

District I  
1625 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) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources  
Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED

29 2019  
DISTRICT II-ARTESIA O.C.D.

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-46000		<sup>2</sup> Pool Code 3713		<sup>3</sup> Pool Name Avalon: Bone Spring East	
<sup>4</sup> Property Code 326053		<sup>5</sup> Property Name LEATHERNECK 3029 FED COM ✓			<sup>6</sup> Well Number 125H
<sup>7</sup> OGRID No. 228937		<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY			<sup>9</sup> Elevation 3240'

<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	30	20-S	29-E	-	1570'	NORTH	236'	WEST	EDDY

<sup>11</sup>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	29	20-S	29-E	-	989'	NORTH	60'	EAST	EDDY

<sup>12</sup> Dedicated Acres 316.34	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup> <b>FIRST PERFORATION POINT</b> NEW MEXICO EAST NAD 1927 X=565211 Y=563471 LAT.: N 32.5489129 LONG.: W 104.1217018 NAD 1983 X=606391 Y=563533 LAT.: N 32.5490312 LONG.: W 104.1222065		<b>BOTTOM HOLE LOCATION</b> NEW MEXICO EAST NAD 1927 X=575503 Y=563466 LAT.: N 32.5488373 LONG.: W 104.0883018 NAD 1983 X=616683 Y=563527 LAT.: N 32.5489560 LONG.: W 104.0888055		<sup>17</sup> <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 undivided mineral interest in the land underlying 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: <i>Cade LaBolt</i> Date: 5/23/19 Printed Name: Cade LaBolt E-mail Address: cade.labolt@matadorresources.com	
<b>SURFACE LOCATION</b> NEW MEXICO EAST NAD 1927 X=565342 Y=562887 LAT.: N 32.5473059 LONG.: W 104.1212814 NAD 1983 X=606522 Y=562948 LAT.: N 32.5474242 LONG.: W 104.1217861		<b>LAST PERFORATION POINT</b> NEW MEXICO EAST NAD 1927 X=575463 Y=563466 LAT.: N 32.5488376 LONG.: W 104.0884316 NAD 1983 X=616643 Y=563527 LAT.: N 32.5489563 LONG.: W 104.0889354		<sup>18</sup> <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 to the best of my belief.  Date of Survey: 04/30/2019 Signature and Seal of Professional Surveyor: <i>ANGEL M. BAEZA</i> Certificate Number: 25418	

RUP 8-22-19

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WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>LEATHERNECK 3029 FED COM</b>	
<sup>6</sup> Well Number <b>125H</b>	<sup>7</sup> Operator Name <b>MATADOR PRODUCTION COMPANY</b>	
<sup>8</sup> OGRID No.	<sup>9</sup> Elevation <b>3240'</b>	

<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>2</b>	<b>30</b>	<b>20-S</b>	<b>29-E</b>	<b>-</b>	<b>1570'</b>	<b>NORTH</b>	<b>236'</b>	<b>WEST</b>	<b>EDDY</b>

