



PHOENIX
TECHNOLOGY SERVICES

October 12, 2018

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

RECEIVED

OCT 25 2018

Dear District 2 - Artesia

Re: Matador Resources
Jimmy Kone 05-24S-28E RB #241H
Eddy County, New Mexico
API #30-015-45210
Job No. 63554

DISTRICT II-ARTESIA O.C.D.

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Christopher Marks	241H	169	15,835	9/19/18	10/8/18	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

SURVEY DATA CERTIFICATION



PHOENIX
TECHNOLOGY SERVICES

Job #: 63554

Client: Matador

County & State: Eddy County, NM

Well: Jimmy Kone 05-24S-28E RB #241H

API No: 30-015-45210

Proposed Direction: 269.89

TIE-IN DATA

MD	TVD	INC	AZM	N/-S	E/-W	DATA SOURCE
Data Source Company:						

SURVEY DATA

First Survey Date	First Survey Depth	INC	AZM
19-Sep-18	169 ft	0.34°	26.12°

Last Survey Date	Last Survey Depth	INC	AZM
8-Oct-18	15,835 ft	91.06°	272.56°

Survey Instrument Type

Phoenix P-360 MWD

Projected TD Survey Date	Projected TD Survey Depth	INC	AZM
8-Oct-18	15,900 ft	91.06°	272.56°

CORRECTION INFORMATION

Magnetic Declination Used	7.20	degrees
Grid Convergence Used	0.12	degrees

Corrected to True/Grid North

Grid North

Total Correction	7.08	degrees
------------------	------	---------

TO THE BEST OF MY KNOWLEDGE, I
CERTIFY THIS SURVEY DATA TO BE TRUE
AND CORRECT.

Christopher Marks 10/8/2018

Field Engineer Signature Date

Well Planner/Supervisor Date

RECEIVED

OCT 25 2018

DISTRICT II-ARTESIA O.C.D.

Matador Resources

Eddy County, NM (NAD27 NME)

Jimmy Kone 05-24S-28E RB

#241H

OH / 63554

Survey: Phoenix MWD Surveys

Standard Survey Report

08 October, 2018

Survey Report

Company: Matador Resources
Project: Eddy County, NM (NAD27 NME)
Site: Jimmy Kone 05-24S-28E RB
Well: #241H
Wellbore: OH / 63554
Design: Surveys (Patterson 297)

Local Co-ordinate Reference: Well #241H
TVD Reference: RKB @ 3087.50usft (Patterson 297)
MD Reference: RKB @ 3087.50usft (Patterson 297)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: USA Compass

Project	Eddy County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Jimmy Kone 05-24S-28E RB
Site Position:
From: Map
Position Uncertainty: 0.00 usft
Northing: 451,120.00 usft
Easting: 572,362.00 usft
Slot Radius: 13-3/16 "
Latitude: 32° 14' 24.10506 N
Longitude: 104° 5' 57.45146 W
Grid Convergence: 0.12 °

Well #241H
Well Position +N/-S 0.00 usft
+E/-W 0.00 usft
Position Uncertainty 0.00 usft
Northing: 455,398.00 usft
Easting: 571,750.00 usft
Wellhead Elevation: usft
Latitude: 32° 15' 6.45443 N
Longitude: 104° 6' 4.46958 W
Ground Level: 3,059.00 usft

Wellbore OH / 63554

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	9/30/2018	7.20	60.02	47,965.62538064

Design Surveys (Patterson 297)

Audit Notes:

Version: 1.0
Phase: ACTUAL
Tie On Depth: 0.00
Vertical Section:
Depth From (TVD) (usft) 0.00
+N/-S (usft) 0.00
+E/-W (usft) 0.00
Direction (°) 269.89

Survey Program Date 10/8/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
169.00	15,900.00	Phoenix MWD Surveys (OH / 63554)	MWD+HDGM	OWSG Rev.2 MWD + HDGM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169.00	0.34	26.12	169.00	0.45	0.22	-0.22	0.20	0.20	0.00
First PHX MWD Survey									
228.00	0.31	343.89	228.00	0.76	0.25	-0.25	0.40	-0.05	-71.58
319.00	0.41	331.49	319.00	1.28	0.03	-0.03	0.14	0.11	-13.63
412.00	1.09	348.07	411.99	2.44	-0.31	0.31	0.76	0.73	17.83
504.00	2.10	357.44	503.95	4.98	-0.57	0.56	1.13	1.10	10.18
540.00	2.52	353.52	539.92	6.43	-0.69	0.67	1.25	1.17	-10.89
632.00	2.26	357.17	631.84	10.25	-1.00	0.99	0.33	-0.28	3.97
692.00	2.11	1.86	691.80	12.53	-1.03	1.00	0.39	-0.25	7.82
784.00	2.51	12.11	783.72	16.20	-0.55	0.52	0.62	0.43	11.14

