

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-6161 Fax: (505) 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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

HOBBS OGD

Form C-102
Revised August 1, 2011

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

RECEIVED
OCT 03 2014

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025-42704	Pool Code 28432	Pool Name GRAMA RIDGE; PLS, WEST
Property Code 313931	Property Name WEST GRAMA RIDGE 7 FEDERAL	Well Number 2 H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3510

Surface Location

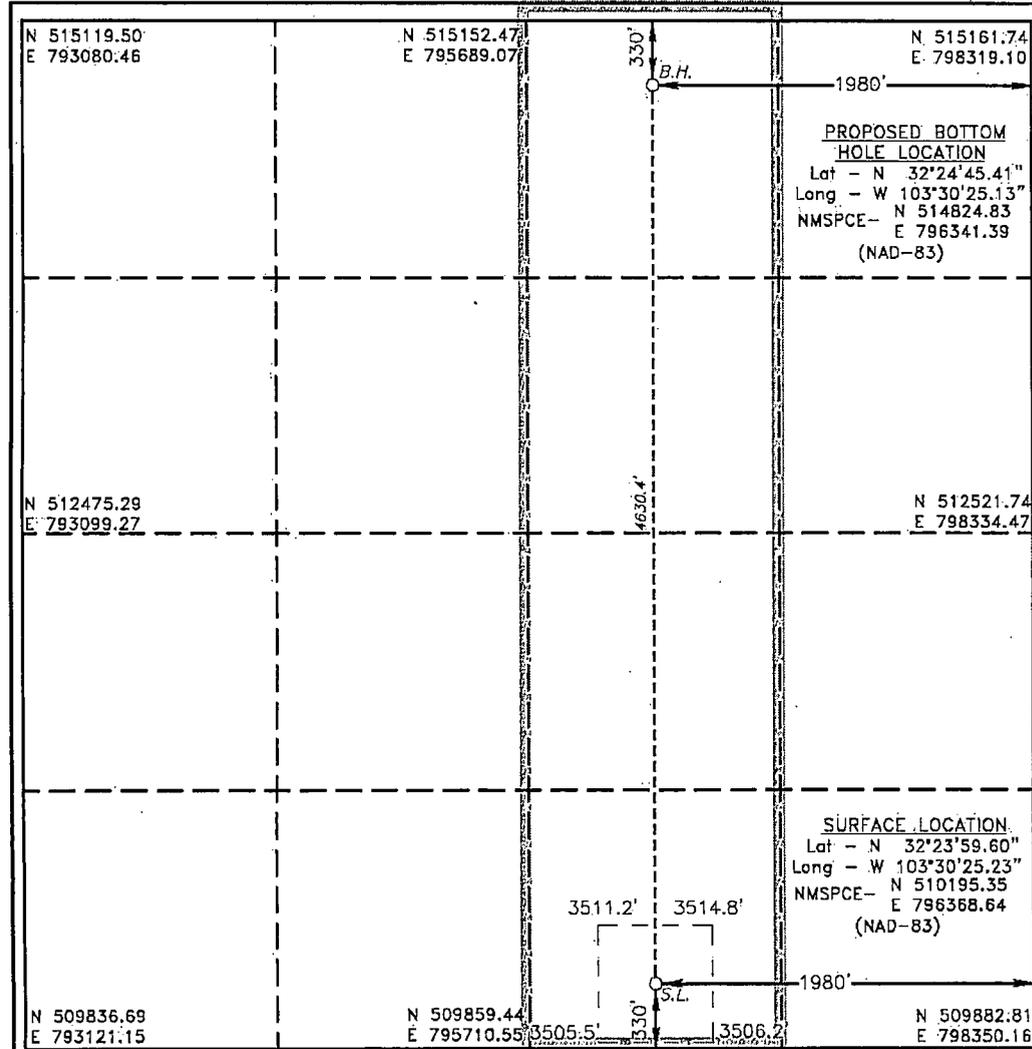
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	7	22 S	34 E		330	SOUTH	1980	EAST	LEA

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
B	7	22 S	34 E		330	NORTH	1980	EAST	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



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: *Hope Knauls* Date: 10/17/2013

