

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 (505) 748-1283 Fax: (505) 748-9720

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone (505) 834-6178 Fax: (505) 834-6170

DISTRICT IV  
1220 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- <b>42185</b>	Pool Code <b>28432</b>	Pool Name <b>GRAMA RIDGE; 19 S, WEST</b>	<b>5</b>
Property Code <b>313793</b>	Property Name <b>WEST GRAMA RIDGE 5 FEDERAL</b>		Well Number <b>5</b>
OGRID No. <b>215099</b>	Operator Name <b>CIMAREX ENERGY CO.</b>		Elevation <b>3659'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>LOT 4</b>	<b>5</b>	<b>22 S</b>	<b>34 E</b>		<b>330</b>	<b>NORTH</b>	<b>660</b>	<b>WEST</b>	<b>LEA</b>

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
<b>M</b>	<b>5</b>	<b>22 S</b>	<b>34 E</b>		<b>330</b>	<b>SOUTH</b>	<b>660</b>	<b>WEST</b>	<b>LEA</b>

Dedicated Acres <b>160.46</b>	Joint or Infill <i>Paula Brunson</i>	Consolidation Code <b>12/13/13</b>	Order No.
----------------------------------	---	---------------------------------------	-----------

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><b>SURFACE LOCATION</b>          Lot - N 32°25'37.74"          Long - W 103°29'54.22"          NMSPC - N 520134.32          E 798949.68          (NAD-83)</p>	<p>N 520485.90          E 800927.78</p>	<p>N 520514.87          E 803568.62</p>	<p><b>OPERATOR CERTIFICATION</b>          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><i>Hope Knauls</i> 11/20/2013          Signature Date</p> <p>Hope Knauls          Printed Name          hknauls@cimarex.com          Email Address</p>
	<p><b>PROPOSED BOTTOM HOLE LOCATION</b>          Lot - N 32°24'51.85"          Long - W 103°29'54.32"          NMSPC - N 515496.37          E 798977.01          (NAD-83)</p>	<p>N 517836.30          E 803576.76</p>	<p>N 517836.30          E 803576.76</p>	<p><b>SURVEYOR CERTIFICATION</b>          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>N 515180.49          E 800953.09</p>	<p>N 515180.49          E 800953.09</p>	<p>N 515198.38          E 803586.45</p>	<p>Date Surveyed: <b>11/20/12</b>          Signature: <i>[Signature]</i>          Seal of Professional Surveyor          Certificate No. Gary L. Jones 7977</p>
	<p>BASIN SURVEYS</p>			<p>OCT 15 2014</p>

