

DISTRICT I
1825 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) 748-1265 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) 476-3480 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

MAY 19 2015

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office.

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025-42573	Pool Code 2-8432	Pool Name GRAMA RIDGE, Bone Spring, WEST
Property Code 763931	Property Name WEST GRAMA RIDGE 7 FEDERAL	Well Number 1H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3512

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	22 S	34 E		330	SOUTH	860	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
A	7	22 S	34 E		330	NORTH	660	EAST	LEA
Dedicated Acres 160	Joint or Infill	Consolidation Code	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

PROPOSED BOTTOM HOLE LOCATION
 Lat - N 32°24'45.35"
 Long - W 103°30'09.73"
 NMSPCE - N 514829.48
 E 797661.14
 (NAD-83)

SURFACE LOCATION
 Lat - N 32°23'59.61"
 Long - W 103°30'12.17"
 NMSPCE - N 510205.01
 E 797488.46
 (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.

Hope Knauls 10/17/2013
 Signature Date

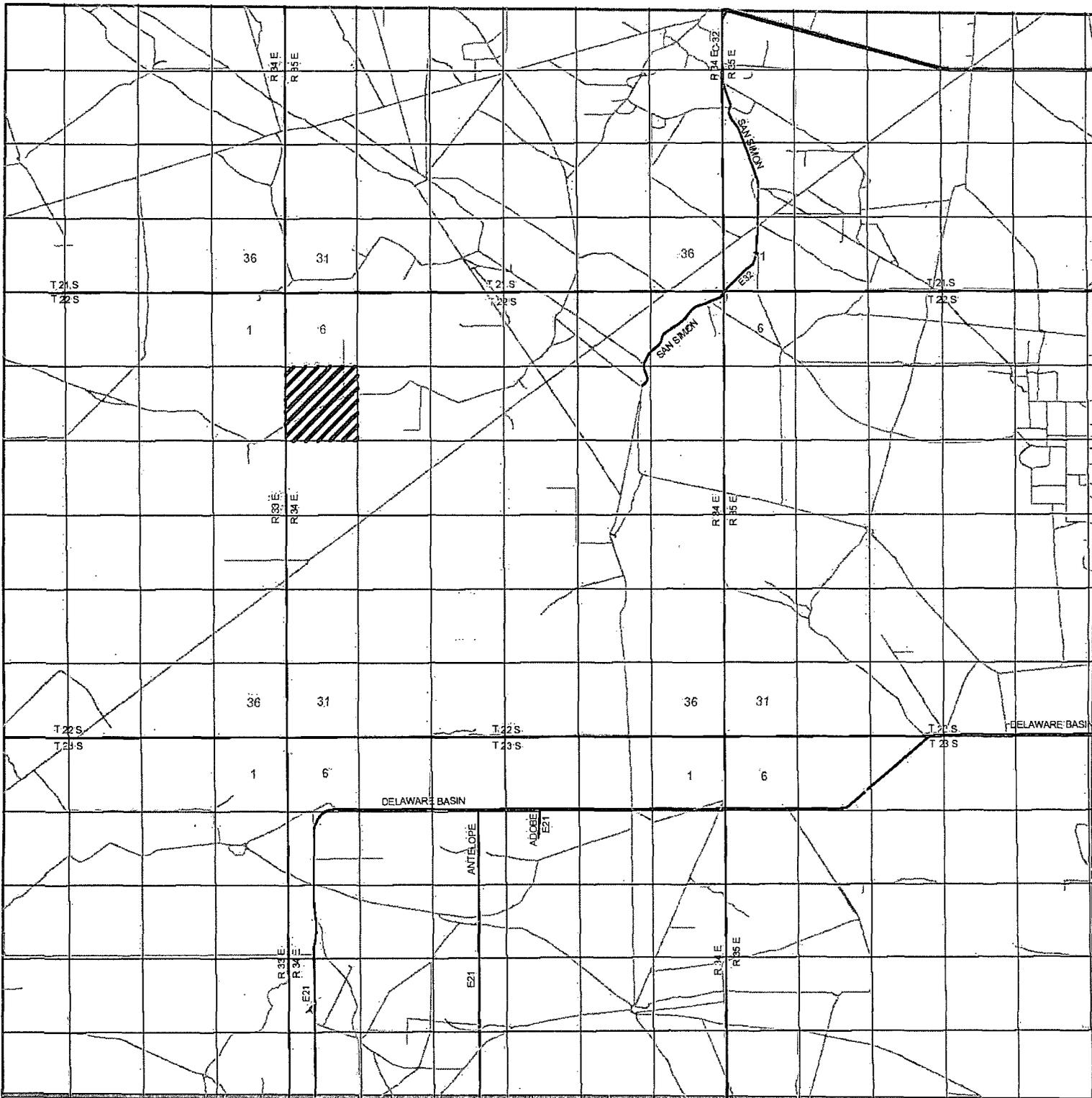
Hope Knauls
 Printed Name
 hknauls@cimarex.com
 Email Address

