

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
611 S. First St., Artesia, NM 88210
Phone (505) 748-1283 Fax: (505) 748-8720

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) 478-3490 Fax: (505) 478-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

HOBBS OGD

DEC 03 2014

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

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025- 42306	Pool Code 28432	Pool Name GRAM RIDGE, B3, WEST
Property Code 313931	Property Name WEST GRAMA RIDGE 7 FEDERAL	Well Number 4H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3506

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 4 ^N	7	22 S	34 E		330	SOUTH	660	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
LOT 1	7	22 S	34 E		330	NORTH	660	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
154.36			

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

PROPOSED BOTTOM HOLE LOCATION
 Lot - N 32°24'45.34"
 Long - W 103°30'55.45"
 NMSPC - N 514797.91
 E 793742.63
 (NAD-83)

SURFACE LOCATION
 Lot - N 32°23'59.57"
 Long - W 103°30'55.44"
 NMSPC - N 510172.57
 E 793778.16
 (NAD-83)

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.

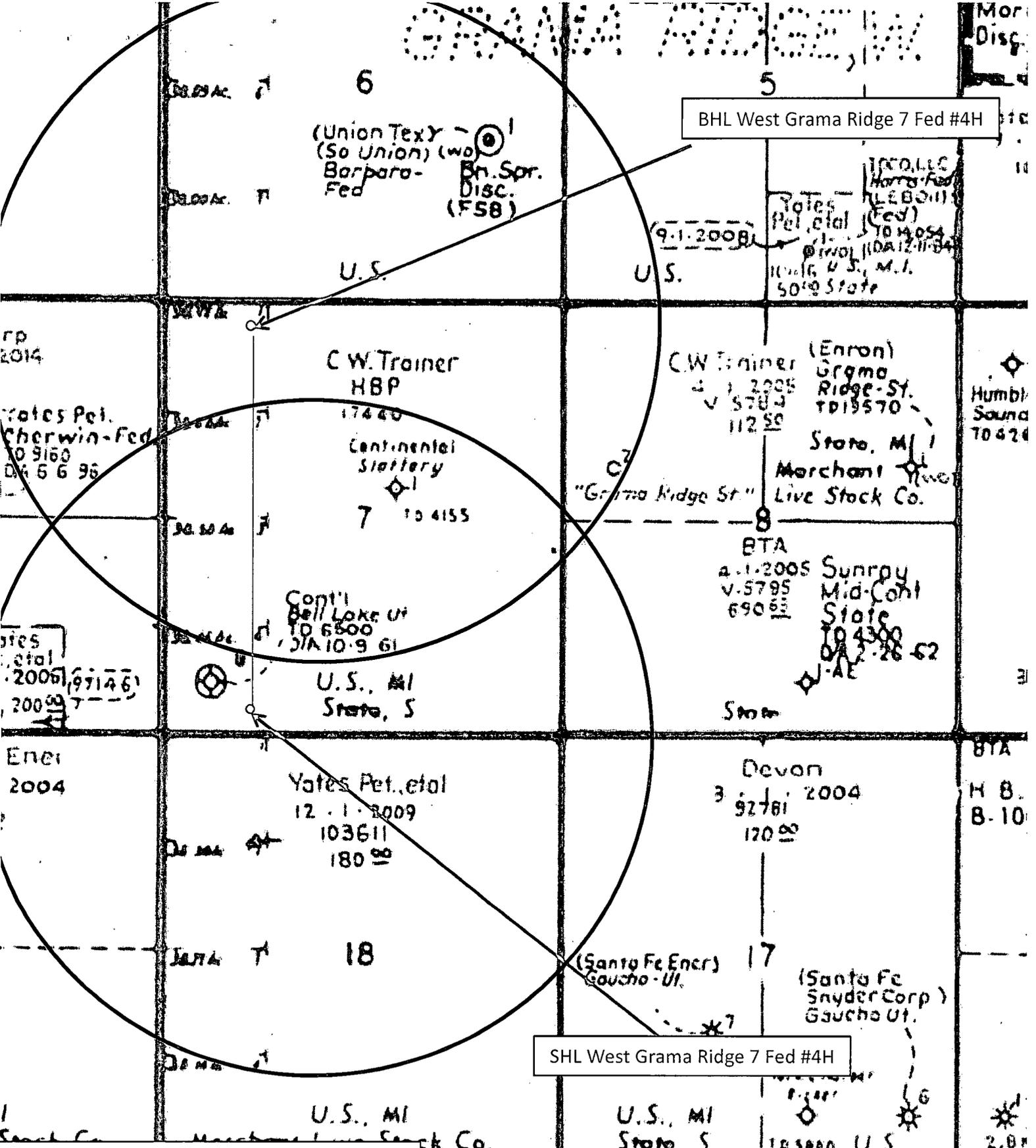
Terr Stathem 4/16/2014
 Signature Date
 Printed Name
 tstathem@cimarex.com
 Email Address

