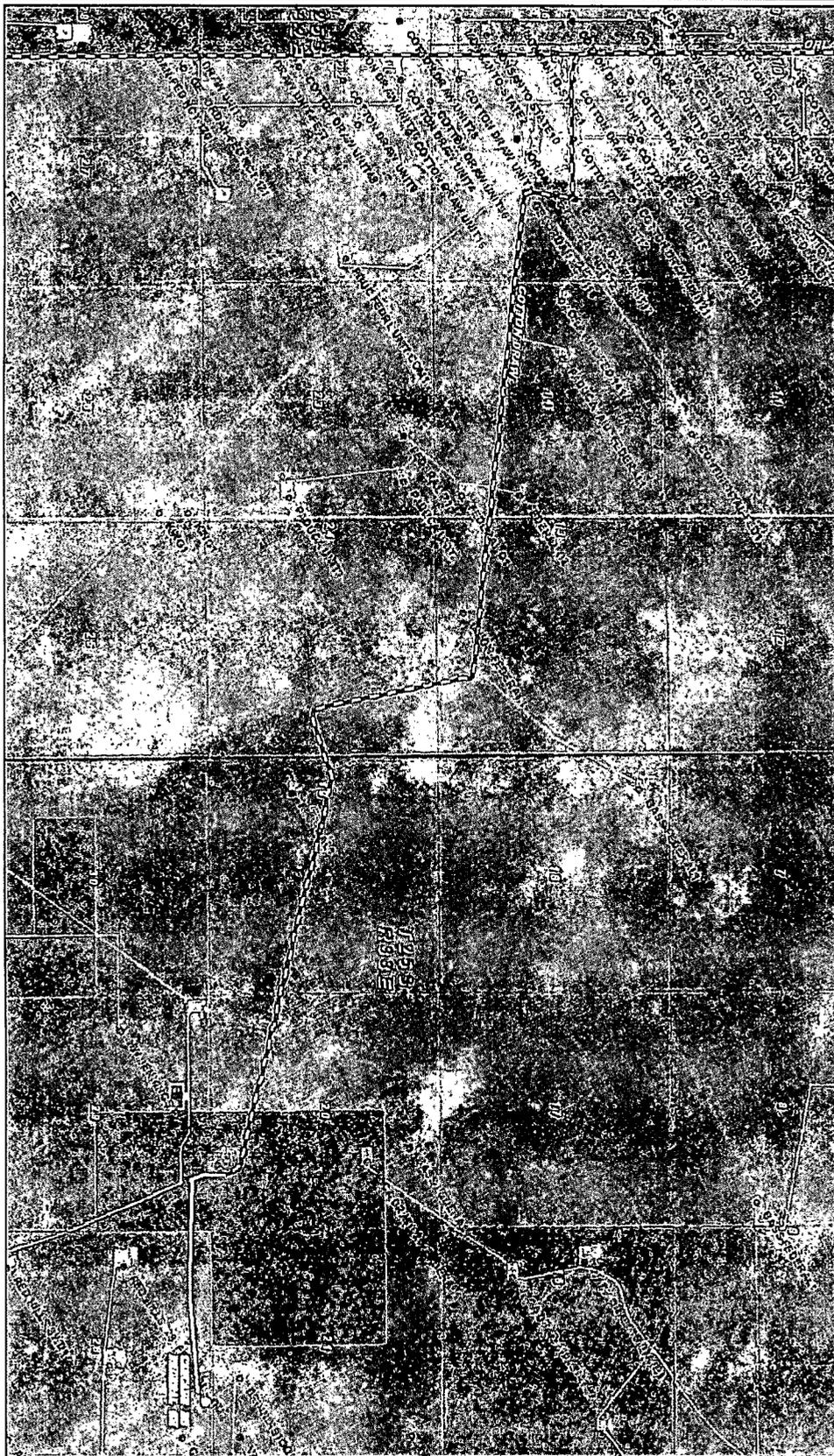


W.O. Number: KAN 29694

Survey Date: 12-11-2013

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





Cascade 28 Federal
Public Access Route Map



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

0' 1500' 3000' 4500' 6000'
SCALE: 1" = 5000'

