

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone (575) 393-6181 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone (575) 748-1283 Fax: (575) 748-0720

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone (505) 478-3480 Fax: (505) 478-3482

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-	Pool Code 28432	Pool Name GRAMA RIDGE; BS, WEST
Property Code 713793	Property Name WEST GRAMA RIDGE 5 FEDERAL	Well Number 6
GRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3687'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 3	5	22 S	34 E		330	NORTH	2180	WEST	LEA

**Bottom Hole Location if Different From Surface**

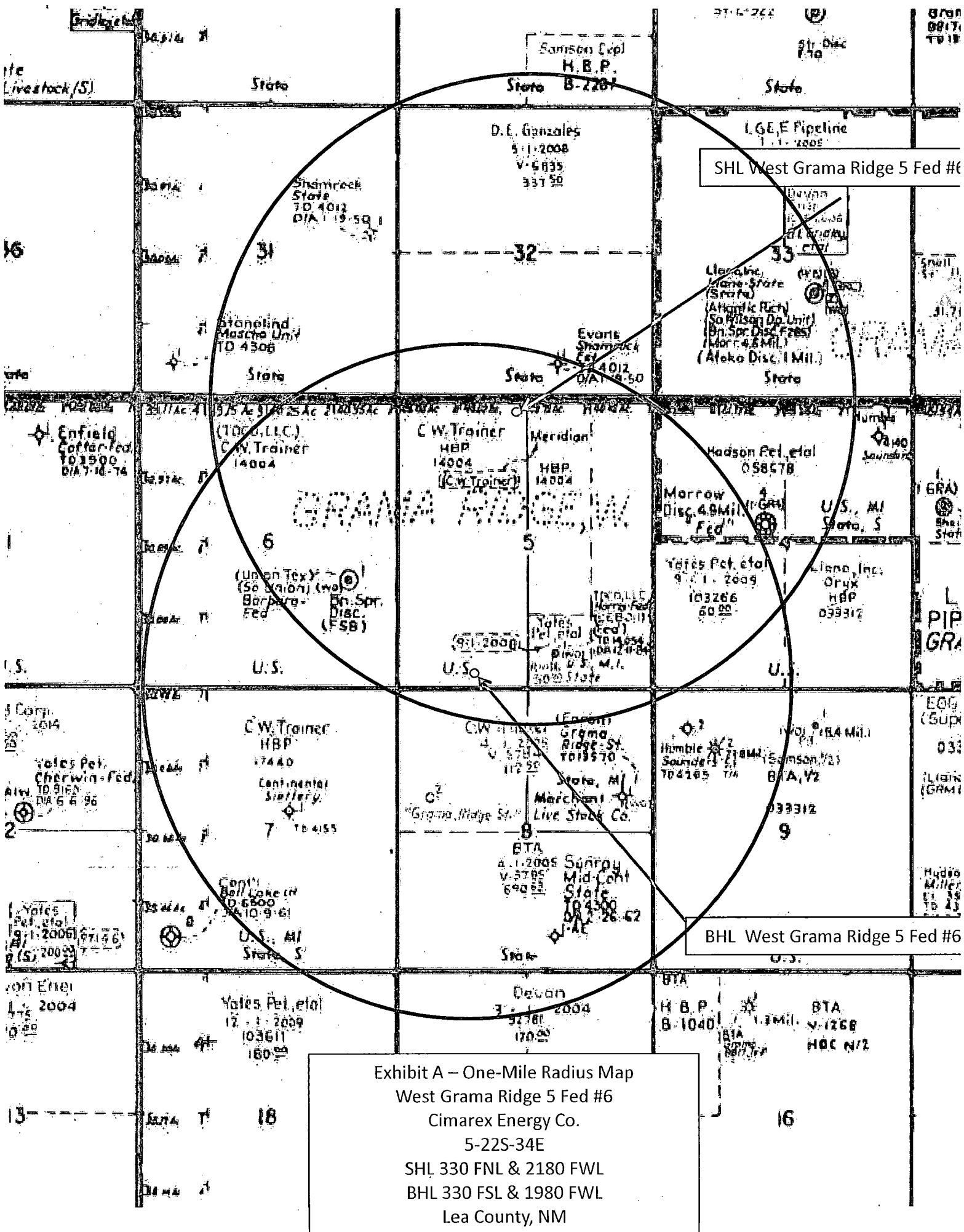
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	5	22 S	34 E		330	SOUTH	1980	WEST	LEA

