

Cascade 29 Federal Infill Drilling Plat
Sec. 29, 25S, 33 E

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 15, 2009

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	Pool Code	Pool Name
Property Code	Property Name CASCADE 29 FEDERAL	
OGRID No.	Operator Name CIMAREX ENERGY CO.	
		Well Number
		Elevation

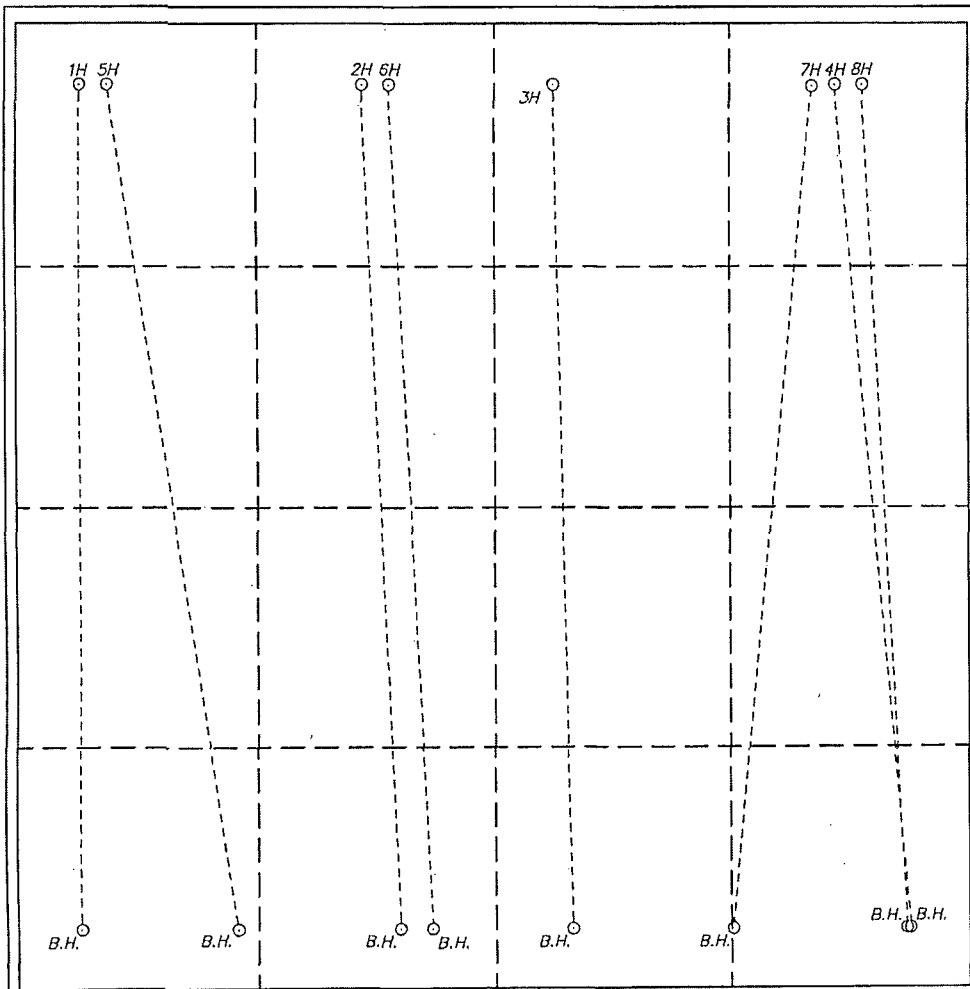
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

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
Dedicated Acres	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

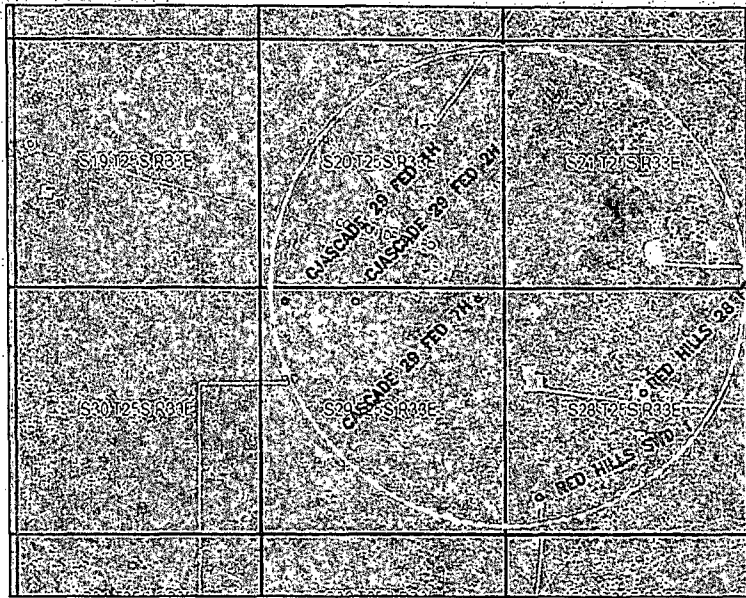
	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to 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.</i> Signature _____ Date _____ SURVEYOR CERTIFICATION <i>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.</i> Date Surveyed _____ Signature & Seal of Professional Surveyor _____ Certificate No. Gary L. Jones 7977 BASIN SURVEYS
--	--

CIMAREX ENERGY COMPANY

Well Area Map

CASCADE 29 FEDERAL #7H
(340' FNL & 864' FEL)

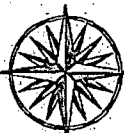
Section 29, T-25-S, R-33-E
N. M. P. M., LEA Co., New Mexico



Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.: LS140077		
DWG. NO.: 140077ADJ		

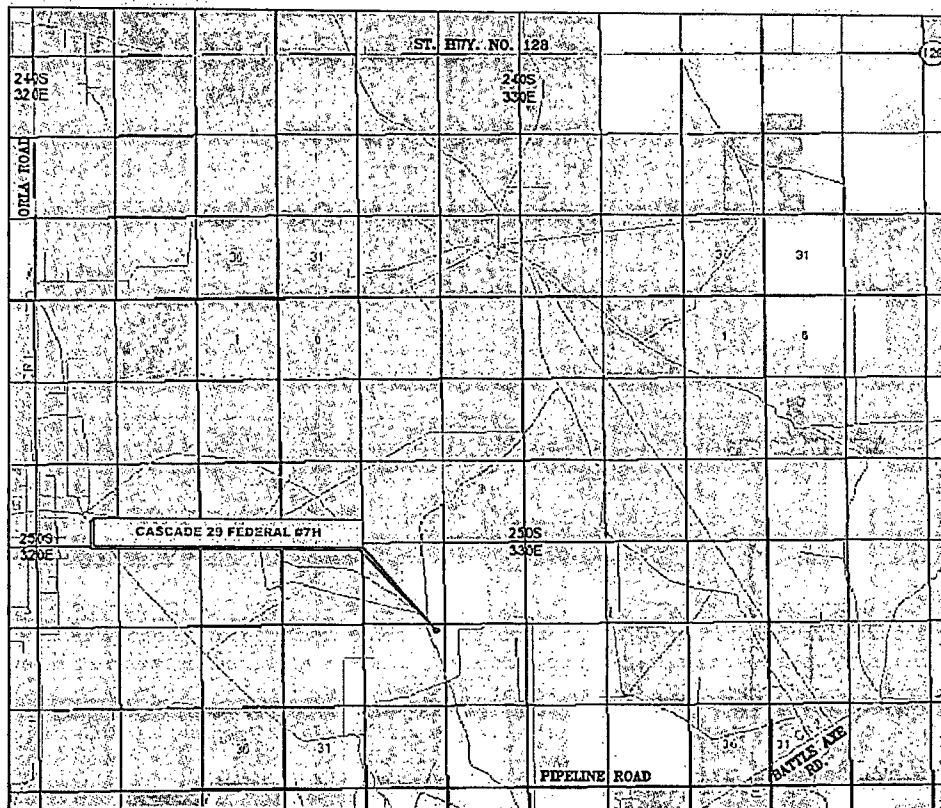
PROSPERITY CONSULTANTS, LLC



SCALE: NOT TO SCALE
DATE: 2-6-14
SURVEYED BY: GB/IE
DRAWN BY: JF
APPROVED BY: LWB
SHEET : 1 OF 1

3801 Doris Lane, Round Rock, Texas 78664 | Firm No.: TX 10193838 NM 4655451 | (512) 992-2087

CIMAREX ENERGY COMPANY
General Highway Map
CASCADE 29 FEDERAL #7H
(340' FNL & 864' FEL)
Section 29, T-25-S, R-33-E
N. M. P. M., Lea Co., New Mexico



City of Jal is approx.
 26 miles East of location.



Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.: LS140077		
DWG. NO.: 140077GHM		