<sup>11</sup>Bottom Hole Location If Different From Surface

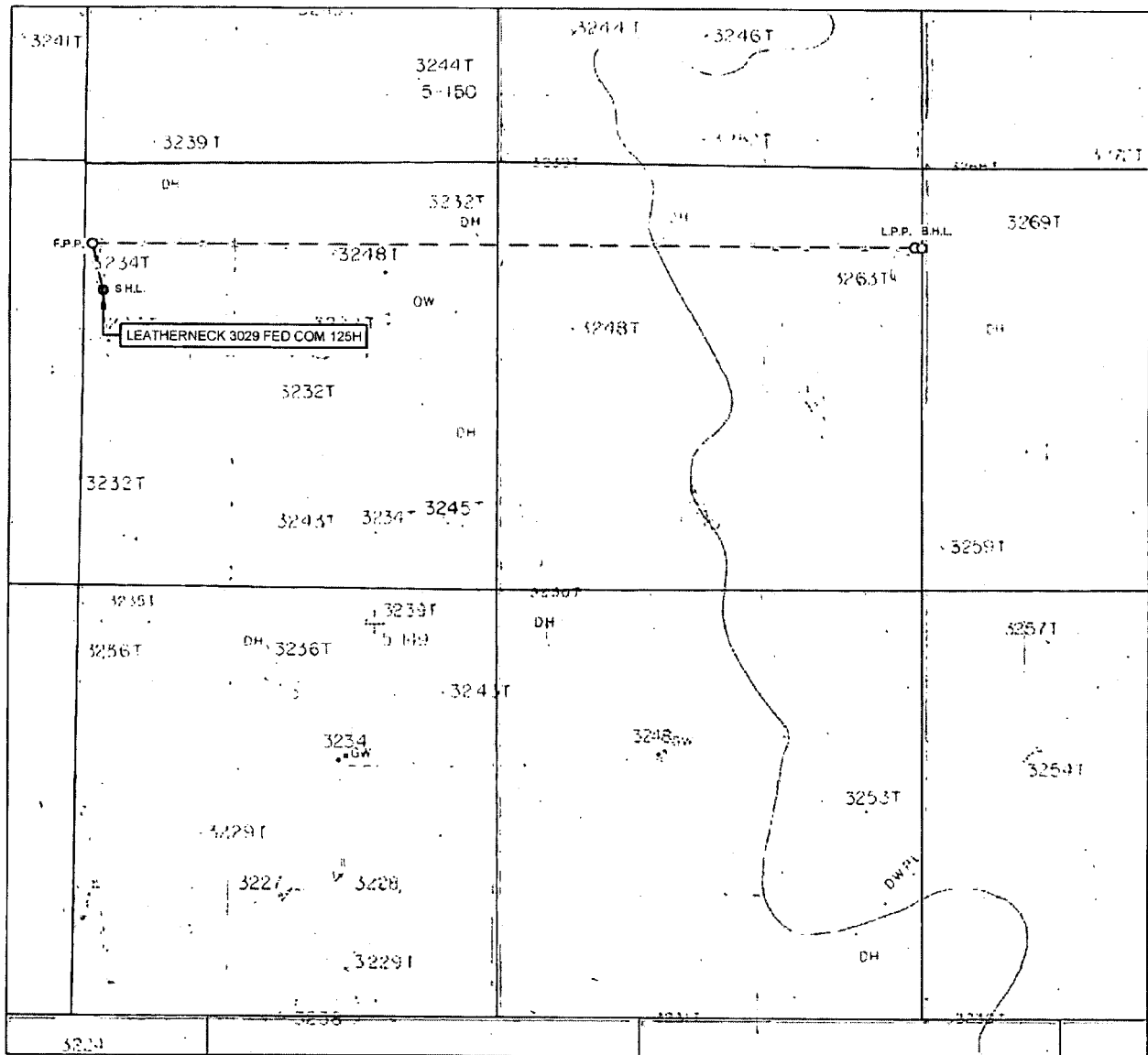
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>A</b>	<b>29</b>	<b>20-S</b>	<b>29-E</b>	<b>-</b>	<b>989'</b>	<b>NORTH</b>	<b>60'</b>	<b>EAST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres <b>316.34</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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><b>FIRST PERFORATION POINT</b> NEW MEXICO EAST NAD 1927 X=565211 Y=563471 LAT.: N 32.5489129 LONG.: W 104.1217018 NAD 1983 X=606391 Y=563533 LAT.: N 32.5490312 LONG.: W 104.1222065</p>	<p><b>BOTTOM HOLE LOCATION</b> NEW MEXICO EAST NAD 1927 X=575503 Y=563466 LAT.: N 32.5488373 LONG.: W 104.0883018 NAD 1983 X=616683 Y=563527 LAT.: N 32.5489560 LONG.: W 104.0888055</p>	<p><b>17 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 undivided 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>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
<p><b>SURFACE LOCATION</b> NEW MEXICO EAST NAD 1927 X=565342 Y=562887 LAT.: N 32.5473059 LONG.: W 104.1212814 NAD 1983 X=606522 Y=562948 LAT.: N 32.5474242 LONG.: W 104.1217861</p>	<p><b>LAST PERFORATION POINT</b> NEW MEXICO EAST NAD 1927 X=575463 Y=563466 LAT.: N 32.5488376 LONG.: W 104.0884316 NAD 1983 X=616643 Y=563527 LAT.: N 32.5489563 LONG.: W 104.0889354</p>	<p><b>18 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 to the best of my belief.</p> <p>04/30/2019 Date of Survey _____ Signature and Seal _____ ANGEL M. BAEZA NEW MEXICO PROFESSIONAL SURVEYOR 26118 Certificate Number _____</p>

# LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 125H

SECTION 30 TWP 20-S RGE 29-E SURVEY N.M.P.M.  
 COUNTY EDDY STATE NM ELEVATION 3240'  
 DESCRIPTION 1570' FNL & 236' FWL

LATITUDE N 32.5474242 LONGITUDE W 104.1217861



SCALE: 1" = 2000'  
 0' 1000' 2000'

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

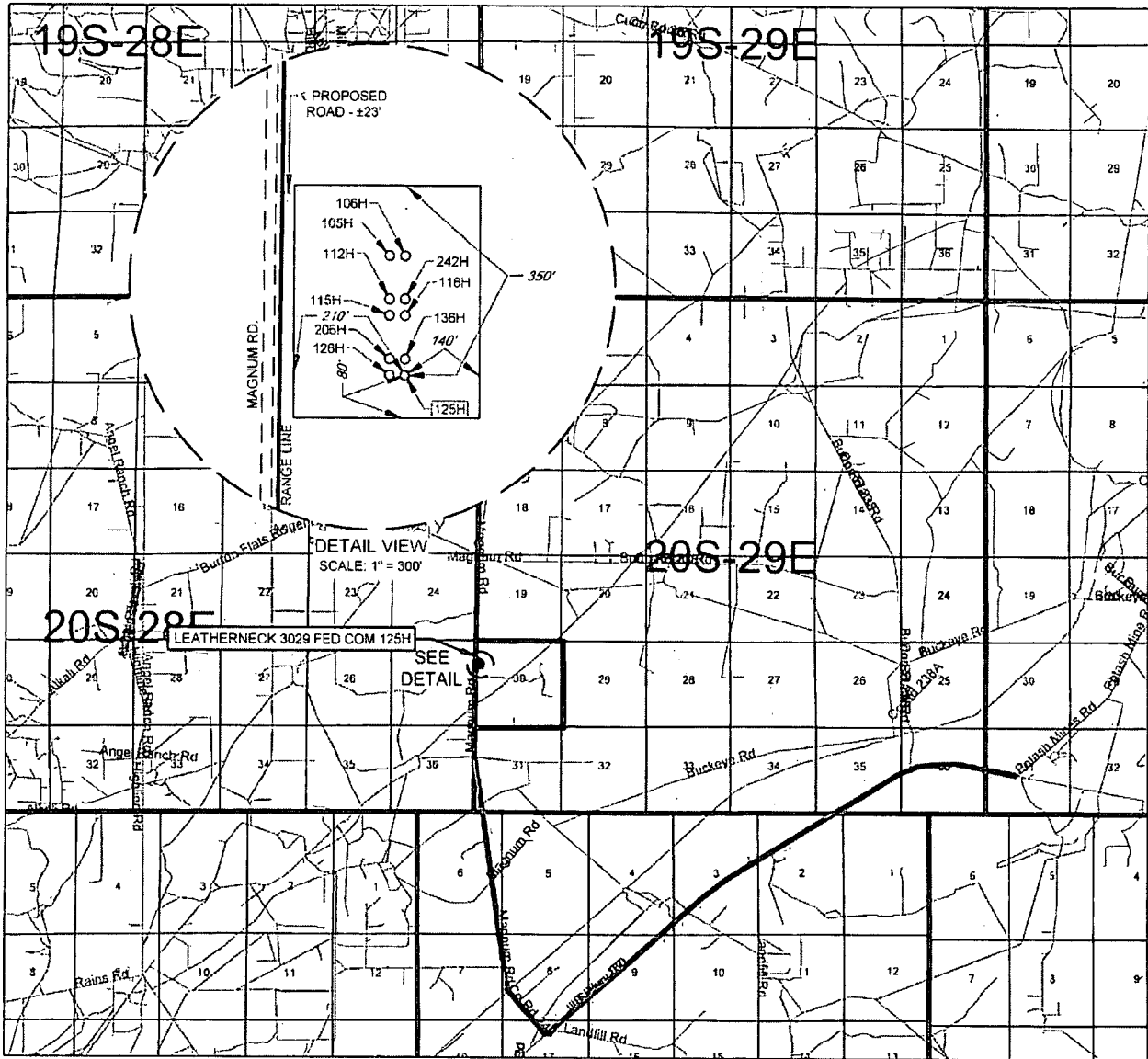
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
 TELEPHONE: (432) 682-1053 OR (800) 767-1653 • FAX (432) 682-1743  
 WWW.TOPOGRAPHIC.COM