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: 3/20/12
 Signature of Professional Surveyor
 Certificate No. Gary L. Jones 7977
 BASIN SURVEYS

DEC 04 2014



BHL West Grama Ridge 7 Fed #4H

SHL West Grama Ridge 7 Fed #4H

**Exhibit A – One-Mile Radius Map
West Grama Ridge 7 Fed #4H**

Cimarex Energy Co.

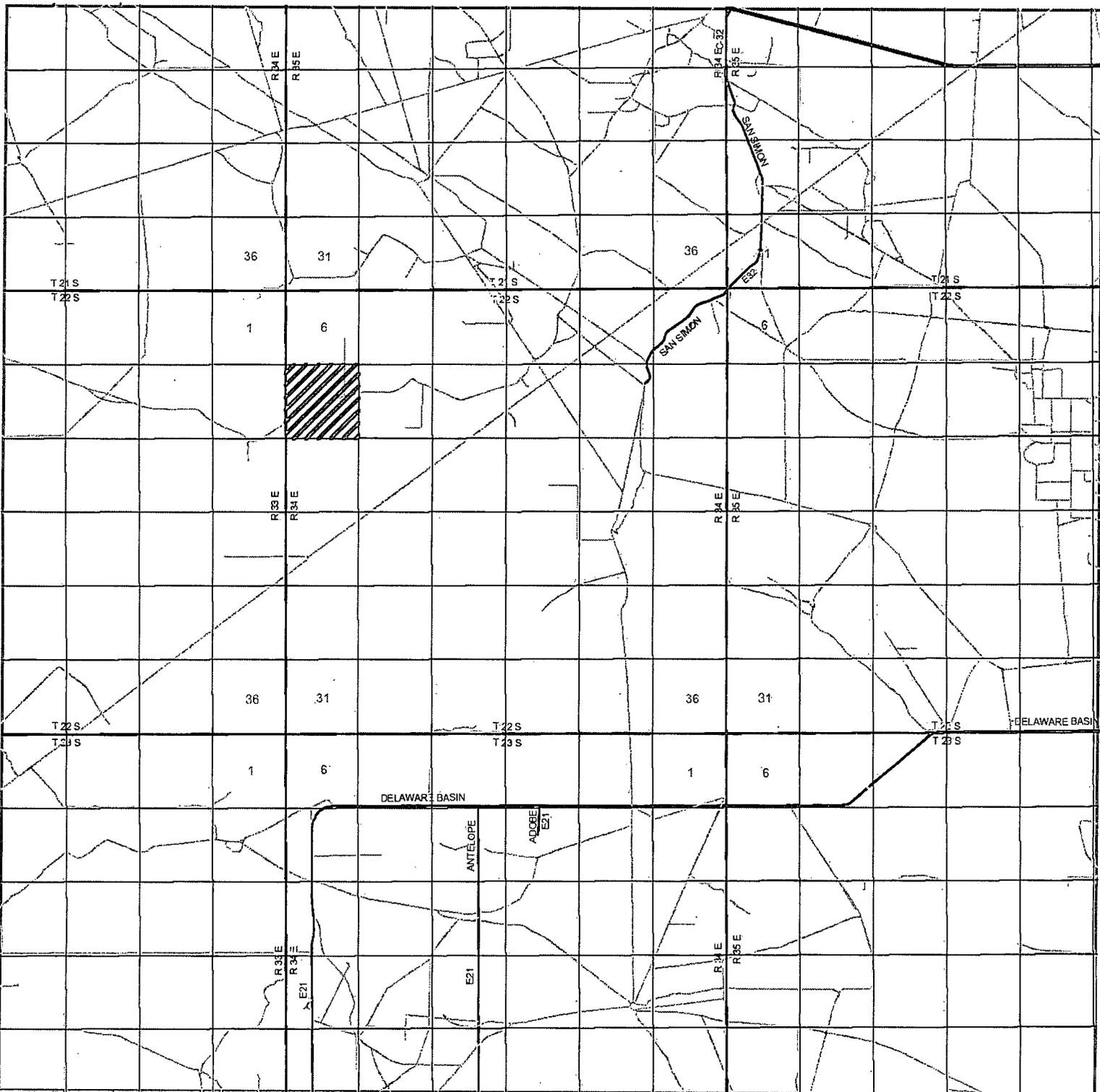
7-22S-34E

SHL 330 FSL & 660 FWL

BHL 330 FNL & 660 FWL

Lea County, NM

J/A 3798... IDA 5-11-84



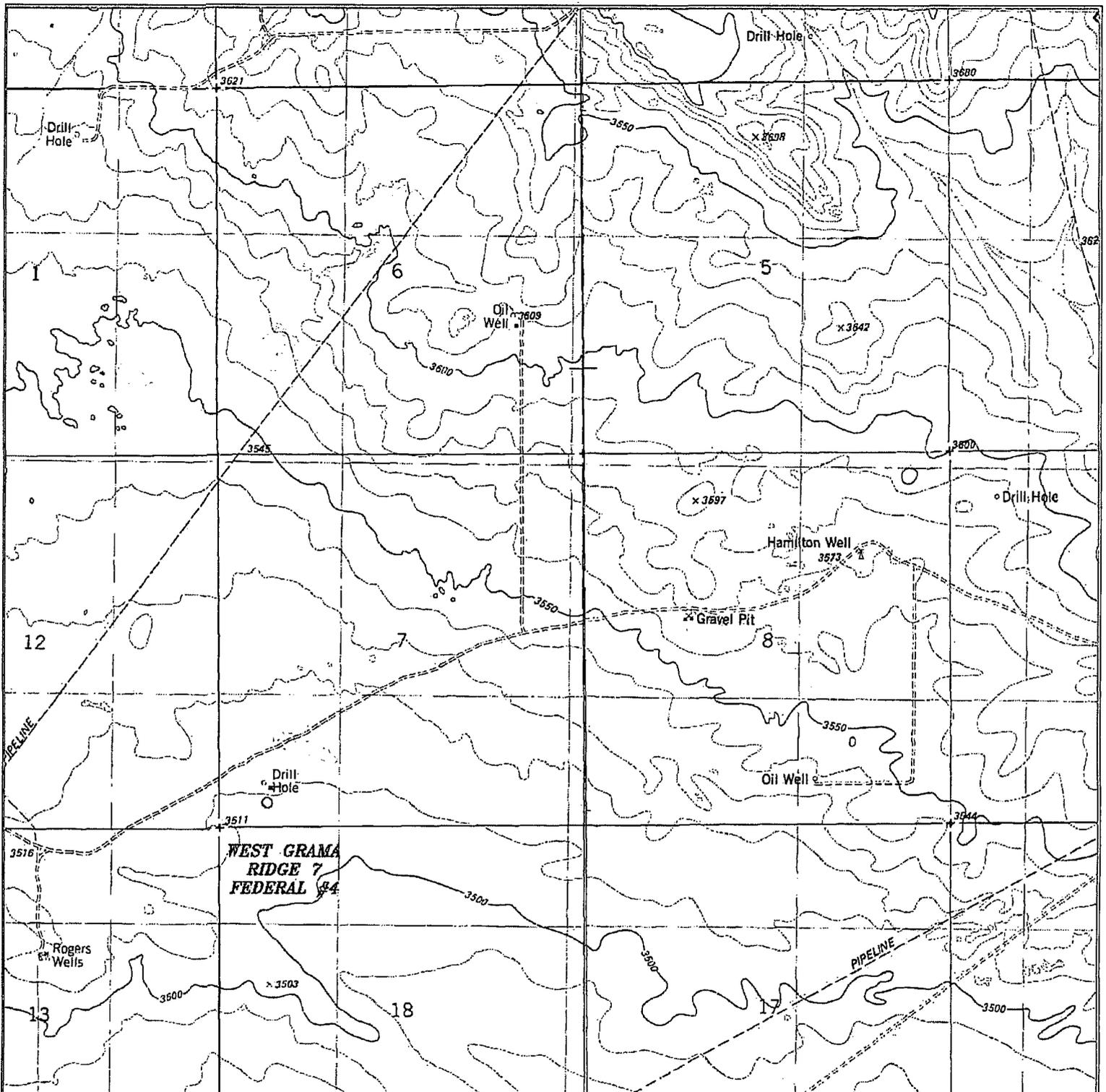
WEST GRAMA RIDGE 7 FEDERAL 4H
 Located 330' FSL and 660' FWL
 Section 7, Township 22 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.

