

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

¹ API Number 30-015-46000	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 125H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3240'

¹⁰Surface Location

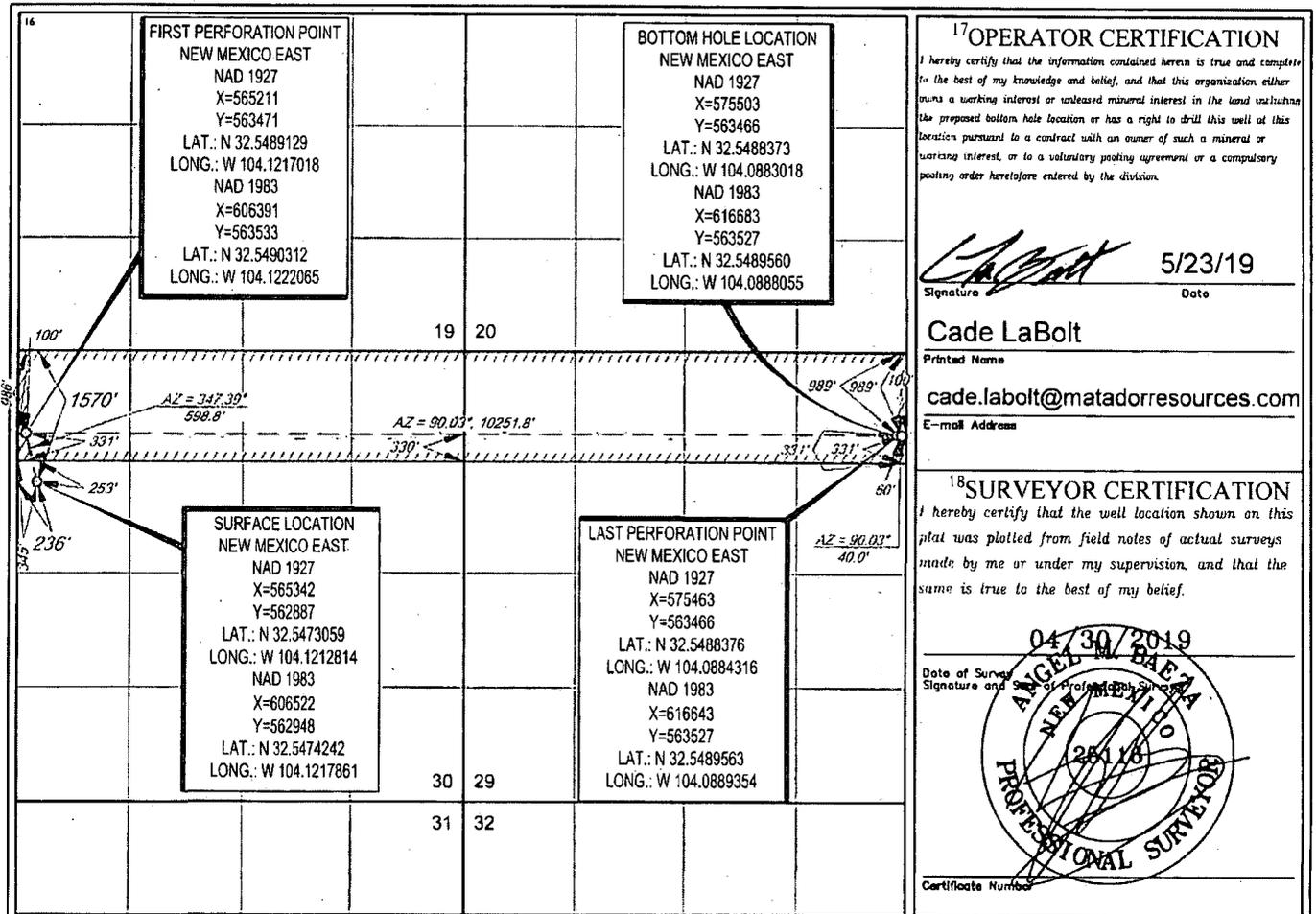
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	30	20-S	29-E	-	1570'	NORTH	236'	WEST	EDDY

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
A	29	20-S	29-E	-	989'	NORTH	60'	EAST	EDDY

¹² Dedicated Acres 316.34	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.