Printed Name: Hope Knauls
 Email Address: hknauls@cimarex.com

SURVEYOR CERTIFICATION

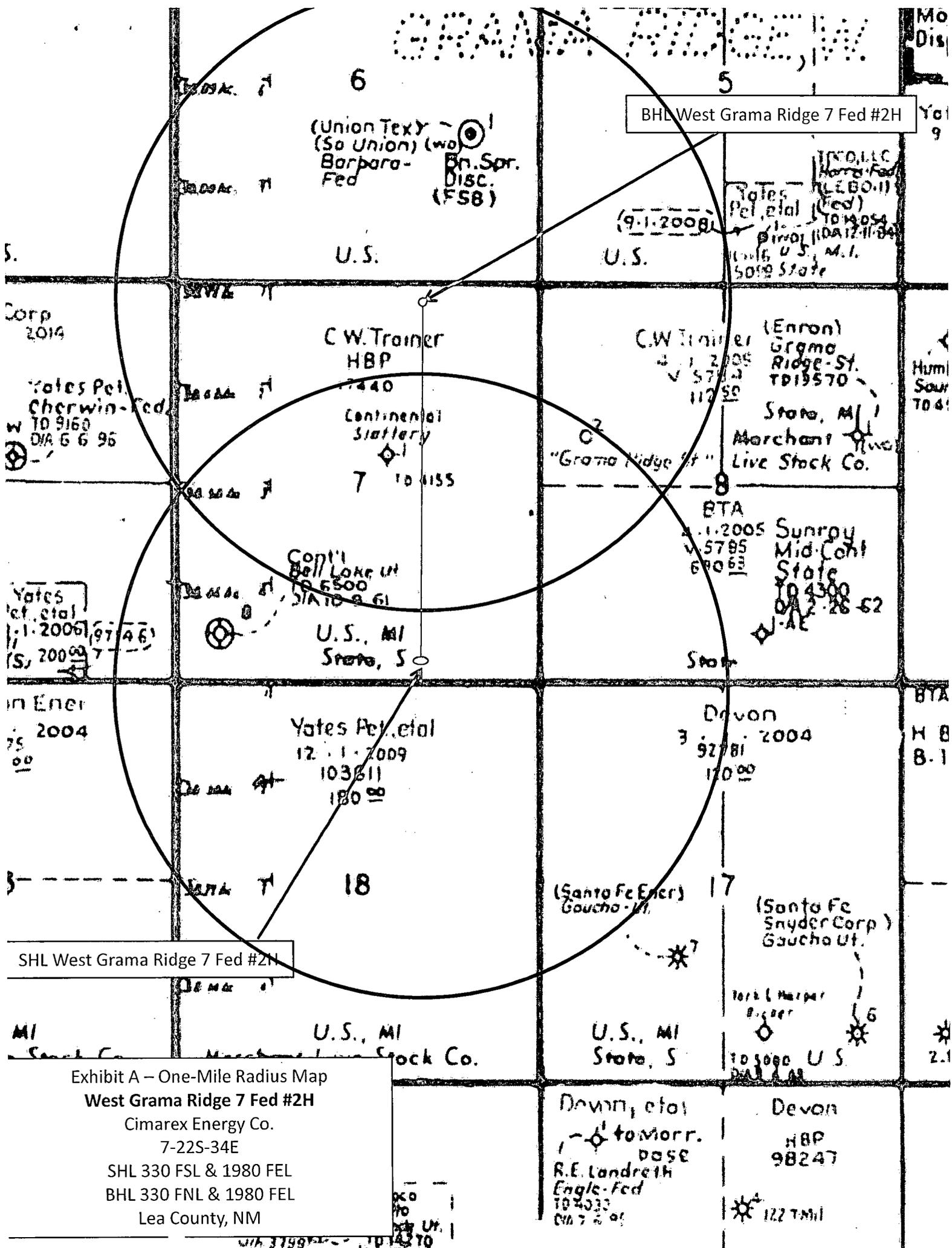
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Surveyed: OCTOBER 30 2014
 Signature: *Gary L. Jones*
 Seal of Professional Surveyor

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

DEC 04 2014



BHL West Grama Ridge 7 Fed #2H

Yates Pet. et al
1-1-2006 (97-46)
(S) 2000

SHL West Grama Ridge 7 Fed #2H

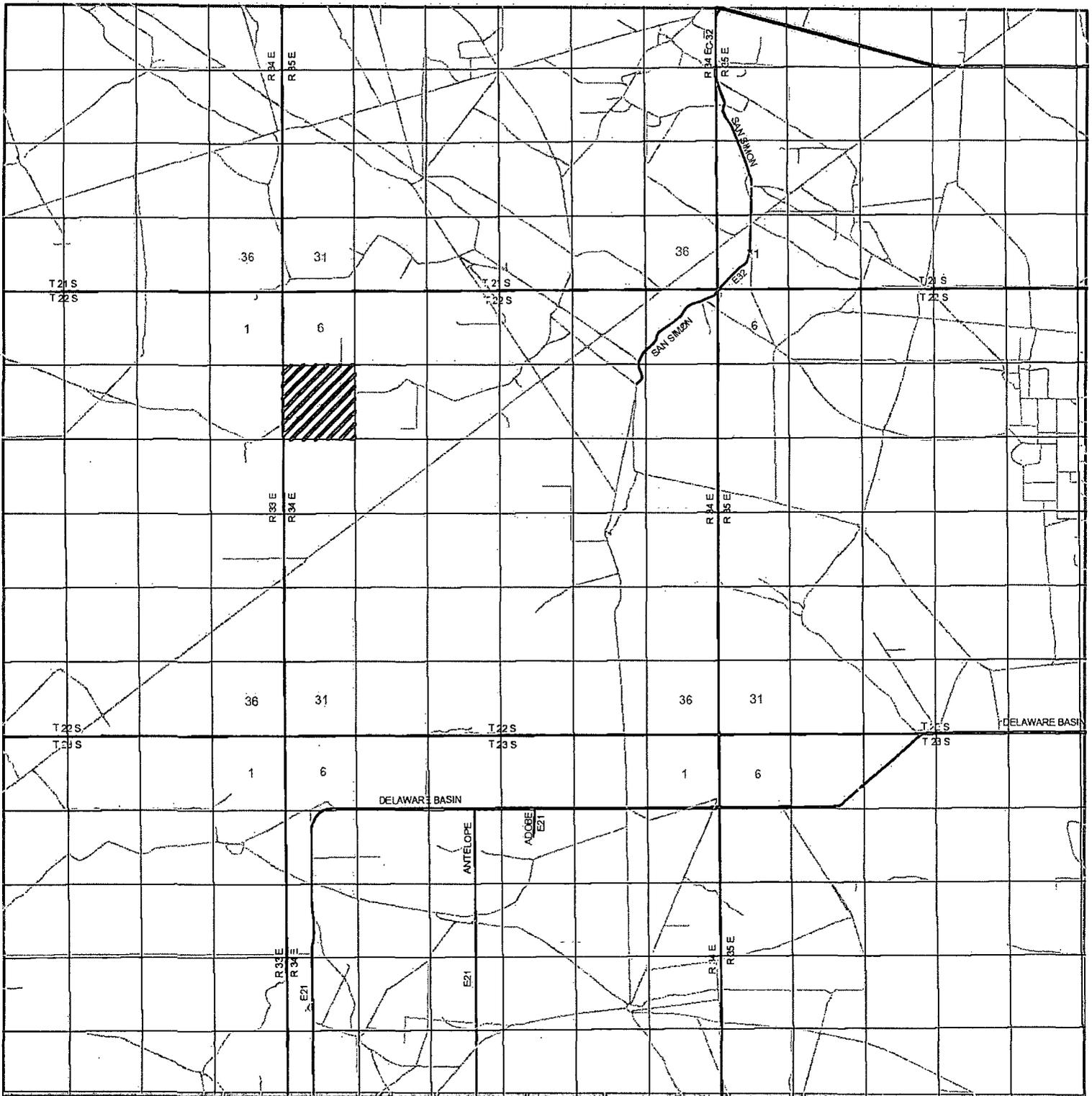
Exhibit A – One-Mile Radius Map
West Grama Ridge 7 Fed #2H
Cimarex Energy Co.
7-22S-34E
SHL 330 FSL & 1980 FEL
BHL 330 FNL & 1980 FEL
Lea County, NM