Survey Report

Company: Matador Resources
Project: Eddy County, NM (NAD27 NME)
Site: Jimmy Kone 05-24S-28E RB
Well: #241H
Wellbore: OH / 63554
Design: Surveys (Patterson 297)

Local Co-ordinate Reference: Well #241H
TVD Reference: RKB @ 3087.50usft (Patterson 297)
MD Reference: RKB @ 3087.50usft (Patterson 297)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
876.00	2.85	30.04	875.62	20.15	1.02	-1.06	0.98	0.37	19.49
970.00	3.40	48.39	969.49	24.02	4.27	-4.32	1.21	0.59	19.52
1,064.00	3.70	51.73	1,063.31	27.75	8.74	-8.79	0.39	0.32	3.55
1,157.00	3.62	51.92	1,156.12	31.42	13.40	-13.46	0.09	-0.09	0.20
1,251.00	3.30	55.02	1,249.95	34.80	17.96	-18.02	0.39	-0.34	3.30
1,344.00	3.16	53.66	1,342.80	37.85	22.21	-22.29	0.17	-0.15	-1.46
1,438.00	2.92	53.74	1,436.67	40.80	26.23	-26.31	0.26	-0.26	0.09
1,532.00	3.06	51.01	1,530.54	43.80	30.11	-30.20	0.21	0.15	-2.90
1,625.00	3.98	48.34	1,623.36	47.51	34.45	-34.54	1.00	0.99	-2.87
1,719.00	4.63	48.12	1,717.10	52.21	39.72	-39.81	0.69	0.69	-0.23
1,812.00	4.10	53.18	1,809.83	56.71	45.17	-45.28	0.70	-0.57	5.44
1,906.00	4.76	61.04	1,903.55	60.61	51.27	-51.39	0.95	0.70	8.36
2,000.00	4.86	62.25	1,997.21	64.35	58.21	-58.33	0.15	0.11	1.29
2,093.00	4.81	63.64	2,089.88	67.92	65.19	-65.32	0.14	-0.05	1.49
2,187.00	5.04	69.30	2,183.54	71.13	72.58	-72.72	0.57	0.24	6.02
2,280.00	5.19	70.25	2,276.17	73.99	80.37	-80.50	0.19	0.16	1.02
2,374.00	5.21	60.17	2,369.78	77.55	88.07	-88.22	0.97	0.02	-10.72
2,467.00	5.08	41.30	2,462.41	82.75	94.45	-94.61	1.82	-0.14	-20.29
2,551.00	5.13	32.04	2,546.08	88.72	98.90	-99.06	0.98	0.06	-11.02
2,641.00	4.87	30.99	2,635.74	95.41	103.00	-103.18	0.31	-0.29	-1.17
2,734.00	5.14	47.20	2,728.39	101.62	108.09	-108.28	1.54	0.29	17.43
2,828.00	5.76	55.83	2,821.97	107.13	115.08	-115.28	1.09	0.66	9.18
2,921.00	6.61	53.38	2,914.42	112.95	123.24	-123.45	0.96	0.91	-2.63
3,015.00	6.85	45.01	3,007.78	120.14	131.55	-131.77	1.07	0.26	-8.90
3,109.00	5.95	38.94	3,101.19	127.89	138.57	-138.81	1.20	-0.96	-6.46
3,202.00	6.51	40.74	3,193.64	135.64	145.04	-145.30	0.64	0.60	1.94
3,296.00	5.93	36.75	3,287.09	143.56	151.43	-151.70	0.77	-0.62	-4.24
3,389.00	3.41	17.08	3,379.78	150.06	155.11	-155.40	3.17	-2.71	-21.15
3,483.00	2.76	358.18	3,473.64	154.99	155.86	-156.15	1.28	-0.69	-20.11
3,577.00	3.98	7.03	3,567.48	160.49	156.19	-156.49	1.41	1.30	9.41
3,670.00	5.21	20.56	3,660.18	167.65	158.07	-158.38	1.75	1.32	14.55
3,764.00	5.67	33.46	3,753.76	175.52	162.13	-162.46	1.39	0.49	13.72
3,857.00	4.84	41.13	3,846.37	182.31	167.24	-167.58	1.17	-0.89	8.25
3,951.00	2.80	55.34	3,940.16	186.60	171.74	-172.09	2.38	-2.17	15.12
4,044.00	1.33	67.78	4,033.10	188.30	174.61	-174.96	1.64	-1.58	13.38
4,138.00	0.24	209.52	4,127.09	188.54	175.52	-175.87	1.62	-1.16	150.79
4,231.00	0.29	189.54	4,220.09	188.14	175.38	-175.74	0.11	0.05	-21.48
4,325.00	0.34	236.64	4,314.09	187.75	175.11	-175.47	0.27	0.05	50.11
4,418.00	0.29	203.08	4,407.09	187.38	174.79	-175.14	0.20	-0.05	-36.09
4,512.00	0.37	247.56	4,501.08	187.05	174.42	-174.77	0.28	0.09	47.32
4,605.00	0.32	180.44	4,594.08	186.68	174.14	-174.49	0.41	-0.05	-72.17
4,699.00	0.54	207.39	4,688.08	186.02	173.93	-174.28	0.31	0.23	28.67
4,792.00	0.47	245.57	4,781.08	185.47	173.38	-173.73	0.36	-0.08	41.05

