

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) 834-6178 Fax: (505) 334-6170

DISTRICT IV
1820 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3480 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025-42329	Pool Code 97994	Pool Name WC-025 G-06 5253329D; UPPER BS
Property Code 300545	Property Name RED HILLS UNIT	Well Number 24H
OGRID No. 215099	Operator Name CIMAREX ENERGY COMPANY	Elevation 3379

Surface Location

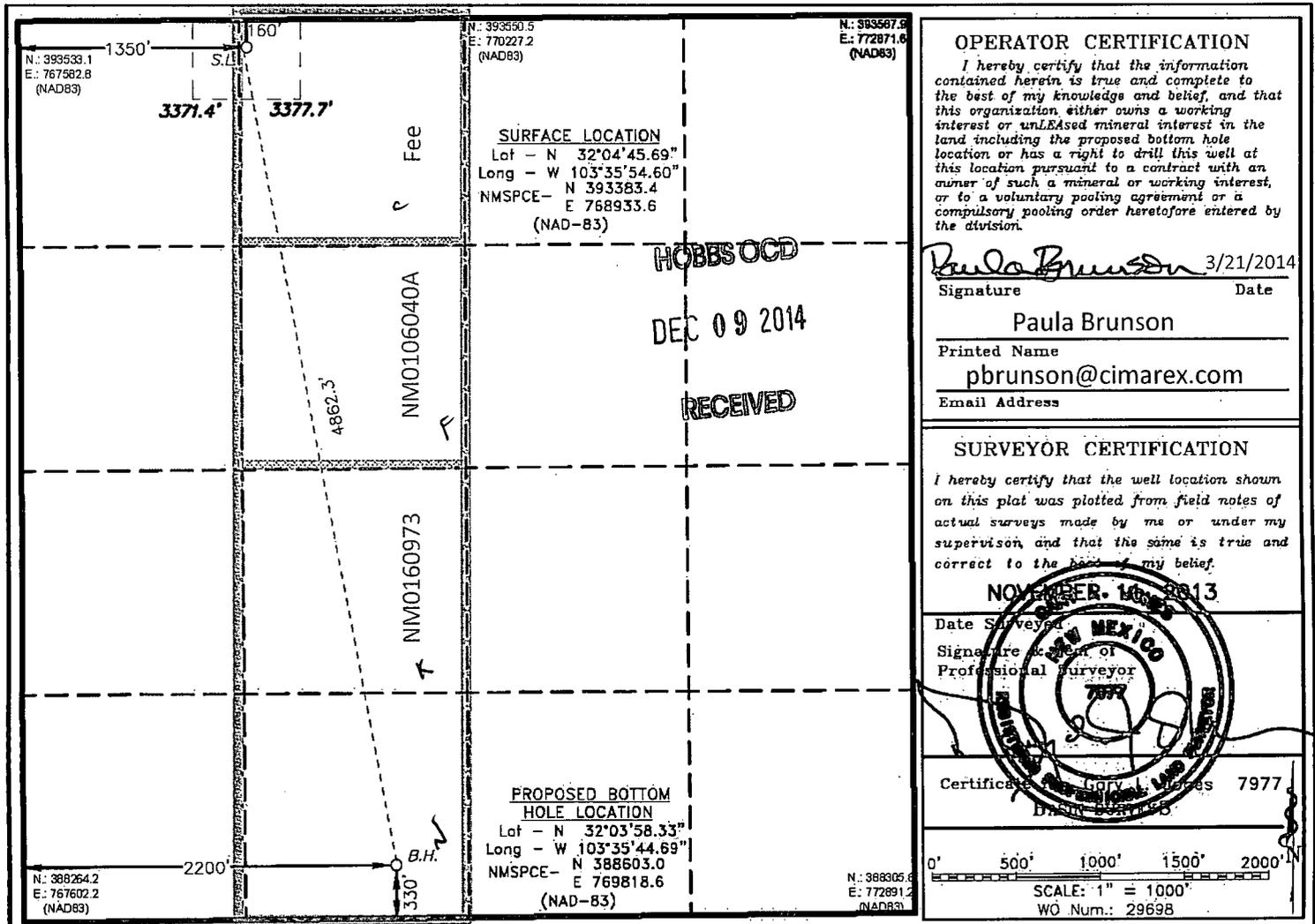
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	5	26 S	33 E		160	NORTH	1350	WEST	LEA

Bottom Hole Location If Different From Surface

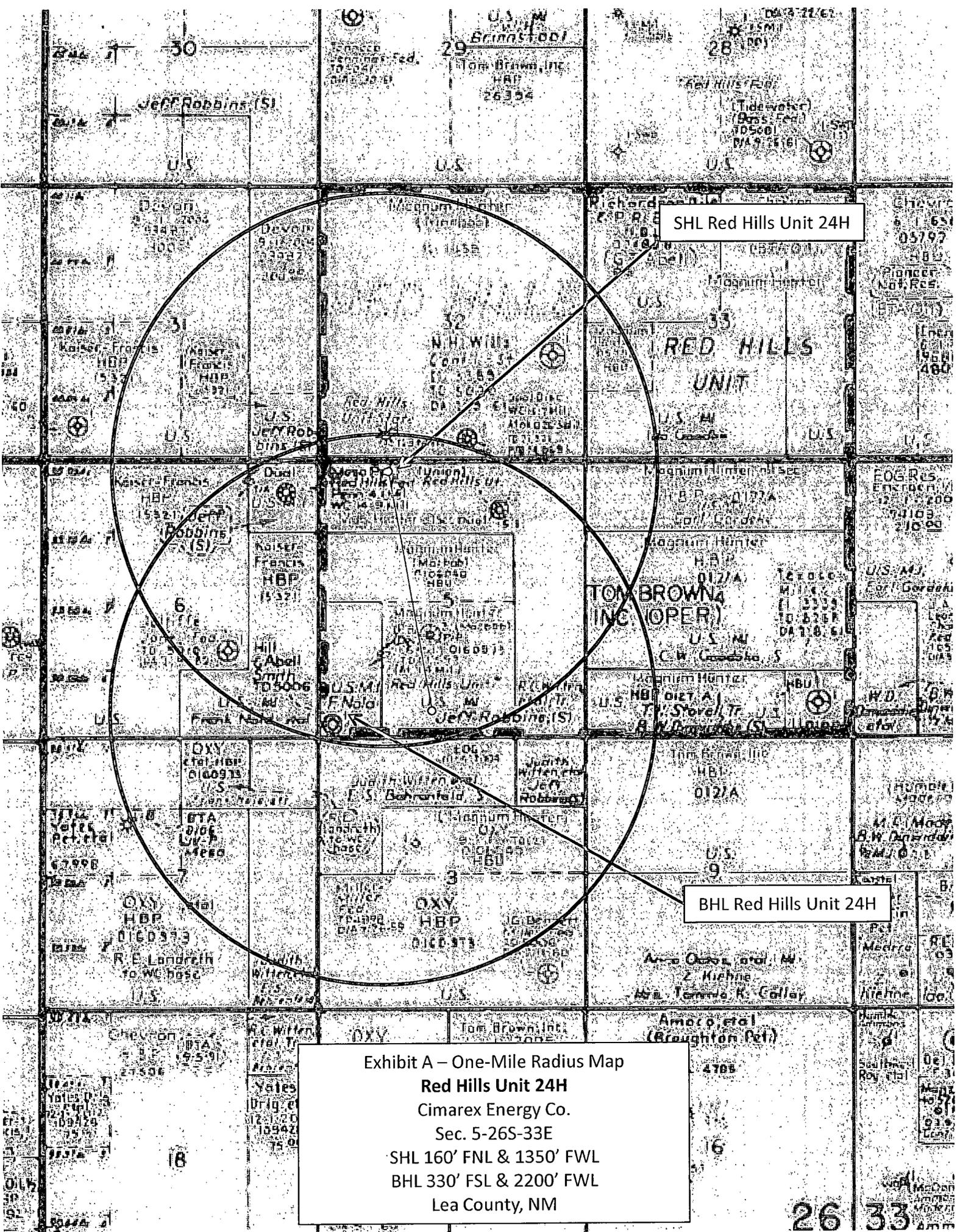
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	5	26 S	33 E		330	SOUTH	2200	WEST	LEA