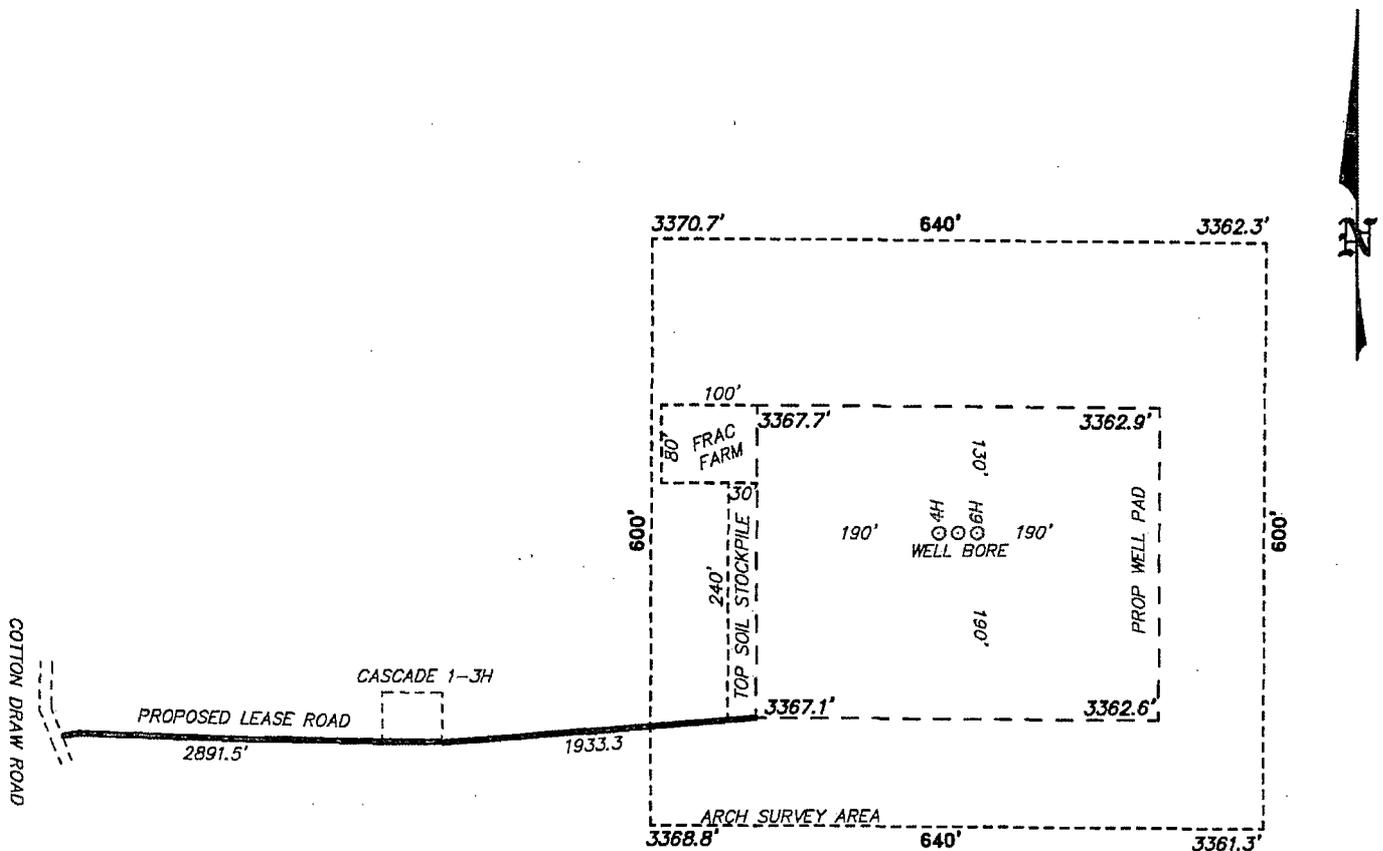
W.O. Number: KAN 29695

Survey Date: 12-11-2013

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

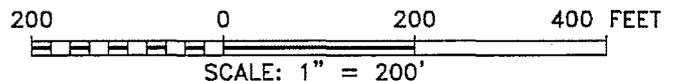
CIMAREX
ENERGY CO.