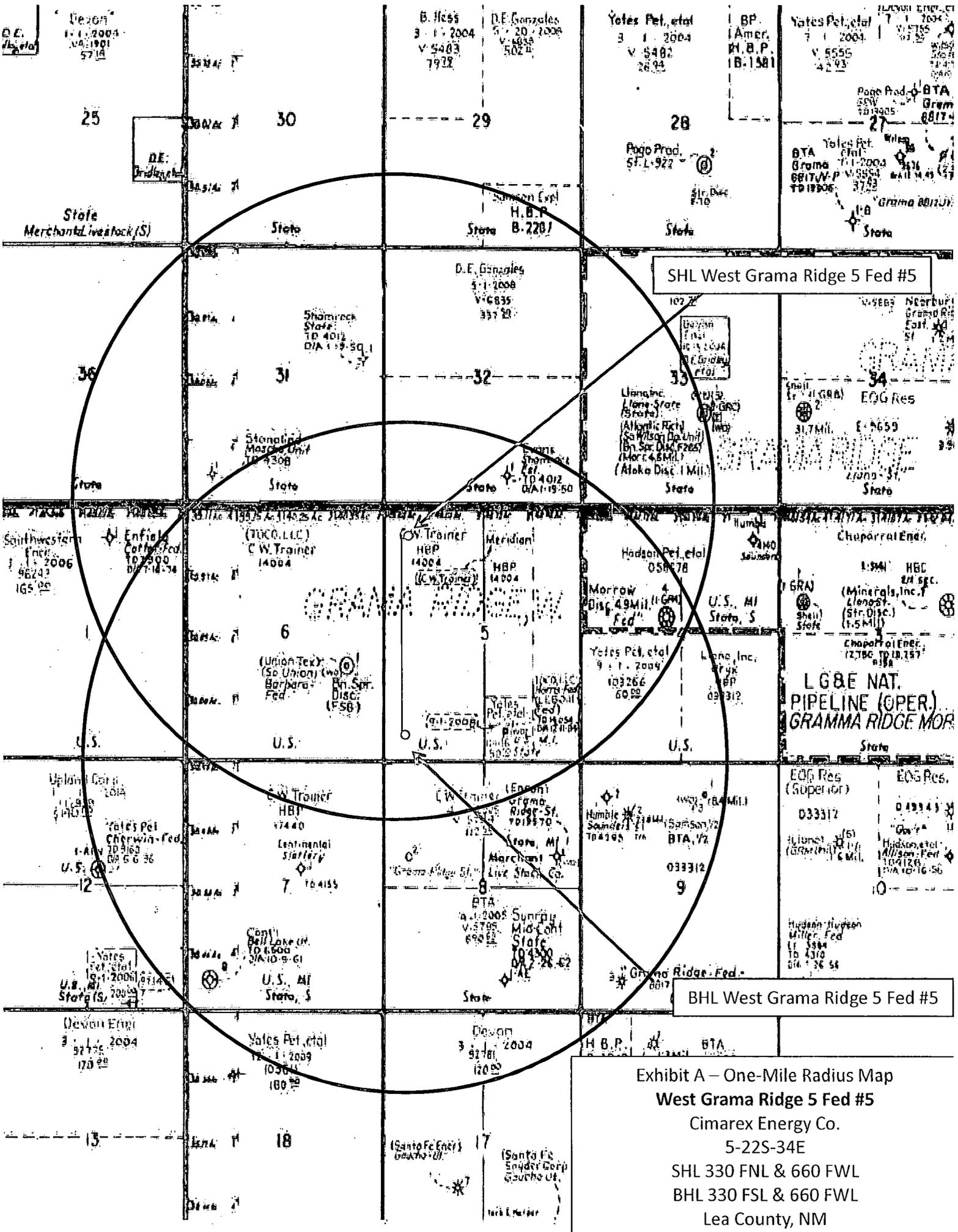
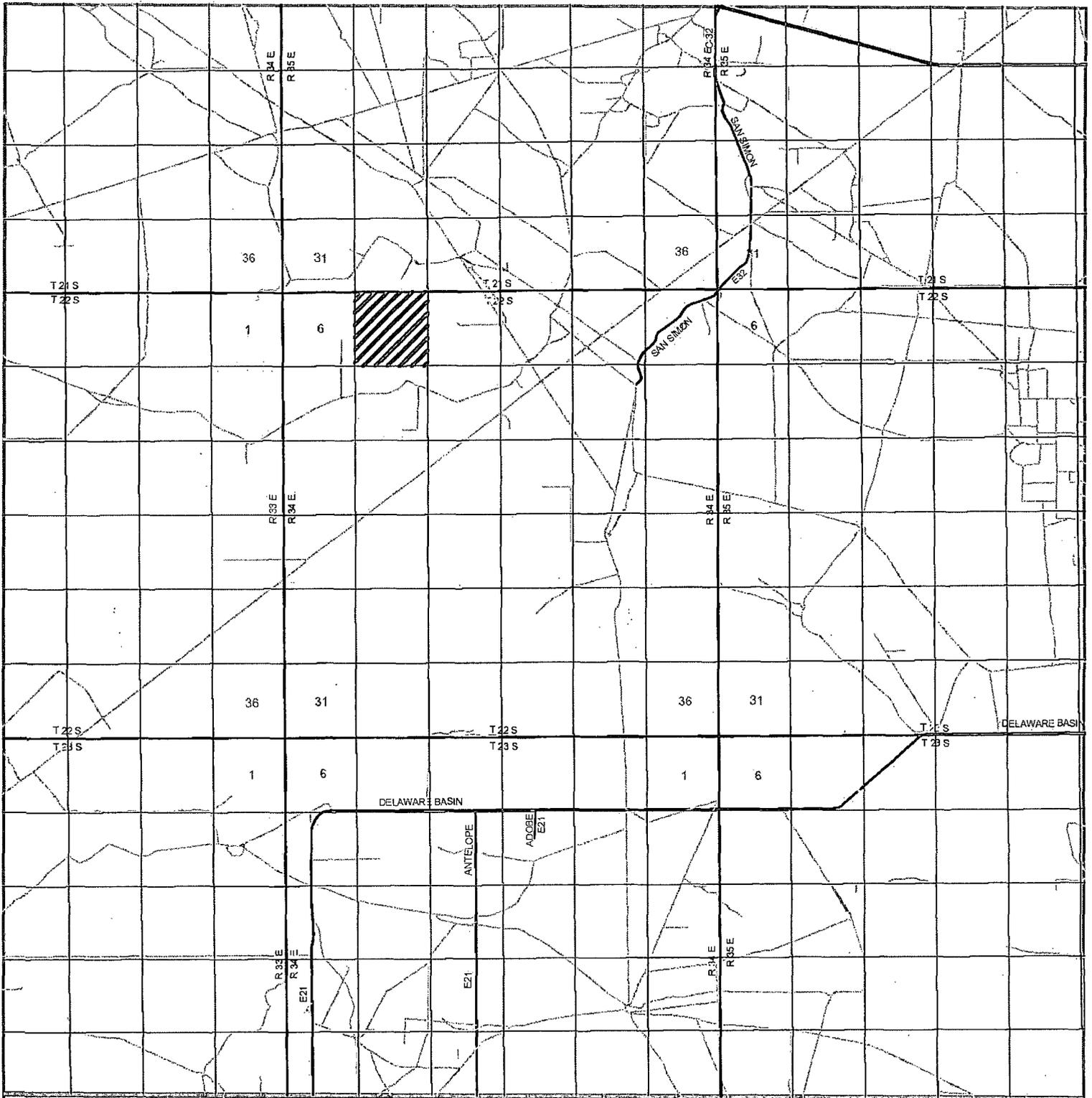
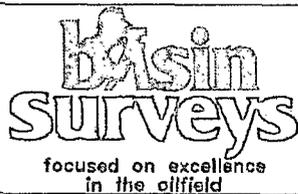