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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

W.O. Number: DAJ 27574
Survey Date: 10-30-2012
Scale: 1" = 2 Miles
Date: 11-12-2012

CIMAREX
ENERGY CO.



WEST GRAMA RIDGE 7 FEDERAL 4
 Located 330' FSL and 660' FWL
 Section 7, Township 22 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.



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 Hobbs, New Mexico 88241
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 (575) 392-2206 - Fax
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W.O. Number: DAJ 27574

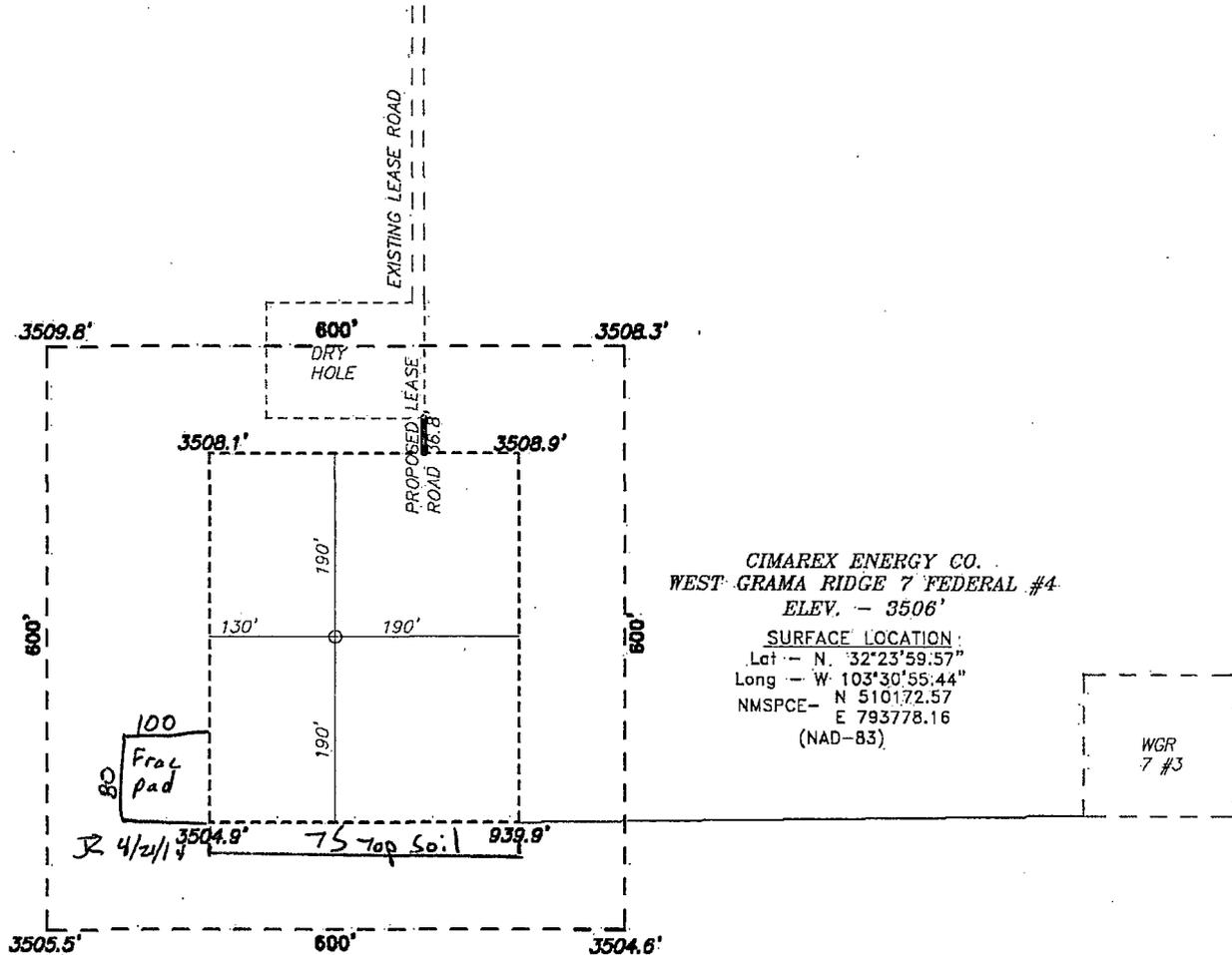
Survey Date: 10-30-2012

Scale: 1" = 2000'