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: 10/17/2013
 Signature: [Signature]
 Seal of Professional Surveyor

Certificate No. Gary L. Jones 7977
 BASIN SURVEYS

MAY 19 2015



WEST GRAMA RIDGE 7 FEDERAL #1H
 Located 330' FSL and 860' 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

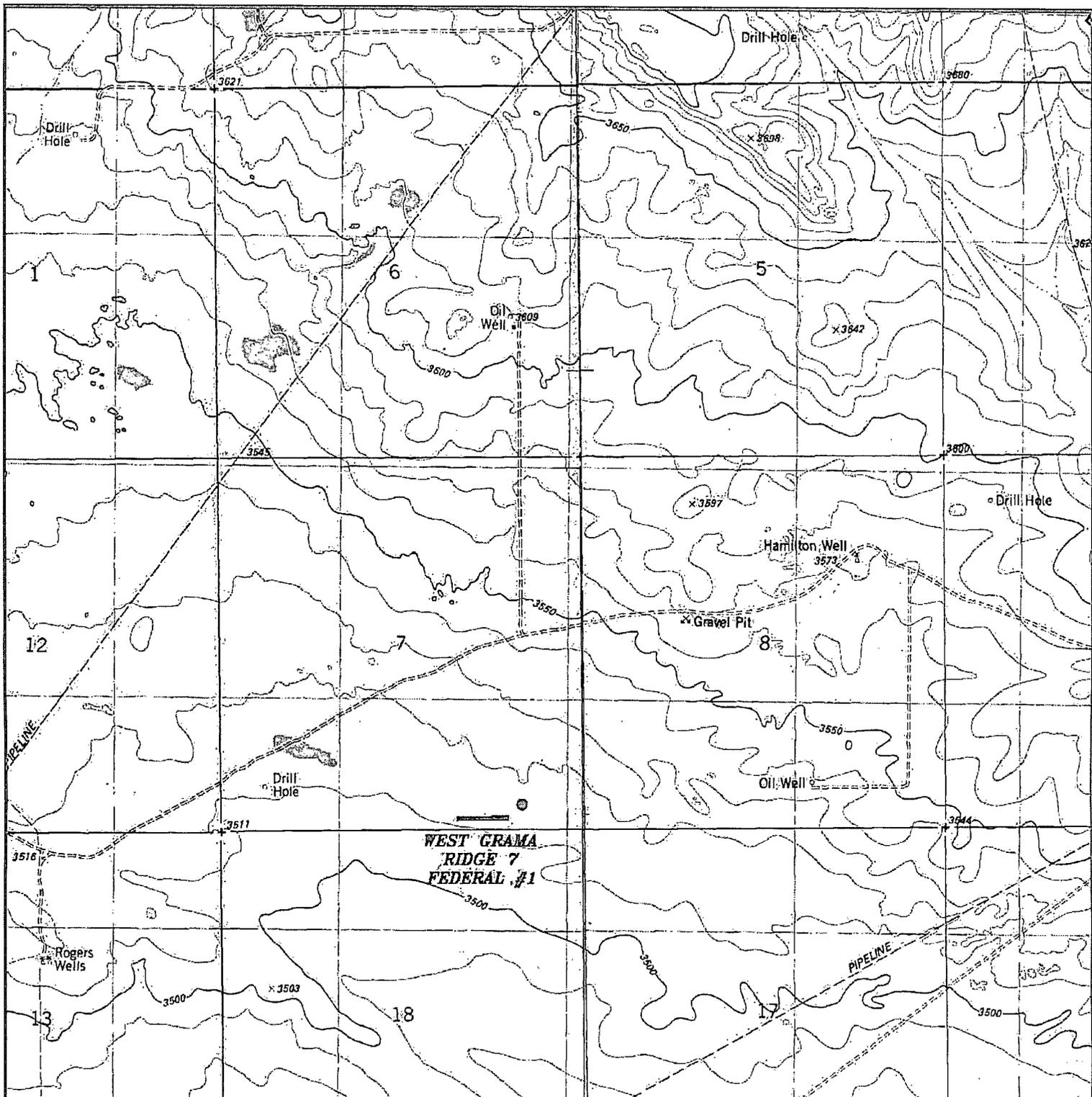
W.O. Number: DAJ 27571

Survey Date: 11-01-2012

Scale: 1" = 2 Miles

Date: 11-12-2012

CIMAREX
ENERGY CO.



WEST GRAMA RIDGE 7 FEDERAL #1H
 Located 330' FSL and 860' FEL
 Section 7, Township 22 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.



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W.O. Number: DAJ 27571

Survey Date: 11-01-2012