# VICINITY MAP



LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 125H

SECTION 30 TWP 20-S RGE 29-E SURVEY N.M.P.M.  
 COUNTY EDDY STATE NM  
 DESCRIPTION 1570' FNL & 236' FWL

## DISTANCE & DIRECTION

FROM INT. OF NM-360 & US-180/US-62 GO WEST ON US-180/US-62 ±6.8  
MILES, THENCE NORTH (RIGHT) ON MAGNUM RD. ±4.7 MILES, THENCE  
EAST (RIGHT) ON PROPOSED RD. ±23 FEET TO A POINT ±395 FEET  
NORTHWEST OF THE LOCATION.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



SCALE: 1" = 1000'  
 0' 5000' 10000'



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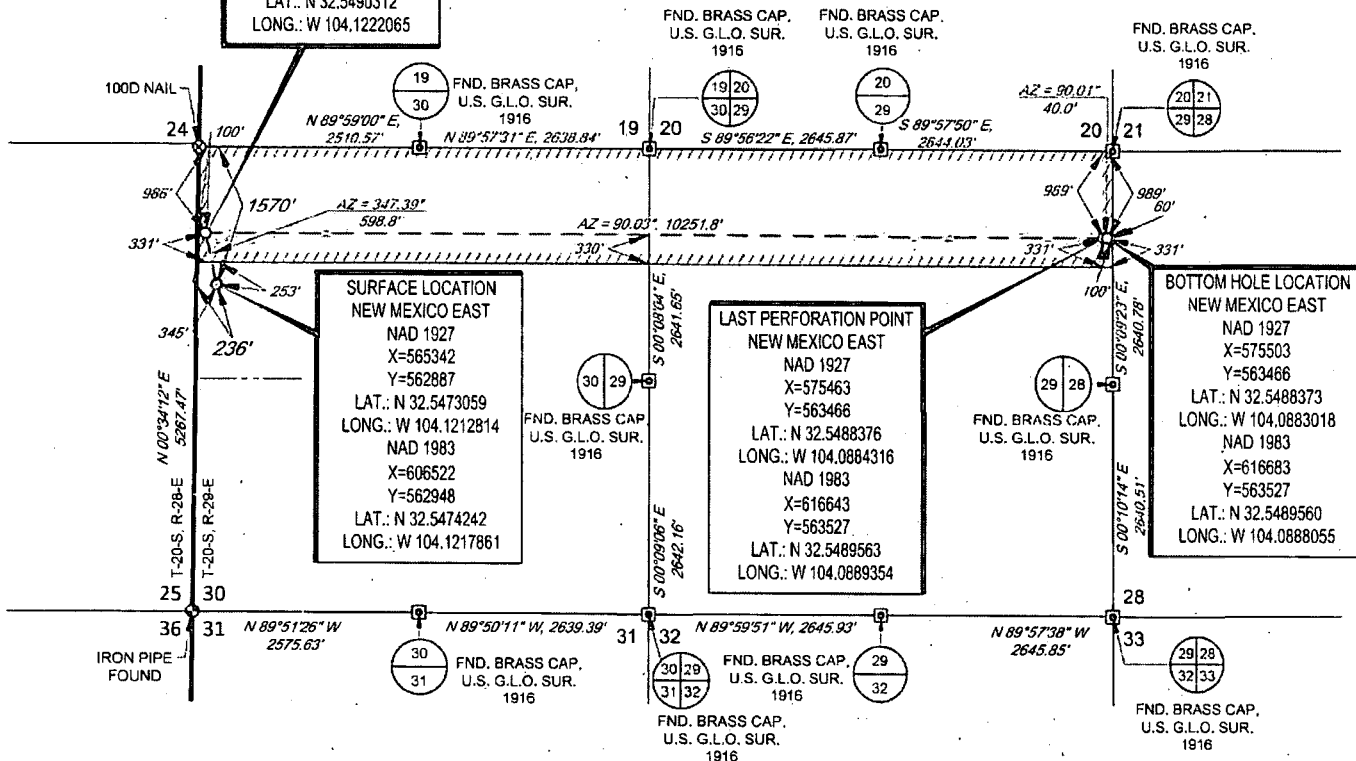
SCALE: 1" = 2000'  
0' 1000' 2000'