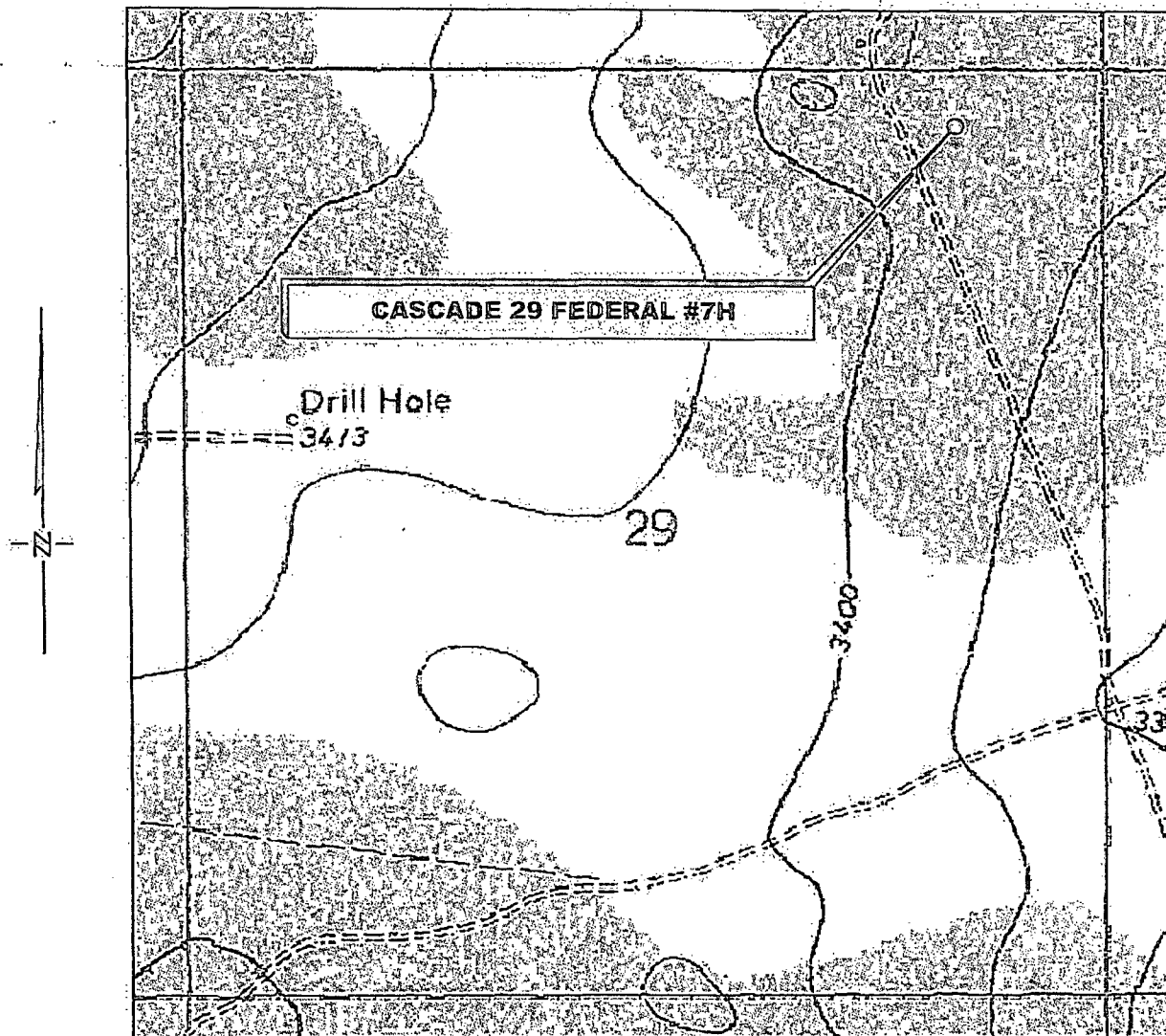
PROSPERITY CONSULTANTS, LLC



3801 Doris Lane, Round Rock, Texas 78664 | Firm No.: TX 10193838 NM 4655451 | (512) 992-2087

SCALE: NOT TO SCALE
DATE: 2/6/14
SURVEYED BY: GB/IE
DRAWN BY: LWB
APPROVED BY: LWB
SHEET : 1 OF 1

LOCATION VERIFICATION MAP



*SECTION 29, TWP. 25 SOUTH, RGE. 33 EAST,
N. M. P. M., LEA COUNTY, NEW MEXICO*

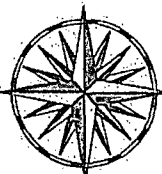
OPERATOR: Cimarex Energy Company
LEASE: Cascade 29 Federal
WELL NO.: 7H
ELEVATION: 3396'

LOCATION: 340' FNL & 864' FEL
CONTOUR INTERVAL: 10'
USGS TOPO. SOURCE MAP:
Paduca Breaks East, NM (1973)

Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.: LS140077		
DWG. NO.: 140077LVM		