Survey Report

Company: Matador Resources
Project: Eddy County, NM (NAD27 NME)
Site: Jimmy Kone 05-24S-28E RB
Well: #241H
Wellbore: OH / 63554
Design: Surveys (Patterson 297)

Local Co-ordinate Reference: Well #241H
TVD Reference: RKB @ 3087.50usft (Patterson 297)
MD Reference: RKB @ 3087.50usft (Patterson 297)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,886.00	0.77	257.11	4,875.07	185.17	172.41	-172.76	0.34	0.32	12.28
4,980.00	1.25	266.90	4,969.06	184.98	170.77	-171.12	0.54	0.51	10.41
5,074.00	0.91	280.86	5,063.04	185.06	169.02	-169.37	0.45	-0.36	14.85
5,167.00	0.40	35.80	5,156.04	185.46	168.48	-168.83	1.22	-0.55	123.59
5,261.00	0.30	183.48	5,250.04	185.48	168.66	-169.01	0.72	-0.11	157.11
5,354.00	0.50	193.81	5,343.03	184.85	168.55	-168.90	0.23	0.22	11.11
5,448.00	0.76	201.00	5,437.03	183.87	168.23	-168.57	0.29	0.28	7.65
5,541.00	0.20	123.80	5,530.02	183.20	168.14	-168.49	0.80	-0.60	-83.01
5,635.00	0.40	75.12	5,624.02	183.19	168.59	-168.94	0.33	0.21	-51.79
5,728.00	0.46	109.51	5,717.02	183.15	169.26	-169.61	0.28	0.06	36.98
5,822.00	0.48	135.52	5,811.02	182.75	169.89	-170.24	0.23	0.02	27.67
5,916.00	0.74	137.52	5,905.01	182.02	170.58	-170.92	0.28	0.28	2.13
6,009.00	0.61	159.26	5,998.01	181.11	171.16	-171.50	0.31	-0.14	23.38
6,103.00	0.60	187.81	6,092.00	180.16	171.27	-171.61	0.32	-0.01	30.37
6,196.00	0.94	231.77	6,184.99	179.20	170.60	-170.94	0.71	0.37	47.27
6,290.00	2.67	306.97	6,278.95	180.04	168.25	-168.59	2.76	1.84	80.00
6,383.00	3.29	319.42	6,371.83	183.37	164.78	-165.13	0.96	0.67	13.39
6,477.00	2.33	320.72	6,465.71	186.90	161.82	-162.17	1.02	-1.02	1.38
6,570.00	0.63	106.68	6,558.69	188.22	161.11	-161.46	3.09	-1.83	156.95
6,664.00	0.41	121.70	6,652.69	187.89	161.89	-162.24	0.27	-0.23	15.98