SECTION 30, TOWNSHIP 20-S, RANGE 29-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO



FIRST PERFORATION POINT  
NEW MEXICO EAST  
NAD 1927  
X=565211  
Y=563471  
LAT.: N 32.5489129  
LONG.: W 104.1217018  
NAD 1983  
X=606391  
Y=563533  
LAT.: N 32.5490312  
LONG.: W 104.1222065

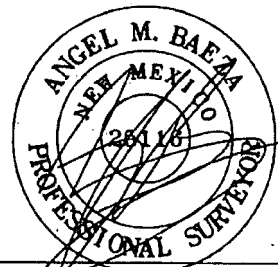


LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 125H  
SECTION 30 TWP 20-S RGE 29-E SURVEY N.M.P.M.  
COUNTY EDDY STATE NM  
DESCRIPTION 1570' FNL & 236' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-360 & US-180/US-62 GO WEST ON US-180/US-62 ±6.8  
MILES. THENCE NORTH (RIGHT) ON MAGNUM RD. ±4.7 MILES. THENCE  
EAST (RIGHT) ON PROPOSED RD. ±23 FEET TO A POINT ±395 FEET  
NORTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW  
MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET  
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY  
SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA  
PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS  
OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR  
THIS TRANSACTION ONLY.  
AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED  
LOCATION ARE SHOWN HEREON.