Scale: 1" = 2000'

Date: 11-12-2012

**CIMAREX
 ENERGY CO.**

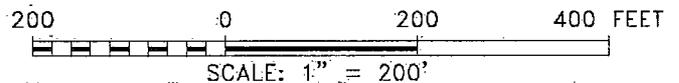
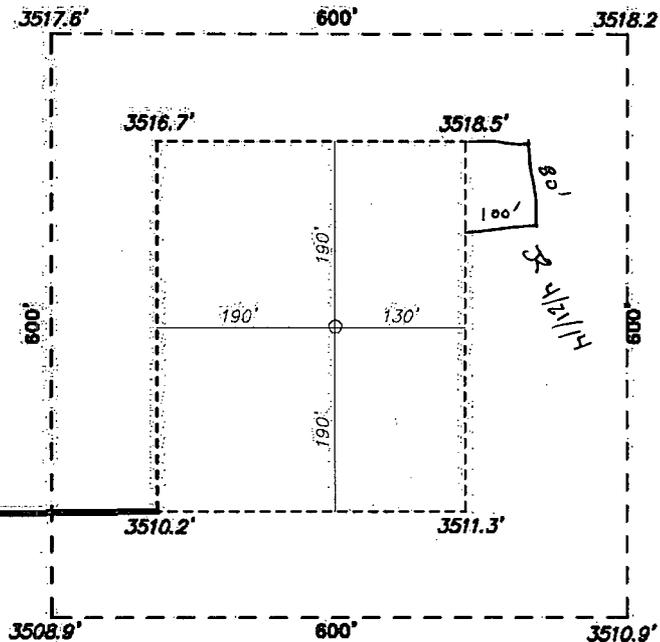
SECTION 7, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



CIMAREX ENERGY CO.
WEST GRAMA RIDGE 7 FEDERAL #1
 ELEV. - 3512'
 SURFACE LOCATION
 Lat. - N: 32°23'59.61"
 Long. - W: 103°30'12.17"
 NMSBCE - N: 510205.01
 E: 797488.46
 (NAD-83)

WEST GAMMA
 RIDGE 7 #2

PROPOSED LEASE ROAD 739.9'



Directions to Location:

HEADING WEST ON HIGHWAY 176 IN BETWEEN SAN SIMON AND MILE MARKER 1.9 TURN SOUTH ON EXISTING LEASE ROAD, GO 1.0 MILES TURN SOUTH GO .1 MILE TO PROPOSED ROAD FOR ALL WEST GAMMA RIDGE WELLS.

CIMAREX ENERGY CO.