6,757.00	1.47	253.22	6,745.68	187.37	161.03	-161.38	1.90	1.14	141.42
6,851.00	1.90	260.17	6,839.64	186.76	158.34	-158.69	0.51	0.46	7.39
6,944.00	0.70	259.81	6,932.61	186.39	156.26	-156.61	1.29	-1.29	-0.39
7,037.00	0.99	104.93	7,025.61	186.09	156.48	-156.83	1.78	0.31	-166.54
7,131.00	1.24	102.48	7,119.59	185.66	158.26	-158.61	0.27	0.27	-2.61
7,225.00	1.87	68.35	7,213.56	186.00	160.68	-161.03	1.16	0.67	-36.31
7,318.00	0.91	86.00	7,306.53	186.61	162.82	-163.18	1.12	-1.03	18.98
7,412.00	0.83	32.17	7,400.52	187.24	163.93	-164.28	0.84	-0.09	-57.27
7,506.00	1.33	33.38	7,494.50	188.73	164.89	-165.25	0.53	0.53	1.29
7,599.00	0.46	32.70	7,587.49	189.94	165.69	-166.05	0.94	-0.94	-0.73
7,693.00	1.43	115.06	7,681.48	189.77	166.96	-167.31	1.53	1.03	87.62
7,786.00	1.70	99.47	7,774.44	189.05	169.37	-169.72	0.54	0.29	-16.76
7,880.00	2.30	110.87	7,868.39	188.15	172.50	-172.86	0.76	0.64	12.13
7,973.00	1.17	155.20	7,961.35	186.62	174.65	-175.00	1.80	-1.22	47.67
8,067.00	1.13	236.85	8,055.33	185.24	174.27	-174.62	1.60	-0.04	86.86
8,161.00	1.14	242.43	8,149.31	184.30	172.67	-173.02	0.12	0.01	5.94
8,255.00	1.21	251.35	8,243.29	183.55	170.90	-171.25	0.21	0.07	9.49
8,348.00	1.49	241.74	8,336.27	182.66	168.90	-169.25	0.39	0.30	-10.33
8,442.00	3.02	215.59	8,430.20	180.07	166.39	-166.73	1.92	1.63	-27.82
8,535.00	3.07	215.04	8,523.06	176.04	163.53	-163.86	0.06	0.05	-0.59
8,629.00	1.77	205.27	8,616.98	172.67	161.47	-161.79	1.45	-1.38	-10.39
8,722.00	1.75	162.99	8,709.94	170.01	161.27	-161.59	1.36	-0.02	-45.46
8,816.00	2.06	117.31	8,803.89	167.86	163.19	-163.51	1.60	0.33	-48.60

Survey Report

Company: Matador Resources
Project: Eddy County, NM (NAD27 NME)
Site: Jimmy Kone 05-24S-28E RB
Well: #241H
Wellbore: OH / 63554
Design: Surveys (Patterson 297)