Angel M. Baeza, License No. 25116  
MAY 7, 2019

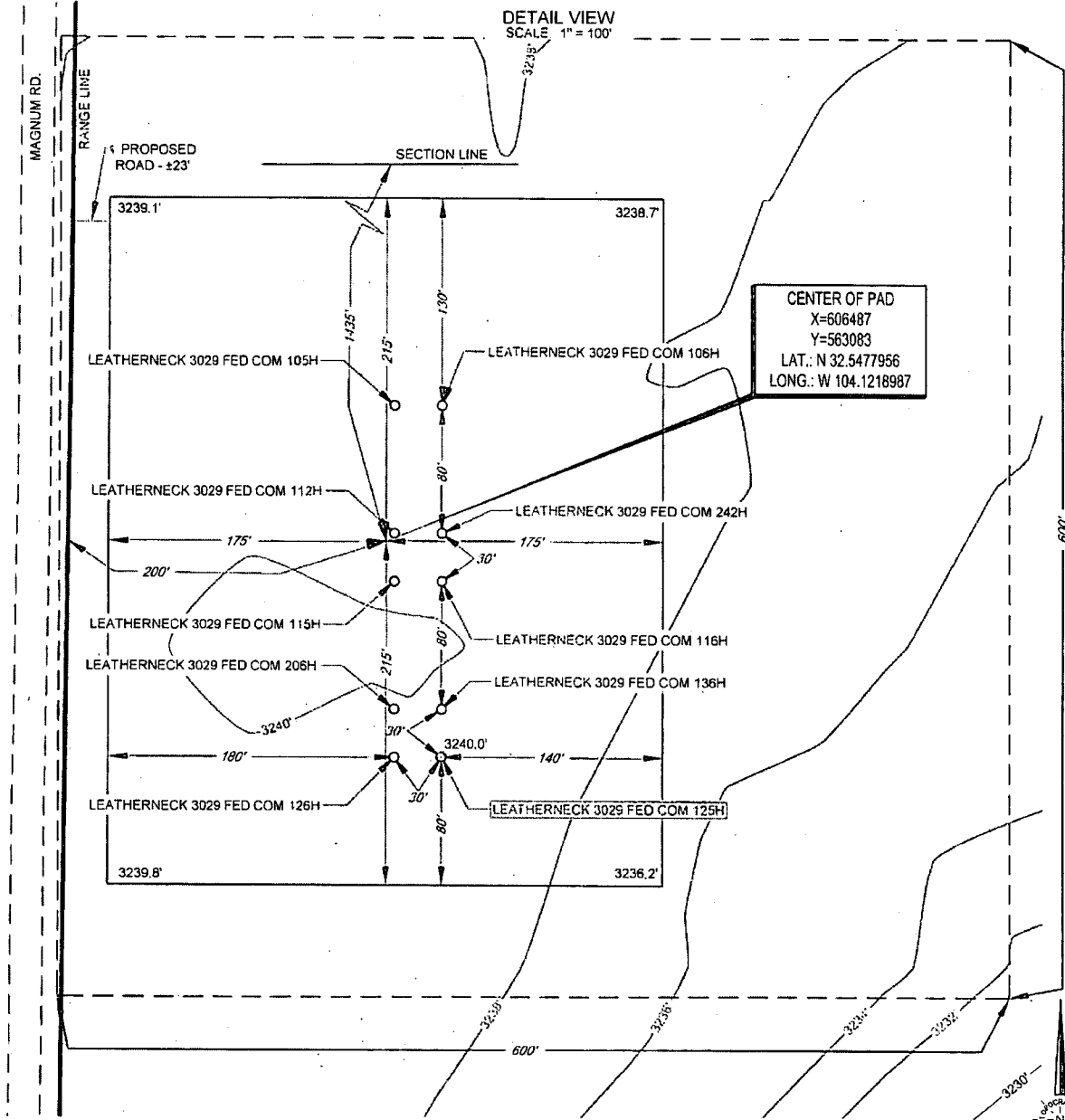


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WWW.TOPOGRAPHIC.COM



SECTION 30, TOWNSHIP 20-S, RANGE 29-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO



LEGEND

- RANGE LINE
- SECTION LINE
- PROPOSED ROAD
- == ROAD WAY

LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 125H

125H LATITUDE N 32.5474242

125H LONGITUDE W 104.1217861

CENTER OF PAD IS 1435' FNL & 200' FWL

SCALE: 1" = 100'  
0' 50' 100'