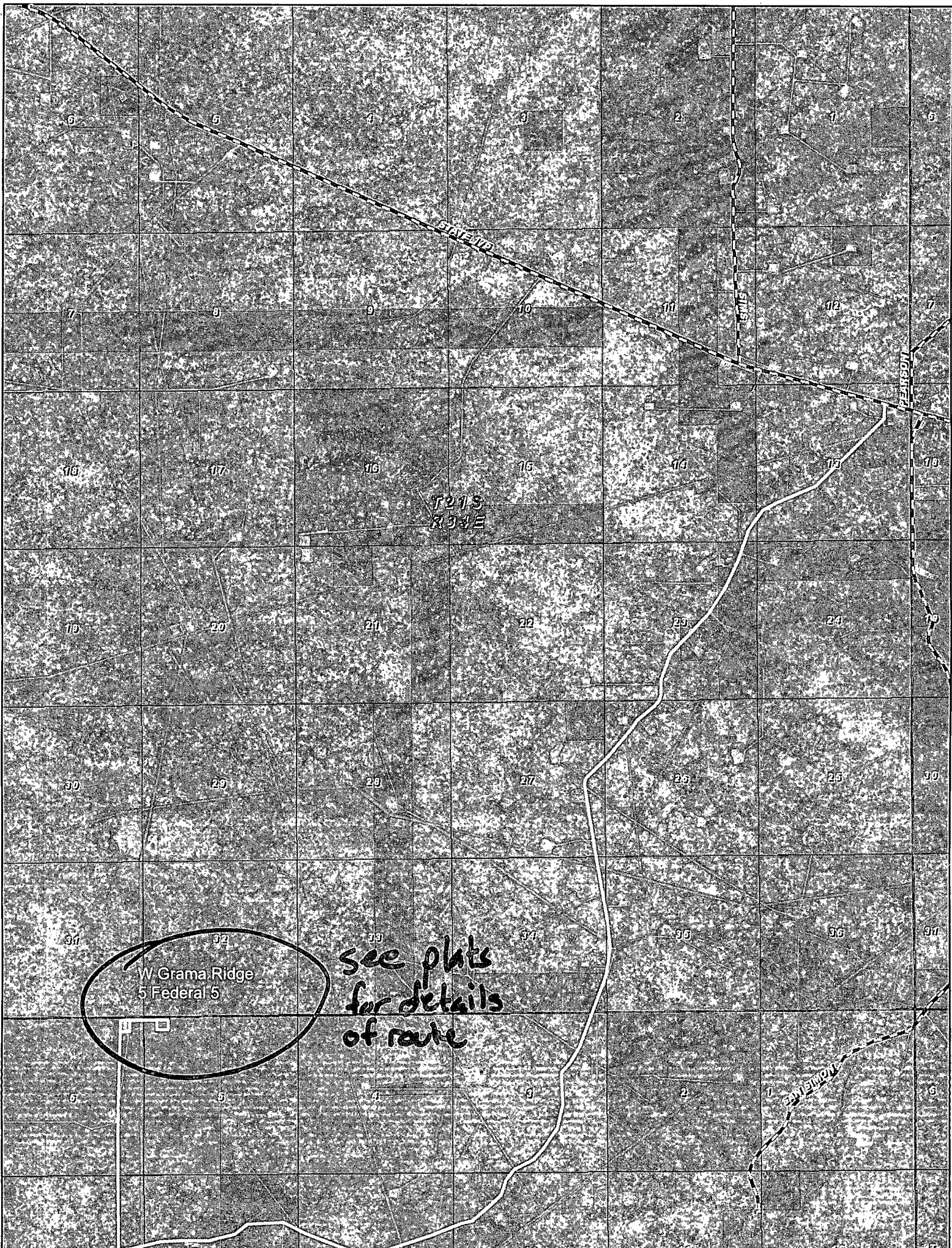
Dedicated Acres 160.6 -	Joint or Infill Indefinite	Consolidation Code Bureau 12/13/13 CRW	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>N 520457.13 E 798287.78</p> <p>2180'</p> <p>3694.9'</p> <p>3692.3'</p> <p>330'</p> <p>S.L.</p> <p>3675.1'</p> <p>3689.2'</p> <p>LOT 4</p> <p>C</p> <p>LOT 3</p> <p>LOT 2</p> <p>LOT 1</p> <p>N 517802.60 E 798303.48</p> <p>464.9'</p> <p>1980'</p> <p>N 515161.74 E 798319.10</p> <p>330'</p> <p>B.H.</p>	<p>N 520485.90 E 800927.78</p> <p><b>SURFACE LOCATION</b> Lat - N 32°25'37.79" Long - W 103°29'36.49" NMSPCE- N 520150.90 E 800469.19 (NAD-83)</p>	<p>N 520514.87 E 803568.62</p> <p>N 517836.30 E 803576.76</p> <p>N 515180.49 E 800953.09</p> <p>N 515198.36 E 803586.45</p> <p><b>PROPOSED BOTTOM HOLE LOCATION</b> Lat - N 32°24'51.84" Long - W 103°29'38.93" NMSPCE- N 515505.76 E 800296.73 (NAD-83)</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> 11/25/2013 Signature Date Printed Name hknauls@cimarex.com Email Address</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>Date Surveyed Signature &amp; Seal of Professional Surveyor</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>
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OCT 15 2014