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:

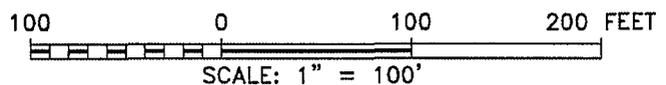
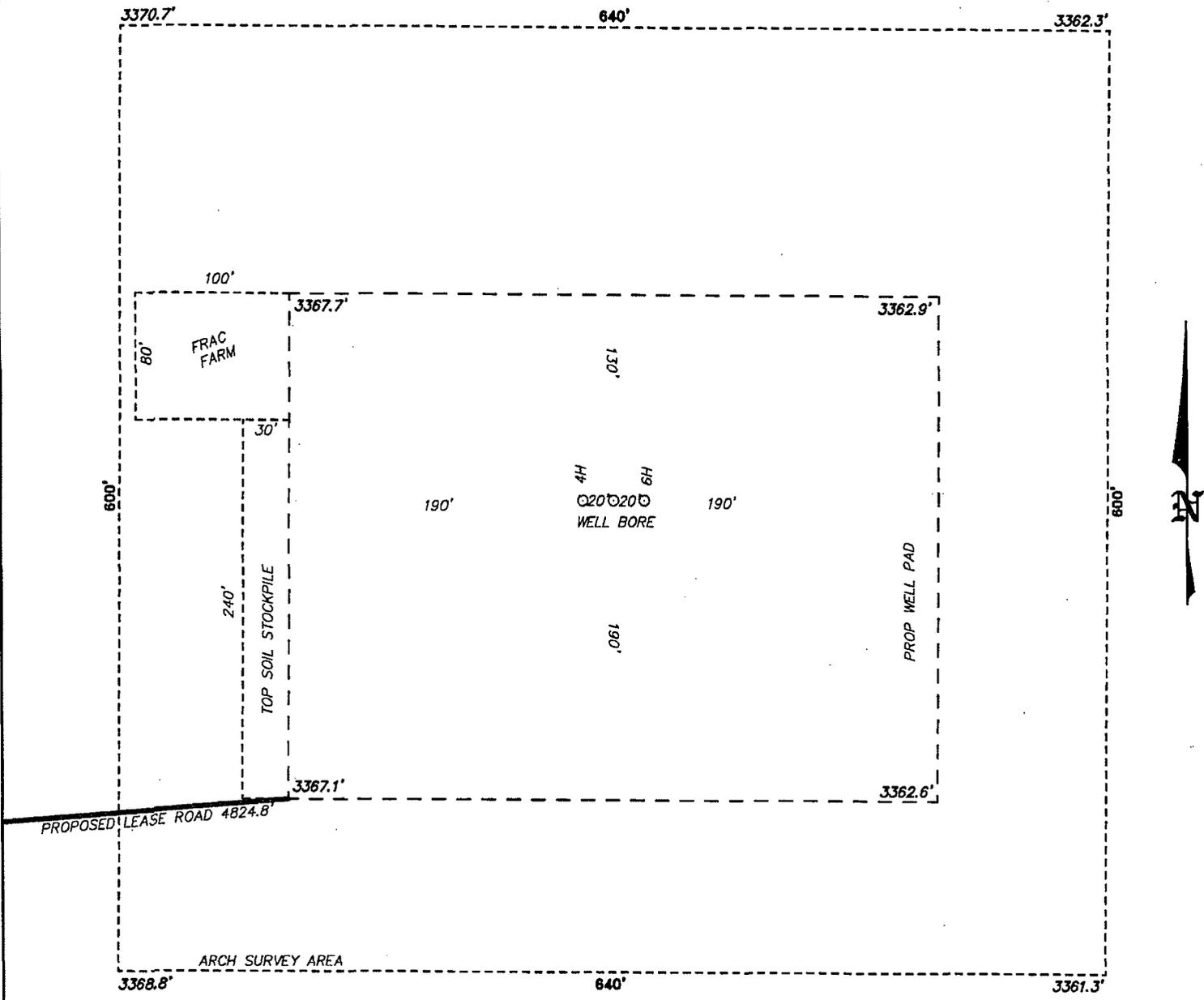
FROM THE JUNCTION OF ORLA AND COTTON DRAW,
 TAKE COTTON DRAW EAST TO DEAD END, CONTINUE
 SOUTH ON LEASE ROAD, AND TURN EAST ON
 PROPOSED LEASE ROAD.