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

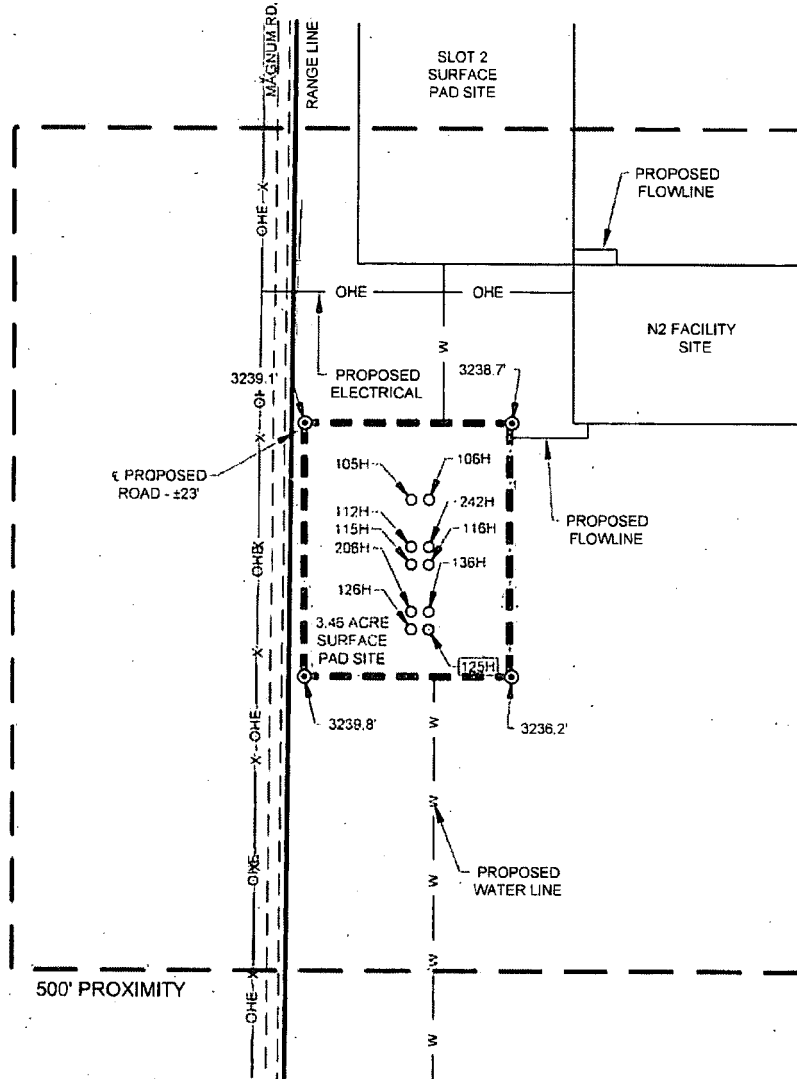


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WWW.TOPOGRAPHIC.COM

SCALE: 1" = 300'  
0' 150' 300'

SECTION 30 TOWNSHIP 20-S, RANGE 29-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO



LEGEND

- PROPOSED SITE
- 500' PROXIMITY
- TRACT BORDER
- PROPOSED ROAD
- RANGE LINE
- SIXTEENTH SECTION LINE
- OHE --- OVERHEAD ELECTRIC
- --- EXISTING PIPELINE
- X --- FENCE LINE
- --- ROAD WAY
- --- GAS
- --- PROPOSED GAS
- OHE --- PROPOSED ELECTRIC
- --- PROPOSED FLOWLINE
- W --- PROPOSED WATER
- IRON ROD SET



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Angel M. Baeza, License No. 25116  
MAY 7, 2019

LEATHERNECK 3029  
FED COM 125H  
PROXIMITY MAP

REVISION:

INT	DATE

NOTES:

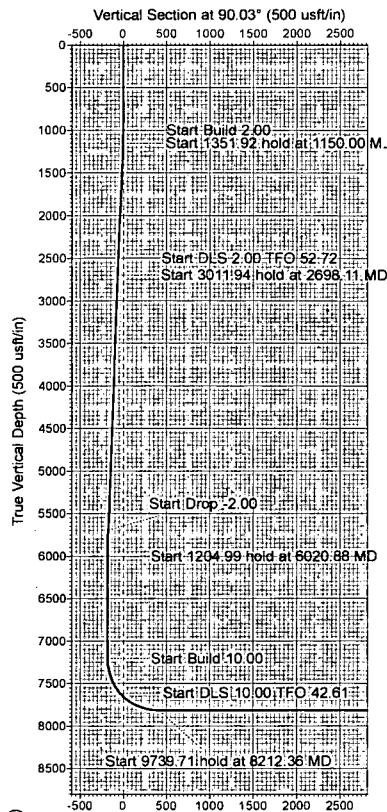
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
4. ADJOINER INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.