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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



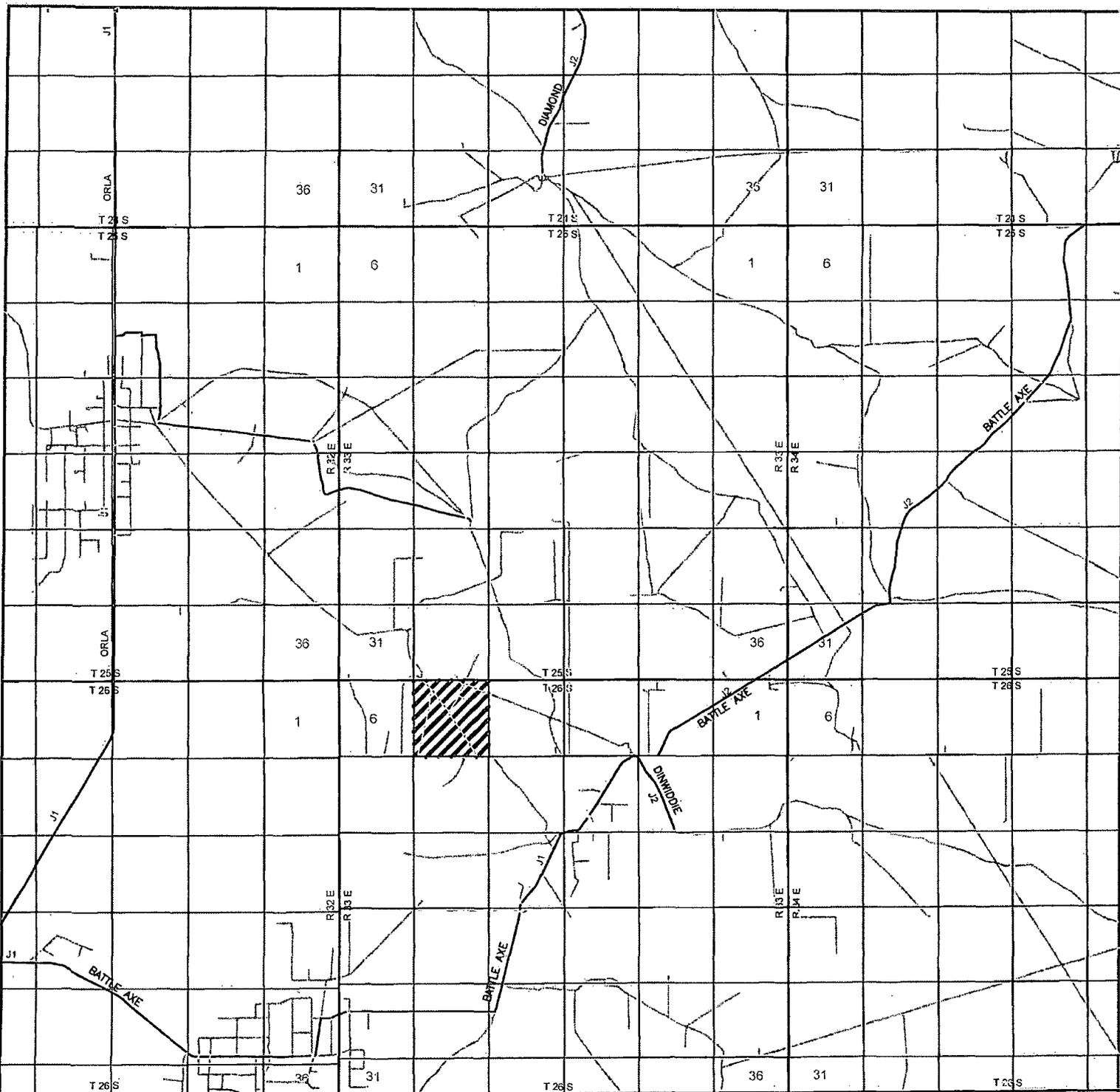
DEC 10 2014 - 7M



SHL Red Hills Unit 24H

BHL Red Hills Unit 24H

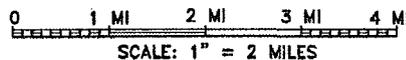
Exhibit A – One-Mile Radius Map
 Red Hills Unit 24H
 Cimarex Energy Co.
 Sec. 5-26S-33E
 SHL 160' FNL & 1350' FWL
 BHL 330' FSL & 2200' FWL
 Lea County, NM



RED HILLS UNIT #24H
 Located 160' FNL and 1350'FWL
 Section 5, Township 26 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.



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W.O. Number: KAN 29698

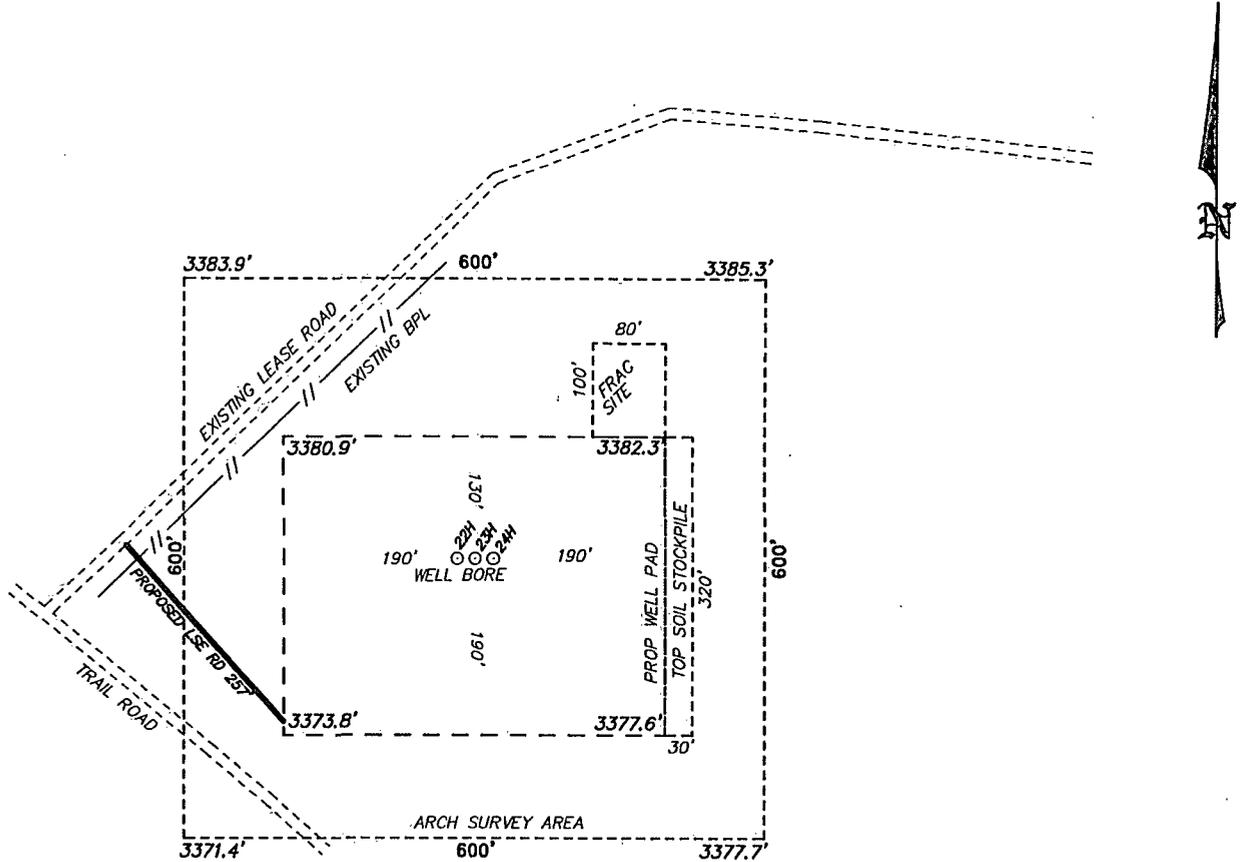
Survey Date: 11-11-2013

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



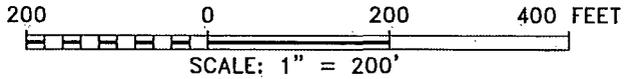
Exhibit B

SECTION 5, TOWNSHIP 26 SOUTH, RANGE 33 EAST. N.M.P.M.,
LEA COUNTY, NEW MEXICO.