Exhibit A – One-Mile Radius Map  
 West Grama Ridge 5 Fed #5  
 Cimarex Energy Co.  
 5-22S-34E  
 SHL 330 FNL & 660 FWL  
 BHL 330 FSL & 660 FWL  
 Lea County, NM



WEST GRAMA RIDGE 5 FEDERAL #5  
 Located 330' FNL and 660' FWL  
 Section 5, Township 22 South, Range 34 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

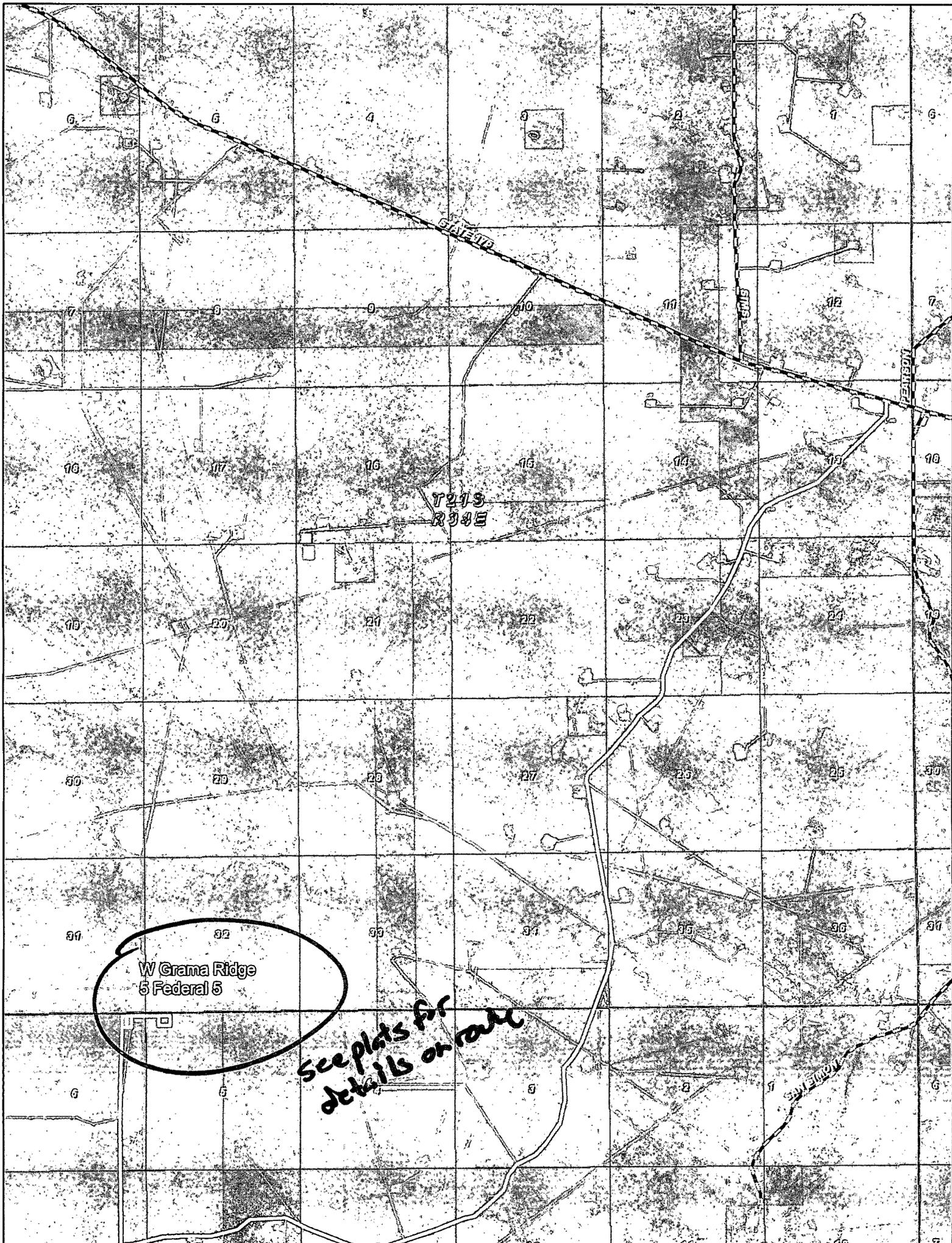
W.O. Number: DAJ 27564

Survey Date: 10-31-2012

Scale: 1" = 2 Miles

Date: 11-09-2012

CIMAREX  
 ENERGY CO.