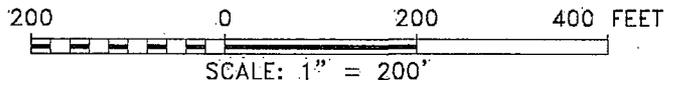
Date: 11-12-2012

CIMAREX
 ENERGY CO.

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



CIMAREX ENERGY CO.
WEST GRAMA RIDGE 7 FEDERAL #4
ELEV. - 3506'
SURFACE LOCATION:
Lat - N. 32°23'59.57"
Long - W. 103°30'55.44"
NMSPE - N 510172.57
E 793778.16
(NAD-83)



Directions to Location:

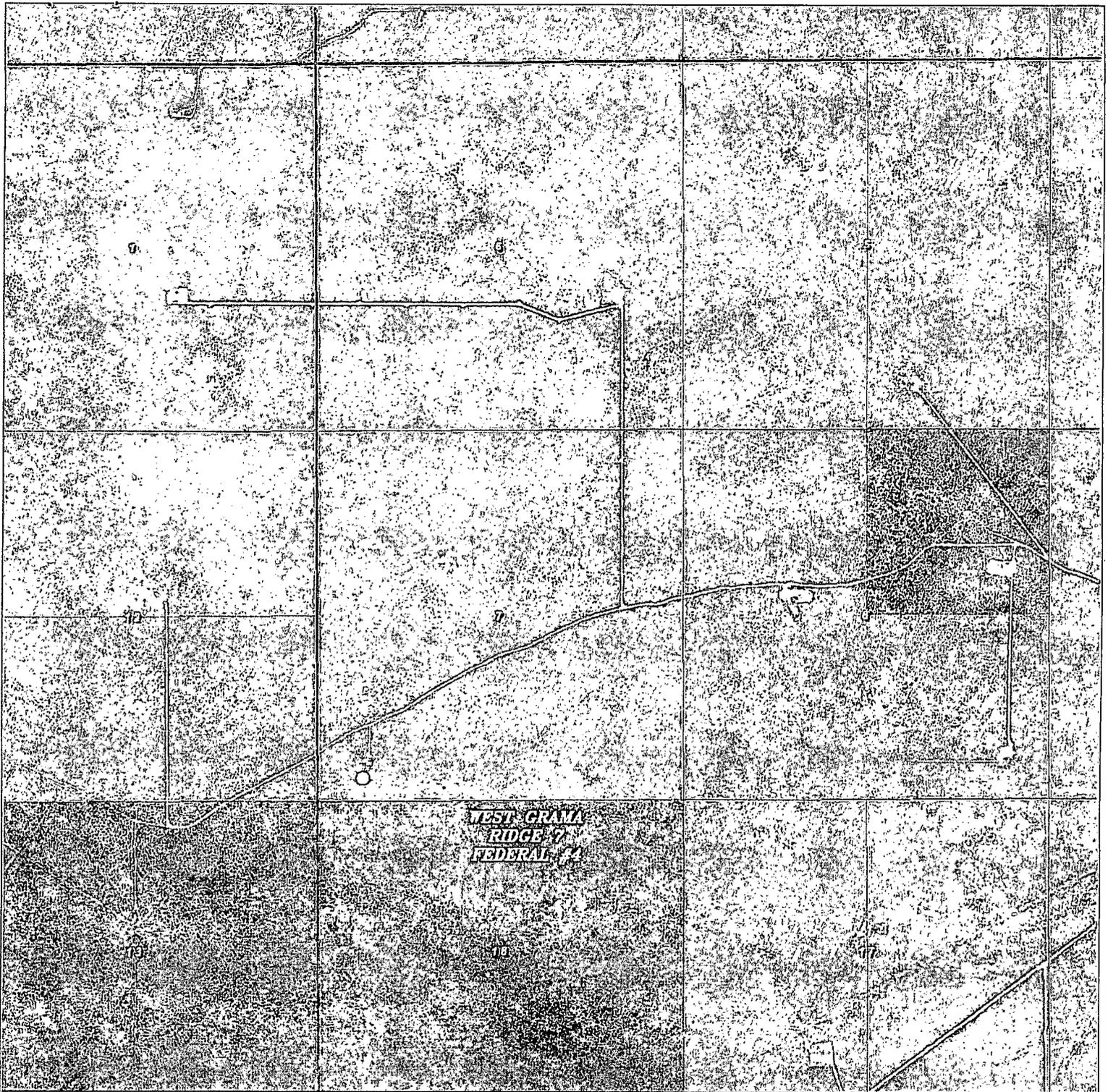
HEADING WEST ON HIGHWAY 176 INBETWEEN SAN SIMON AND MILE MARKER 19 TURN SOUTH ON EXISTING LEASE ROAD, GO 10 MILES TURN SOUTH GO .1 MILE TO PROPOSED ROAD FOR ALL WEST GRAMA RIDGE WELLS.