CIMAREX ENERGY COMPANY
RED HILLS UNIT #24H
 ELEV. - 3379'
 Lat - N 32°04'45.69"
 Long - W 103°35'54.60"
 NMSPCE- N 393383.4
 E 768933.6
 (NAD-83)

JAL, NM IS ±31 MILES TO THE SOUTHEAST OF LOCATION.



Directions to Location:

FROM HWY 128 AND BATTLE AXE ROAD, GO SOUTH ON BATTLE AXE ROAD 13.2 MILES, WEST 2.3 MILES, NORTH AND FOLLOW LEASE ROAD 1.7 MILES TO PROPOSED LOCATION.



REF: RED HILLS UNIT #24H / WELL PAD TOPO

THE RED HILLS UNIT #24H LOCATED 160' FROM THE NORTH LINE AND 1350' FROM THE WEST LINE OF SECTION 5, TOWNSHIP 26 SOUTH, RANGE 33 EAST.

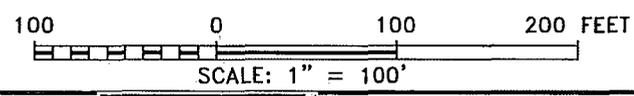
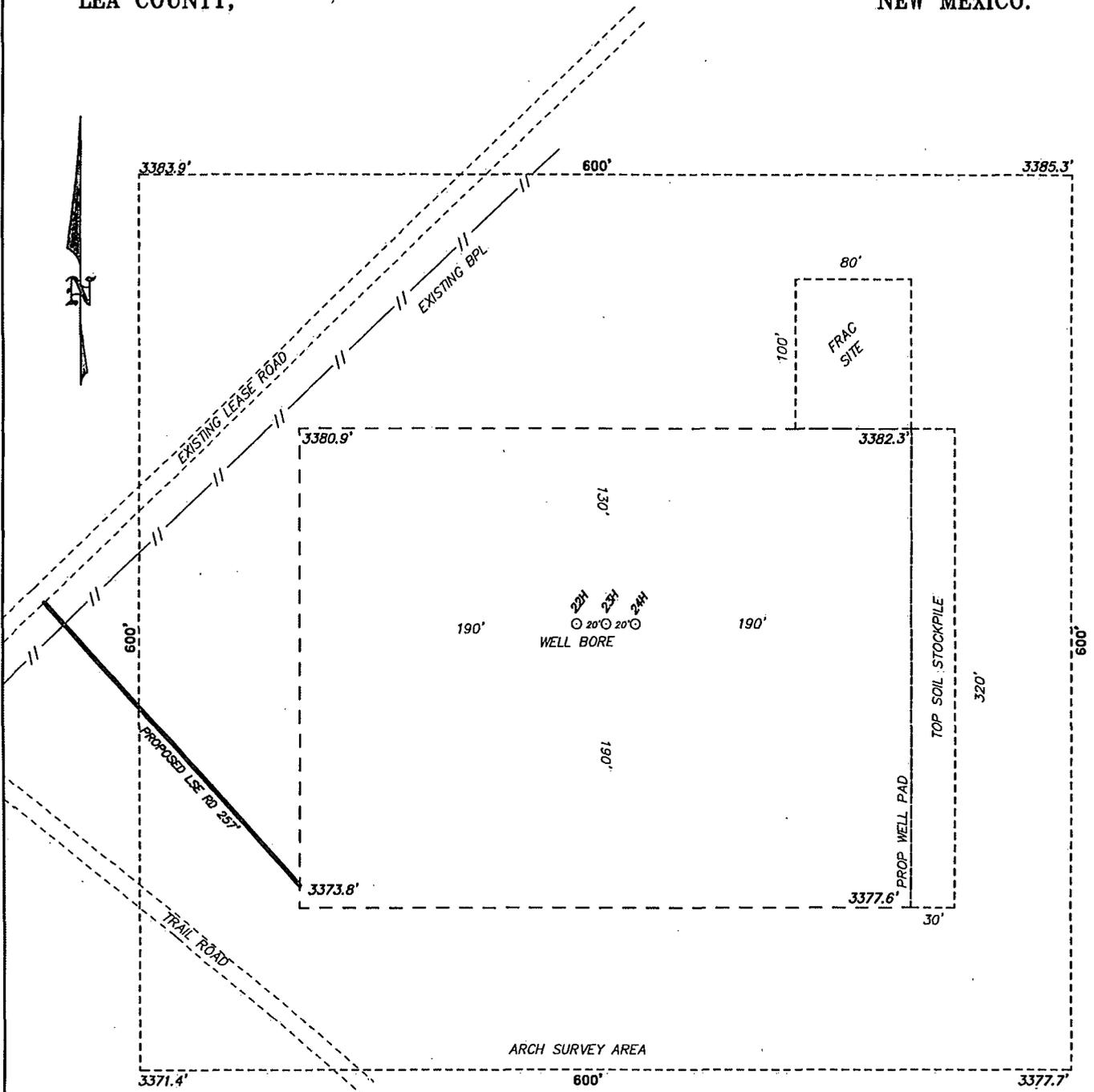
N.M.P.M., LEA COUNTY, NEW MEXICO.



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Exhibit C-1

SECTION 5, TOWNSHIP 26 SOUTH, RANGE 33 EAST. N.M.P.M.,
LEA COUNTY, NEW MEXICO.



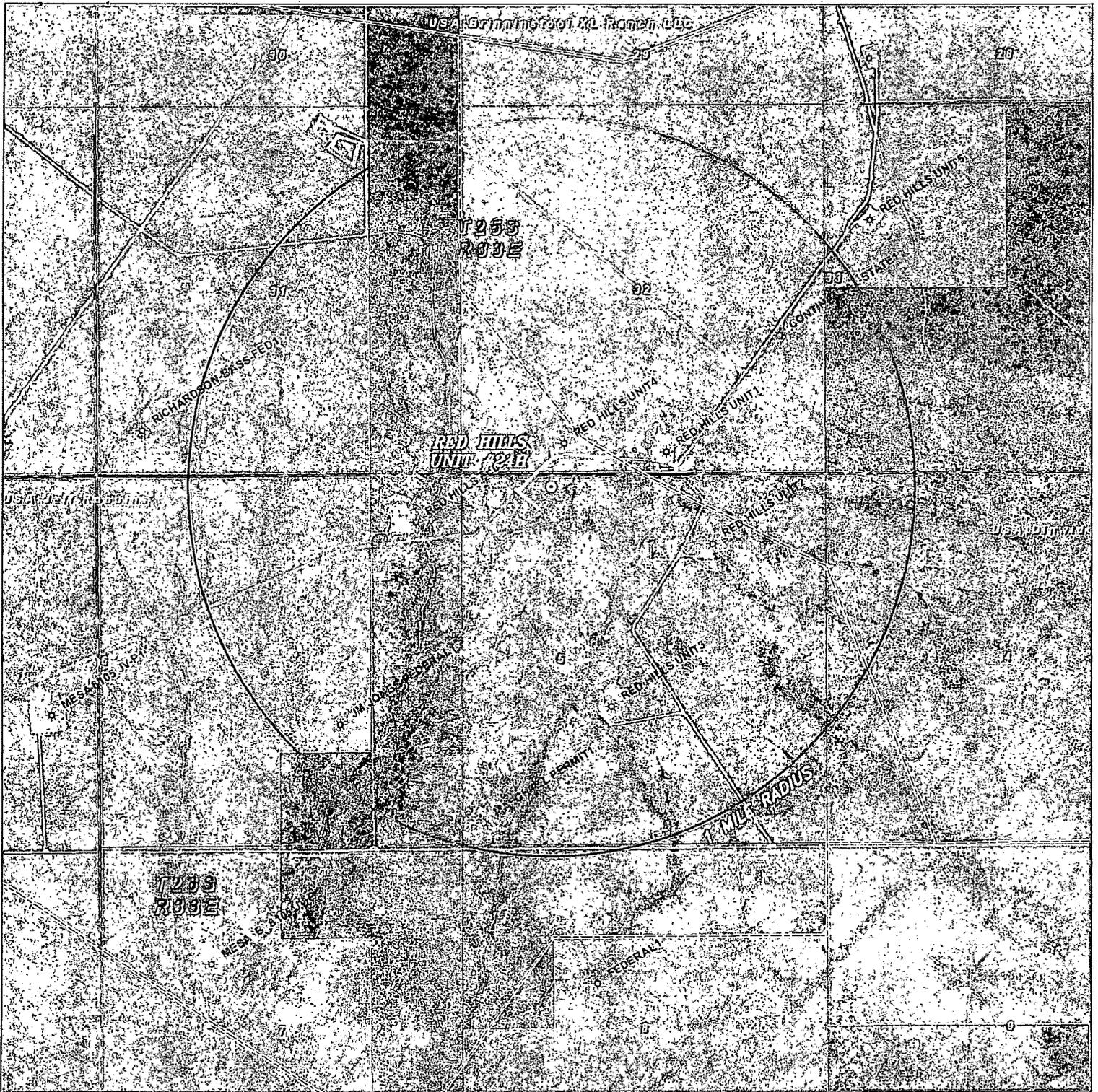
CIMAREX ENERGY CO.