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

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.

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

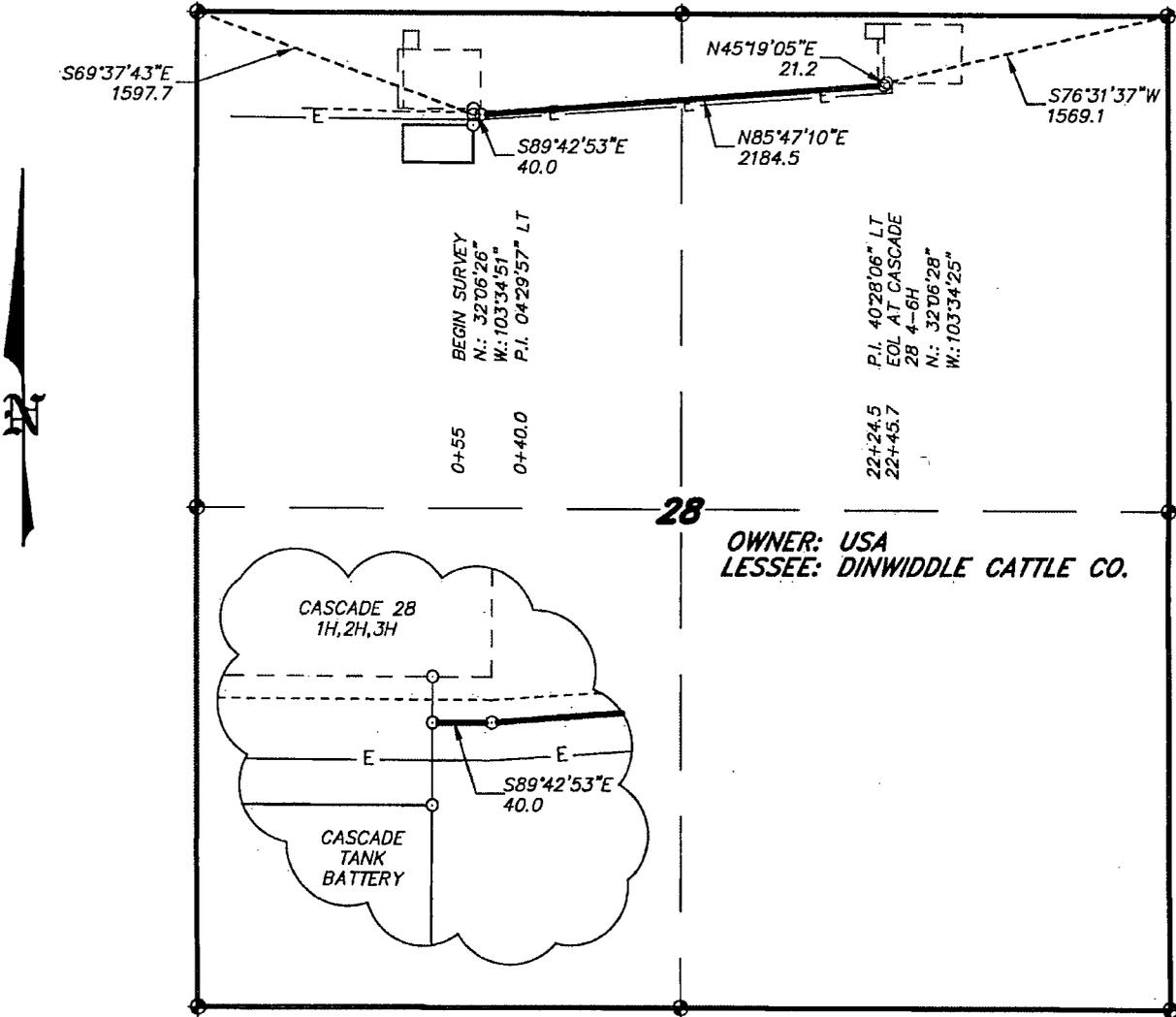
THE CASCADE 28 FEDERAL 5H LOCATED 180' FROM
THE NORTH LINE AND 1330' FROM THE EAST LINE OF
SECTION 28, TOWNSHIP 25 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