DATE: 05/02/19

FILE: LO\_LEATHERNECK\_3029\_FED\_COM\_125H

DRAWN BY: EAH

SHEET: 7 OF 7



Matador Resources  
Eddy County, NM (NAD27)  
Leatherneck 3029 Fed Com  
#125H  
Prelim A  
Patt 809



Azimuths to Grid North  
True North: -0.11°  
Magnetic North: 7.09°  
  
Magnetic Field  
Strength: 47977 GauT  
Dip Angle: 60.30°  
Date: 5/20/2019  
Model: HDGM

US State Plane 1927 (Exact solution)  
NAD 1927 (NADCON CONUS)  
Clarke 1866  
New Mexico East 3001  
Mean Sea Level

Azimuth Corrections

Total Magnetic Corr. (M to G): 7.09°

RKB Elevation: 3240 + 28.5 = KB @ 3268.50usft (Patt 809)

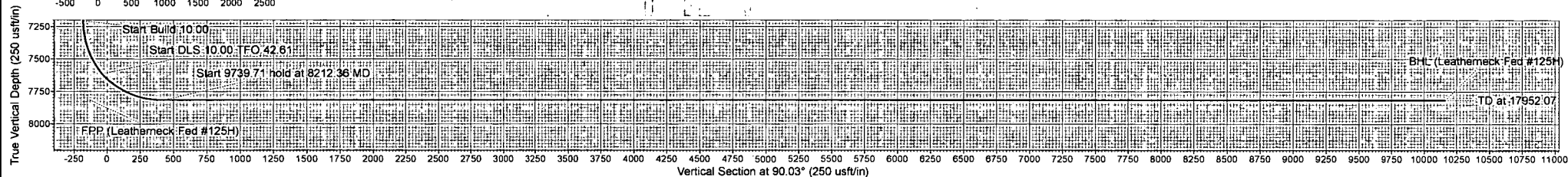
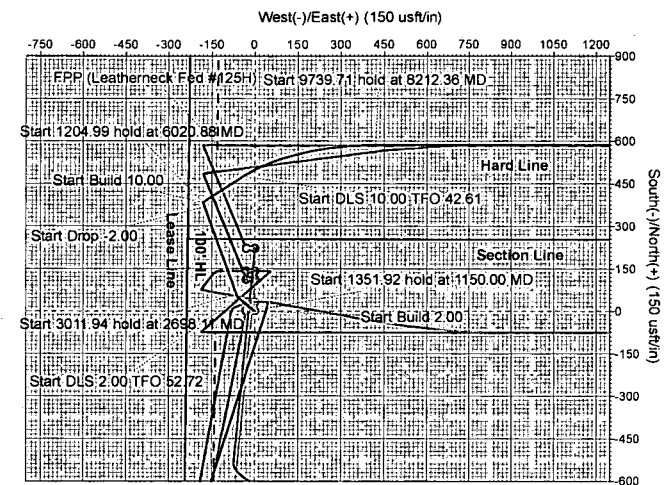
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	562887.00	565342.00	32.547306	-104.121280	

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00
3	1150.00	3.00	310.00	1149.93	2.52	-3.01	2.00	-3.01
4	2501.92	3.00	310.00	2500.00	148.00	-57.21	0.00	-57.23
5	2698.11	6.22	340.19	2695.55	161.30	-64.74	2.00	-64.78
6	5710.05	6.22	340.19	5689.78	368.15	-175.29	0.00	-175.48
7	6020.88	0.00	0.00	6000.00	384.00	-181.00	2.00	-181.20
8	7225.87	0.00	0.00	7204.99	384.00	-181.00	0.00	-181.20
9	7675.87	45.00	57.00	7610.13	475.40	-40.26	10.00	-40.51
10	8212.36	90.00	90.05	7815.00	588.75	421.29	10.00	420.99
11	17952.07	90.00	90.05	7815.00	579.00	10161.00	0.00	10160.70

#### Targets

Name	TVD	+N/-S	+E/-W	Northing	Easting
BHL (Leatherneck Fed #125H)	7815.00	579.00	10161.00	563466.00	575503.00
FPP (Leatherneck Fed #125H)	7815.00	584.00	131.00	563471.00	565211.00



Vertical Section at 90.03° (250 usft/in)