REF: RED HILLS UNIT #24H / WELL PAD TOPO
THE RED HILLS UNIT #24H LOCATED 160' FROM
THE NORTH LINE AND 1350' FROM THE WEST LINE OF
SECTION 5, TOWNSHIP 26 SOUTH, RANGE 33 EAST.
N.M.P.M., LEA COUNTY, NEW MEXICO.

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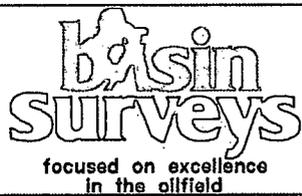
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Exhibit C-1



RED HILLS UNIT #24H

Located 160' FNL and 1350'FWL
 Section 5, Township 26 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.



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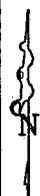
0' 1000' 2000' 3000' 4000'

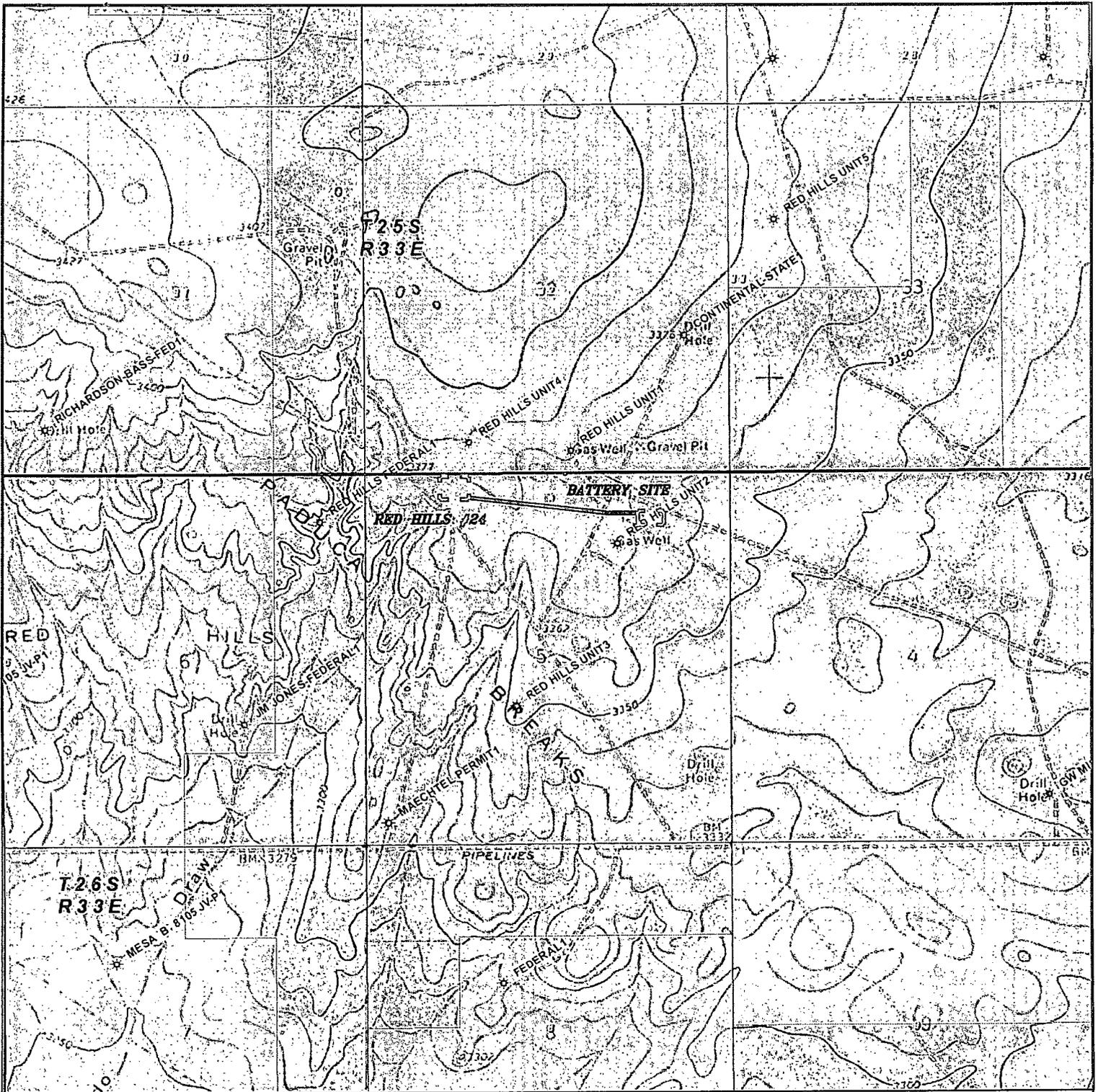
SCALE: 1" = 2000'

W.O. Number: KAN 29698

Survey Date: 11-11-2013

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





PROPOSED FLOWLINE FOR RED HILLS #24H
 Section 5, Township 26 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.

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0' 1000' 2000' 3000' 4000'