W Grama Ridge  
5 Federal 5

See plots for  
details on road

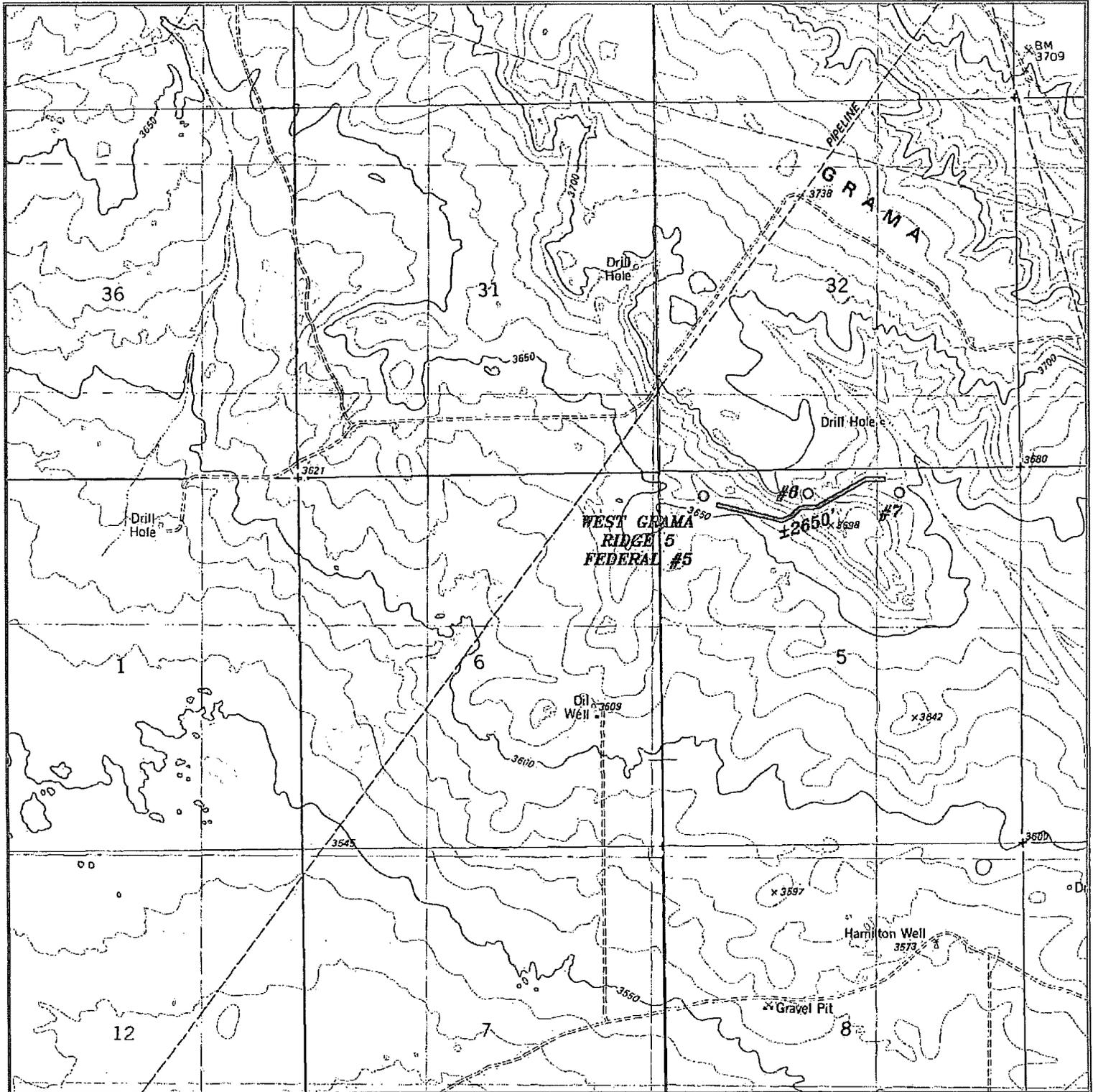
Y21S  
R34E

STATE RD

HENSBY

HENSBY

SUNBURY



**WEST GRAMA RIDGE 5 FEDERAL #5 ELECTRIC & FLOW LINE**  
 Section 5, Township 22 South, Range 34 East,  
 N.M.P.M., Lea County, New Mexico.

NOTE: ELECTRIC AND FLOW LINE TO FOLLOW LEASE ROAD

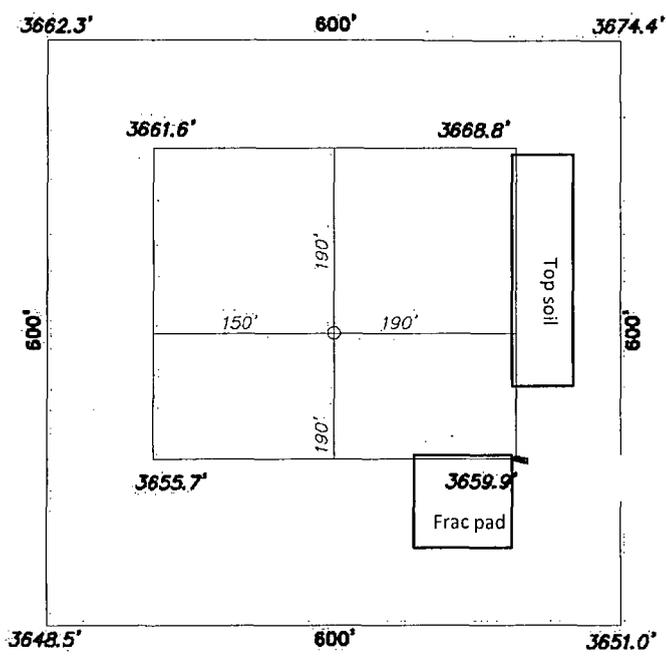
**basin**  
**SURVEYS**  
 focused on excellence  
 in the oilfield

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

W.O. Number:	DAJ 27564
Survey Date:	10-31-2012
Scale:	1" = 2000'
Date:	11-09-2012