STATE TP

S115

PEARSON

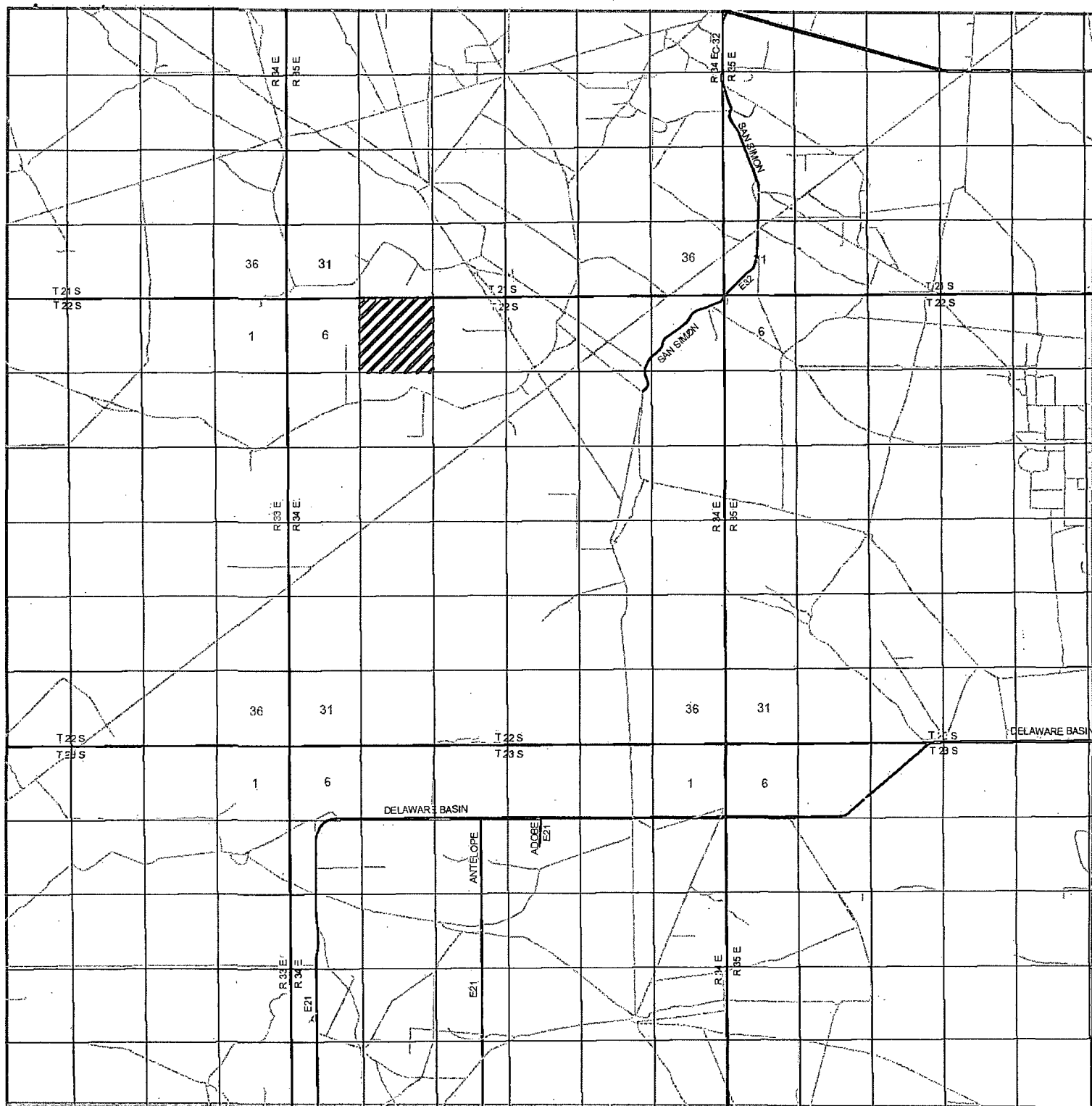
T21S  
R34E

W Grama Ridge  
5 Federal 5

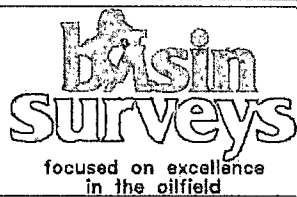
see plats  
for details  
of route

SW 31/4





**WEST GRAMA RIDGE 5 FEDERAL #6**  
 Located 330' FNL and 2180' 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  
 basinsurveys.com