PROSPERITY CONSULTANTS, LLC

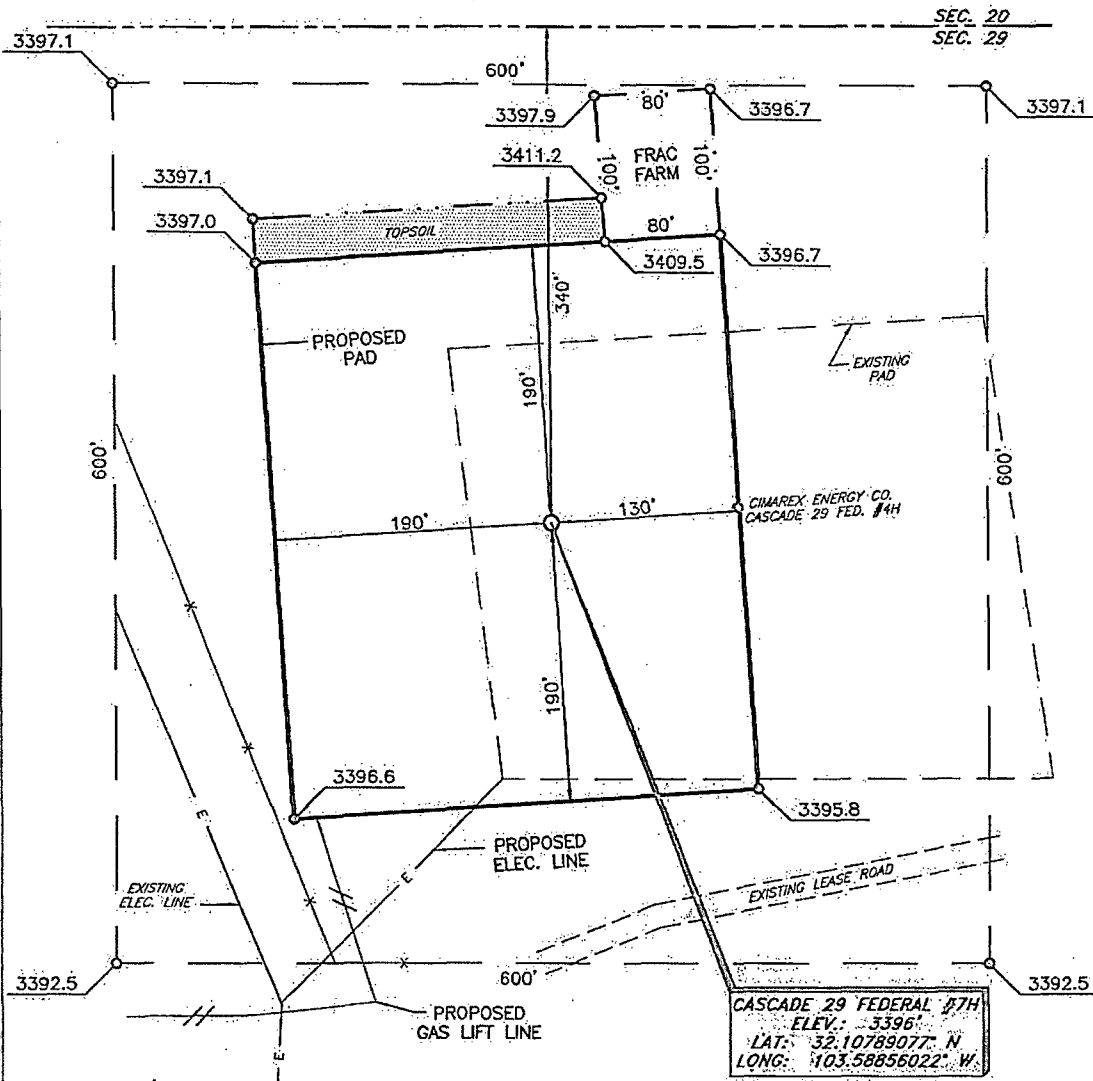


308 W. Broadway St., Hobbs, NM 88240 | Firm No. TX 10193838 NM 4655451 | (575) 964-8200

SCALE: 1" = 1000'
DATE: 2/6/14
SURVEYED BY: GB/IE
DRAWN BY: LWB
APPROVED BY: LWB
SHEET : 1 OF 1

CIMAREX ENERGY COMPANY

CASCADE 29 FEDERAL #7H
(340' FNL & 864' FEL)
Section 29, T-25-S, R-33-E,
N. M. P. M., Lea Co., New Mexico



DIRECTIONS TO LOCATION

From the intersection of Battle Axe Road and Pipeline Road, go West on Pipeline Road approx. 2.0 miles to a lease road;

Turn right and go Northwest approx. 0.7 mile to another lease road;

Turn right and go Northeast 1.4 miles veering left and heading North approx. 1.1 miles to the Cascade 29 Federal #4H well.

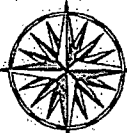
Location is approx. 130' West of the existing Cimarex Cascade 29 Federal #4H well.

SCALE: 1" = 100'
0 50 100
BEARINGS ARE
NAD 83 GRID - NM EAST
DISTANCES ARE
GROUND.

Copyright 2012 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.:	LS140077	
DWG. NO.:	140077PAD	

PROSPERITY CONSULTANTS, LLC



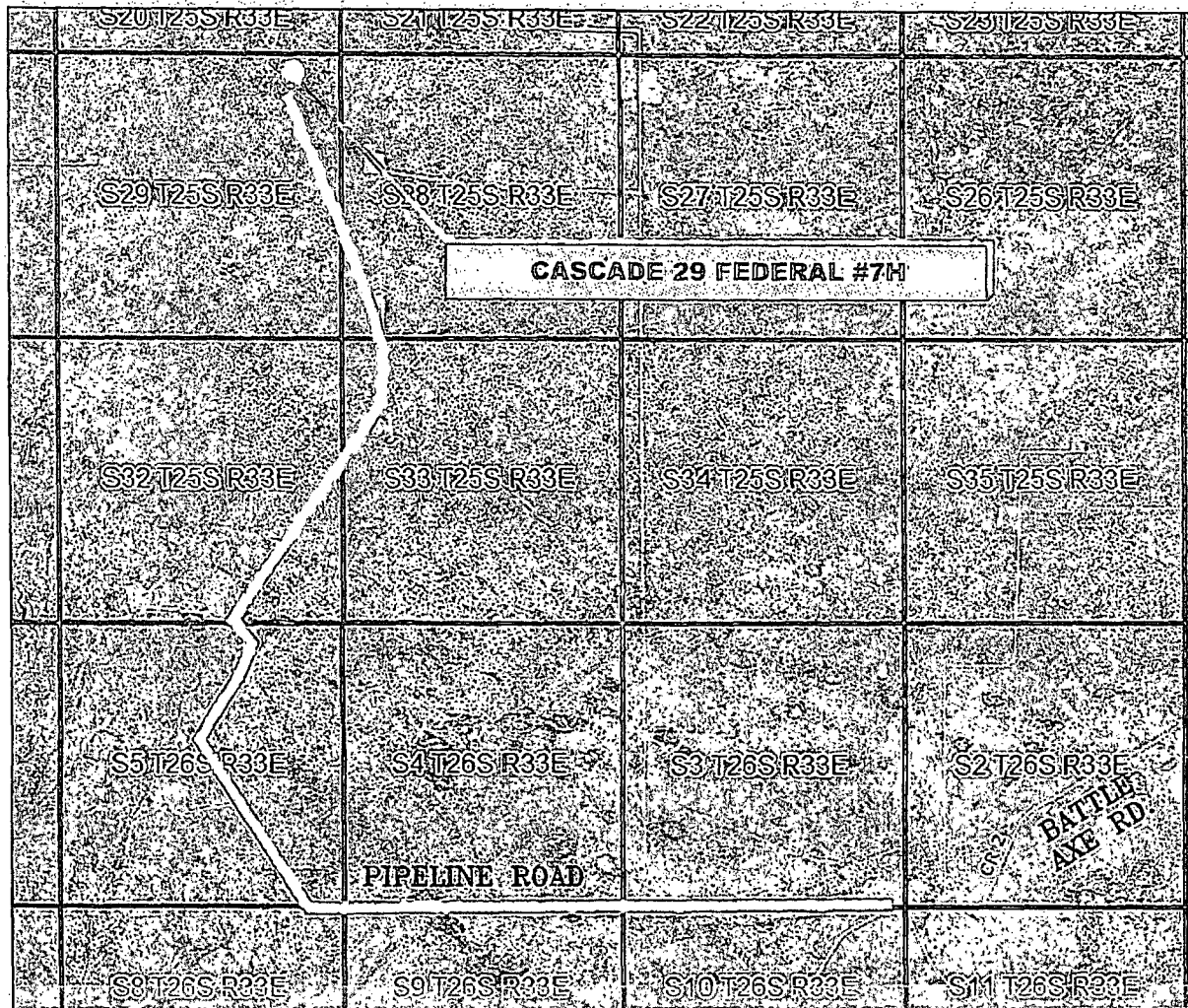
2251 Double Creek Drive, Suite 602, Round Rock, Texas 78664