REF: WEST GRAMA RIDGE 7 FEDERAL #1 / WELL PAD TOPO

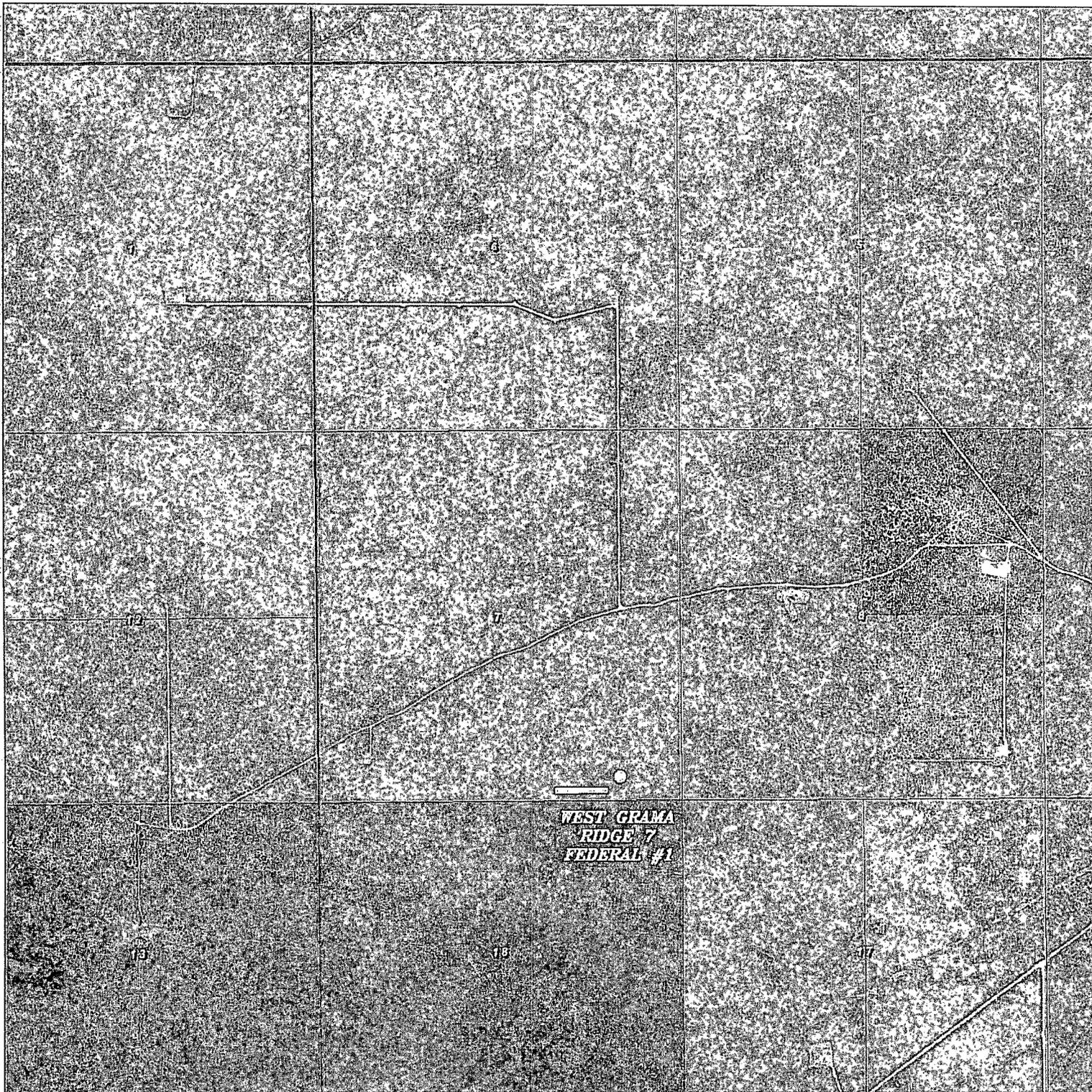
THE WEST GRAMA RIDGE 7 FEDERAL #1 LOCATED 330'
 FROM THE SOUTH LINE AND 860' FROM THE EAST LINE OF
 SECTION 7, TOWNSHIP 22 SOUTH, RANGE 34 EAST,
 N.M.P.M., LEA COUNTY, NEW MEXICO.