W.O. Number: DAJ 27565

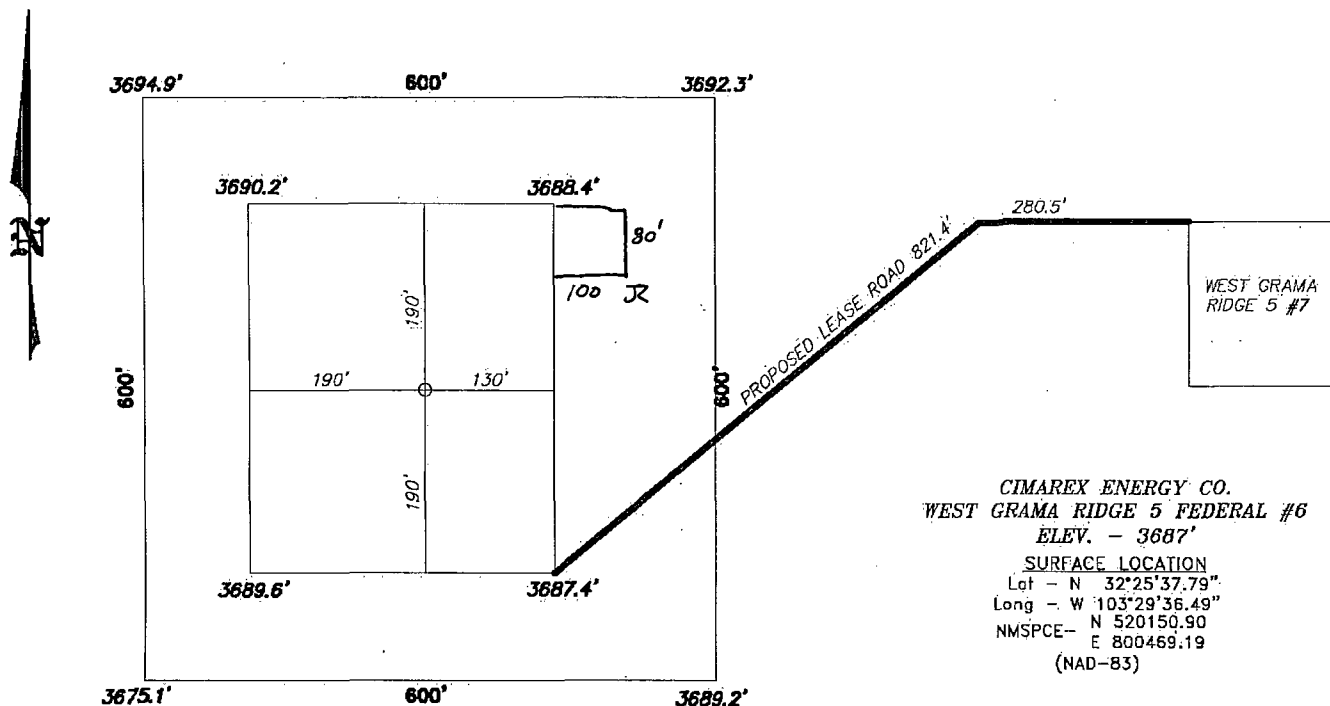
Survey Date: 10-31-2012

Scale: 1" = 2 Miles

Date: 11-09-2012

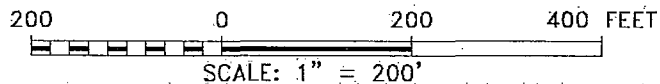
**CIMAREX  
 ENERGY CO.**

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



**Directions to Location:**

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



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

W.O. Number: 27565 Drawn By: **D. JONES**

Date: 11-09-2012 Disk: DAJ 27565

**CIMAREX ENERGY CO.**

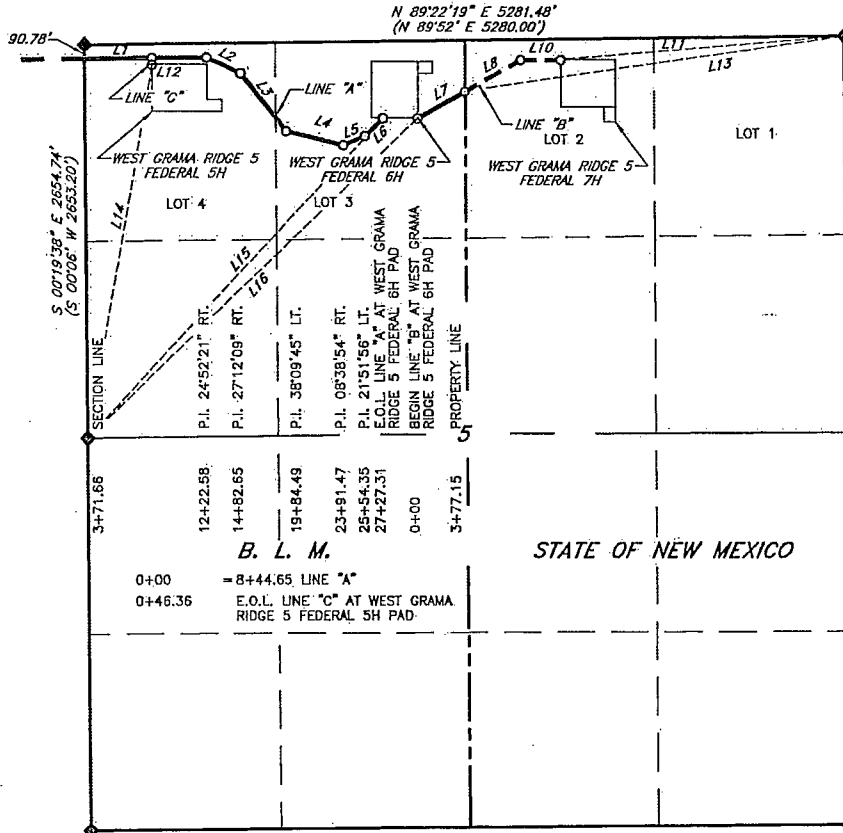
REF: WEST GRAMA RIDGE 5 FEDERAL #6 / WELL PAD TOPO

THE WEST GRAMA RIDGE 5 FEDERAL #6 LOCATED 330'  
 FROM THE NORTH LINE AND 2180' FROM THE WEST LINE OF  
 SECTION 5, TOWNSHIP 22 SOUTH, RANGE 34 EAST,  
 N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 10-31-2012 Sheet 1 of 1 Sheets

# 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	2886.80
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 465451

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

Exhibit C-2

RRC

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;

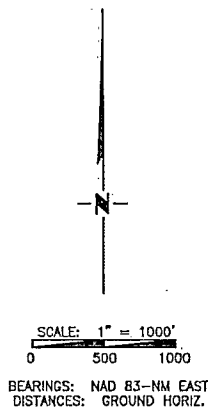
Thence N 61°17'31" E, 377.15 feet to Engr. Sta. 3+77.15 a point on the East boundary line of the West 1/2 of the aforementioned Section 5 which lies S 81°57'38" W, 2,665.20 feet from a brass cap, stamped "1913", found for the Northeast corner of said Section 5;

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.