basin
SURVEYS
focused on excellence
in the oilfield

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

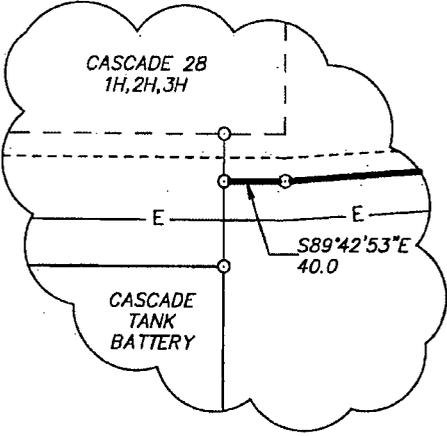
Exhibit D-2

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



28

OWNER: USA
LESSEE: DINWIDDLE CATTLE CO.

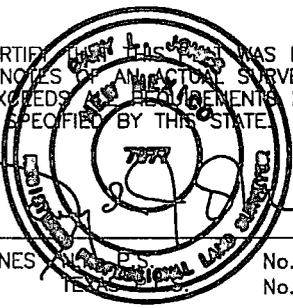


LEGAL DESCRIPTION

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

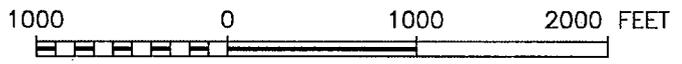
I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