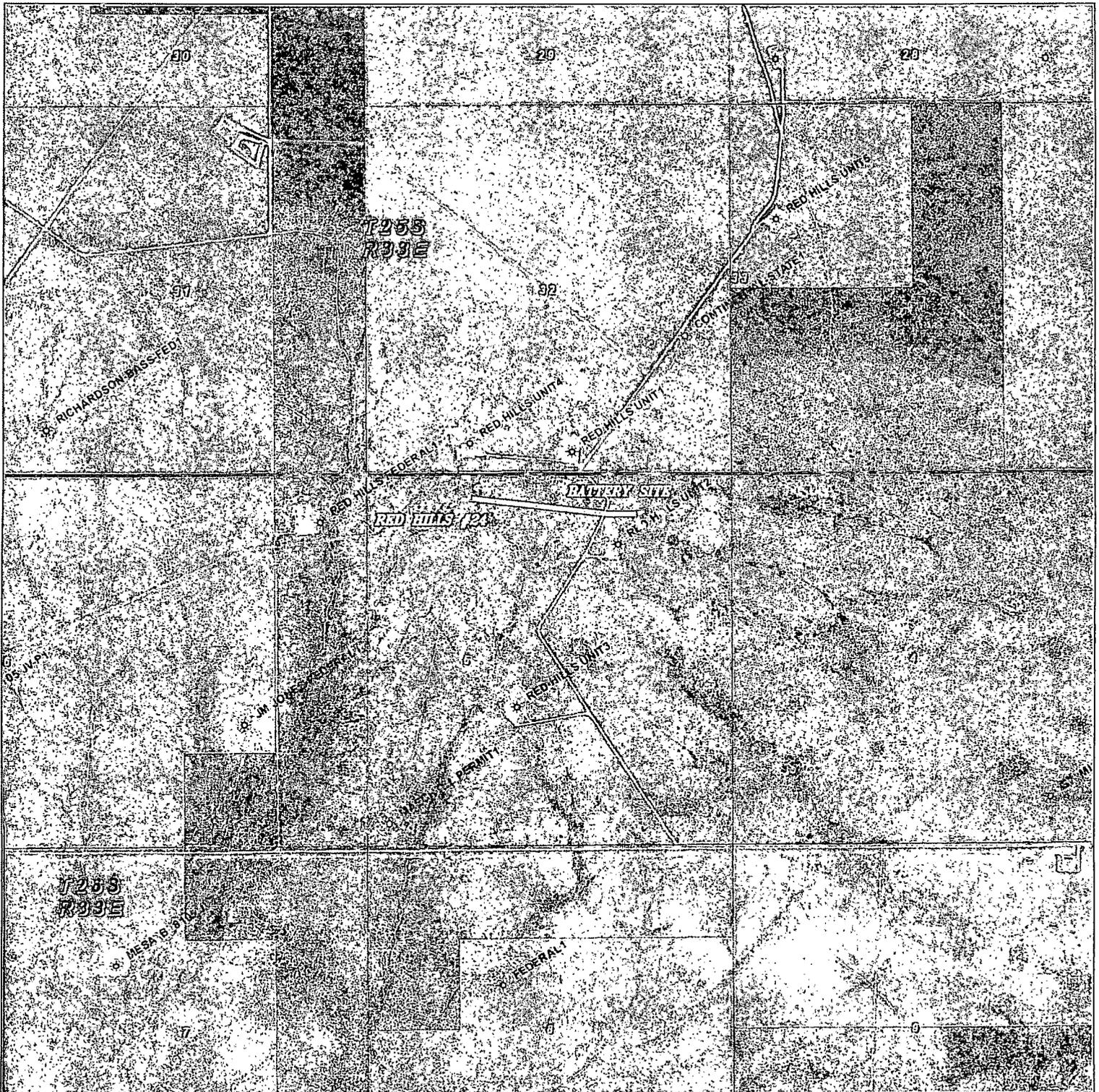
SCALE: 1" = 2000'

W.O. Number: KAN 30123

Survey Date: 02-20-2014

YELLOW TINT - FEE LAND
 BLUE TINT - FEE LAND
 NATURAL COLOR - FEE LAND

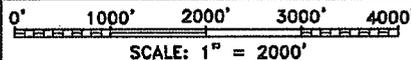
CIMAREX
ENERGY CO.



PROPOSED FLOWLINE FOR RED HILLS #24H
 Section 5, Township 26 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.

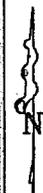


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W.O. Number: KAN 30123
 Survey Date: 02-20-2014

