

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

JUL 29 2019

FORM C-102

Revised August 1, 2011

DISTRICT II-ARTESIA O.C.D.
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015- 45486	² Pool Code 3713	³ Pool Name Avalon: Bone Spring East
⁴ Property Code 326053	⁵ Property Name LEATHERNECK 3029 FED COM	⁶ Well Number 136H
⁷ GRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3240'

¹⁰Surface 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	-	1540'	NORTH	236'	WEST	EDDY

¹¹Bottom 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
H	29	20-S	29-E	-	2311'	NORTH	60'	EAST	EDDY

¹² Dedicated Acres 316.84	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 61
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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.

¹⁶ SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=565342 Y=562917 LAT.: N 32.5473883 LONG.: W 104.1212812 NAD 1983 X=606522 Y=562978 LAT.: N 32.5475067 LONG.: W 104.1217858 BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=575506 Y=562144 LAT.: N 32.5452043 LONG.: W 104.0883000 NAD 1983 X=616687 Y=562206 LAT.: N 32.5453231 LONG.: W 104.0888037 FIRST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=565198 Y=562153 LAT.: N 32.5452896 LONG.: W 104.1217529 NAD 1983 X=606378 Y=562215 LAT.: N 32.5454060 LONG.: W 104.1222575 LAST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=575466 Y=562144 LAT.: N 32.5452047 LONG.: W 104.0884298 NAD 1983 X=616647 Y=562206 LAT.: N 32.5453234 LONG.: W 104.0889335	¹⁷OPERATOR 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: <u>Cade LaBolt</u> Date: 5/23/19 Printed Name: Cade LaBolt E-mail Address: cade.labolt@matadorresources.com ¹⁸SURVEYOR 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 to the best of my belief. Date of Survey: 05/30/2019 Signature of Registered Professional Surveyor: <u>[Signature]</u> Certificate Number: 25118
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RWP 8-22-19

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name LEATHERNECK 3029 FED COM	⁶ Well Number 136H
⁷ OGRID No.	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3240'

¹⁰Surface 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	-	1540'	NORTH	236'	WEST	EDDY

¹¹Bottom Hole Location If Different From Surface

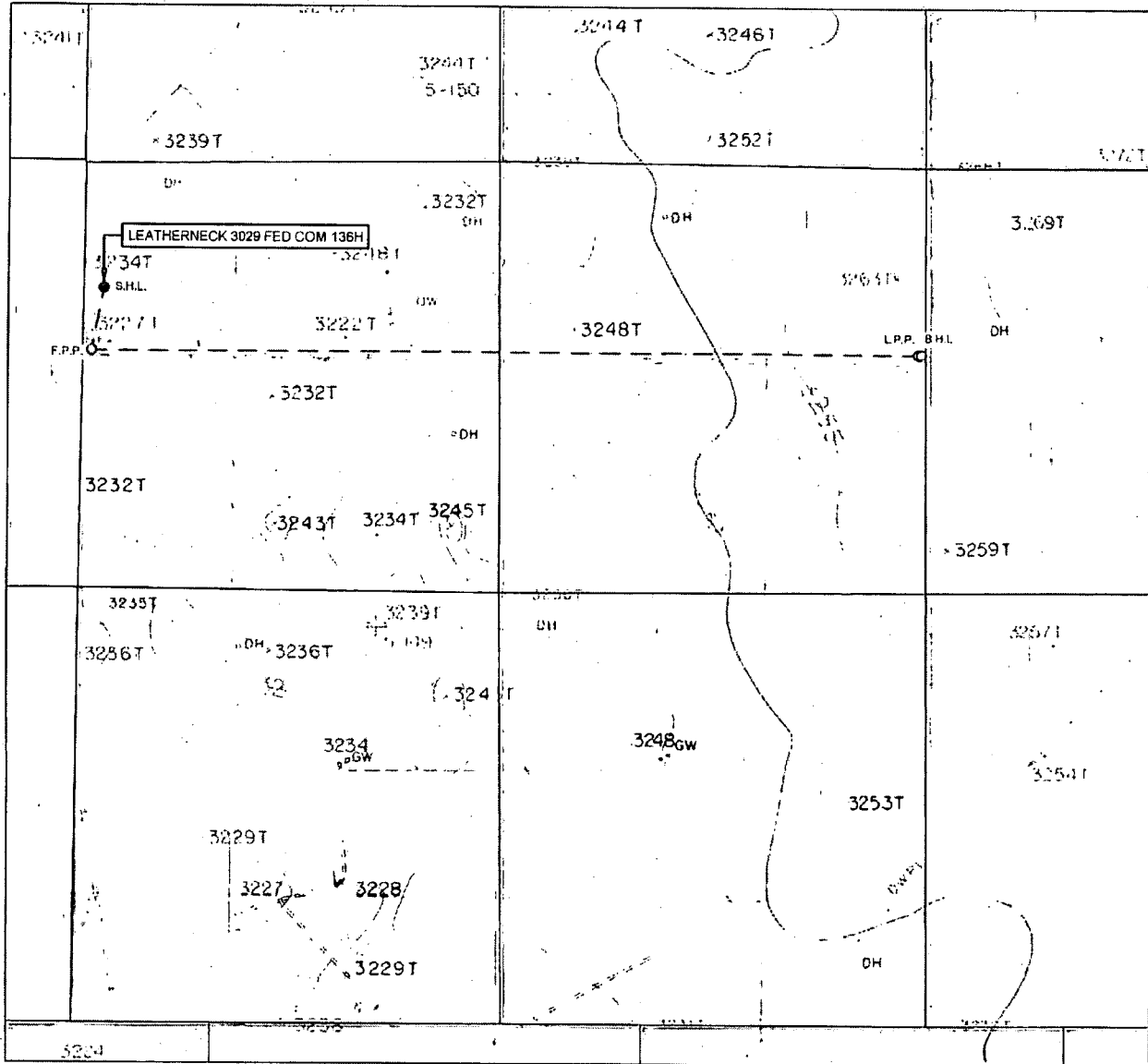
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	20-S	29-E	-	2311'	NORTH	60'	EAST	EDDY