© (512) 992-2087 f (512) 251-2518

SCALE: 1" = 100'
DATE: 2-6-14
SURVEYED BY: GB/IE
DRAWN BY: JF
APPROVED BY: LWB
SHEET : 1 OF 1

VICINITY MAP

NOT TO SCALE



SECTION 29, TWP. 25 SOUTH, RGE. 33 EAST,
N. M. P. M., LEA COUNTY, NEW MEXICO

OPERATOR: Cimarex Energy Company
LEASE: Cascade 29 Federal
WELL NO.: 7H

LOCATION: 340' FNL & 864' FEL
ELEVATION: 3396'

Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.: LS140077		
DWG. NO.: 140077VM		

PROSPERITY CONSULTANTS, LLC

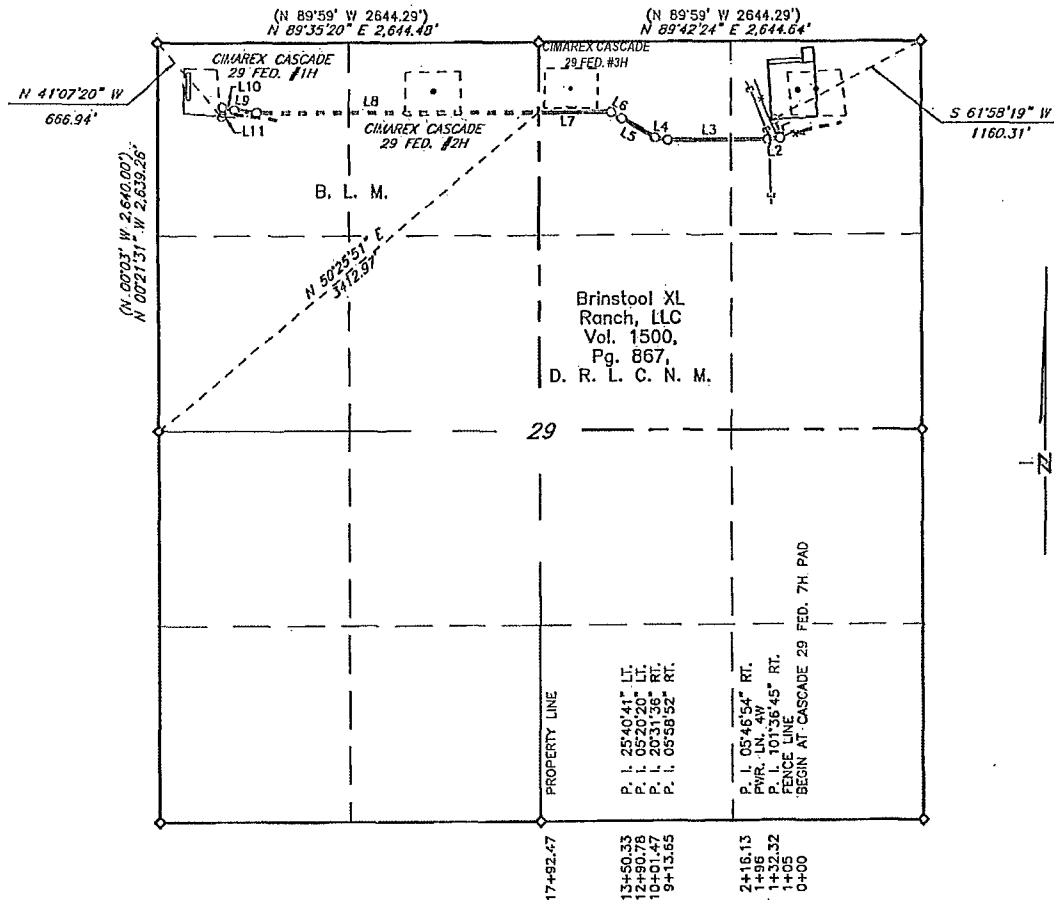


308 W. Broadway St., Hobbs, NM 88240 | Firm No. TX 10193838 NM 4655451 | (575) 964-8200

SCALE: NONE
DATE: 2/6/14
SURVEYED BY: GB/IE
DRAWN BY: LWB
APPROVED BY: LWB
SHEET : 1 OF 1

CIMAREX ENERGY COMPANY

Gas Lift Line from Cascade 29 Fed. #7H to Cascade 29 Fed. #1H
Sec. 29, T25S, R33E, N.M.P.M., Lea Co., N.M.