RUP 8-22-19

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Energy, Minerals & Natural Resources
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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
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 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

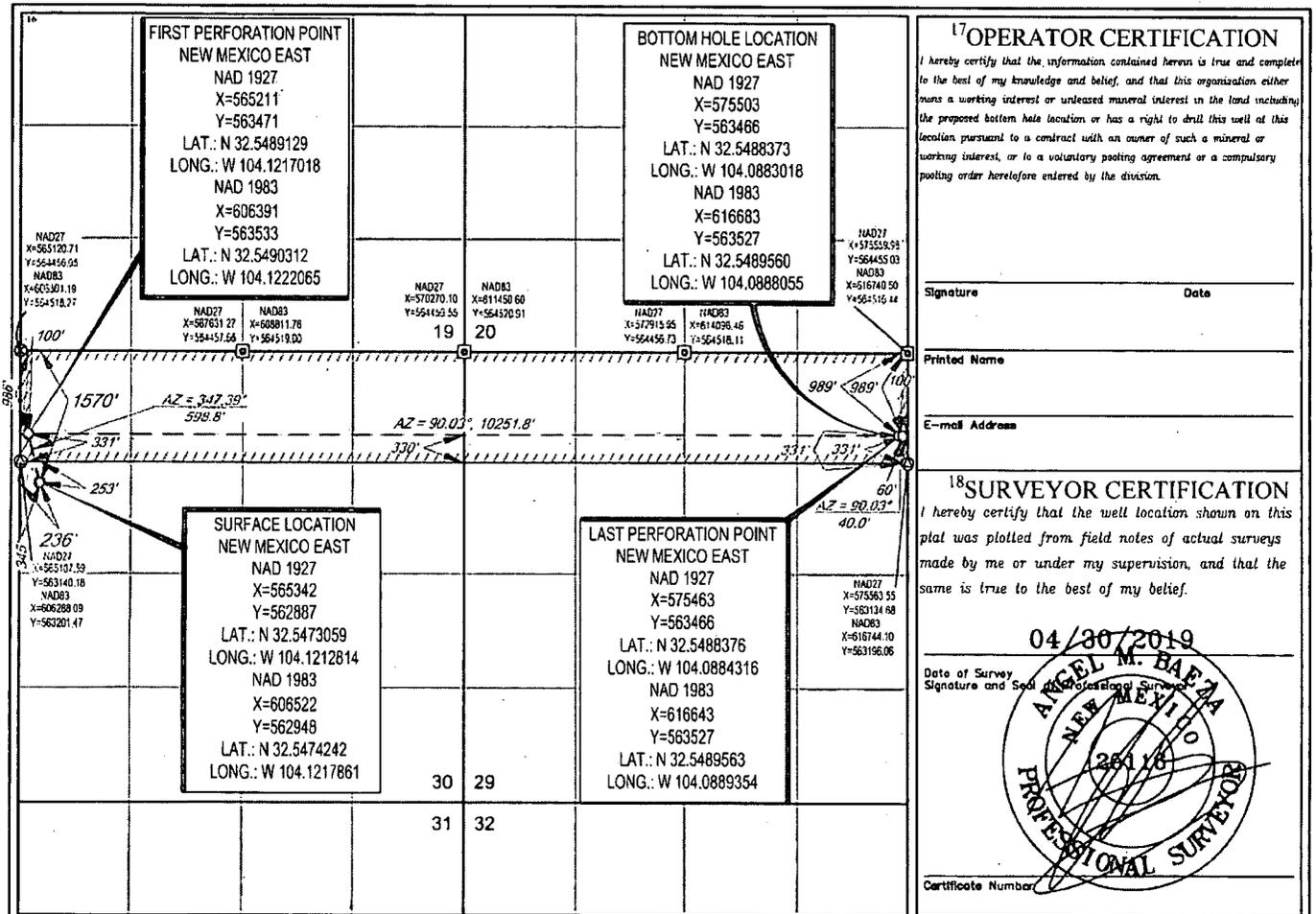
¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name LEATHERNECK 3029 FED COM			⁶ Well Number 125H
⁷ OGRID No.		⁸ Operator Name MATADOR PRODUCTION COMPANY			⁹ Elevation 3240'