¹² Dedicated Acres 316.84	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=565342 Y=562917 LAT.: N 32.5473883 LONG.: W 104.1212812 NAD 1983 X=606522 Y=562978 LAT.: N 32.5475067 LONG.: W 104.1217858	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=575506 Y=562144 LAT.: N 32.5452043 LONG.: W 104.0883000 NAD 1983 X=616687 Y=562206 LAT.: N 32.5453231 LONG.: W 104.0888037	17 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 _____ Date _____ Printed Name _____ E-mail Address _____
18 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 to the best of my belief. Date of Survey _____ Signature and Seal of Professional Surveyor _____ Certificate Number _____		

LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 136H

SECTION 30 TWP 20-S RGE 29-E SURVEY N.M.P.M.
 COUNTY EDDY STATE NM ELEVATION 3240'
 DESCRIPTION 1540' FNL & 236' FWL

LATITUDE N 32.5475067 LONGITUDE W 104.1217858



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.

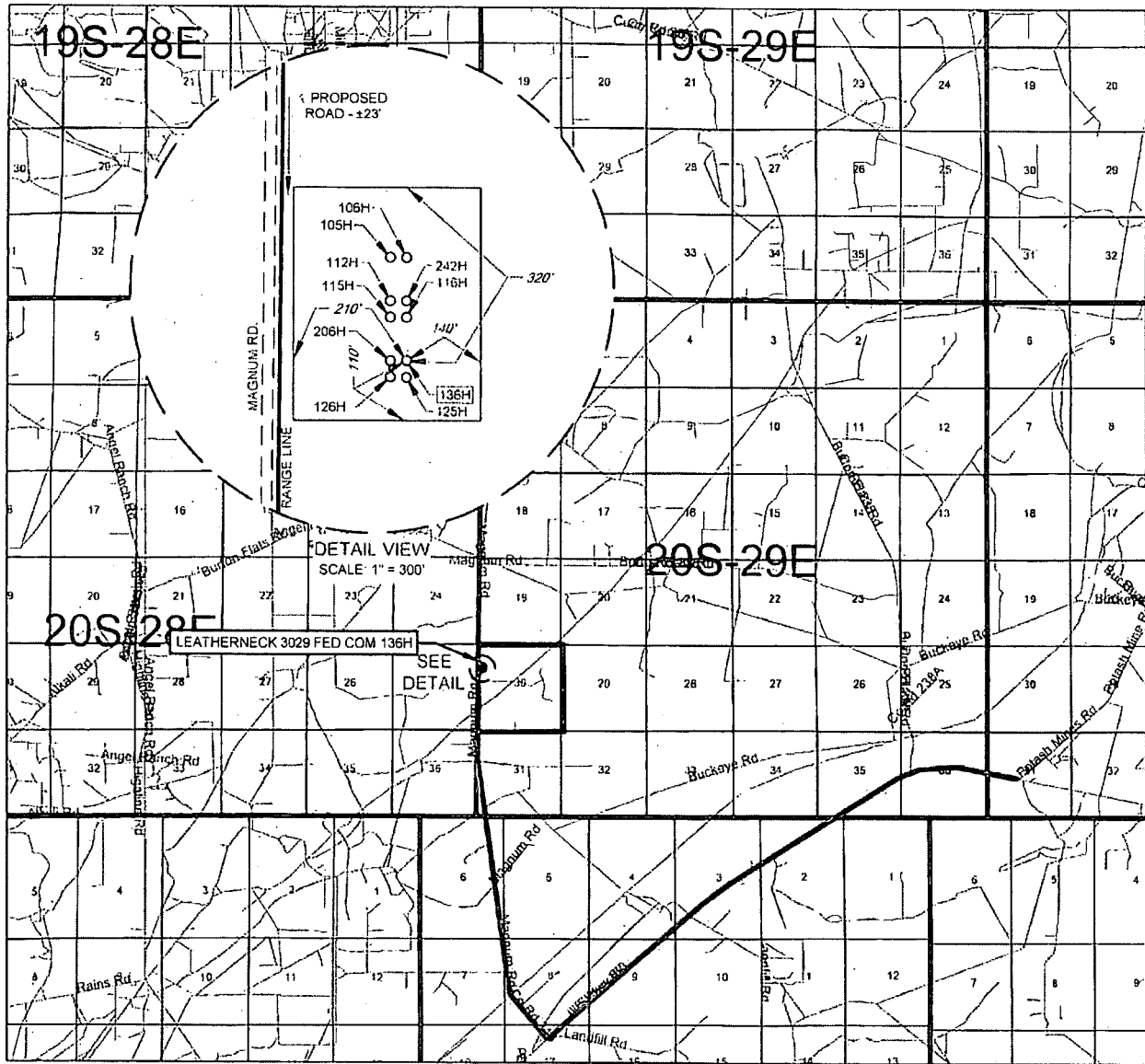
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 148 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 2803 NORTH BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
 WWW.TOPOGRAPHIC.COM

VICINITY MAP



LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 136H

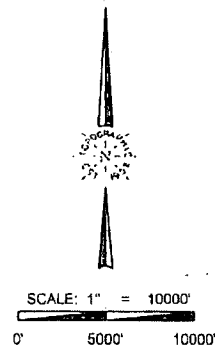
SECTION 30 TWP 20-S RGE 29-E SURVEY N.M.P.M.
 COUNTY EDDY STATE NM
 DESCRIPTION 1540' FNL & 236' FWL

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 ±370 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.