U.S. MI State, S

Down, et al
tomorr. base
R.E. Landreth
Engle-Fed
10-20-03
0117-09

Devon
HBP
98247
122 T.Mi

Mo Dis
Yal 9
Humi Sour 704
BTA
H B
B-1
2.1



WEST GRAMA RIDGE 7 FEDERAL #2H
 Located 330' FSL and 1980' FEL
 Section 7, Township 22 South, Range 34 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
 basin-surveys.com

W.O. Number:	DAJ 27572
Survey Date:	11-01-2012
Scale:	1" = 2 Miles
Date:	11-12-2012

CIMAREX ENERGY CO.

Public Access Route
West Grama Ridge 7 Fed #2H
Cimarex Energy Co.
7-22S-34E
SHL 330 FSL & 1980 FEL
BHL 330 FNL & 1980 FEL
Lea County, NM

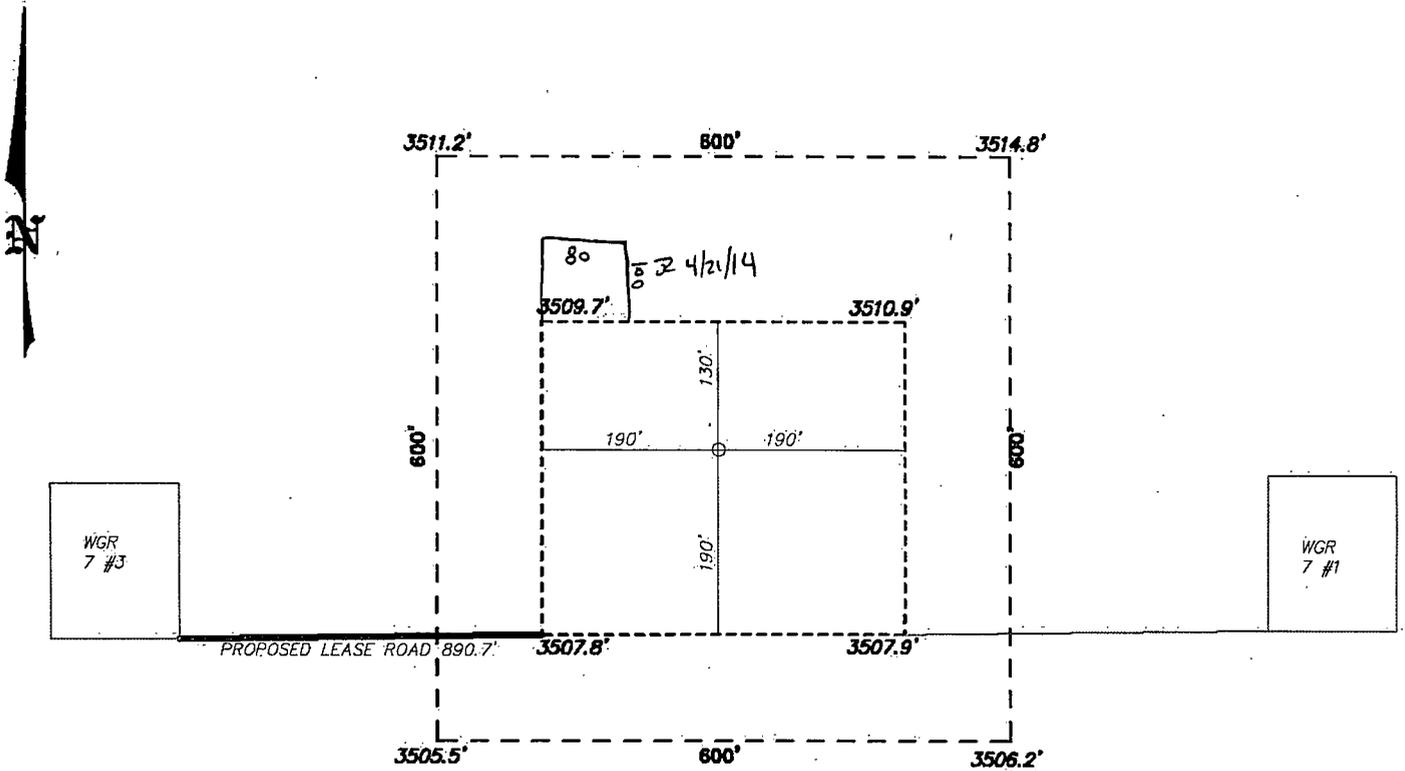
Directions to Location:

HEADING WEST ON HIGHWAY 176 IN BETWEEN SAN SIMON AND MILE MARKER 19 TURN SOUTH ON EXISTING LEASE ROAD, GO 19 MILES TURN SOUTH GO .1 MILE TO PROPOSED ROAD FOR ALL WEST GRAMA RIDGE WELLS.