GARY L. JONES, P. No. 7977
LEA COUNTY, N.M. No. 5074



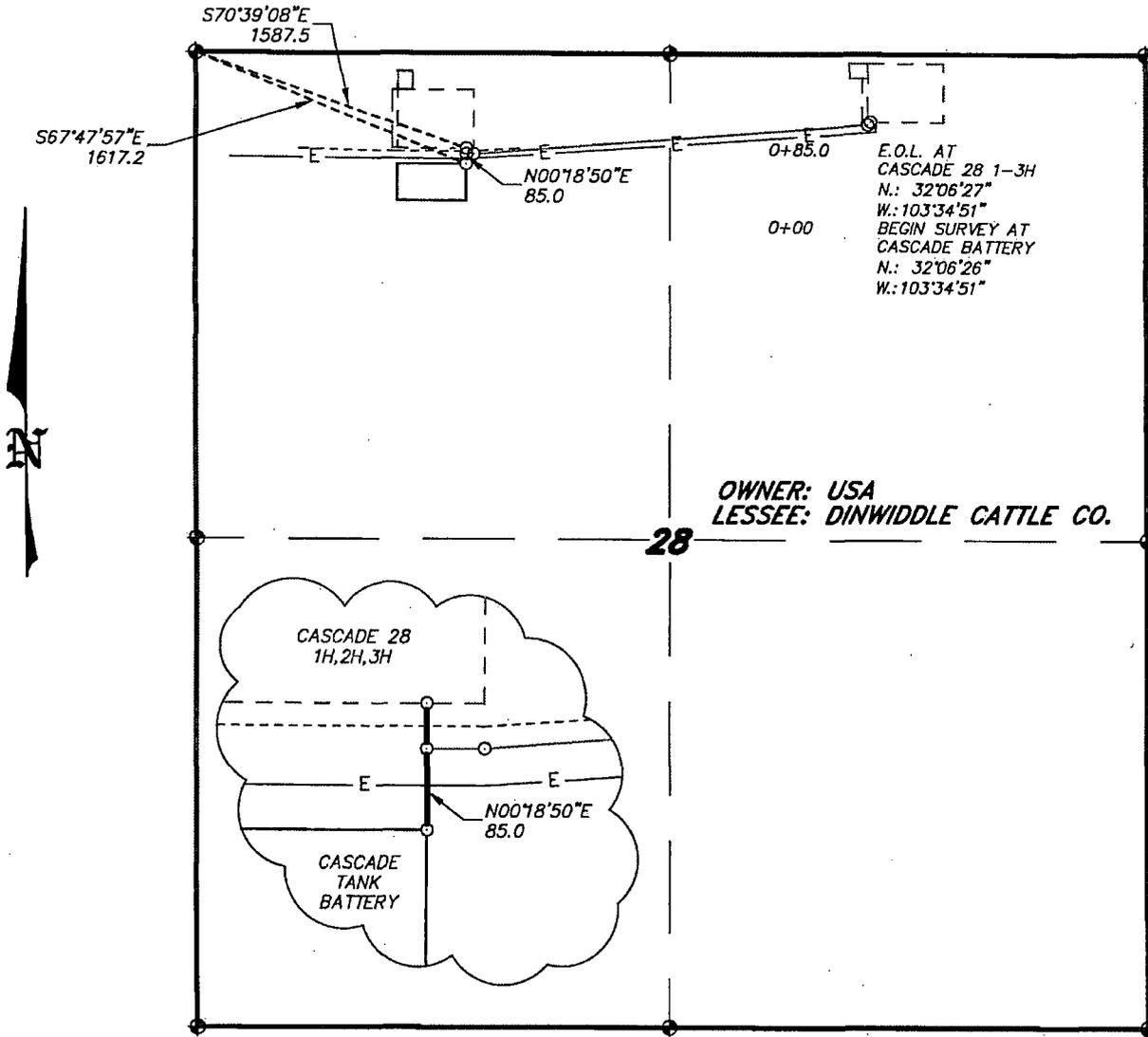
P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basinsurveys.com



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.

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



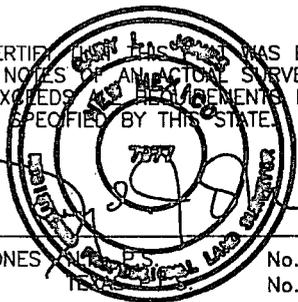
OWNER: USA
LESSEE: DINWIDDLE CATTLE CO.

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

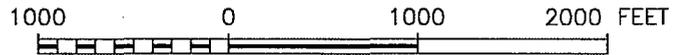
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