CIMAREX ENERGY CO.

REF: WEST GRAMA RIDGE 7 FEDERAL #4 / WELL PAD TOPO
THE WEST GRAMA RIDGE 7 FEDERAL #4 LOCATED 330'
FROM THE SOUTH LINE AND 660' FROM THE WEST LINE OF
SECTION 7, TOWNSHIP 22 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.
Survey Date: 10-30-2012
Sheet 1 of 1 Sheets

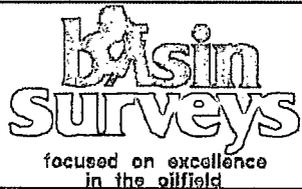
BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 27574	Drawn By: D. JONES
Date: 11-12-2012	Disk: DAJ 27574



WEST GRAMA
RIDGE 7
FEDERAL 4H

WEST GRAMA RIDGE 7 FEDERAL 4H
 Located 330' FSL and 660' FWL
 Section 7, Township 22 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.



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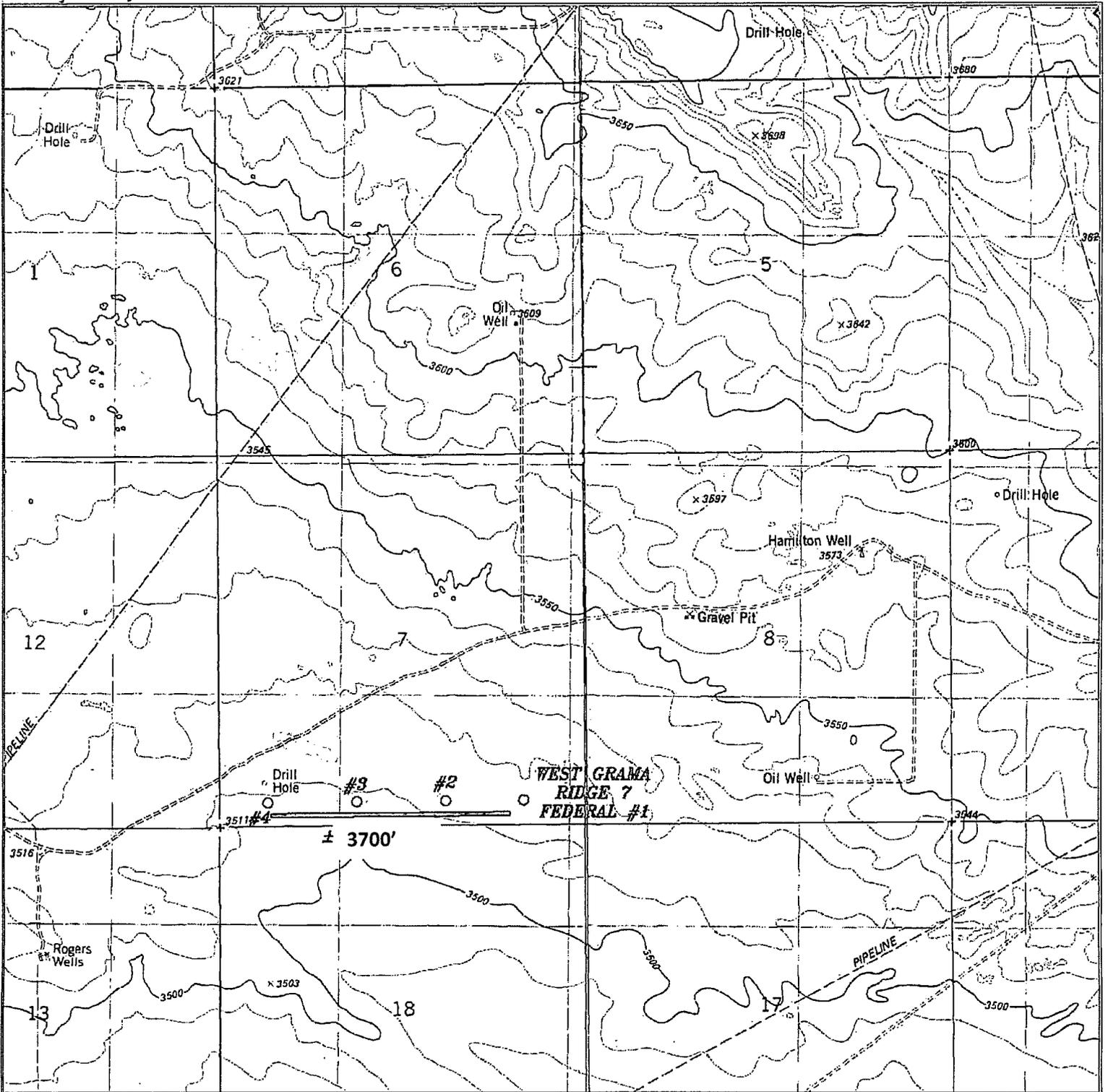
W.O. Number: DAJ 27574