WEST GRAMA RIDGE
7 FEDERAL #2H

West Grama Ridge 7 Federal

SECTION 7, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



CIMAREX ENERGY CO.
WEST GRAMA RIDGE 7 FEDERAL #2
ELEV. - 3510'

SURFACE LOCATION
Lat - N 32°23'59.60"
Long - W 103°30'25.23"
NMSPC - N 510195.35
E 796368.64
(NAD-83)



SCALE: 1" = 200'

Directions to Location:

HEADING WEST ON HIGHWAY 176 IN BETWEEN SAN SIMON AND MILE MARKER 19 TURN SOUTH ON EXISTING LEASE ROAD, GO 10 MILES TURN SOUTH GO .1 MILE TO PROPOSED ROAD FOR ALL WEST GAMMA RIDGE WELLS.

CIMAREX ENERGY CO.

REF: WEST GRAMA RIDGE 7 FEDERAL #2 / WELL PAD TOPO

THE WEST GRAMA RIDGE 7 FEDERAL #2 LOCATED 330'
FROM THE SOUTH LINE AND 1980' FROM THE EAST LINE OF
SECTION 7, TOWNSHIP 22 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Basin Surveys P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 27572 Drawn By: D. JONES

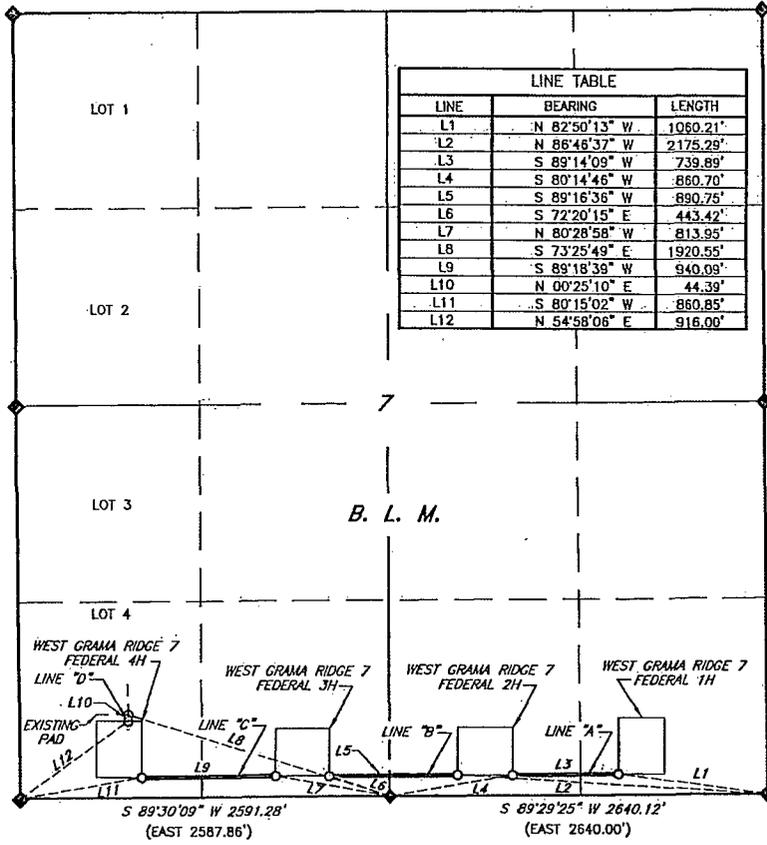
Date: 11-12-2012 Disk: DAJ 27572

Survey Date: 11-01-2012

Sheet 1 of 1 Sheets

CIMAREX ENERGY COMPANY

Proposed Road Easement for the
West Grama Ridge 7 Federal 1H, 2H, 3H AND 4H
Section 7, Twp. 22 South, Rge. 34 East,
N. M. P. M., Lea Co., New Mexico



LINE TABLE		
LINE	BEARING	LENGTH
L1	N 82°50'13" W	1060.21'
L2	N 86°46'37" W	2175.29'
L3	S 89°14'09" W	739.89'
L4	S 80°14'46" W	860.70'
L5	S 89°16'36" W	890.75'
L6	S 72°20'15" E	443.42'
L7	N 80°28'58" W	813.95'
L8	S 73°25'49" E	1920.55'
L9	S 89°18'39" W	940.09'
L10	N 00°25'10" E	44.39'
L11	S 80°15'02" W	860.85'
L12	N 54°58'06" E	916.00'

S 89°30'09" W 2591.28'
(EAST 2587.86')

S 89°29'25" W 2640.12'
(EAST 2640.00')

E.O.L. AT WEST GRAMA RIDGE 7 FEDERAL 4H PAD 0+44.39

BEGIN LINE "D" AT WEST GRAMA RIDGE 7 FEDERAL 4H PAD 0+00

E.O.L. AT WEST GRAMA RIDGE 7 FEDERAL 4H PAD 9+40.09

BEGIN LINE "C" AT WEST GRAMA RIDGE 7 FEDERAL 3H PAD 0+00

E.O.L. AT WEST GRAMA RIDGE 7 FEDERAL 3H PAD 8+90.75

BEGIN LINE "B" AT WEST GRAMA RIDGE 7 FEDERAL 2H PAD 0+00

E.O.L. AT WEST GRAMA RIDGE 7 FEDERAL 2H PAD 7+39.89

BEGIN LINE "A" AT WEST GRAMA RIDGE 7 FEDERAL 1H PAD 0+00

SCALE: 1" = 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.: LS140031		
DWG. NO.: 140031RD1		