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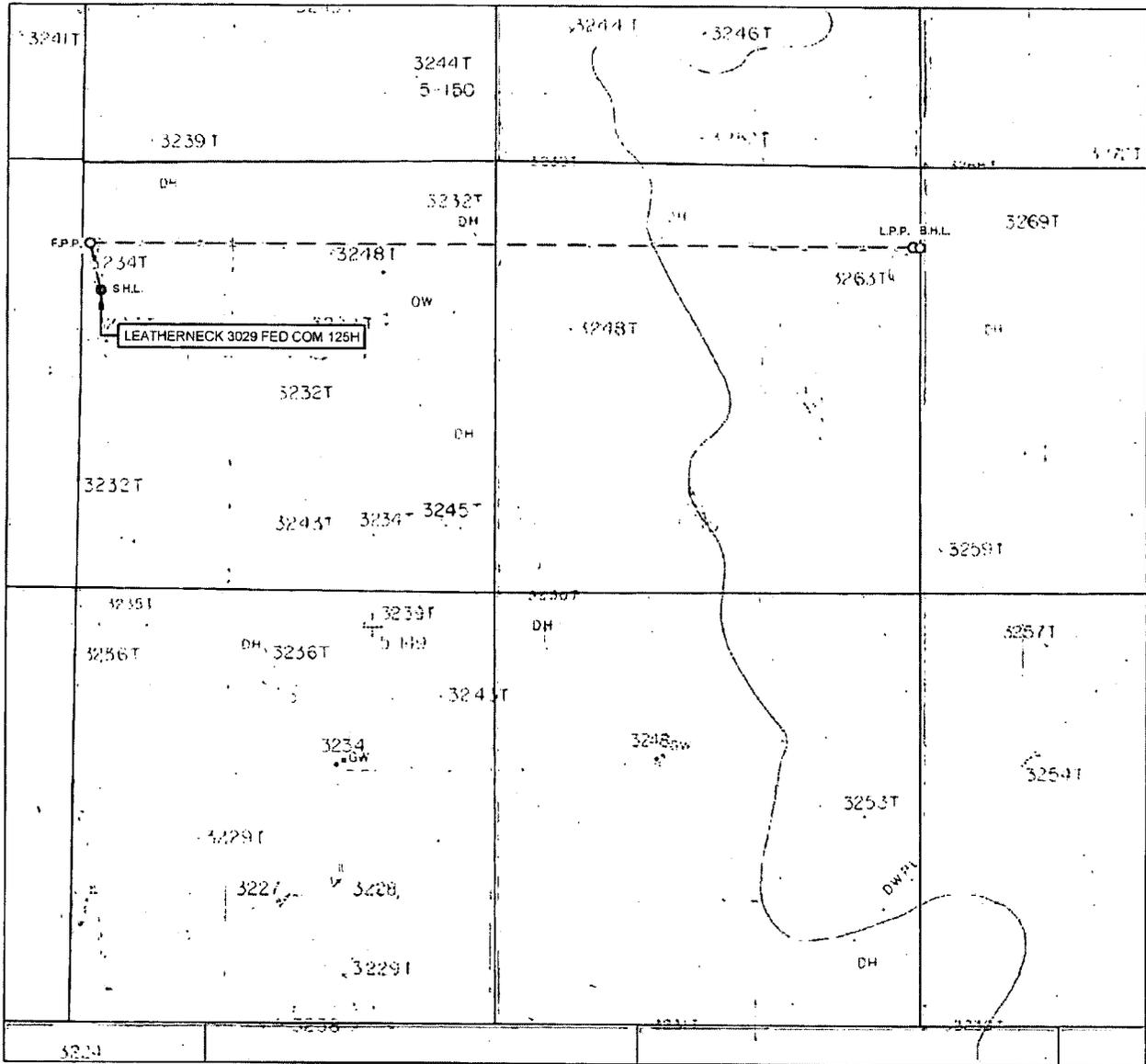
¹¹ Bottom Hole Location If Different From Surface									
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LOCATION & ELEVATION VERIFICATION MAP