LINE DATA		
NO.	BEARING	DISTANCE
1	S 17°50'31" E	132.32'
2	S 83°46'14" W	83.83'
3	S 89°33'08" W	697.52'
4	N 79°28'00" W	87.82'
5	N 58°56'24" W	289.31'
6	N 64°38'26" W	59.55'
7	S 89°40'53" W	442.14'
8	S 89°40'53" W	2006.11'
9	N 83°42'08" W	161.57'
10	N 77°08'49" W	85.70'
11	S 04°59'39" W	63.43'

SCALE: 1" = 1000'
0 500 1000

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

() RECORD DATA

◇ FOUND BRASS CAP "1913"

D.R.L.C.N.M. DEED RECORDS OF LEA CO., NM

I, Larry W. 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 W. Busby NM PS 11398



Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.:	LS140077	
DWG. NO.:	140077GL1	

PROSPERITY CONSULTANTS, LLC



308 W. Broadway St., Hobbs, NM 88240 | Firm No.: TX 10193838 NM 4655451 | (575) 964-8200

SCALE: 1" = 1000'
DATE: 2/16/14
SURVEYED BY: GB/IE
DRAWN BY: LWB
APPROVED BY: LWB
SHEET: 1 OF 4

CIMAREX ENERGY COMPANY

Gas Lift Line from Cascade 29 Fed. #7H to Cascade 29 Fed. #1H
Sec. 29, T25S, R33E, N.M.P.M., Lea Co., N.M.

DESCRIPTION

A strip of land 30 feet in width and 1,792.47 feet or 108.635 rods in length situated within the Northeast quarter of Section 29, Township 25 South, Range 33 East, N. M. P. M., Lea County, New Mexico and being 15 feet left and 15 feet right of the following described survey of centerline across the land of Brinstool XL Ranch, LLC according to a deed filed for record in Volume 1500 at Page 867 of the Deed Records of Lea County, New Mexico:

Beginning at Engr. Sta. 0+00, a point which lies S 61°58'19" W, 1,160.31 feet from a brass cap, stamped "1913", found for the Northeast corner of the aforementioned Section 29;

Thence S 17°50'31" E, 132.32 feet to Engr. Sta. 1+32.32, a P. I. of 101°36'45" right;

Thence S 83°46'14" W, 83.83 feet to Engr. Sta. 2+16.13, a P. I. of 05°46'54" right;

Thence S 89°33'08" W, 697.52 feet to Engr. Sta. 9+13.65, a P. I. of 05°58'42" right;

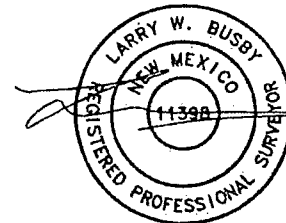
Thence N 79°28'00" W, 87.82 feet to Engr. Sta. 10+01.47, a P. I. of 20°31'36" right;

Thence N 58°56'24" W, 289.31 feet to Engr. Sta. 12+90.78, a P. I. of 05°20'20" left;

Thence N 64°38'26" W, 59.55 feet to Engr. Sta. 13+50.33, a P. I. of 25°40'41" left;

Thence S 89°40'53" W, 442.14 feet to Engr. Sta. 17+92.47, a point on the West boundary line of the above-mentioned Brinstool XL Ranch, LLC property, which lies N 50°25'51" E, 3,412.97 feet from a brass cap, stamped "1913", found for the West quarter corner of the above-mentioned Section 29.

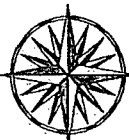
Said strip of land containing 1.234 acres, more or less, all within the Northeast quarter of the aforementioned Section 29.



Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.:	LS140077	
DWG. NO.:	140077GL2	

PROSPERITY CONSULTANTS, LLC



308 W. Broadway St., Hobbs, NM 88240 | Firm No.: TX 10193838 NM 4655451 | (575) 964-8200

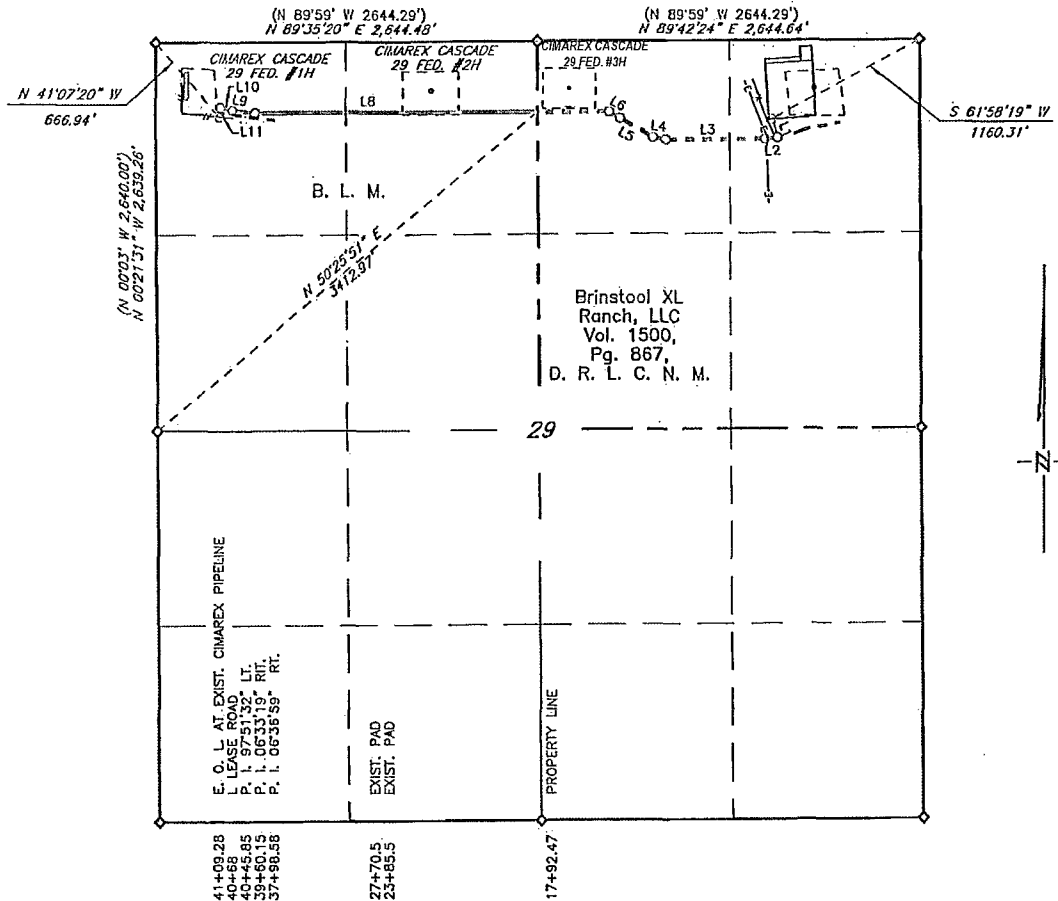
SCALE:	1" = 1000'
DATE:	2/16/14
SURVEYED BY:	GB/IE
DRAWN BY:	LWB
APPROVED BY:	LWB
SHEET :	2 OF 4