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

CIMAREX
ENERGY CO.

Exhibit G

**Public Access Route
West Grama Ridge 7 Fed #4H**

Cimarex Energy Co.

7-22S-34E

SHL 330 FSL & 660 FWL

BHL 330 FNL & 660 FWL

Lea County, NM

Directions to Location:

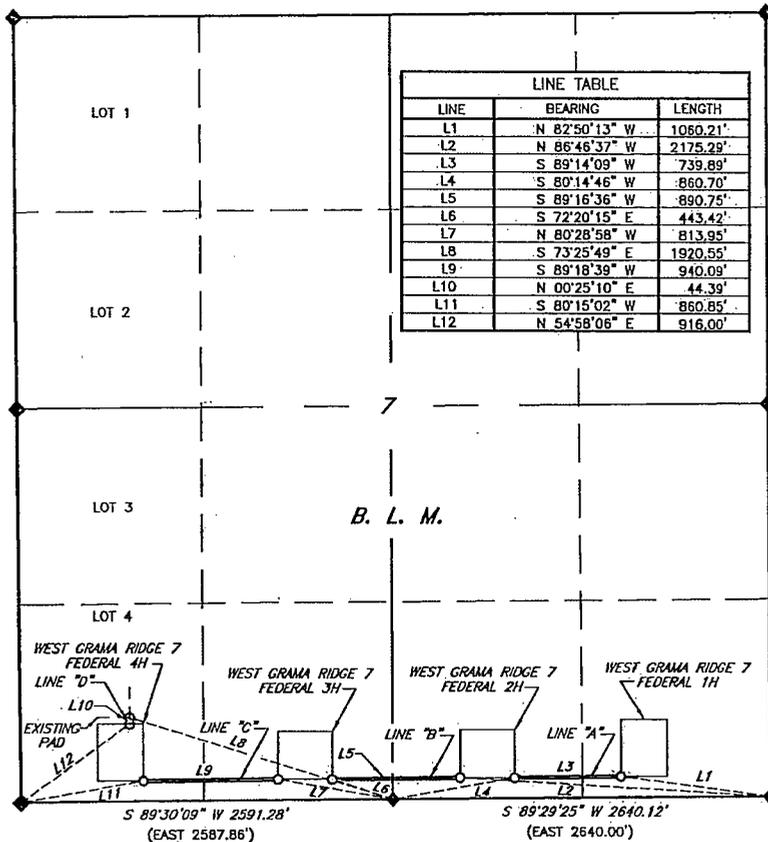
HEADING WEST ON HIGHWAY 178 IN BETWEEN SAN
SIMON AND MILE MARKER 19 TURN SOUTH ON
EXISTING LEASE ROAD, GO 10 MILES TURN SOUTH
GO .1 MILE TO PROPOSED ROAD FOR ALL WEST
GRAMA RIDGE WELLS.