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 2

CIMAREX ENERGY COMPANY

Proposed Road Easement for the West Grama Ridge 7 Federal 1H, 2H, 3H AND 4H Section 7, Twp. 22 South, Rge. 34 East, N. M. P. M., Lea Co., New Mexico

DESCRIPTION

A strip of land 30 feet in width and 2,615.12 feet or 158.492 rods in length, situated within Section 7, 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 State of New Mexico land:

Beginning at Engr. Sta. 0+00 for Line "A", a point which lies N 82°50'13" W, 1,060.21 feet from a brass cap, stamped "1913", found for the Southeast corner of the aforementioned Section 7;

Thence S 89°14'09" W, 729.89 feet to Engr. Sta. 7+29.89, the end of the survey and a point from which a brass cap, stamped "1913", found for the South quarter corner of the aforementioned Section 7 bears S 80°14'46" W, 860.70 feet;

Thence BEGINNING AGAIN at Engr. Sta. 0+00 for Line "B", a point which lies N 86°46'37" W, 2,175.29 feet from a brass cap, stamped "1913", found for the Southeast corner of the aforementioned Section 7;

Thence S 89°16'36" W, 890.75 feet to Engr. Sta. 8+90.75, the end of the survey and a point from which a brass cap, stamped "1913", found for the South quarter corner of the aforementioned Section 7 bears S 72°20'15" E, 443.42 feet;

Thence BEGINNING AGAIN at Engr. Sta. 0+00 for Line "C", a point which lies N 80°28'58" W, 813.95 feet from a brass cap, stamped "1913", found for the South quarter corner of the aforementioned Section 7;

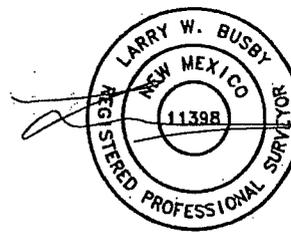
Thence S 89°18'39" W, 940.09 feet to Engr. Sta. 9+40.09, the end of the survey and a point from which a brass cap, stamped "1913", found for the Southwest corner of the aforementioned Section 7 bears S 80°15'02" W, 860.85 feet;

Thence BEGINNING AGAIN at Engr. Sta. 0+00 for Line "D", a point which lies N 54°58'06" E, 916.00 feet from which a brass cap, stamped "1913", found for the Southwest corner of the aforementioned Section 7;

Thence N 00°25'10" E, 44.39 feet to Engr. Sta. 0+44.39, the end of the survey and a point from which a brass cap, stamped "1913", found for the South quarter corner of the aforementioned Section 7 bears S 73°25'49" E, 1,920.55 feet.

Said strip of land containing 1.801 acres, more or less, and is allocated by forties as follow:

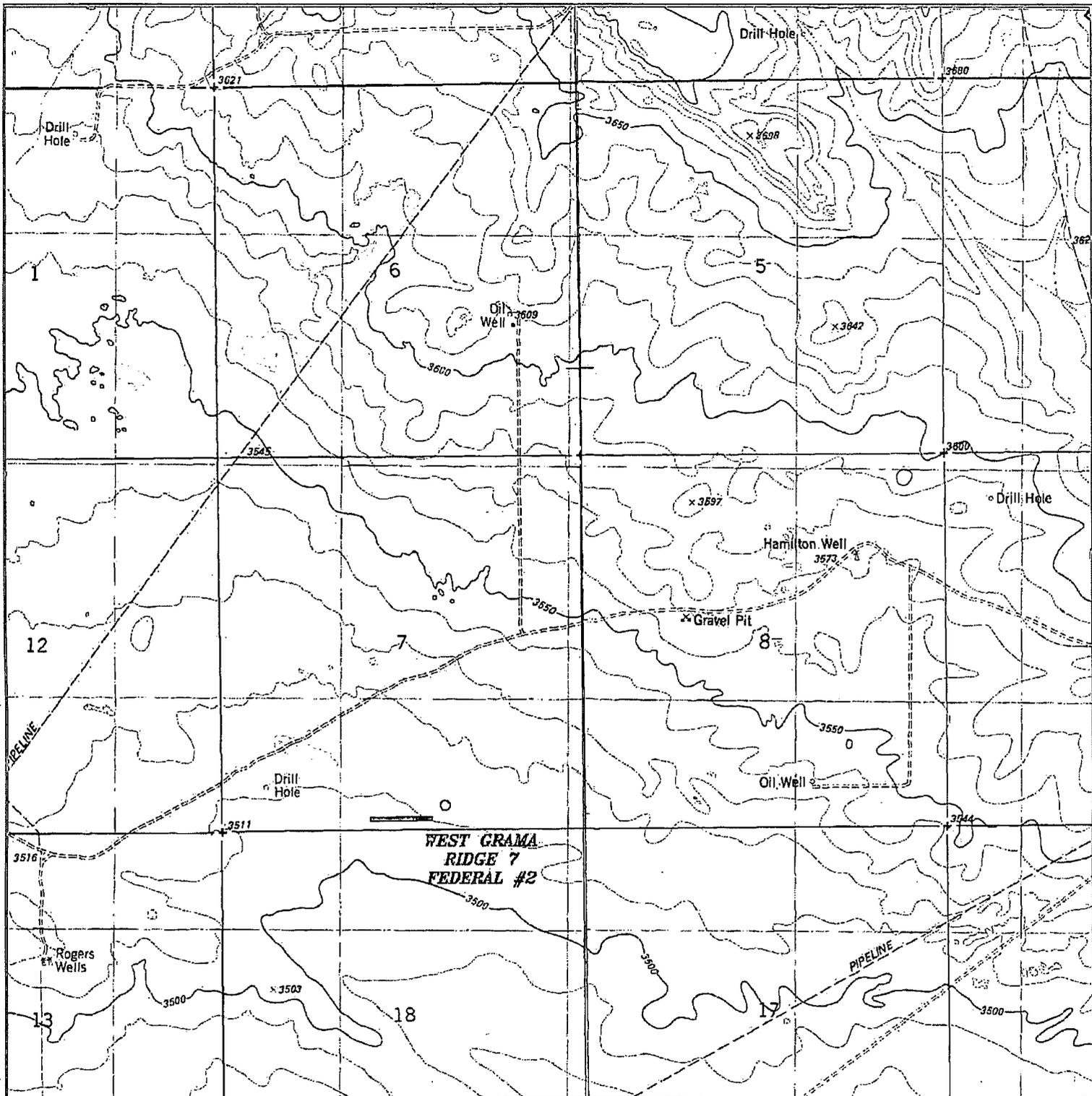
SE 1/4 SE 1/4	0.185 Ac.	SW 1/4 SE 1/4	0.647 Ac.
SE 1/4 SW 1/4	0.649 Ac.	Lot 4	0.320 Ac.