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

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

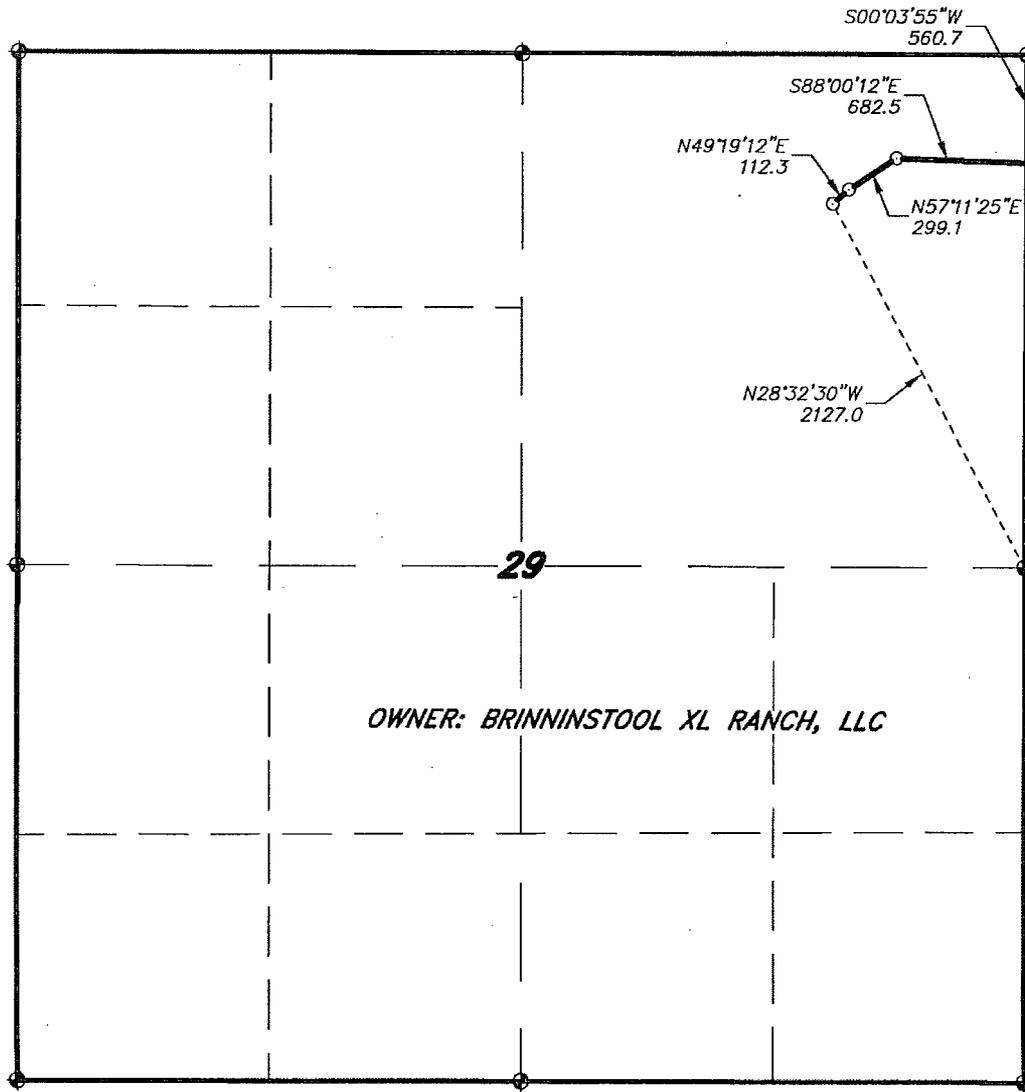


CIMAREX ENERGY CO.

REF: 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.



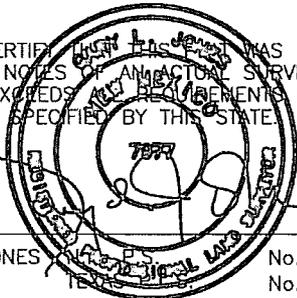
OWNER: BRINNINSTOOL XL RANCH, LLC

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.