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'

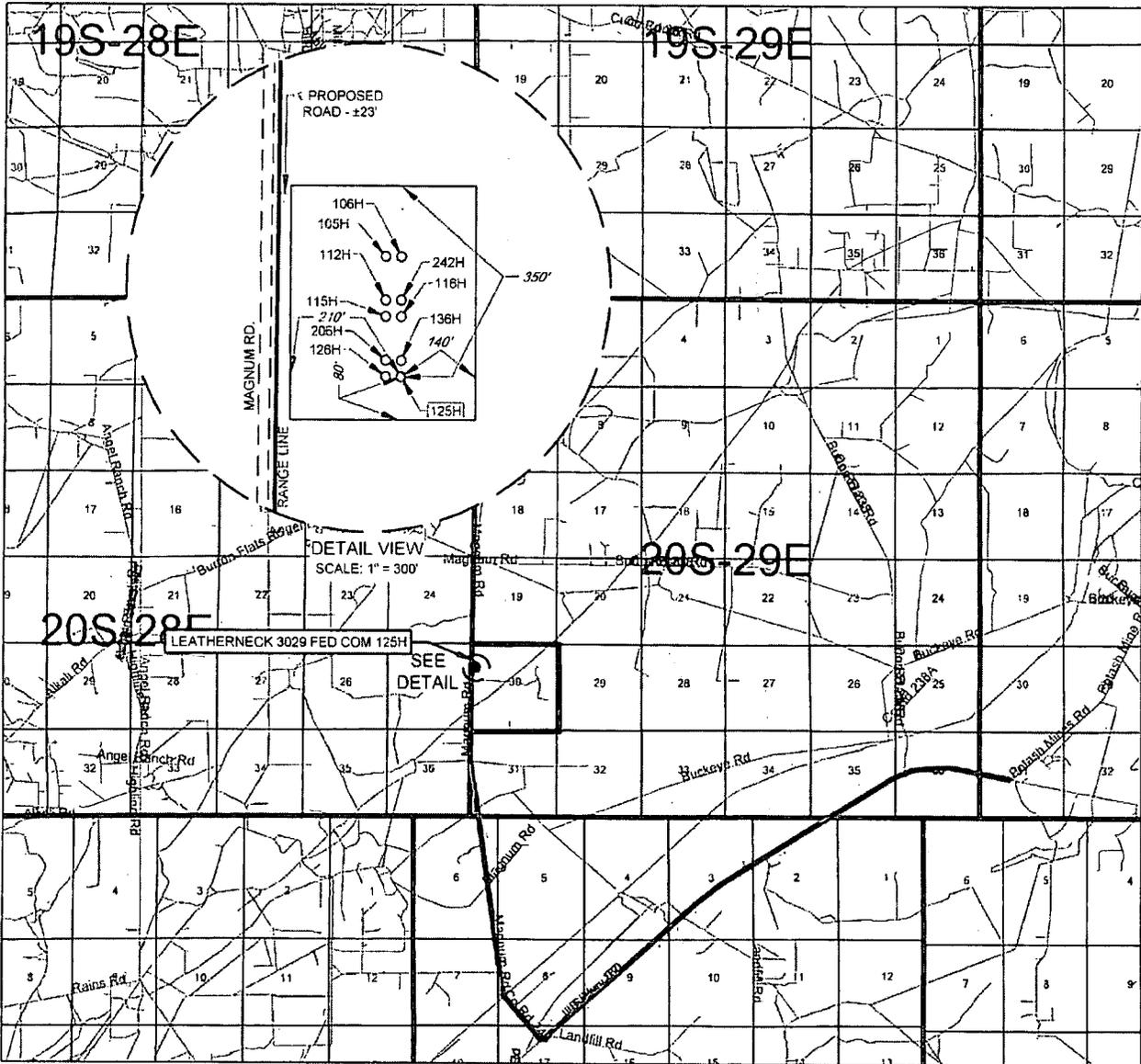
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE 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) 682-1653 OR (800) 767-1653 • FAX (432) 882-1743
 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" = 10000'
 0' 5000' 10000'