Local Co-ordinate Reference: Well #241H
TVD Reference: RKB @ 3087.50usft (Patterson 297)
MD Reference: RKB @ 3087.50usft (Patterson 297)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,910.00	1.97	135.64	8,897.83	165.93	165.82	-166.13	0.69	-0.10	19.50
9,003.00	1.69	96.41	8,990.79	164.64	168.30	-168.61	1.35	-0.30	-42.18
9,097.00	2.25	95.81	9,084.74	164.29	171.51	-171.82	0.60	0.60	-0.64
9,190.00	1.14	103.66	9,177.69	163.89	174.23	-174.54	1.22	-1.19	8.44
9,284.00	0.60	124.48	9,271.68	163.39	175.54	-175.85	0.66	-0.57	22.15
9,377.00	0.62	28.81	9,364.68	163.56	176.19	-176.50	0.97	0.02	-102.87
9,471.00	1.26	25.21	9,458.67	164.94	176.87	-177.18	0.68	0.68	-3.83
9,565.00	0.40	30.26	9,552.65	166.16	177.48	-177.79	0.92	-0.91	5.37
9,658.00	0.73	257.22	9,645.65	166.31	177.06	-177.38	1.12	0.35	-143.05
9,752.00	0.85	219.22	9,739.64	165.63	176.04	-176.35	0.56	0.13	-40.43
9,846.00	1.78	220.86	9,833.62	163.99	174.64	-174.95	0.99	0.99	1.74
9,939.00	1.22	195.44	9,926.59	161.94	173.43	-173.74	0.92	-0.60	-27.33
10,033.00	1.21	266.83	10,020.57	160.92	172.18	-172.48	1.51	-0.01	75.95
10,126.00	1.17	286.82	10,113.55	161.14	170.29	-170.59	0.45	-0.04	21.49
10,220.00	0.70	264.76	10,207.54	161.37	168.80	-169.10	0.62	-0.50	-23.47
10,289.00	0.49	251.22	10,276.53	161.23	168.10	-168.40	0.36	-0.30	-19.62
10,299.00	0.49	250.17	10,286.53	161.21	168.02	-168.32	0.09	0.00	-10.50
10,439.00	1.83	245.14	10,426.50	160.06	165.43	-165.73	0.96	0.96	-3.59
10,510.00	3.28	257.77	10,497.43	159.16	162.41	-162.71	2.18	2.04	17.79
10,559.00	7.02	270.59	10,546.23	158.89	158.05	-158.35	7.94	7.63	26.16
10,606.00	12.42	273.28	10,592.53	159.21	150.12	-150.42	11.53	11.49	5.72
10,653.00	16.38	271.60	10,638.05	159.68	138.45	-138.75	8.47	8.43	-3.57
10,700.00	19.20	275.47	10,682.80	160.61	124.13	-124.43	6.50	6.00	8.23
10,751.00	22.41	279.44	10,730.47	163.00	106.18	-106.49	6.87	6.29	7.78
10,798.00	27.61	278.66	10,773.05	166.11	86.56	-86.88	11.09	11.06	-1.66
10,845.00	30.95	276.84	10,814.04	169.19	63.79	-64.11	7.35	7.11	-3.87
10,892.00	35.42	278.30	10,853.36	172.60	38.30	-38.63	9.66	9.51	3.11
10,940.00	39.55	277.56	10,891.44	176.62	9.37	-9.71	8.66	8.60	-1.54
10,988.00	45.37	276.33	10,926.84	180.52	-22.78	22.44	12.25	12.13	-2.56
11,035.00	48.42	274.02	10,958.96	183.59	-56.95	56.60	7.41	6.49	-4.91
11,082.00	52.96	270.58	10,988.73	185.02	-93.26	92.91	11.19	9.66	-7.32
11,130.00	58.03	267.27	11,015.92	184.24	-132.79	132.44	11.99	10.56	-6.90
11,177.00	65.17	265.37	11,038.26	181.57	-174.02	173.67	15.60	15.19	-4.04
11,224.00	69.55	266.81	11,056.35	178.62	-217.28	216.95	9.74	9.32	3.06
11,271.00	75.32	269.42	11,070.53	177.16	-262.04	261.71	13.37	12.28	5.55
11,319.00	81.03	269.53	11,080.36	176.73	-309.00	308.67	11.90	11.90	0.23
11,366.00	87.11	268.30	11,085.21	175.84	-355.72	355.39	13.20	12.94	-2.62
11,413.00	89.02	268.49	11,086.80	174.53	-402.67	402.34	4.08	4.06	0.40
11,508.00	89.69	269.22	11,087.87	172.63	-497.65	497.32	1.04	0.71	0.77
11,602.00	89.86	269.51	11,088.24	171.59	-591.64	591.32	0.36	0.18	0.31
11,698.00	91.48	271.26	11,087.12	172.23	-687.63	687.30	2.48	1.69	1.82
11,793.00	92.91	271.63	11,083.48	174.63	-782.52	782.19	1.55	1.51	0.39
11,887.00	91.71	268.54	11,079.69	174.76	-876.43	876.10	3.52	-1.28	-3.29
11,982.00	92.10	267.32	11,076.53	171.33	-971.32	970.99	1.35	0.41	-1.28

Survey Report

Company: Matador Resources
Project: Eddy County, NM (NAD27 NME)
Site: Jimmy Kone 05-24S-28E RB
Well: #241H
Wellbore: OH / 63554
Design: Surveys (Patterson 297)