WEST GRAMA RIDGE
#4 FEDERAL

West Grama Ridge 7 Federal

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

- 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+39.83
- BEGIN LINE "A" AT WEST GRAMA RIDGE 7 FEDERAL 1H PAD

0+00

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.: 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;

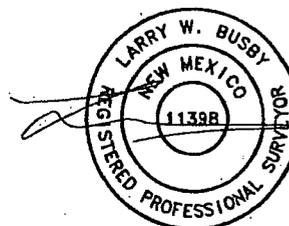
Thence S 89°18'39" W, 940.09 feet to Engr. Sta. 9+40.09, the end of the survey and a point from which a brass cap, stamped "1913", found for the Southwest corner of the aforementioned Section 7 bears S 80°15'02" W, 860.85 feet;

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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NO.	REVISION	DATE
JOB NO.: LS140031		
DWG. NO.: 140031RD2		

Exhibit C-2

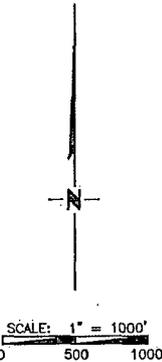
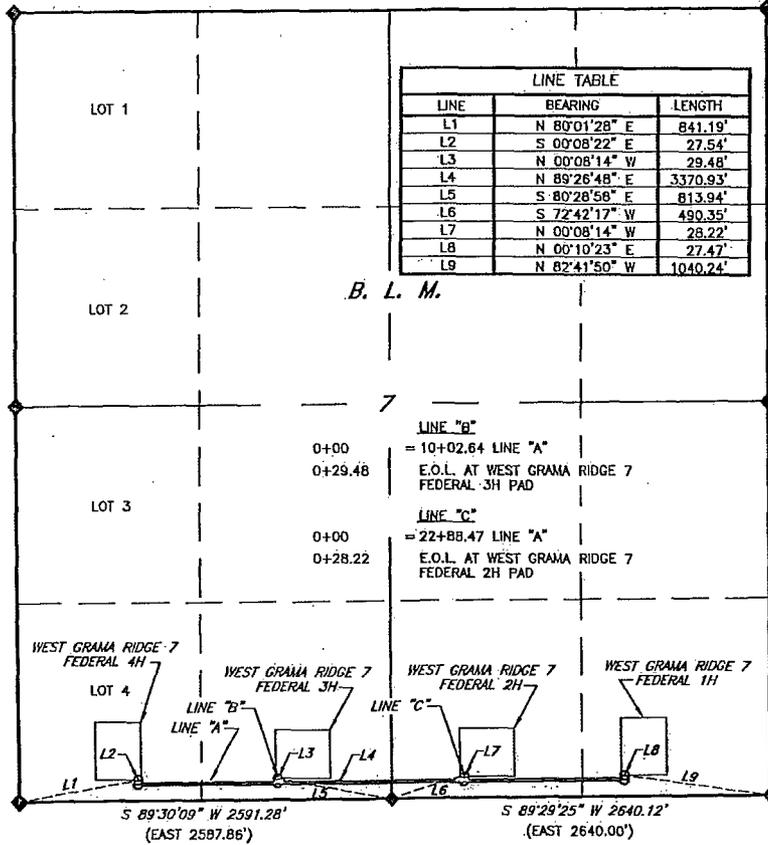
RRC

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 2

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



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°24'59" LT.

0+00
0+27.54

33+98.47
34+25.94

P.I. 80°16'25" LT.
E.O.L. AT WEST GRAMA RIDGE 7 FEDERAL 1H PAD

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.

[Signature]
 Larry Busby NM PS 11398



Firm No.: TX 10193838 NM 4655451

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NO.	REVISION	DATE

JOB NO.: LS140031
 DWG. NO.: 140031PL1

Exhibit G



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 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;

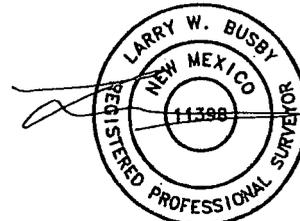
Thence N 00°08'14" E, 29.48 feet to Engr. Sta. 0+29.48, the end of the survey and a point from which a brass cap, stamped "1913", found for the South quarter corner of the aforementioned Section 7 bears S 80°28'58" E, 813.94 feet;

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