Exhibit G

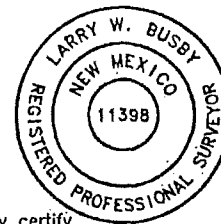
CIMAREX ENERGY COMPANY

Gas Lift Line from Cascade 29 Fed. #7H to Cascade 29 Fed. #1H

Sec. 29, T25S, R33E, N.M.P.M., Lea Co., N.M.



LINE DATA		
NO.	BEARING	DISTANCE
1	S 17°50'31" E	132.32'
2	S 83°46'14" W	83.83'
3	S 89°33'08" W	697.52'
4	N 79°28'00" W	87.82'
5	N 58°56'24" W	289.31'
6	N 64°38'26" W	59.55'
7	S 89°40'53" W	442.14'
8	S 89°40'53" W	2006.11'
9	N 83°42'08" W	161.57'
10	N 77°08'49" W	85.70'
11	S 04°59'39" W	63.43'



SCALE: 1" = 1000'

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

LEGEND

() RECORD DATA

◇ FOUND BRASS CAP "1913"

D.R.L.C.N.M. DEED RECORDS OF LEA CO., NM

I, Larry W. 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 W. Busby NM PS 11398

Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.:	LS140077	
DWG. NO.:	140077GL3	

PROSPERITY CONSULTANTS, LLC



308 W. Broadway St., Hobbs, NM 88240 | Firm No.: TX 10193838 NM 4655451 | (575) 964-8200

SCALE: 1" = 1000'

DATE: 2/16/14

SURVEYED BY: GB/IE

DRAWN BY: LWB

APPROVED BY: LWB

SHEET : 3 OF 4

Exhibit G

CIMAREX ENERGY COMPANY

Gas Lift Line from Cascade 29 Fed. #7H to Cascade 29 Fed. #1H
Sec. 29, T25S, R33E, N.M.P.M., Lea Co., N.M.

DESCRIPTION

A strip of land 30 feet in width and 2,316.81 feet or 140.413 rods in length situated within the Northwest quarter of Section 29, Township 25 South, Range 33 East, N. M. P. M., Lea County, New Mexico and being 15 feet left and 15 feet right of the following described survey of centerline across B. L. M. land:

Beginning at Engr. Sta. 17+92.47, a point which lies N 50°25'51" E, 3,412.97 feet from a brass cap, stamped "1913", found for the West quarter corner of the above-mentioned Section 29.

Thence S 89°40'53" W, 2,006.11 feet to Engr. Sta. 37+98.58, a P. I. of 06°36'59" right;

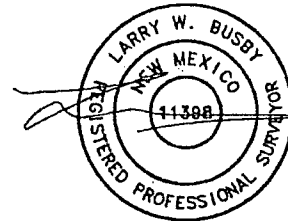
Thence N 83°42'08" W, 161.57 feet to Engr. Sta. 39+60.15, a P. I. of 06°33'19" right;

Thence N 77°08'49" W, 85.70 feet to Engr. Sta. 40+45.85, a P. I. of 97°51'32" left;

Thence S 04°59'39" W, 63.43 feet to Engr. Sta. 41+09.28, the end of the survey and a point from which a brass cap, stamped "1913", found for the Northwest corner of the above-mentioned Section 29 bears N 41°07'20" W, 666.94 feet.

Said strip of land containing 1.596 acres, more or less, and is allocated by forties as follow:

NE 1/4 NW 1/4 0.865 Ac. NW 1/4 NW 1/4 0.731 Ac.