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

W.O. Number: 27571 Drawn By: **D. JONES**

Date: 11-12-2012 Disk: DAJ 27571

Survey Date: 11-01-2012 Sheet 1 of 1 Sheets



WEST GRAMA
 RIDGE 7
 FEDERAL #1

WEST GRAMA RIDGE 7 FEDERAL #1 H
 Located 330' FSL and 860' FEL
 Section 7, Township 22 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.



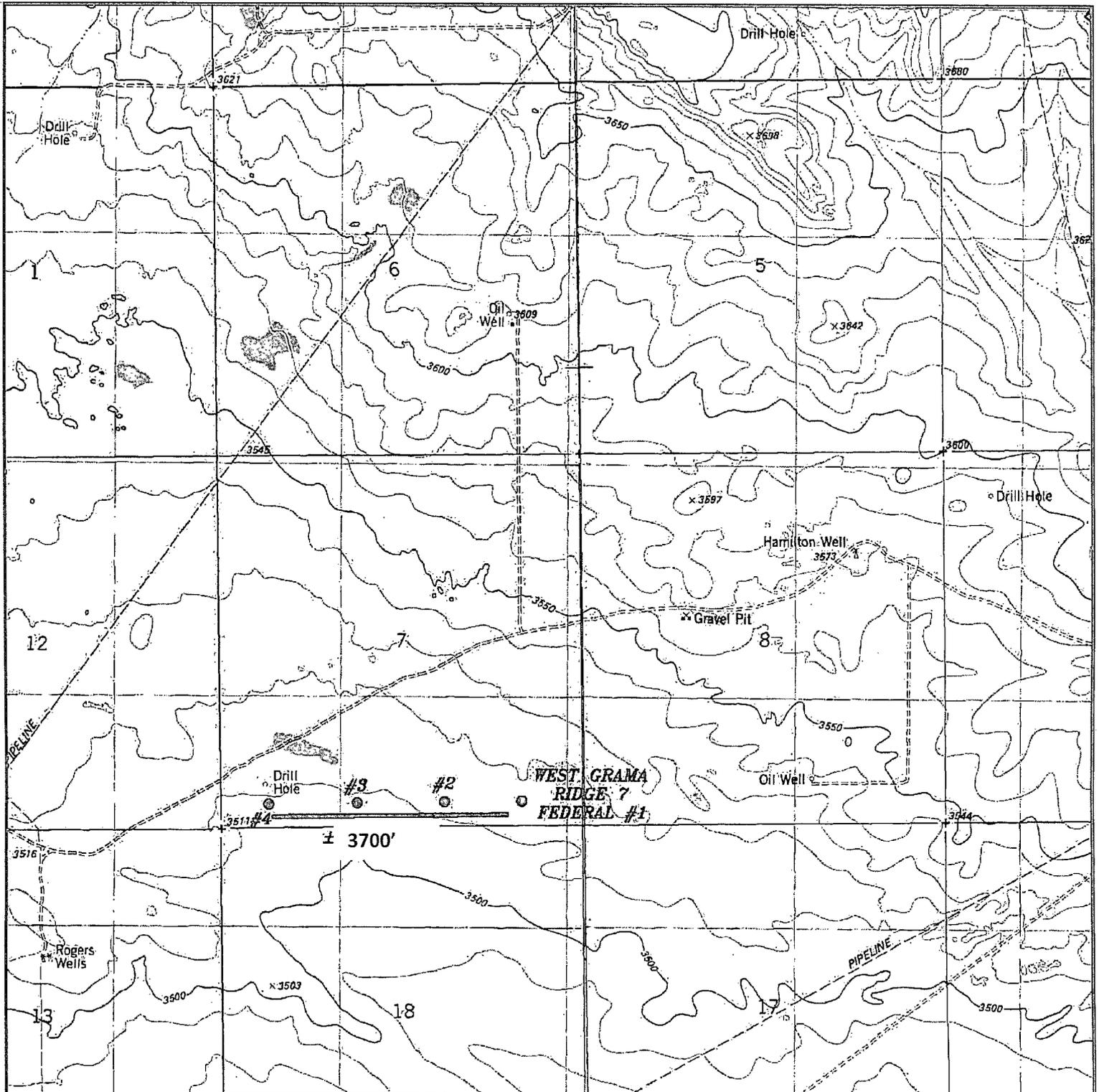
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