### 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

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

Exhibit C-2

**RRC**

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

SCALE: 1" = 1000'

DATE: 2/19/14

SURVEYED BY: GB/IE

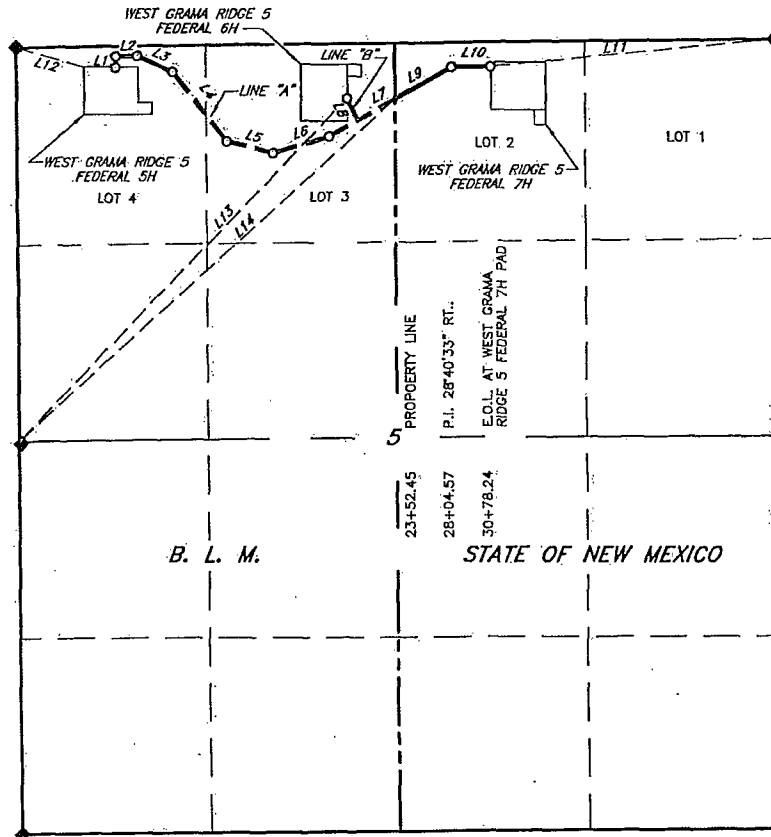
DRAWN BY: JC

APPROVED BY: LWB

SHEET : 2 OF 4

# CIMAREX ENERGY COMPANY

Proposed Pipeline 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 01°45'01" E.	78.12'
L2	N 89°26'42" E.	152.73'
L3	S 66°11'08" E.	266.47'
L4	S 38°58'51" E.	599.75'
L5	S 76°39'25" E.	333.23'
L6	N 74°19'51" E.	406.19'
L7	N 61°17'27" E.	518.95'
L8	N 28°42'32" W.	163.92'
L9	N 61°17'27" E.	452.12'
L10	N 89°58'00" E.	273.67'
L11	S 84°34'57" W.	1977.49'
L12	N 79°12'22" W.	708.87'
L13	N 44°46'32" E.	3259.90'
L14	N 48°41'36" E.	3497.31'

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

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NO.	REVISION	DATE
JOB NO.:	LS140038	
DWG. NO.:	140038PL3	

Exhibit G

RRC

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: 3 OF 4



# CIMAREX ENERGY COMPANY

## Proposed Pipeline 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 725.79 feet or 43.987 rods in length situated in Section 5, Township 22 South, Range 34 East, N. M. P. M., Lea County, New Mexico, being 15 feet left and 15 feet right of the following survey of a centerline across State of New Mexico land:

BEGINNING at Engr. Sta. 23+52.45, Line "A", a point on the West boundary line of the East 1/2 of the above-mentioned Section 5 which lies N 48°41'36" E, 3,497.31 feet from a brass cap, stamped "1913", found for the West quarter corner of said Section 5;

Thence N 61°17'27" E, 452.12 feet to Engr. Sta. 28+04.57, a P. I. of 28°40'33" right;

Thence N 89°58'00" E, 273.67 feet to Engr. Sta. 30+78.24, the end of the survey and a point which lies S 84°34'57" W, 1,977.49 feet from a brass cap, stamped "1913", found for the Northeast corner of said Section 5;

Said strip of land contains 0.500 acres, more or less, all within Lot 2 of the aforementioned Section 5.



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

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NO.	REVISION	DATE
JOB NO.:	LS140038	
DWG. NO.:	140038PL4	

Exhibit G

RRC

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 : 4 OF 4