GARY L. JONES, P.S. No. 7977
LEA COUNTY, NEW MEXICO No. 5074

basin surveys
focused on excellence
in the oilfield

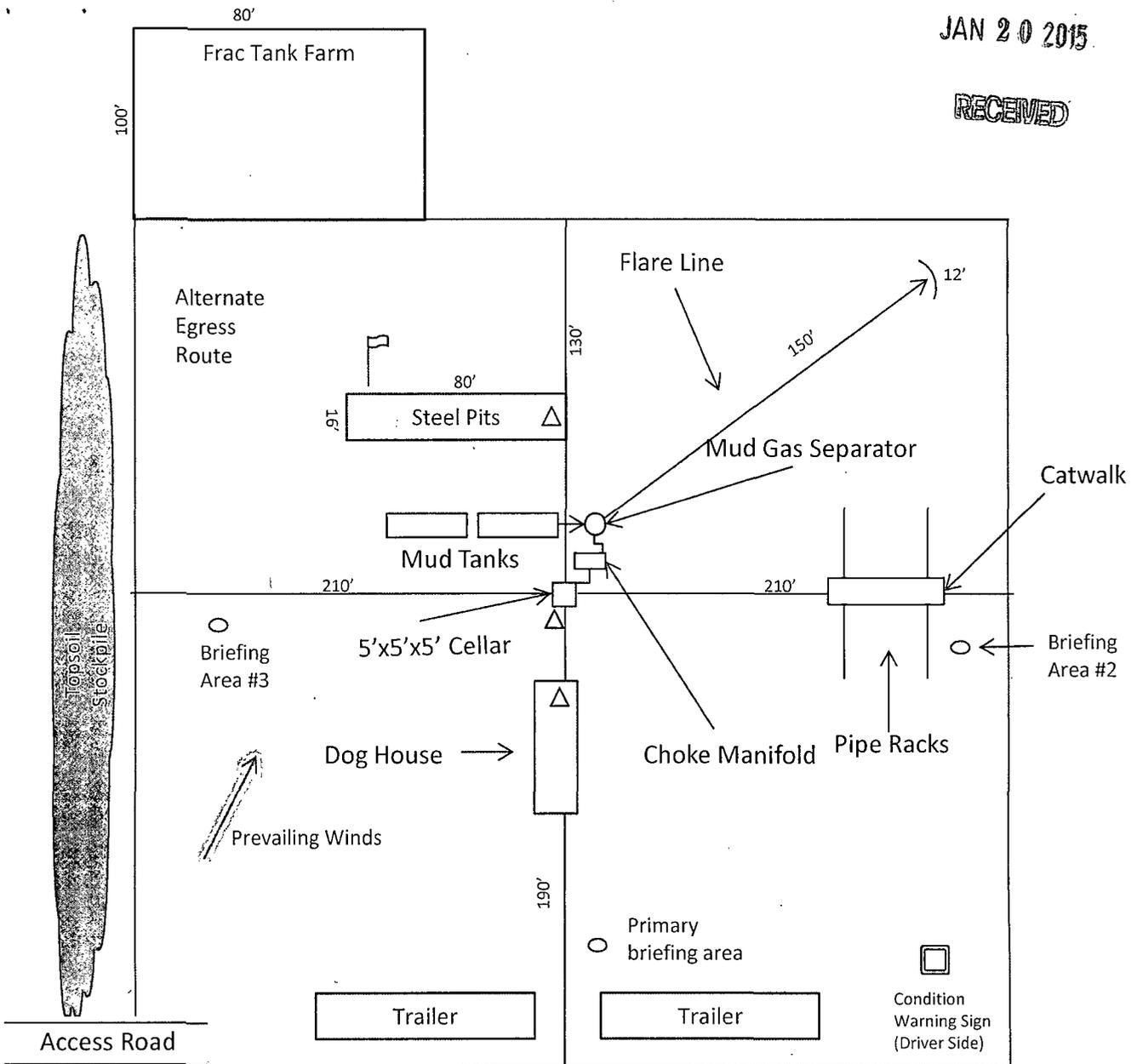
P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basin surveys.com



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 5H
 Cimarex Energy Co.
 28-25S-33E
 SHL 180 FNL & 1330 FEL
 BHL 330 FSL & 1330 FEL
 Lea County, NM