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

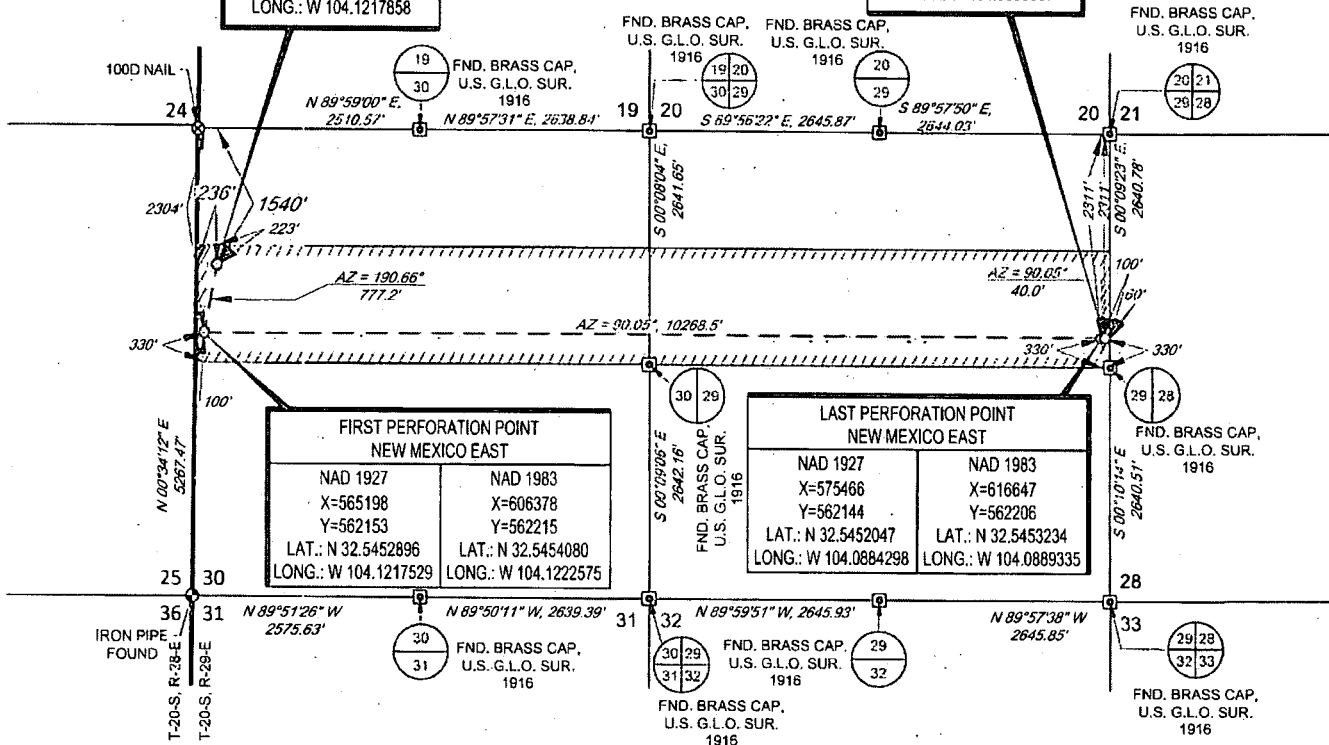


SECTION 30, TOWNSHIP 20-S, RANGE 29-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



**SURFACE LOCATION
NEW MEXICO EAST**
NAD 1927
X=565342
Y=562917
LAT.: N 32.5473883
LONG.: W 104.1212812
NAD 1983
X=606522
Y=562978
LAT.: N 32.5475067
LONG.: W 104.1217858

**BOTTOM HOLE LOCATION
NEW MEXICO EAST**
NAD 1927
X=575506
Y=562144
LAT.: N 32.5452043
LONG.: W 104.0883000
NAD 1983
X=616687
Y=562206
LAT.: N 32.5453231
LONG.: W 104.0888037



LEASE NAME & WELL NO.: LEATHERNECK 3029 FED COM 136H

SECTION 30 TWP 20-S RGE 29-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 1540' 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 ±370 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 2, 2019