Local Co-ordinate Reference: Well #241H
TVD Reference: RKB @ 3087.50usft (Patterson 297)
MD Reference: RKB @ 3087.50usft (Patterson 297)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,077.00	92.69	267.90	11,072.56	167.38	-1,066.15	1,065.83	0.87	0.62	0.61
12,172.00	90.92	268.96	11,069.57	164.78	-1,161.06	1,160.75	2.17	-1.86	1.12
12,267.00	90.95	268.41	11,068.02	162.60	-1,256.03	1,255.72	0.58	0.03	-0.58
12,361.00	91.12	268.35	11,066.32	159.94	-1,349.97	1,349.67	0.19	0.18	-0.06
12,455.00	91.46	269.17	11,064.20	157.90	-1,443.93	1,443.62	0.94	0.36	0.87
12,550.00	91.85	269.75	11,061.46	157.01	-1,538.88	1,538.58	0.74	0.41	0.61
12,644.00	91.74	269.78	11,058.51	156.62	-1,632.83	1,632.54	0.12	-0.12	0.03
12,738.00	91.62	271.26	11,055.76	157.48	-1,726.79	1,726.49	1.58	-0.13	1.57
12,833.00	91.90	272.23	11,052.84	160.37	-1,821.70	1,821.39	1.06	0.29	1.02
12,927.00	92.02	273.51	11,049.63	165.07	-1,915.52	1,915.21	1.37	0.13	1.36
13,021.00	90.53	274.22	11,047.53	171.41	-2,009.28	2,008.95	1.76	-1.59	0.76
13,115.00	90.45	271.35	11,046.73	175.97	-2,103.16	2,102.82	3.05	-0.09	-3.05
13,209.00	90.03	269.18	11,046.34	176.41	-2,197.15	2,196.81	2.35	-0.45	-2.31
13,304.00	90.62	269.62	11,045.80	175.41	-2,292.14	2,291.81	0.77	0.62	0.46
13,398.00	92.52	267.89	11,043.22	173.37	-2,386.08	2,385.75	2.73	2.02	-1.84
13,493.00	92.44	266.15	11,039.11	168.44	-2,480.86	2,480.53	1.83	-0.08	-1.83
13,588.00	93.08	264.00	11,034.54	160.29	-2,575.39	2,575.08	2.36	0.67	-2.26
13,683.00	91.99	262.65	11,030.33	149.26	-2,669.65	2,669.36	1.83	-1.15	-1.42
13,778.00	92.69	266.07	11,026.45	139.93	-2,764.10	2,763.83	3.67	0.74	3.60
13,872.00	93.39	268.51	11,021.47	135.50	-2,857.85	2,857.59	2.70	0.74	2.60
13,966.00	93.05	270.45	11,016.19	134.64	-2,951.69	2,951.43	2.09	-0.36	2.06
14,061.00	92.21	266.36	11,011.83	132.00	-3,046.54	3,046.28	4.39	-0.88	-4.31
14,156.00	93.19	266.99	11,007.35	126.50	-3,141.27	3,141.03	1.23	1.03	0.66
14,251.00	96.93	270.75	10,998.97	124.62	-3,235.85	3,235.61	5.57	3.94	3.96
14,345.00	95.70	272.78	10,988.63	127.50	-3,329.23	3,328.98	2.51	-1.31	2.16
14,440.00	94.18	273.02	10,980.45	132.29	-3,423.75	3,423.49	1.62	-1.60	0.25
14,535.00	94.91	273.57	10,972.92	137.73	-3,518.29	3,518.03	0.96	0.77	0.58
14,629.00	93.84	272.20	10,965.75	142.45	-3,611.90	3,611.62	1.85	-1.14	-1.46
14,724.00	92.18	272.03	10,960.76	145.95	-3,706.70	3,706.41	1.76	-1.75	-0.18
14,819.00	92.60	273.23	10,956.80	150.31	-3,801.51	3,801.22	1.34	0.44	1.26
14,913.00	91.57	272.51	10,953.38	155.01	-3,895.33	3,895.03	1.34	-1.10	-0.77
15,007.00	90.92	272.67	10,951.34	159.26	-3,989.21	3,988.90	0.71	-0.69	0.17
15,101.00	94.68	276.49	10,946.75	166.75	-4,082.77	4,082.44	5.70	4.00	4.06
15,195.00	92.44	276.37	10,940.91	177.25	-4,175.99	4,175.65	2.39	-2.38	-0.13
15,290.00	94.60	276.50	10,935.08	187.88	-4,270.21	4,269.84	2.28	2.27	0.14
15,385.00	93.73	275.08	10,928.18	197.44	-4,364.47	4,364.09	1.75	-0.92	-1.49
15,479.00	91.15	273.29	10,924.18	204.29	-4,458.12	4,457.73	3.34	-2.74	-1.90
15,574.00	91.51	273.80	10,921.97	210.16	-4,552.91	4,552.51	0.66	0.38	0.54
15,668.00	91.32	271.46	10,919.65	214.47	-4,646.78	4,646.37	2.50	-0.20	-2.49
15,763.00	90.62	272.61	10,918.04	217.84	-4,741.70	4,741.28	1.42	-0.74	1.21
15,835.00	91.06	272.56	10,916.99	221.09	-4,813.62	4,813.20	0.62	0.61	-0.07
Final PHX MWD Survey									
15,900.00	91.06	272.56	10,915.78	223.99	-4,878.55	4,878.11	0.00	0.00	0.00