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SCALE: 1" = 2000'

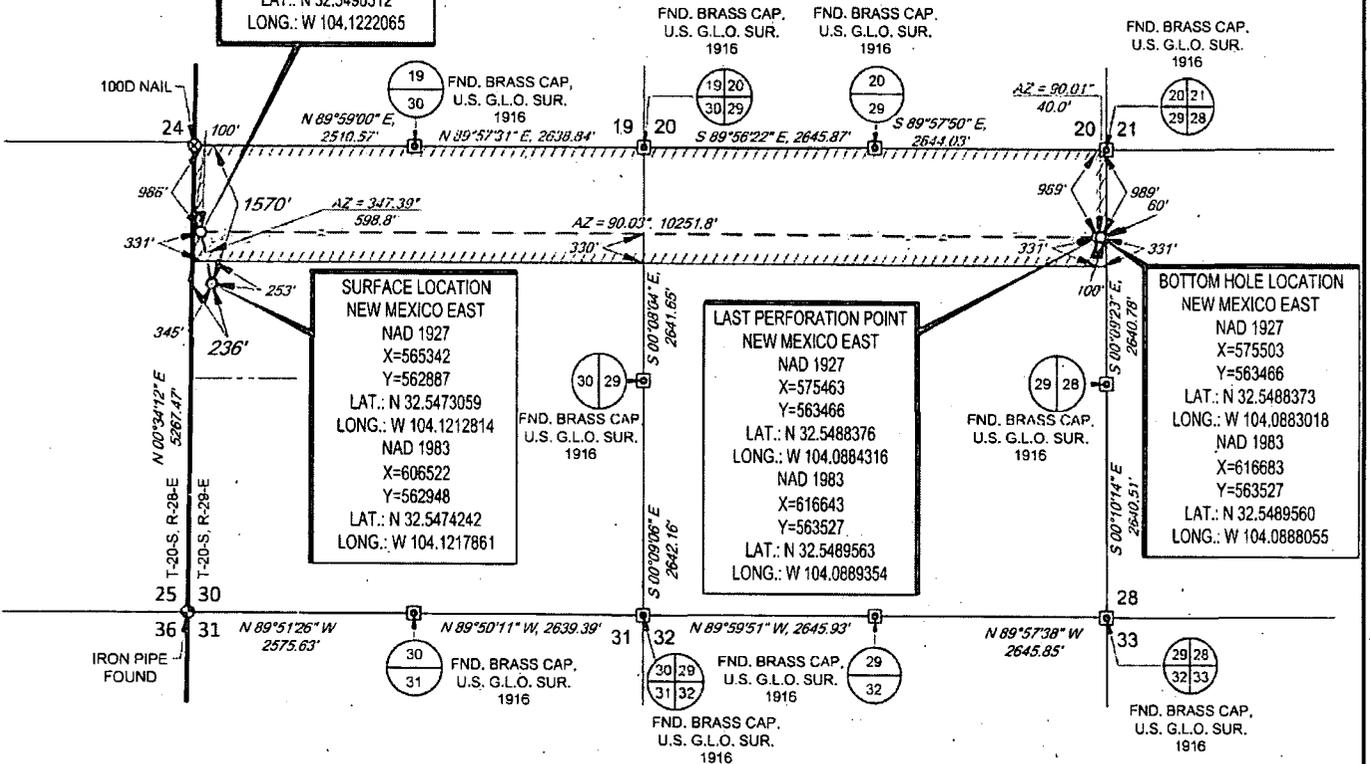
0' 1000' 2000'