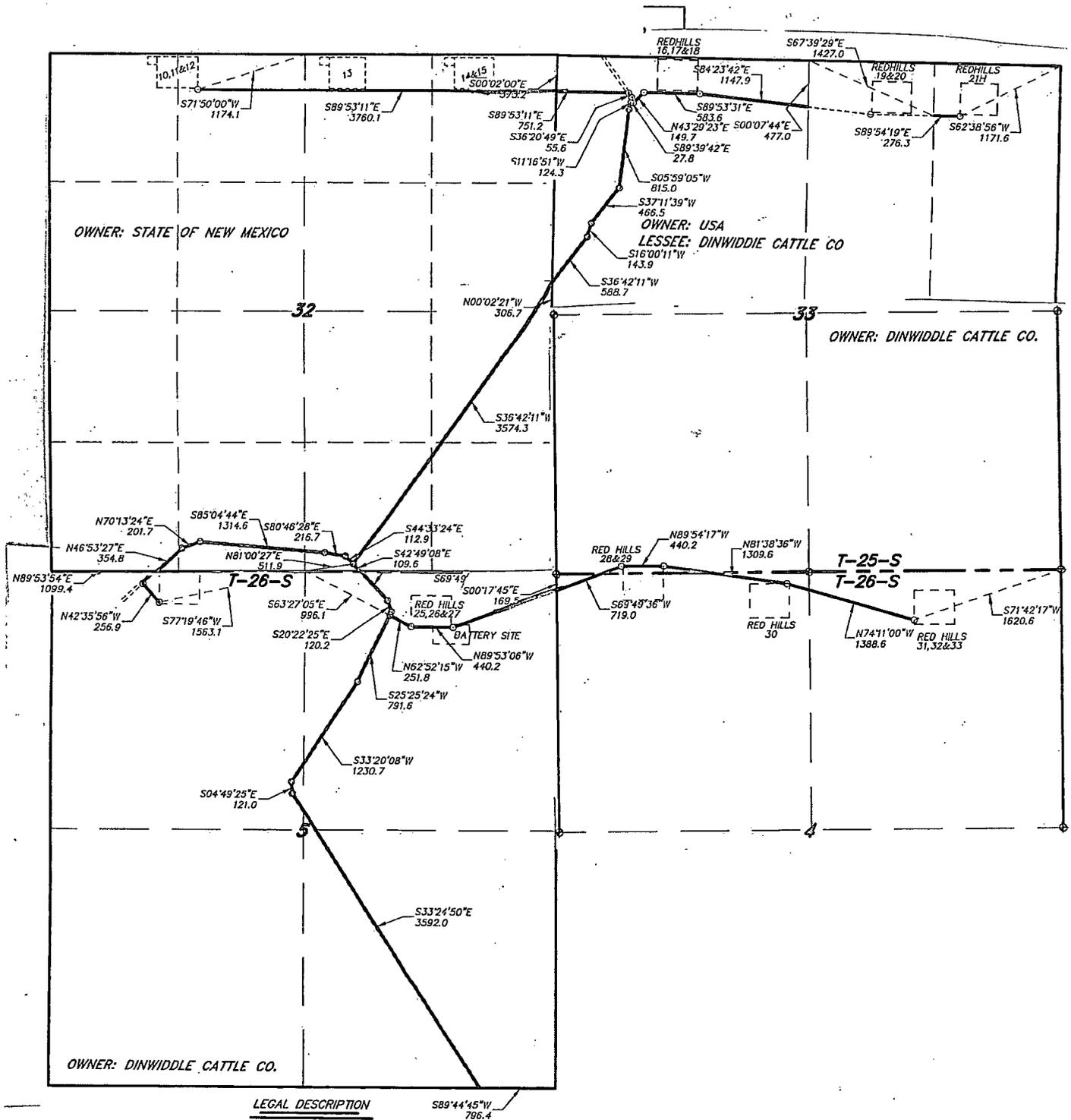
YELLOW TINT - FEE LAND
 BLUE TINT - FEE LAND
 NATURAL COLOR - FEE LAND



RED HILLS UNIT

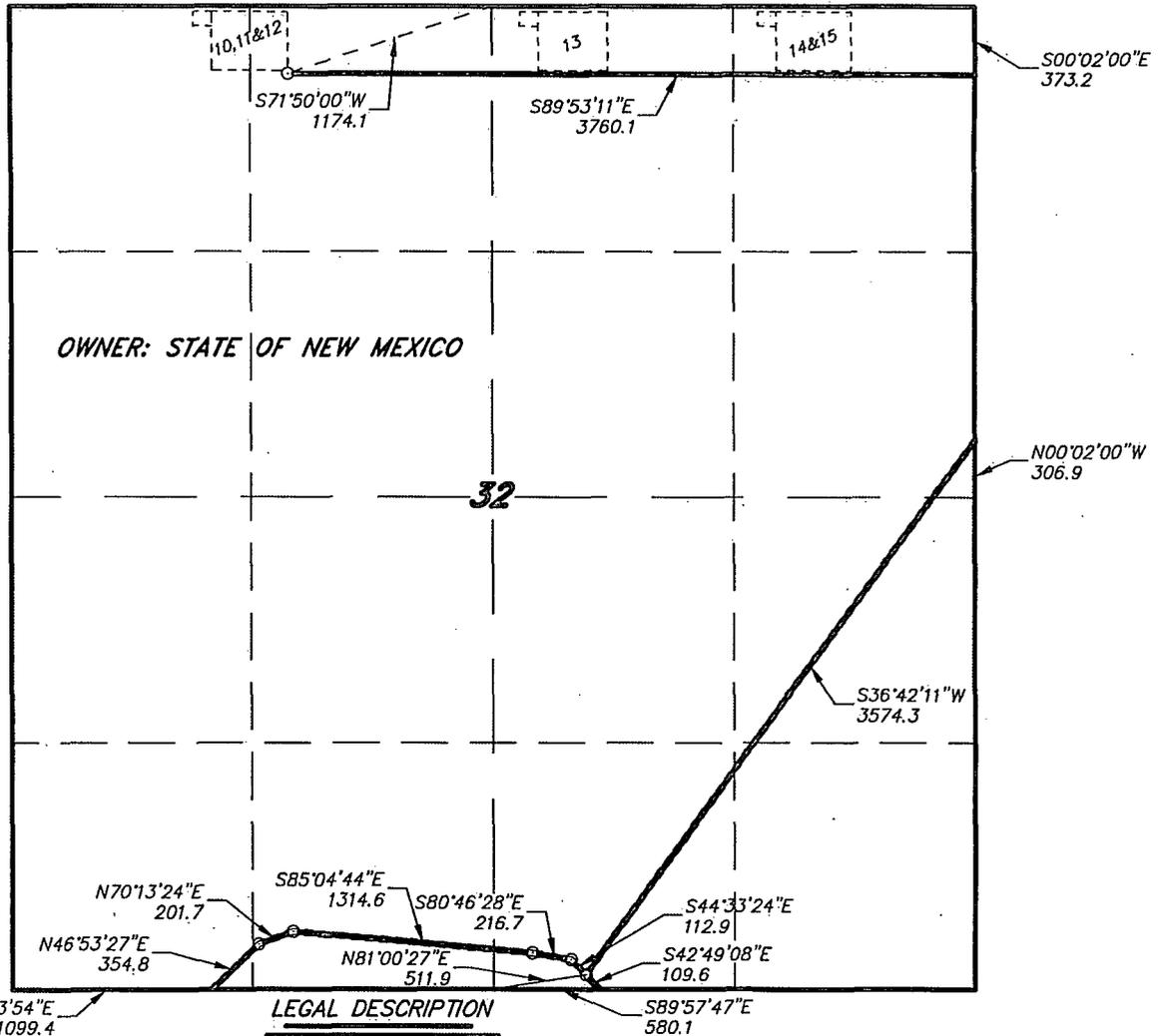
Exhibit C-1 Public Access Road & Exhibit C-2 Proposed & Existing Roads





Red Hills Unit Lease Road Information Plat consolidation

SECTION 32, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 32, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT WHICH LIES S.71°50'00"E., 1174.1 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 32; THENCE S.89°53'11"E., 3760.1 FEET TO A POINT ON THE EAST SECTION LINE WHICH LIES S.00°02'00"E., 373.2 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 32; THENCE BEGINNING AGAIN AT A POINT WHICH LIES N.00°02'00"W., 306.9 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION 32; THENCE S.36°42'11"W., 3574.3 FEET; THENCE S.42°49'08"E., 109.6 FEET TO A POINT WHICH LIES S.89°57'47"E., 580.1 FEET FROM THE SOUTH QUARTER CORNER OF SAID SECTION 32; THENCE BEGINNING AGAIN AT A POINT WHICH LIES N.89°53'54"E., 1099.4 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 32; THENCE N.46°53'27"E., 354.8 FEET; THENCE N.70°13'24"E., 201.7 FEET; THENCE S.85°04'44"E., 1314.6 FEET; THENCE S.80°46'28"E., 216.7 FEET; THENCE S.44°33'24"E., 112.9 FEET TO THE END OF THIS LINE WHICH LIES N.81°00'27"E., 511.9 FEET FROM THE SOUTH QUARTER CORNER OF SAID SECTION 32. SAID STRIP OF LAND BEING 9644.7 FEET OR 584.53 RODS IN LENGTH AND CONTAINING 6.64 ACRES, MORE OR LESS, AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NE/4 = 80.10 RODS = 0.91 ACRES	NW/4 NE/4 = 80.13 RODS = 0.91 ACRES	NE/4 NW/4 = 67.65 RODS = 0.77 ACRES
SE/4 NE/4 = 23.20 RODS = 0.26 ACRES	NE/4 SE/4 = 99.83 RODS = 1.13 ACRES	SE/4 SE/4 = 10.90 RODS = 0.12 ACRES
SW/4 SE/4 = 122.24 RODS = 1.39 ACRES	SE/4 SW/4 = 81.93 RODS = 0.93 ACRES	SW/4 SW/4 = 18.55 RODS = 0.22 ACRES

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



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

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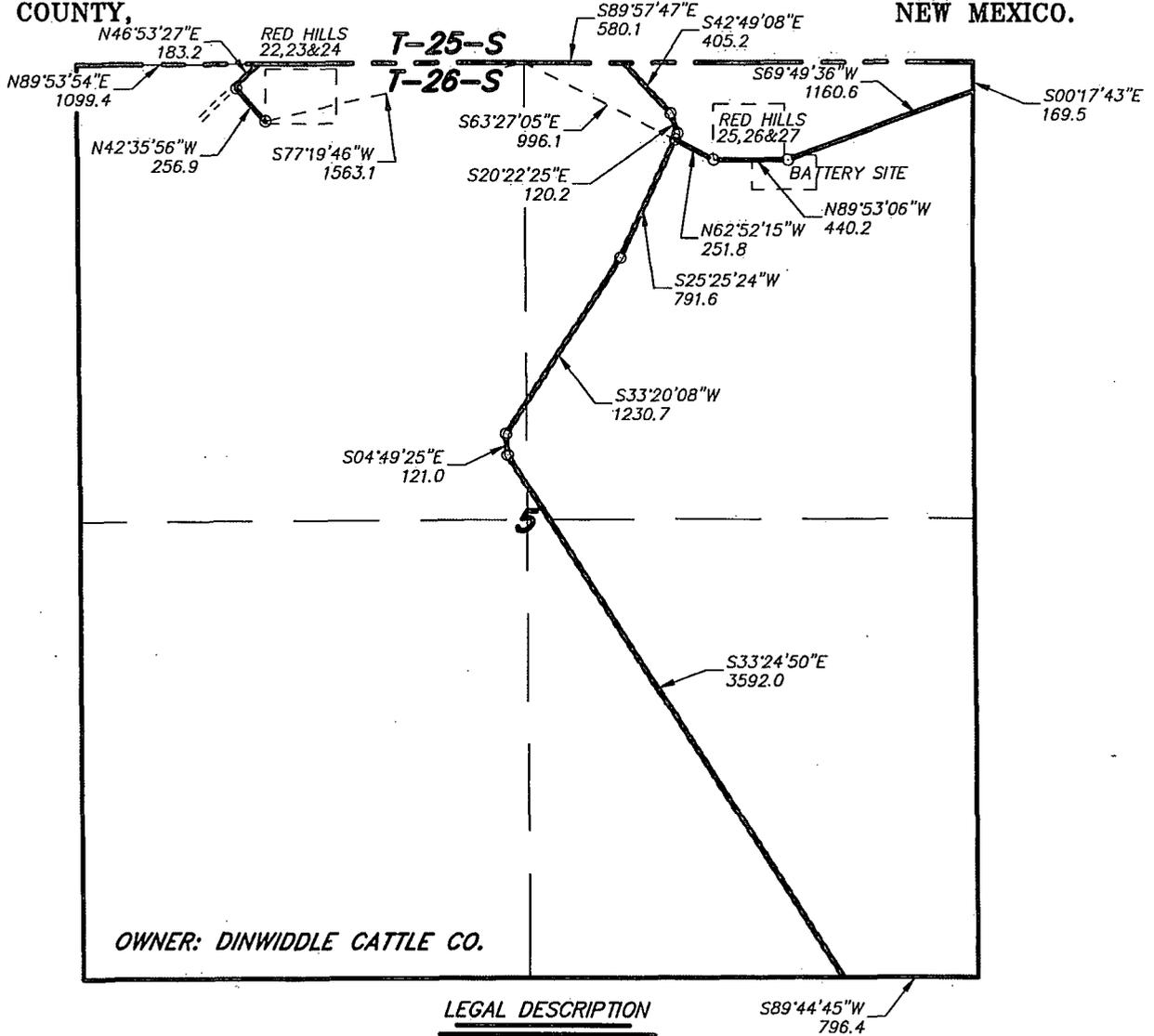


CIMAREX ENERGY CO.