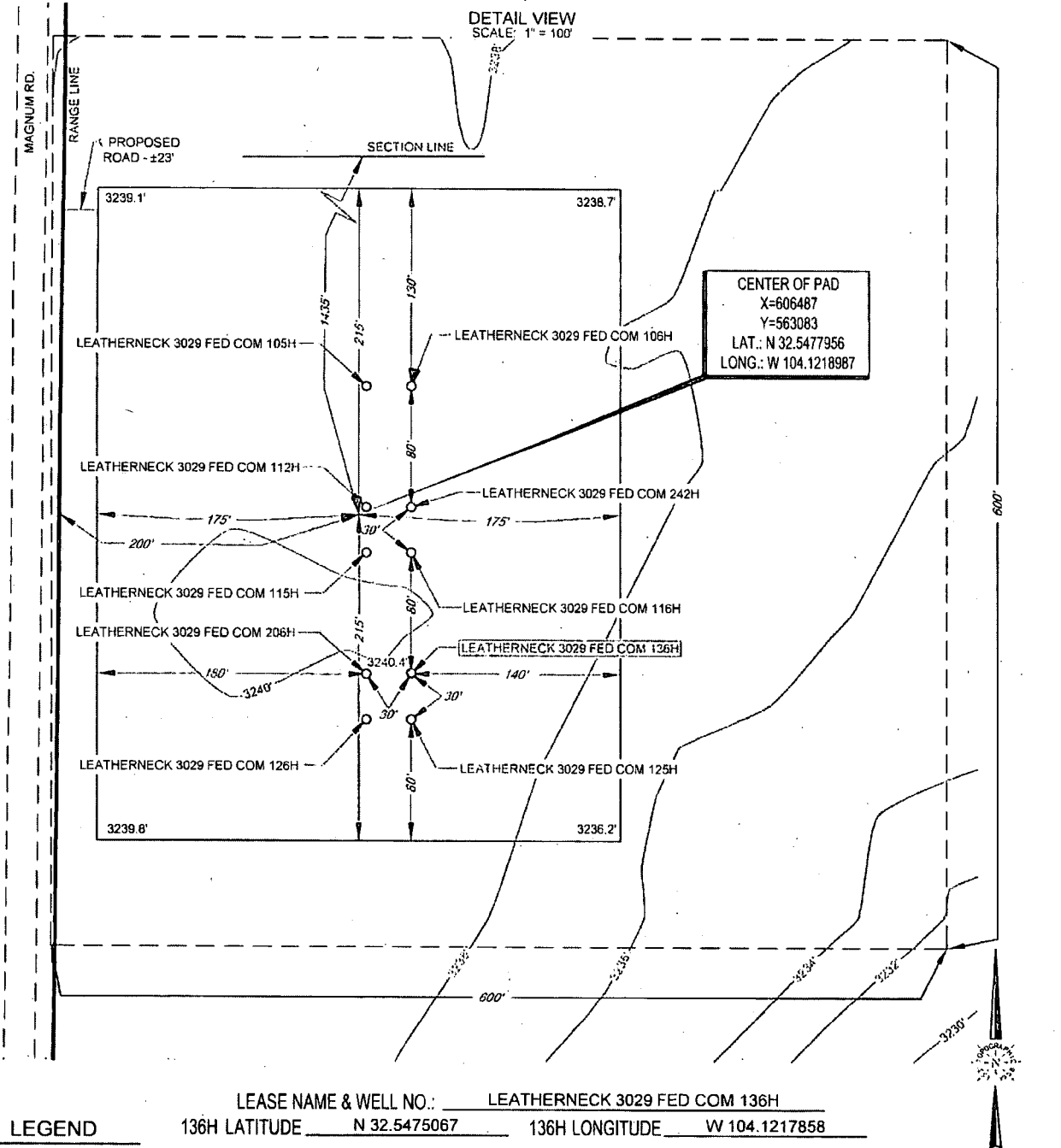


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SECTION 30, TOWNSHIP 20-S, RANGE 29-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



LEGEND

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

CENTER OF PAD IS 1435' FNL & 200' FWL

SCALE: 1" = 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"