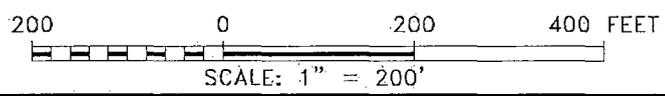
**CIMAREX**  
**ENERGY CO.**

**SECTION 5, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.**



**CIMAREX ENERGY CO.**  
WEST GRAMA RIDGE 5 FEDERAL #5  
ELEV. - 3659'

**SURFACE LOCATION**  
Lat - N 32°25'37.74"  
Long - W 103°29'54.22"  
NMSPCE - N 520134.32  
E 798949.68  
(NAD-83)



**Directions to Location:**

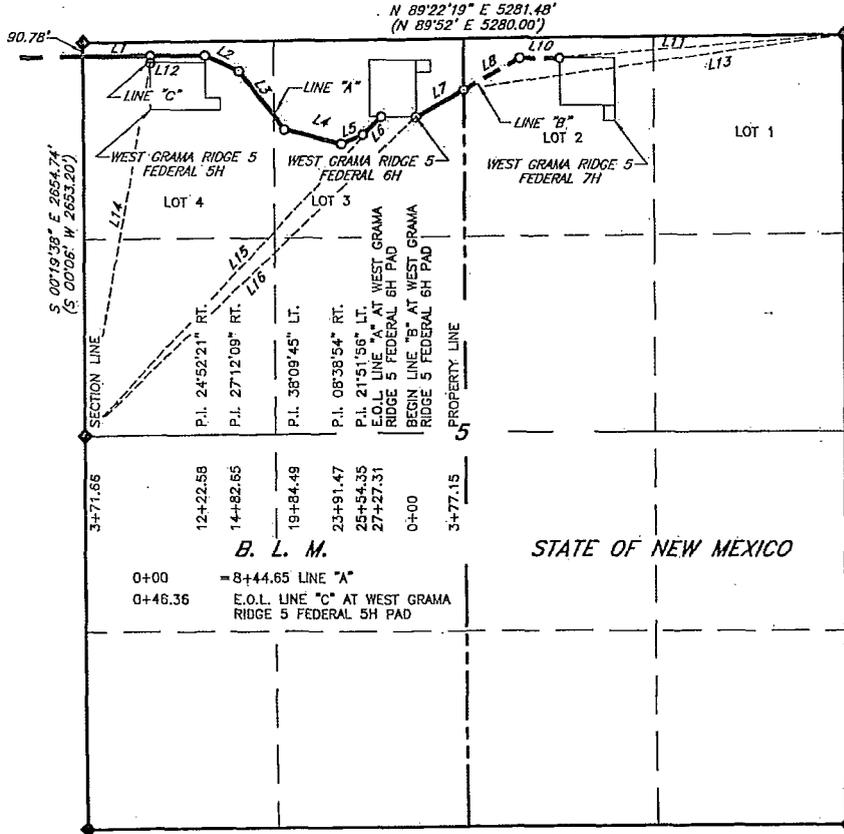
HEADING WEST ON HIGHWAY 176 IN BETWEEN SAN SIMON AND MILE MARKER 19 TURN SOUTH ON EXISTING LEASE ROAD, GO 9 MILES TO EXISTING NORTHBOUND LEASE ROAD CO 0.9 MILES TO PROPOSED ROAD FOR WEST GRAMA RIDGE 5 AND 6 WELLS.

<b>CIMAREX ENERGY CO.</b>	
REF: WEST GRAMA RIDGE 5 FEDERAL #5 / WELL PAD TOPO	
THE WEST GRAMA RIDGE 5 FEDERAL #5 LOCATED 330' FROM THE NORTH LINE AND 660' FROM THE WEST LINE OF SECTION 5, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.	
W.O. Number: 27564	Drawn By: <b>D. JONES</b>
Date: 11-09-2012	Disk: DAJ 27564
Survey Date: 10-31-2012	Sheet 1 of 1 Sheets

**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

# CIMAREX ENERGY COMPANY

Proposed Road Easement for the  
West Grama Ridge 5 Federal 5H, 6H, and 7H  
Section 5, Twp. 22 South, Rge. 34 East,  
N. M. P. M., Lea Co., New Mexico



LINE TABLE		
LINE	BEARING	LENGTH
L1	N 89°27'32" E	850.92'
L2	S 65°40'07" E	260.07'
L3	S 38°27'58" E	501.84'
L4	S 76°37'43" E	406.98'
L5	N 67°58'49" E	162.88'
L6	N 46°06'53" E	172.95'
L7	N 61°17'31" E	377.15'
L8	N 61°17'31" E	444.34'
L9	N 89°58'33" E	280.64'
L10	N 89°58'33" E	280.64'
L11	S 85°22'37" W	1975.07'
L12	S 00°00'10" E	46.36'
L13	S 81°57'38" W	2665.20'
L14	N 10°15'00" E	2562.90'
L15	N 43°37'03" E	2986.60'
L16	N 46°46'05" E	3151.58'

SCALE: 1" = 1000'  
0      500      1000

BEARINGS: NAD 83-NM EAST  
DISTANCES: GROUND HORIZ.