W.O. Number: DAJ 27571

Scale: 1" = 2000'

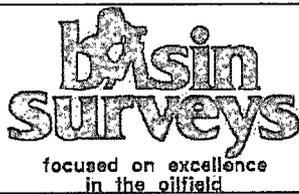
YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

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.**

Public Access Route
West Grama Ridge 7 Fed #1H
Cimarex Energy Co.
7-22S-34E
SHL 330 FSL & 860 FEL
BHL 330 FNL & 660 FEL
Lea County, NM

Directions to Location:

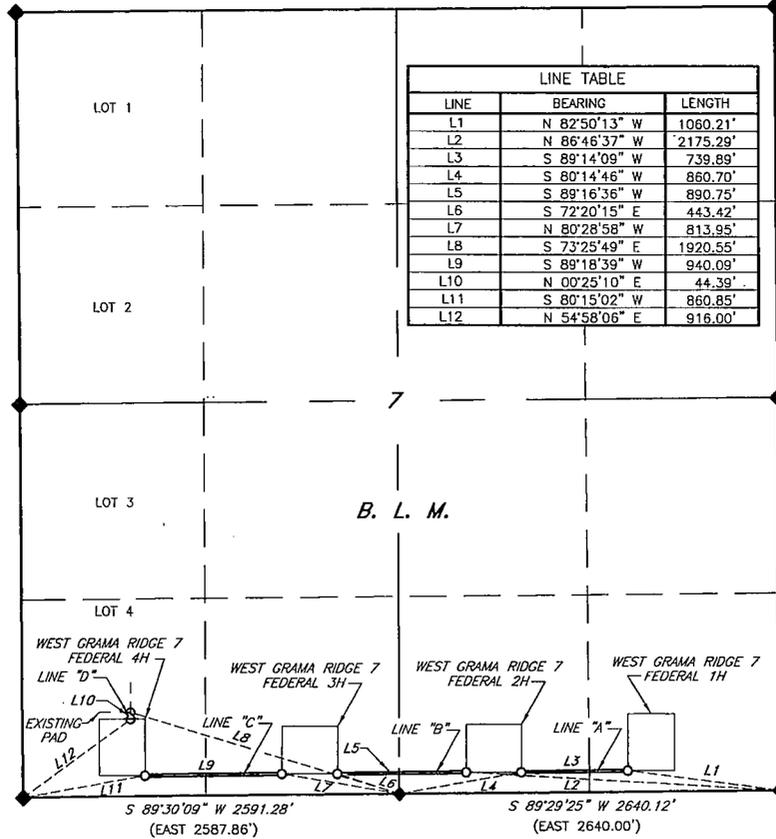
HEADING WEST ON HIGHWAY 178 IN BETWEEN SAN SIMON AND MILE MARKER 18 TURN SOUTH ON EXISTING LEASE ROAD, GO 13 MILES TURN SOUTH GO .1 MILE TO PROPOSED ROAD FOR ALL WEST GRAMA RIDGE WELLS.

WEST GRAMA RIDGE
7 FEDERAL 4

W. 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" 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'

WEST GRAMA RIDGE 7 FEDERAL 4H
WEST GRAMA RIDGE 7 FEDERAL 3H
WEST GRAMA RIDGE 7 FEDERAL 2H
WEST GRAMA RIDGE 7 FEDERAL 1H

LINE "D"
LINE "C"
LINE "B"
LINE "A"

EXISTING PAD

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+38.89

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



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;

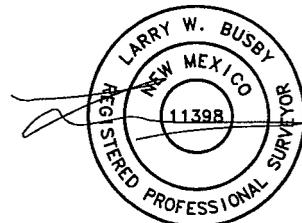
Thence S 89°18'39" W, 940.09 feet to Engr. Sta. 9+40.09, the end of the survey and a point from which a brass cap, stamped "1913", found for the Southwest corner of the aforementioned Section 7 bears S 80°15'02" W, 860.85 feet;

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		

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