REF: RED HILLS UNIT WELLS ROAD

A ROAD CROSSING STATE LAND IN
SECTION 32, TOWNSHIP 25 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

SECTION 5, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



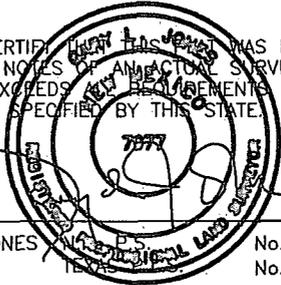
OWNER: DINWIDDLE CATTLE CO.

LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 5, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT WHICH LIES S.77'19'46\"W, 1563.1 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 5; THENCE N.42'35'56\"W, 256.9 FEET; THENCE N.46'53'27\"E, 183.2 FEET TO A POINT ON THE NORTH SECTION LINE WHICH LIES N.89'53'54\"E, 1099.4 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 5; THENCE BEGINNING AGAIN AT A POINT WHICH LIES S.00'17'43\"E, 169.5 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 5; THENCE S.69'49'36\"W, 1160.6 FEET; THENCE N.89'53'06\"W, 440.2 FEET; THENCE N.62'52'15\"W, 251.8 FEET TO THE END OF THIS LINE WHICH LIES S.63'27'05\"W, 996.1 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 5; THENCE BEGINNING AGAIN AT A POINT WHICH LIES S.89'57'47\"E, 580.1 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 5; THENCE S.42'49'08\"E, 405.2 FEET; THENCE S.20'22'25\"E, 120.2 FEET; THENCE S.25'25'24\"W, 791.6 FEET; THENCE S.33'20'08\"W, 1230.7 FEET; THENCE S.04'49'25\"E, 121.0 FEET; THENCE S.33'24'50\"E, 3592.0 FEET TO A POINT ON THE SOUTH SECTION LINE WHICH LIES S.89'44'45\"W, 796.4 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 5. SAID STRIP OF LAND BEING 8853.4 FEET OR 518.39 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED FROM FIELD NOTES OF AN INDEPENDENT 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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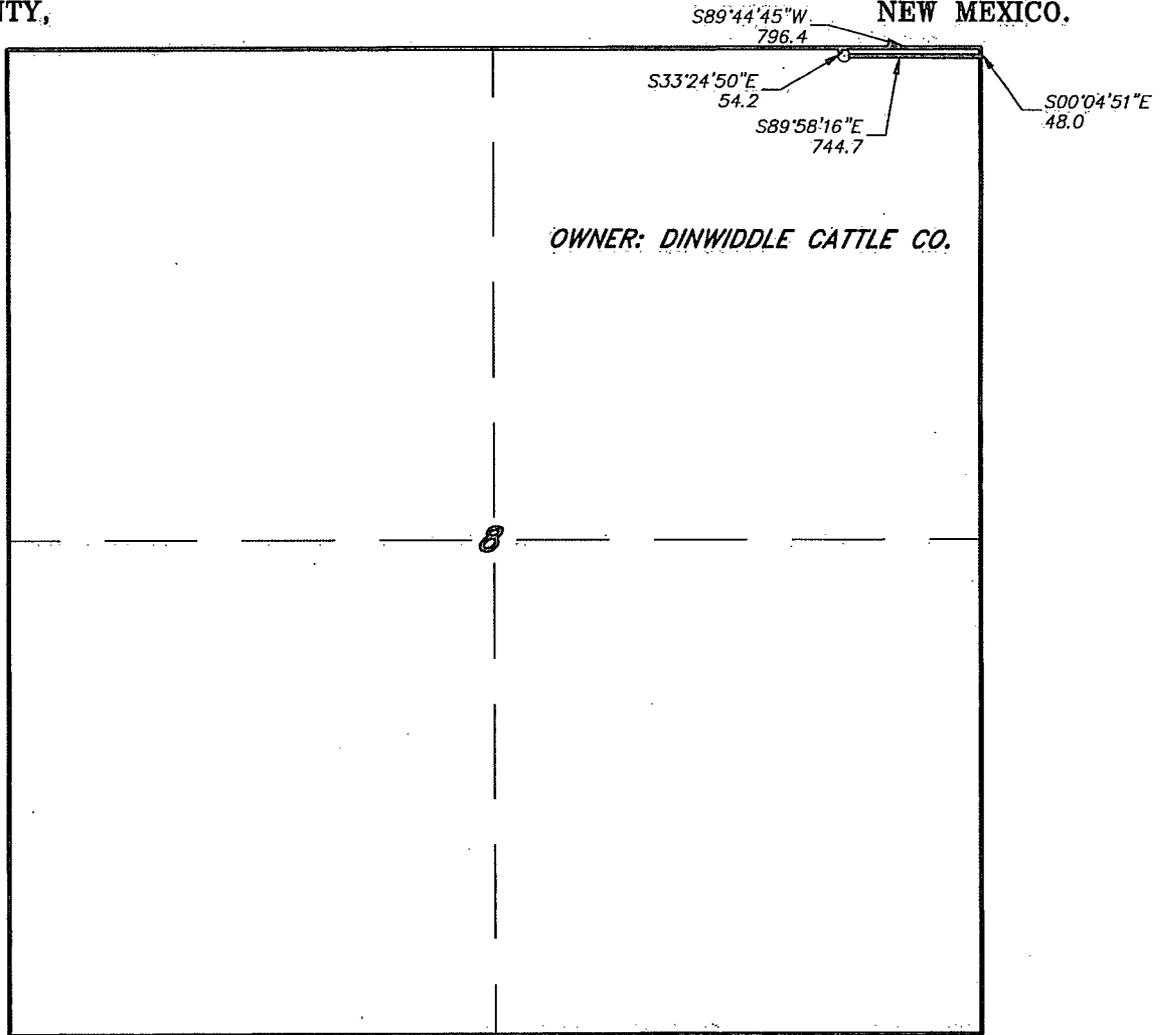


CIMAREX ENERGY CO.

REF: RED HILLS UNIT WELLS ROAD

A ROAD CROSSING FEE LAND IN
SECTION 5, TOWNSHIP. 26 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

SECTION 8, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

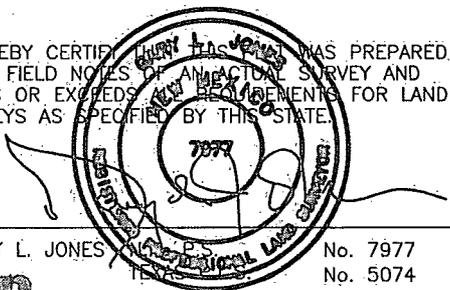


LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 8, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT WHICH LIES S.89°44'45"W., 796.4 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 8; THENCE S.33°24'50"E., 54.2 FEET; THENCE S.89°58'16"E., 744.7 FEET TO A POINT ON THE EAST SECTION LINE WHICH LIES S.00°04'51"E., 48.0 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 8. SAID STRIP OF LAND BEING 798.9 FEET OR 48.42 RODS IN LENGTH.