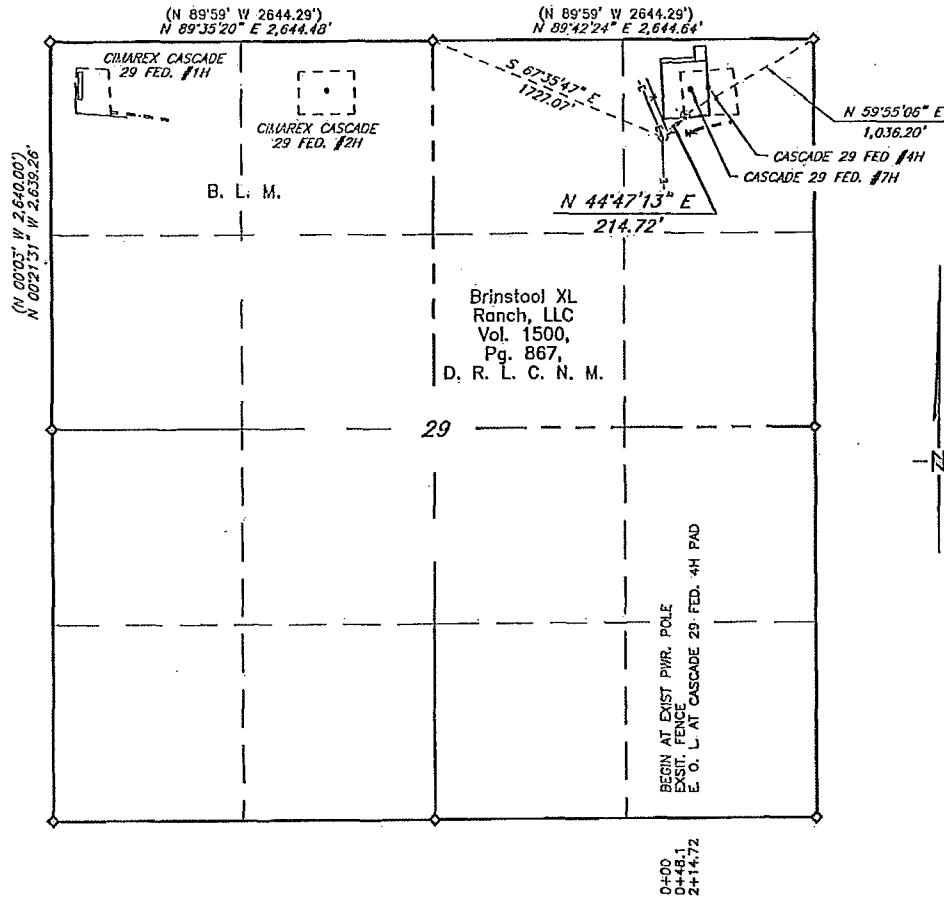
Copyright 2013 - All Rights Reserved

			PROSPERITY CONSULTANTS, LLC		SCALE: 1" = 1000'
					DATE: 2/16/14
			SURVEYED BY: GB/IE		
			DRAWN BY: LWB		
			APPROVED BY: LWB		
			SHEET : 4 OF 4		
NO.	REVISION	DATE	308 W. Broadway St., Hobbs, NM 88240 Firm No.: TX 10193838 NM 4655451 (575) 964-8200		
JOB NO.: LS140077					
DWG. NO.: 140077GL4					

CIMAREX ENERGY COMPANY

Proposed Electric Line to the Cascade 29 Fed. #7H

Sec. 29, T25S, R33E, N.M.P.M., Lea Co., N.M.



SCALE: 1" = 1000'
0 500 1000

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

LEGEND

() RECORD DATA

◆ FOUND BRASS CAP "1913"

D.R.L.C.N.M. DEED RECORDS OF LEA CO., NM

I, Larry W. 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 W. Busby NM PS 11398



Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.:	LS140077	
DWG. NO.:	140077PWR1	

PROSPERITY CONSULTANTS, LLC



308 W. Broadway St., Hobbs, NM 88240 | Firm No.: TX 10193838 NM 4655451 | (575) 964-8200

SCALE: 1" = 1000'
DATE: 2/16/14
SURVEYED BY: GB/IE
DRAWN BY: LWB
APPROVED BY: LWB
SHEET : 1 OF 2

Exhibit H

CIMAREX ENERGY COMPANY

Proposed Electric Line to the Cascade 29 Fed. #7H

Sec. 29, T25S, R33E, N.M.P.M., Lea Co., N.M.

DESCRIPTION

A strip of land 30 feet in width and 214.72 feet or 13.013 rods in length situated within the Northeast quarter of Section 29, Township 25 South, Range 33 East, N. M. P. M., Lea County, New Mexico and being 15 feet left and 15 feet right of the following described survey of centerline across the land of Brinstool XL Ranch, LLC according to a deed filed for record in Volume 1500 at Page 867 of the Deed Records of Lea County, New Mexico:

Beginning at Engr. Sta. 0+00, a point which lies S 67°35'47" E, 1,727.07 feet from a brass cap, stamped "1913", found for the North quarter corner of the aforementioned Section 29;

Thence N 44°47'13" E 214.72 feet to Engr. Sta. 2+14.72, the end of the survey and a point from which a brass cap, stamped "1913", found for the Northeast corner of the above-mentioned Section 29 bears N 59°55'06" E, 1,036.20 feet.

Said strip of land containing 0.148 acre, more or less, all within the Northeast quarter of the Northeast quarter of the aforementioned Section 29.

SCALE: 1" = 1000'
0 500 1000

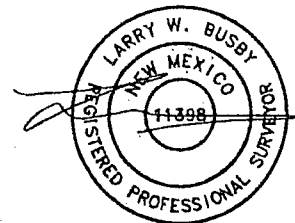
BEARINGS: GRID NAD 83-NM EAST
DISTANCES: HORIZ. GROUND

LEGEND

() RECORD DATA

◆ FOUND BRASS CAP "1913"

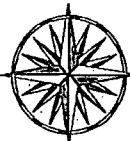
D.R.L.C.N.M. DEED RECORDS OF LEA CO., NM



Copyright 2013 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.:	LS140077	
DWG. NO.:	140077PWR1	

PROSPERITY CONSULTANTS, LLC



308 W. Broadway St., Hobbs, NM 88240 | Firm No.: TX 10193838 NM 4655451 | (575) 964-8200

SCALE: 1" = 1000'
DATE: 2/16/14
SURVEYED BY: GB/IE
DRAWN BY: LWB
APPROVED BY: LWB
SHEET : 1 OF 2

Exhibit H