Firm No.: TX 10193838 NM 4655451

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Exhibit C-2				RRC			
308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200				SCALE: 1" = 1000'			
JOB NO.: LS140031				DATE: 2/19/14			
DWG. NO.: 140031RD2				SURVEYED BY: GB/IE			
				DRAWN BY: JC			
				APPROVED BY: LWB			
				SHEET : 2 OF 2			



**WEST GRAMA
RIDGE 7
FEDERAL #2**

WEST GRAMA RIDGE 7 FEDERAL #2
 Located 330' FSL and 1980' FEL
 Section 7, 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

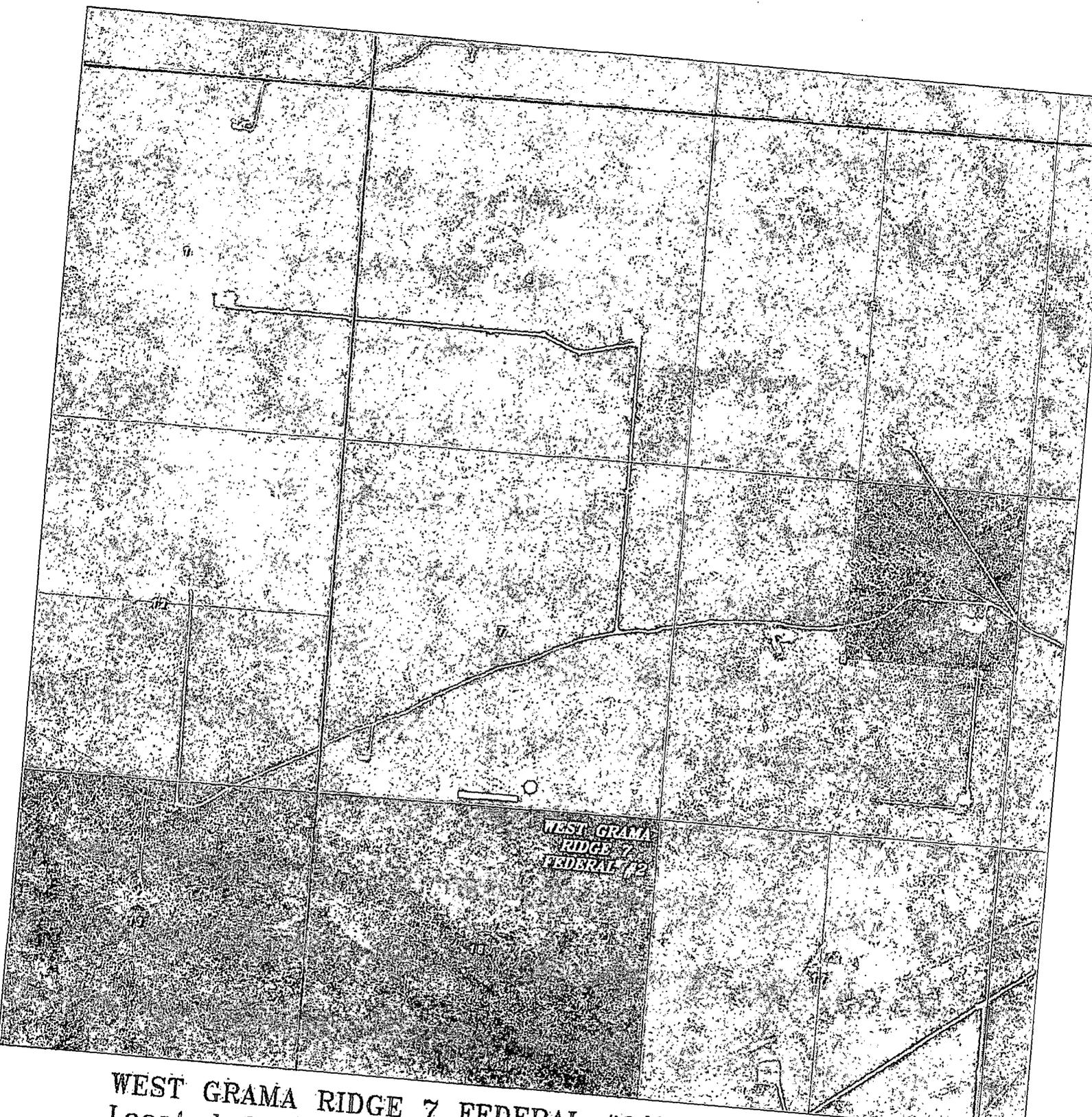
W.O. Number: DAJ 27572

Survey Date: 11-01-2012

Scale: 1" = 2000'

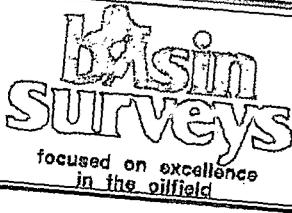
Date: 11-12-2012

**CIMAREX
ENERGY CO.**



WEST GRAMA
RIDGE 7
FEDERAL #2

WEST GRAMA RIDGE 7 FEDERAL #2 H
Located 330' FSL and 1980' FEL
Section 7, Township 22 South, Range 34 East,
N.M.P.M., Lea County, New Mexico.