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 No. 7977
No. 5074



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CIMAREX ENERGY CO.

REF: RED HILLS UNIT WELLS ROAD

A ROAD CROSSING FEE LAND IN
SECTION 8, TOWNSHIP 26 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

SECTION 9, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

S00°04'51"E
48.0

S89°58'16"E
5284.2

S00°03'46"E
45.4

OWNER: USA
LESSEE: KIEHNE RANCH AND CATTLE CO

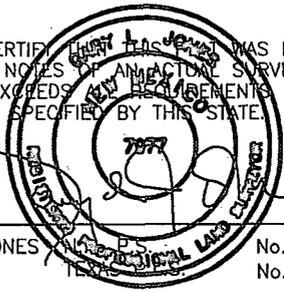
9

LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 9, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

5284.2 FEET = 1.00 MILES = 320.25 RODS = 3.64 ACRES

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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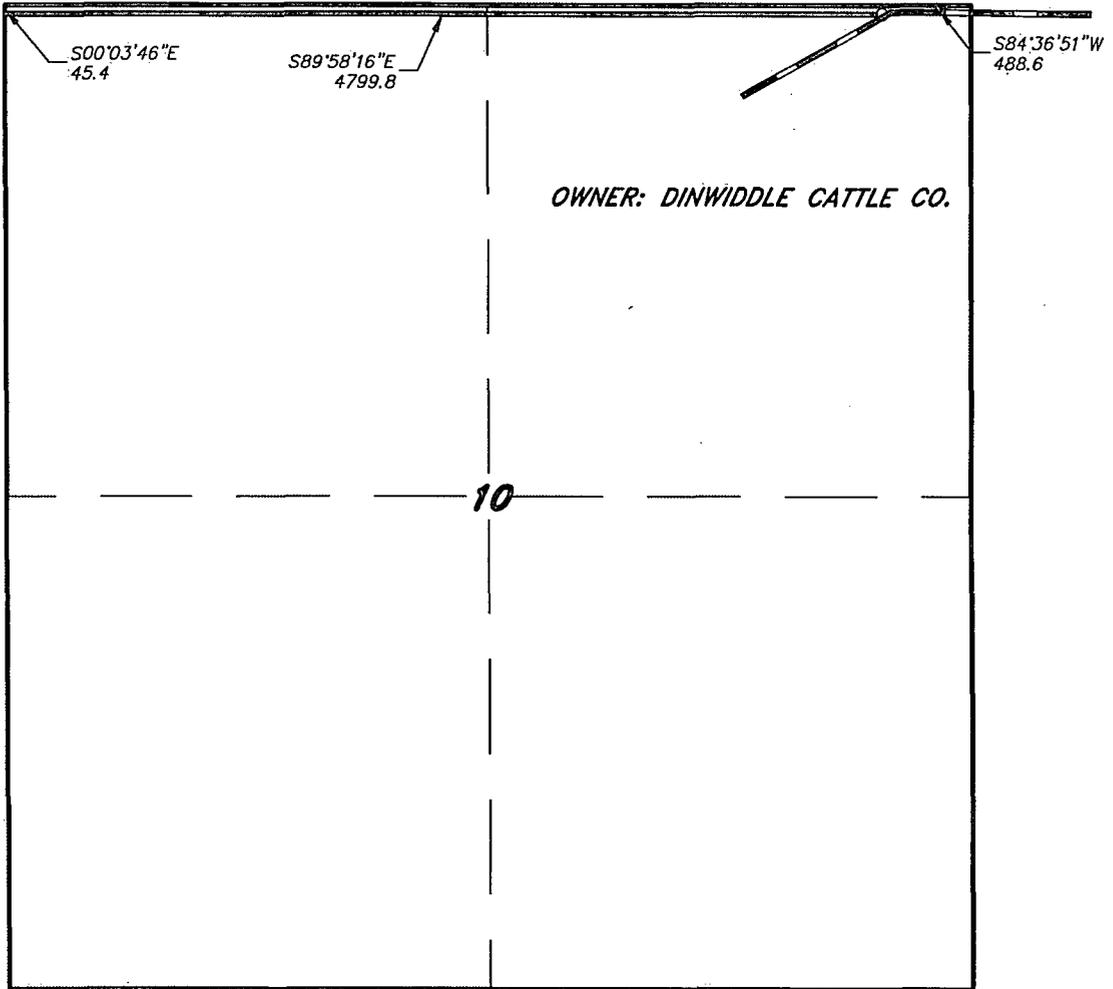
1000 0 1000 2000 FEET

CIMAREX ENERGY CO.

REF: RED HILLS UNIT WELLS ROAD

A ROAD CROSSING FEE LAND IN
SECTION 9, TOWNSHIP 26 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

SECTION 10, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

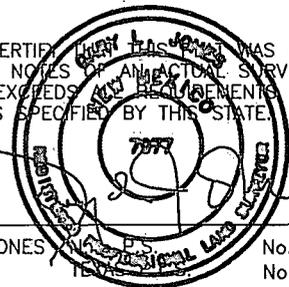


OWNER: DINWIDDLE CATTLE CO.

LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 10, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.
BEGINNING AT A POINT WHICH LIES S.00°03'46"E., 45.4 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 10; THENCE S.89°58'16"E., 4799.8 FEET TO THE END OF THIS LINE WHICH LIES S.84°36'51"W., 488.6 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 10. SAID STRIP OF LAND BEING 4799.8 FEET OR 290.90 RODS IN LENGTH.

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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No. 5074



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CIMAREX ENERGY CO.

REF: RED HILLS UNIT WELLS ROAD

A ROAD CROSSING FEE LAND IN
SECTION 10, TOWNSHIP 26 SOUTH, RANGE 33 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Exhibit C-2

Application to Drill
Red Hills Unit 24H
 Cimarex Energy Co.
 UL: C, Sec. 5, 26S, 33E
 LEA Co., NM

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. Location: SHL 160 FNL & 1350 FWL
 BHL 330 FSL & 2200 FWL

2. Elevation Above Sea Level: 3,379' GR

3. Geologic Name of Surface Formation: Quaternary Alluvium Deposits

4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal

5. Proposed Drilling Depth: 14,684 MD 9,875 TVD Pilot Hole TD: N/A

6. Estimated Tops of Geological Markers:

Formation	Est Top	Bearing
Rustler	995	N/A
Salt	1140	N/A
Castille	3380	N/A
Lamar	4900	N/A
Bell Canyon	4945	N/A
Cherry Canyon	6190	N/A
Brushy Canyon	7485	N/A
Bone Spring	9045	Hydrocarbons
U. Avalon (Leonard)	9080	Hydrocarbons
L. Avalon	9680	Hydrocarbons

7. Possible Mineral Bearing Formation: Shown above

7A. OSE Ground Water Estimated Depth: 180'

8. Casing Program:

Name	Casing Depth From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft) TVD	Open Hole Size (inches)	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Condition	BHP (psig)	Anticipated Mud Weight (ppg)	Collapse SF at Full Evacuation(1.125)	Collapse SF at 1/3 Evacuation(1.125)	Burst SF (1.125)	Cumulative Air Weight	Cumulative Bouyed Weight (lbs)	Bouyant Tension SF (1.8)
Surface	0	1045	9875	17 1/2	13-3/8"	48.00	H-40	ST&C	New	478	8.8	1.55		3.62	50,160	43,421	7.42
Intermediate	0	4920	4850	12 1/4	9-5/8"	36.00	J-55	LT&C	New	2583	10.1		1.17	1.36	177,120	149,808	3.02
Production	0	9239	9239	8 3/4	5-1/2"	17.00	L-80	LT&C	New	4419	9.2	1.42		1.75	167,875	144,295	2.34
Production	9239	14684	9875	8 3/4	5-1/2"	17.00	L-80	BT&C	New	4724	9.2	1.33		1.64	10,812	9,293	42.72

Note: Operator may drill a 8-1/2" OH from end of curve to TD of the well. This is to reduce the need to ream the conventionally drilled curve to run a RSS assembly into the lateral.