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



SURFACE LOCATION
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

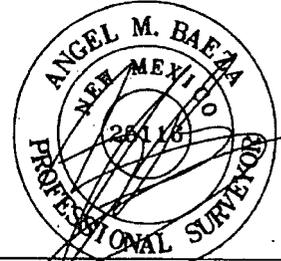
LAST PERFORATION POINT
NEW MEXICO EAST
NAD 1927
X=575463
Y=563466
LAT.: N 32.5488376
LONG.: W 104.0884316
NAD 1983
X=616643
Y=563527
LAT.: N 32.5489563
LONG.: W 104.0889354

BOTTOM HOLE LOCATION
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

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.

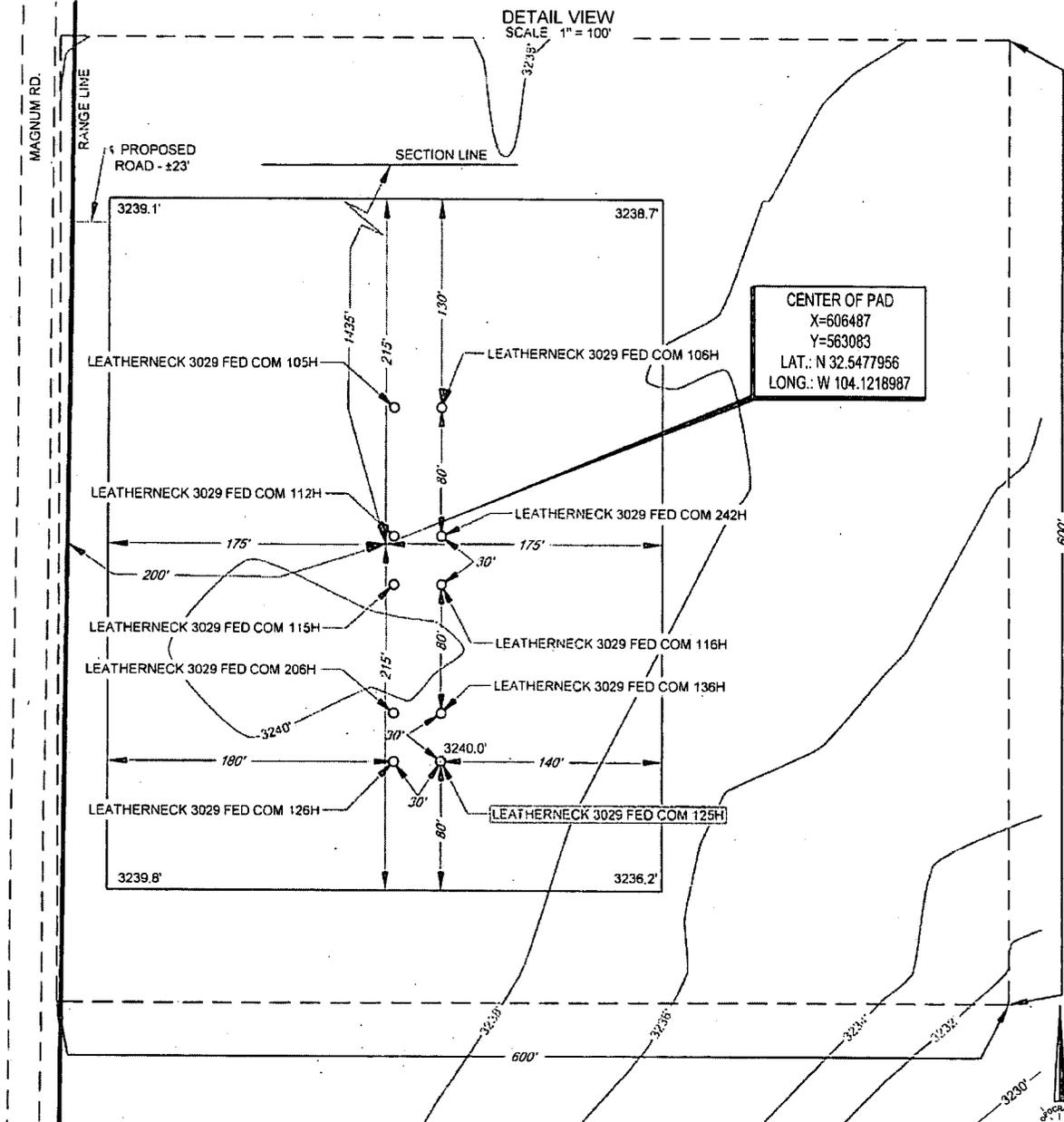


Angel M. Baeza, License No. 25116
MAY 7, 2019