**LEGEND**

- ( ) RECORD DATA
- ◆ FOUND BRASS CAP "1913"

I, Larry Busby, a N. M. Professional Surveyor, hereby certify that this plat was prepared from an actual ground survey made under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Larry Busby      NM PS 11398



Firm No.: TX 10193838 NM 4655451

Copyright 2014 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.: LS140038		
DWG. NO.: 140038RD1		

Exhibit C-2



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 2/19/14
SURVEYED BY: GB/IE
DRAWN BY: JC
APPROVED BY: LWB
SHEET : 1 OF 4

# CIMAREX ENERGY COMPANY

## Proposed Road Easement for the West Grama Ridge 5 Federal 5H, 6H, and 7H Section 5, Twp. 22 South, Rge. 34 East, N. M. P. M., Lea Co., New Mexico

### DESCRIPTION

A strip of land 30 feet in width and 2,779.16 feet or 168.434 rods in length situated in Section 5, Township 22 South, Range 34 East, N. M. P. M., Lea County, New Mexico and being 15 feet left and 15 feet right of the following described survey of a centerline across B. L. M. land:

BEGINNING at Engr. Sta. 3+71.66, Line "A", a point on the West boundary line of the aforementioned Section 5 which lies S 00°19'38" E, 90.78 feet from a brass cap, stamped "1913", found for the Northwest corner of the aforementioned Section 5;

Thence N 89°27'32" E, 850.92 feet to Engr. Sta. 12+22.58, a P. I. of 24°52'21" right;

Thence S 65°40'07" E, 260.07 feet to Engr. Sta. 14+82.65, a P. I. of 27°12'09" right;

Thence S 38°27'58" E, 501.84 feet to Engr. Sta. 19+84.49, a P. I. of 38°09'45" left;

Thence S 76°37'43" E, 406.98 feet to Engr. Sta. 23+91.47, a P. I. of 08°38'54" right;

Thence N 67°58'49" E, 162.88 feet to Engr. Sta. 25+54.35, a P. I. of 21°51'56" left;

Thence N 46°06'53" E, 377.15 feet to Engr. Sta. 27+27.31, the end of the survey and a point which lies N 43°37'03" E, 2,986.80 feet from a brass cap, stamped "1913", found for the West quarter corner of the above-mentioned Section 5;

Thence BEGINNING AGAIN at Engr. Sta. 0+00, Line "B", a point which lies N 46°46'05" E, 3,151.58 feet from a brass cap, stamped "1913", found for the West quarter corner of the above-mentioned Section 5;

Thence N 61°17'31" E, 377.15 feet to Engr. Sta. 3+77.15 a point on the East boundary line of the West 1/2 of the aforementioned Section 5 which lies S 81°57'38" W, 2,665.20 feet from a brass cap, stamped "1913", found for the Northeast corner of said Section 5;

Thence BEGINNING AGAIN at Engr. Sta. 0+00 (= 8+44.65 Line "A") for Line "C", a point which lies S 79°39'03" E, 479.06 feet from a brass cap, stamped "1913", found for the Northwest corner of the aforementioned Section 5;

Thence S 00°00'10" E, 46.36 feet to Engr. Sta. 0+46.36, the end of the survey and a point which lies N 10°15'00" E, 2,562.90 feet from a brass cap, stamped "1913", found for the West quarter corner of the aforementioned Section 5.

Said strip of land contains 1.914 acres, more or less, and is allocated by forties as follows:

Lot 4            1.057 Ac.            Lot 3            0.857 Ac.



SCALE: 1" = 1000'  
0      500      1000

BEARINGS: NAD 83-NM EAST  
DISTANCES: GROUND HORIZ.

**LEGEND**

- ( ) RECORD DATA
- ◆ FOUND BRASS CAP "1913"

I, Larry Busby, a N. M. Professional Surveyor, hereby certify that this plat was prepared from an actual ground survey made under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

  
Larry Busby            NM PS 1139B



Firm No.: TX 10193838 NM 4655451

Copyright 2014 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.: LS140038		
DWG. NO.: 140038RD2		

Exhibit C-2



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 2/19/14
SURVEYED BY: GB/IE
DRAWN BY: JC
APPROVED BY: LWB
SHEET: 2 OF 4