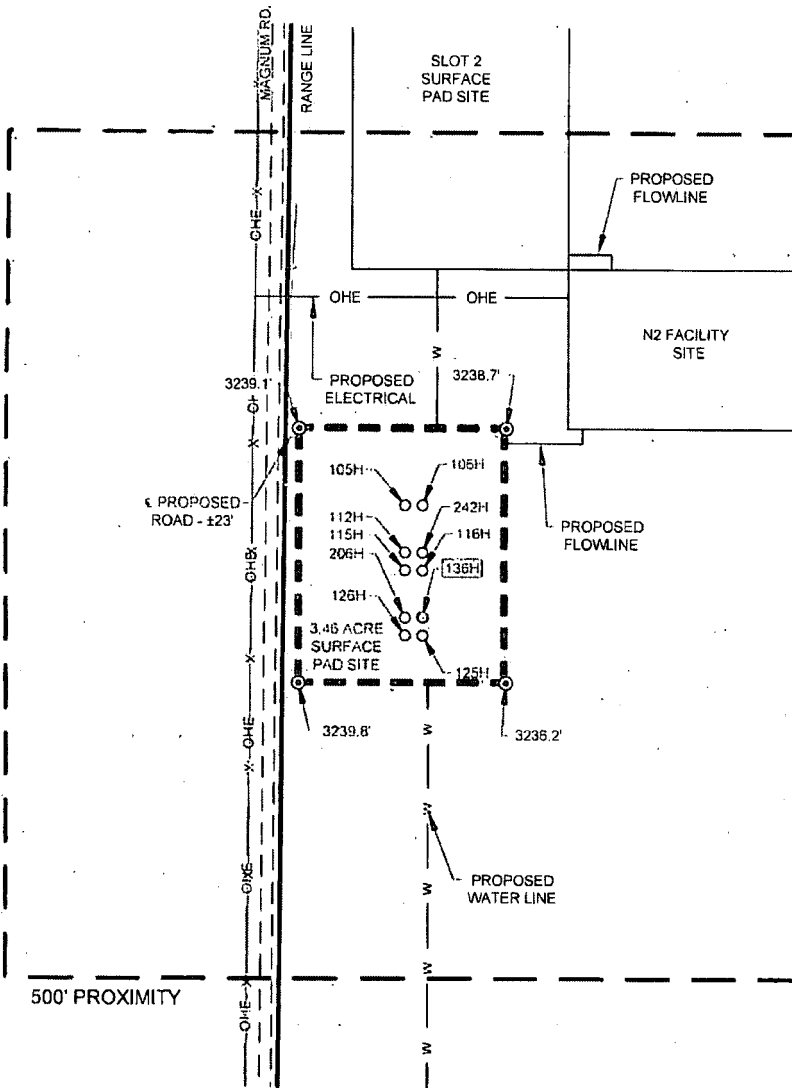


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SCALE: 1" = 300'
0' 150' 300'

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

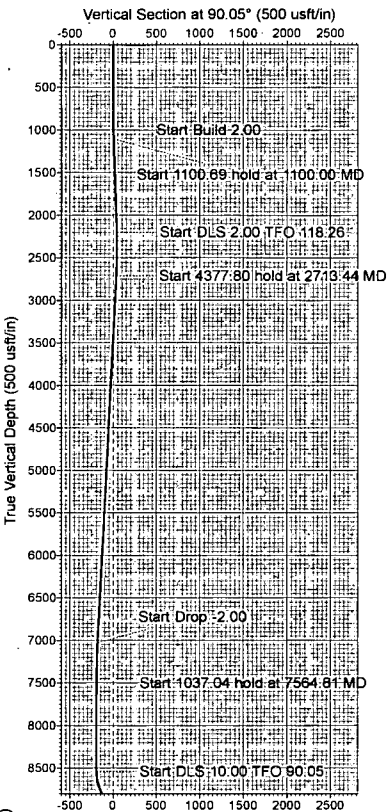


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Angel M. Baeza, License No. 25116
MAY 1, 2019

LEATHERNECK 3029 FED COM 136H PROXIMITY MAP DATE: 05/02/19 FILE: LO_LEATHERNECK_3029_FED_COM_136H DRAWN BY: EAH SHEET: 7 OF 7	REVISION:		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.
	INT	DATE	



Matador Resources
Eddy County, NM (NAD27)
Leatherneck 3029 Fed Com
#136H
Prelim A
Patt 809



Azimuths to Grid North
True North: -0.11°
Magnetic North: 7.09°

Magnetic Field
Strength: 47977.7 nT
Dip Angle: 60.30°
Date: 5/20/2019
Model: HDGM

US State Plane 1927 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1886
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)