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 - FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
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SECTION 30, TOWNSHIP 20-S, RANGE 29-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



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

125H LATITUDE N 32.5474242 125H LONGITUDE W 104.1217861

LEGEND

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

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.



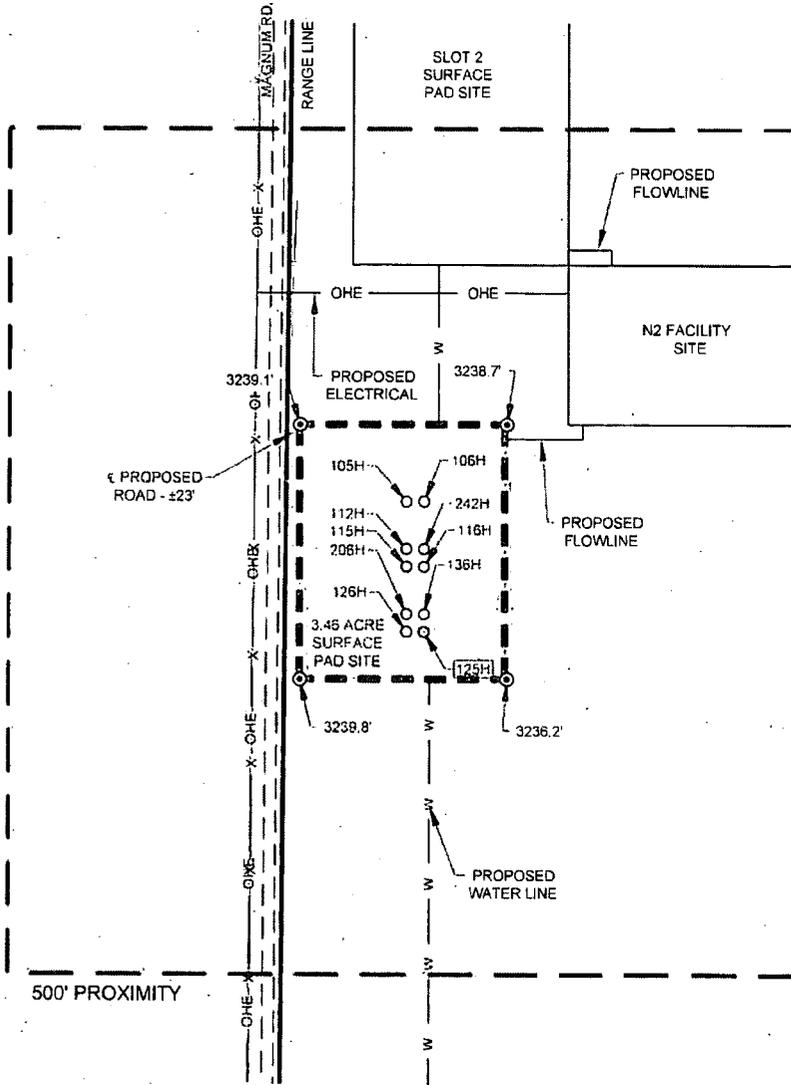
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY.