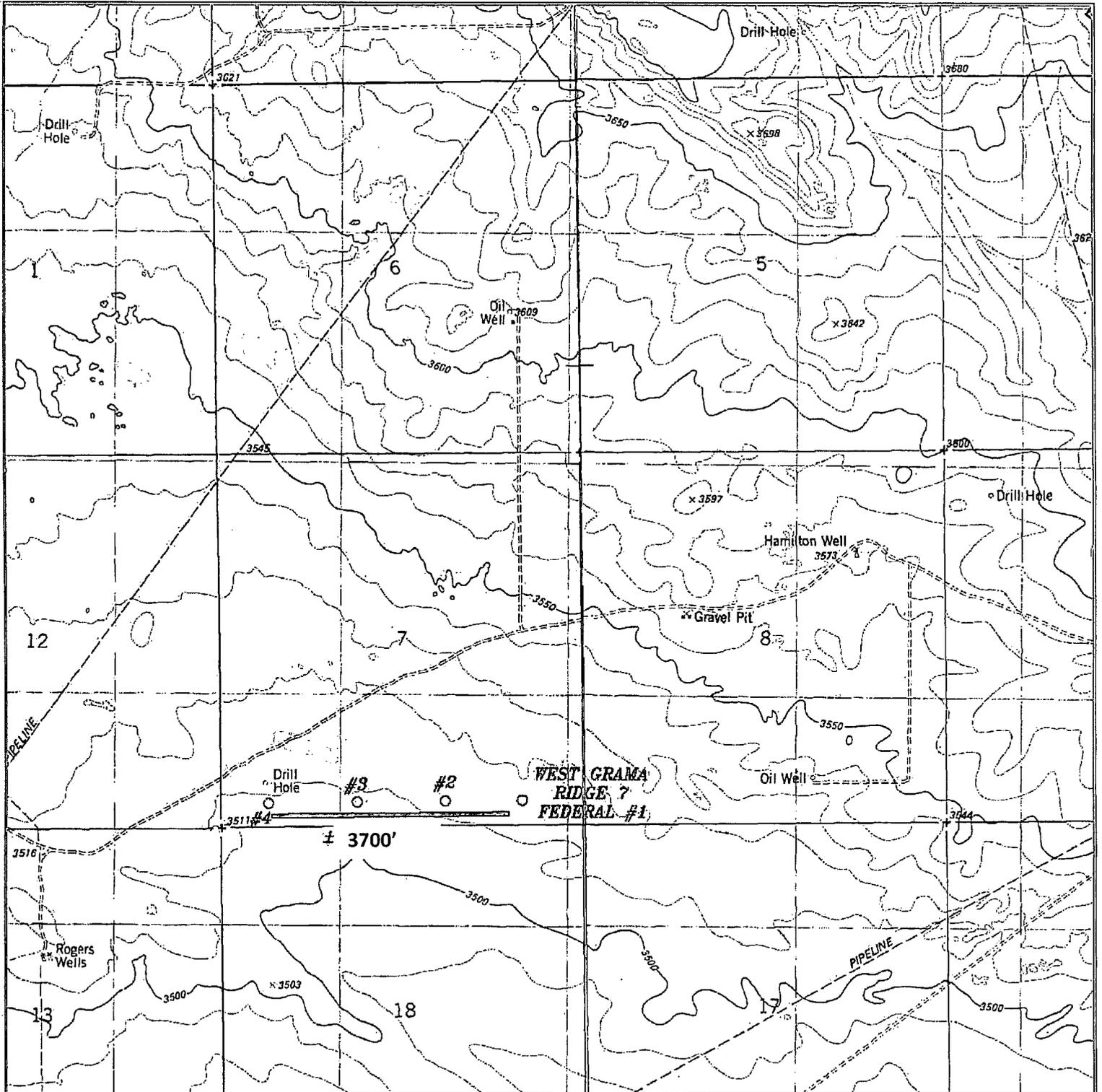
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

W.O. Number: DAJ 27572

Scale: 1" = 2000'

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

CIMAREX
ENERGY CO.



WEST GRAMA RIDGE 7 FEDERAL #1,2,3,4H
 Section 7, Township 22 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.