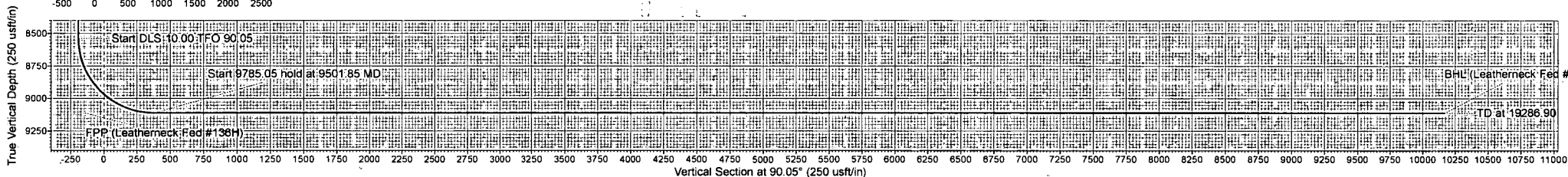
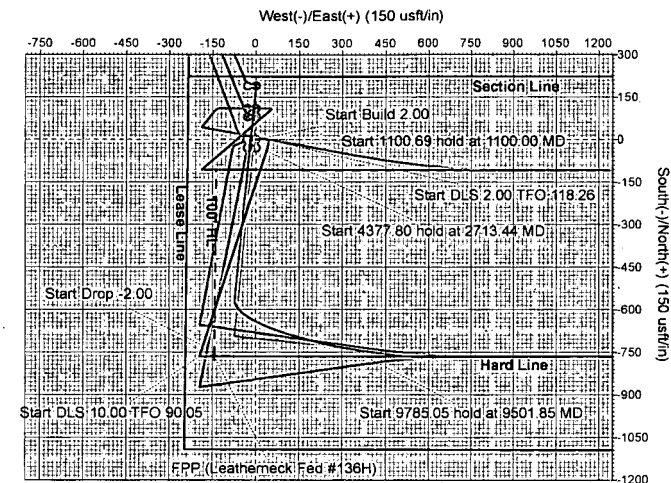
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	562917.00	565342.00	32.547388	-104.121280	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSecl
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	1100.00	2.00	90.00	1089.98	0.00	1.75	2.00	1.75
4	2200.69	2.00	90.00	2200.00	0.00	40.16	0.00	40.16
5	2713.44	9.47	197.65	2710.46	-40.31	36.30	2.00	36.34
6	7091.24	9.47	197.65	7028.58	-726.78	-182.16	0.00	-181.52
7	7564.81	0.00	0.00	7500.00	-764.00	-194.00	2.00	-193.33
8	8601.85	0.00	0.00	8537.04	-764.00	-194.00	0.00	-193.33
9	9501.85	90.00	90.05	9110.00	-764.50	378.96	10.00	379.62
10	19286.90	90.00	90.05	9110.00	-773.00	10164.00	0.00	10164.67

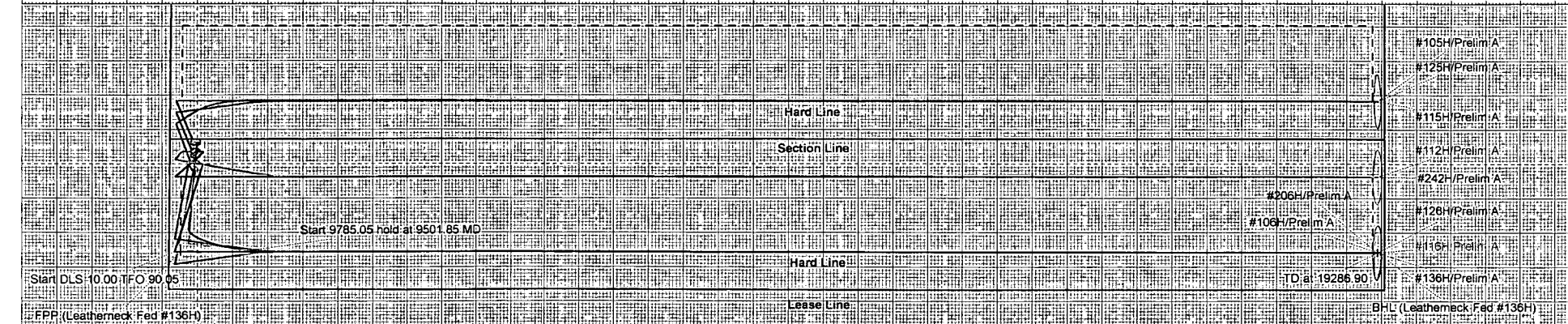
Targets

Name	TVD	+N/-S	+E/-W	Northing	Easting
BHL (Leatherneck Fed #136H)	9110.00	-773.00	10164.00	562144.00	575506.00
FPP (Leatherneck Fed #136H)	9110.00	-764.00	-144.00	562153.00	565198.00



Vertical Section at 90.05° (250 usft/in)

West(-)/East(+) (300 usft/in)



South(-)/North(+) (300 usft/in)