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ORIGINAL DOCUMENT SIZE: 8.5" X 11"

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

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

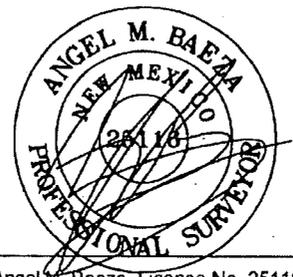


LEGEND

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



TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
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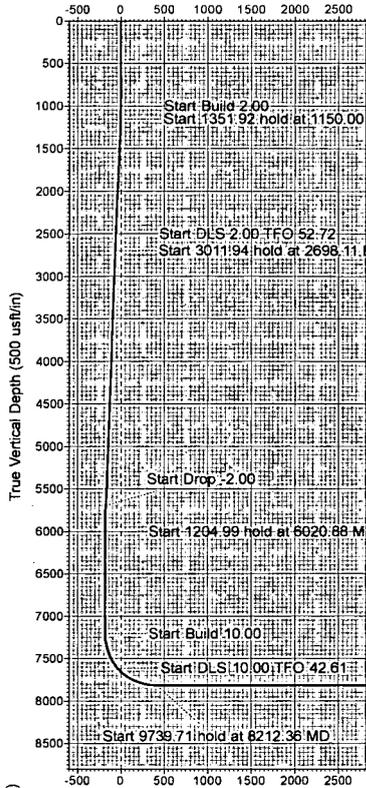
Angel M. Baeza, License No. 25116
 MAY 7, 2019

LEATHERNECK 3029 FED COM 125H PROXIMITY MAP	REVISION:	
	INT	DATE
DATE: 05/02/19		
FILE: LO_LEATHERNECK_3029_FED_COM_125H		
DRAWN BY: EAH		
SHEET: 7 OF 7		

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.

Vertical Section at 90.03° (500 usft/in)



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: 47977.6aT
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	562897.00	565342.00	32.547306	-104.121280	

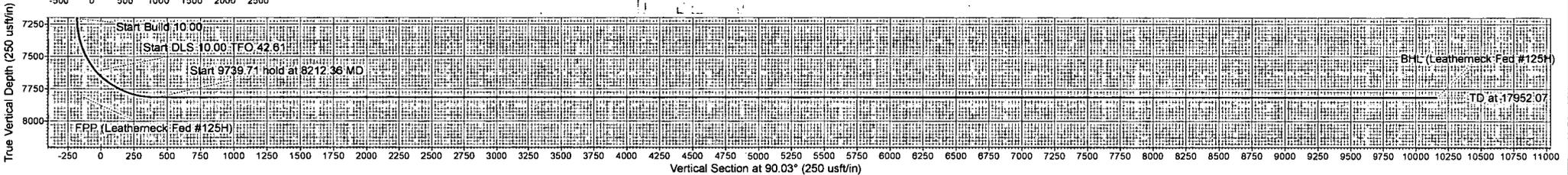
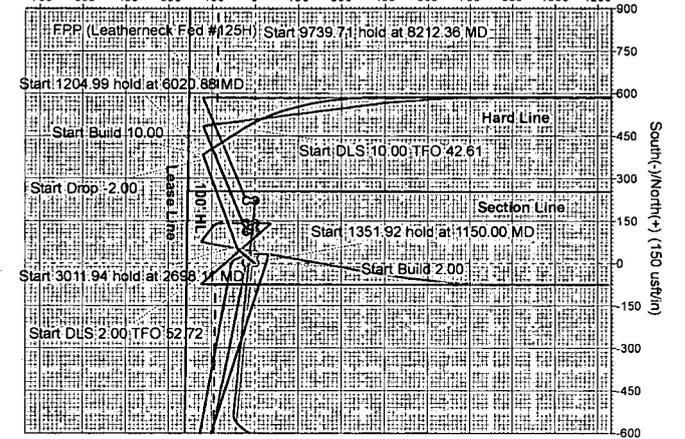
SECTION DETAILS

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	586.75	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

West(-)/East(+) (150 usft/in)



Vertical Section at 90.03° (250 usft/in)