FLOW LINE TO FOLLOW LEASE ROAD AT 3700'

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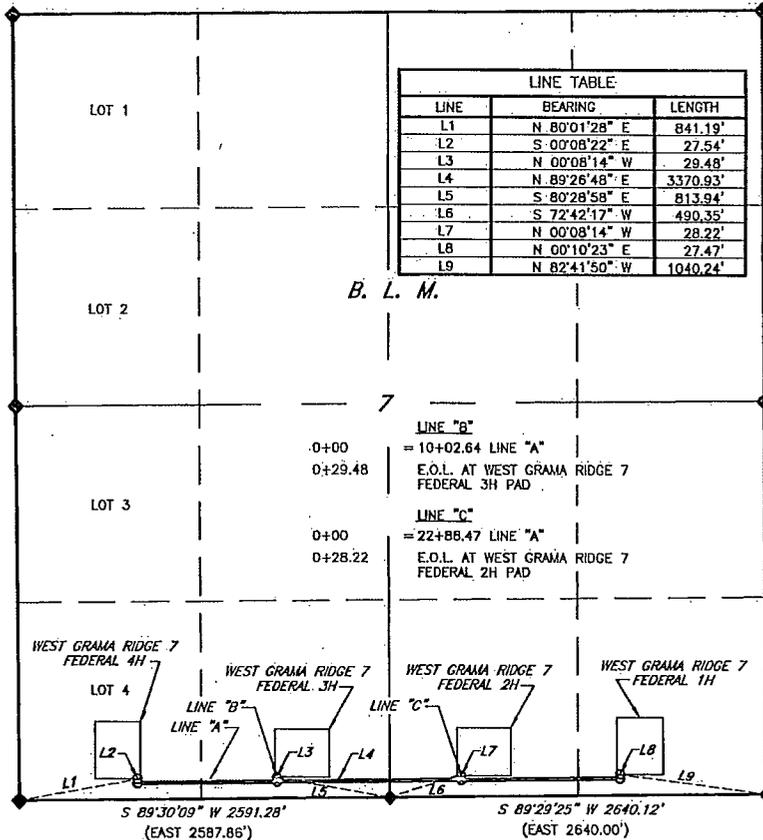
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

W.O. Number: DAJ 27571
Survey Date: 11-01-2012
Scale: 1" = 2000'
Date: 11-12-2012

CIMAREX ENERGY CO.

CIMAREX ENERGY COMPANY

Proposed Pipeline for the
West Grama Ridge 7 Federal 1H, 2H, 3H and 4H
Section 7, Twp. 22 South, Rge. 34 East,
N. M. P. M., Lea Co., New Mexico



SCALE: 1" = 1000'

0 500 1000

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

LEGEND

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

BEGIN LINE "A" AT WEST GRAMA RIDGE 7 FEDERAL 4H PAD
P.I. 90°24'58" LT.

P.I. 89°16'25" LT.
E.O.L. AT WEST GRAMA RIDGE 7 FEDERAL 1H PAD

0+00
0+27.54

33+88.47
34+25.94

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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			<h2 style="margin: 0;">RRC</h2>	SCALE: 1" = 1000' DATE: 2/19/14 SURVEYED BY: GB/IE DRAWN BY: JC APPROVED BY: LWB SHEET : 1 OF 2
Exhibit H				
NO. REVISION DATE				
JOB NO.: LS140031				
DWG. NO.: 140031PL1	308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200			

CIMAREX ENERGY COMPANY

Proposed Pipeline for the West Grama Ridge 7 Federal 1H, 2H, 3H and 4H Section 7, Twp. 22 South, Rge. 34 East, N. M. P. M., Lea Co., New Mexico

DESCRIPTION

A strip of land 30 feet in width and 3,483.64 feet or 211.130 rods in length situated within Section 7, 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 State of New Mexico land:

Beginning at Engr. Sta. 0+00 for Line "A", a point which lies N 80°01'28" E, 841.19 feet from a brass cap, stamped "1913", found for the Southwest corner of the aforementioned Section 7;

Thence S 00°08'22" E, 27.54 feet to Engr. Sta. 0+27.54, a P. I. of 90°24'58" left;

Thence N 89°26'48" E, 3,370.93 feet to Engr. Sta. 33+98.47, a P. I. of 89°16'25" left;

Thence N 00°10'23" E, 27.47 feet to Engr. Sta. 34+25.94, the end of the survey and a point which lies N 82°41'50" W, 1,040.24 feet from a brass cap, stamped "1913", found for the Southeast corner of the above-mentioned Section 7;

Thence BEGINNING AGAIN at Engr. Sta. 0+00 (= 10+02.64 Line "A") for Line "B" a point which lies N 85°57'12" E, 1,808.09 feet from a brass cap, stamped "1913", found for the Southwest corner of the aforementioned Section 7;

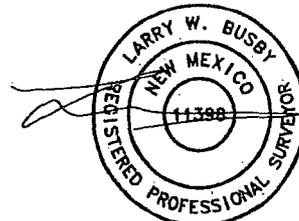
Thence N 00°08'14" E, 29.48 feet to Engr. Sta. 0+29.48, the end of the survey and a point from which a brass cap, stamped "1913", found for the South quarter corner of the aforementioned Section 7 bears S 80°28'58" E, 813.94 feet;

Thence BEGINNING AGAIN at Engr. Sta. 0+00 (= 22+88.47 Line "A") for Line "C" a point which lies N 87°29'10" W 2,143.89 feet from a brass cap, stamped "1913", found for the Southeast corner of the aforementioned Section 7;

Thence N 00°08'14" W, 28.22 feet to Engr. Sta. 0+28.22, the end of the survey and a point from which a brass cap, stamped "1913", found for the South quarter corner of the aforementioned Section 7 bears S 72°42'17" W, 490.35 feet.

Said strip of land contains 2.399 acres, more or less, and is allocated by forties as follows:

SE 1/4 SE 1/4	0.218 Ac.	SW 1/4 SE 1/4	0.929 Ac.
SE 1/4 SW 1/4	0.929 Ac.	Lot 4	0.323 Ac.



Firm No.: TX 10193838 NM 4655451

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Exhibit H				RRC				SCALE: 1" = 1000'
								DATE: 2/19/14
								SURVEYED BY: GB/IE
								DRAWN BY: JC
								APPROVED BY: LWB
								SHEET : 2 OF 2
NO.	REVISION	DATE						
JOB NO.: LS140031								
DWG. NO.: 140031PL2			308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200					