Survey Report

Company: Matador Resources	Local Co-ordinate Reference: Well #241H
Project: Eddy County, NM (NAD27 NME)	TVD Reference: RKB @ 3087.50usft (Patterson 297)
Site: Jimmy Kone 05-24S-28E RB	MD Reference: RKB @ 3087.50usft (Patterson 297)
Well: #241H	North Reference: Grid
Wellbore: OH / 63554	Survey Calculation Method: Minimum Curvature
Design: Surveys (Patterson 297)	Database: USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Projection to TD									

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHLv3 - Jimmy Kone	0.00	0.00	10,959.0 0	175.00	-4,869.00	455,573.00	566,881.00	32° 15' 8.28691 N	104° 7' 1.16474 W
- survey misses target center by 64.83usft at 15887.48usft MD (10916.01 TVD, 223.43 N, -4866.04 E)									
- Point									
LTPv3 - Jimmy Kone	0.00	0.00	10,959.0 0	175.00	-4,779.00	455,573.00	566,971.00	32° 15' 8.28511 N	104° 7' 0.11668 W
- survey misses target center by 60.78usft at 15797.72usft MD (10917.60 TVD, 219.42 N, -4776.39 E)									
- Point									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
169.00	169.00	0.45	0.22	First PHX MWD Survey
15,835.00	10,916.99	221.09	-4,813.62	Final PHX MWD Survey
15,900.00	10,915.78	223.99	-4,878.55	Projection to TD

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

OCT 25 2018

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

DISTRICT II-ARTESIA O.C.D.

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name JIMMY KONE 05-24S-28E RB	
⁶ Well Number #241H	⁷ Operator Name MATADOR PRODUCTION COMPANY	
⁸ OGRID No.	⁹ Elevation 3059'	

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	5	24-S	28-E	-	844'	NORTH	225'	EAST	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
4	5	24-S	28-E	-	330'	NORTH	240'	WEST	EDDY

¹² Dedicated Acres 320.22	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

			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 _____ Date _____ Printed Name _____ E-mail Address _____
BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=566882 Y=455903 LAT.: N 32.2532083 LONG.: W 104.1169841 NAD 1983 X=608065 Y=455961 LAT.: N 32.2533288 LONG.: W 104.1174791	LAST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=566972 Y=455903 LAT.: N 32.2532083 LONG.: W 104.1166930 NAD 1983 X=608155 Y=455962 LAT.: N 32.2533288 LONG.: W 104.1171879	FIRST PERFORATION POINT NEW MEXICO EAST NAD 1927 X=571644 Y=455912 LAT.: N 32.2532064 LONG.: W 104.1015815 NAD 1983 X=612827 Y=455971 LAT.: N 32.2533272 LONG.: W 104.1020759	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. 01/21/2018 Date of Survey Signature and Seal of Professional Surveyor Certificate Number _____

RECEIVED

FORM C-102

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

OCT 25 2018

Revised August 1, 2011

Submit one copy to appropriate

District Office

DISTRICT II-ARTESIA O.C.D.

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name JIMMY KONE 05-24S-28E RB	⁶ Well Number #241H
⁷ OGRID No.	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3059'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	5	24-S	28-E	-	844'	NORTH	225'	EAST	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
4	5	24-S	28-E	-	330'	NORTH	240'	WEST	EDDY

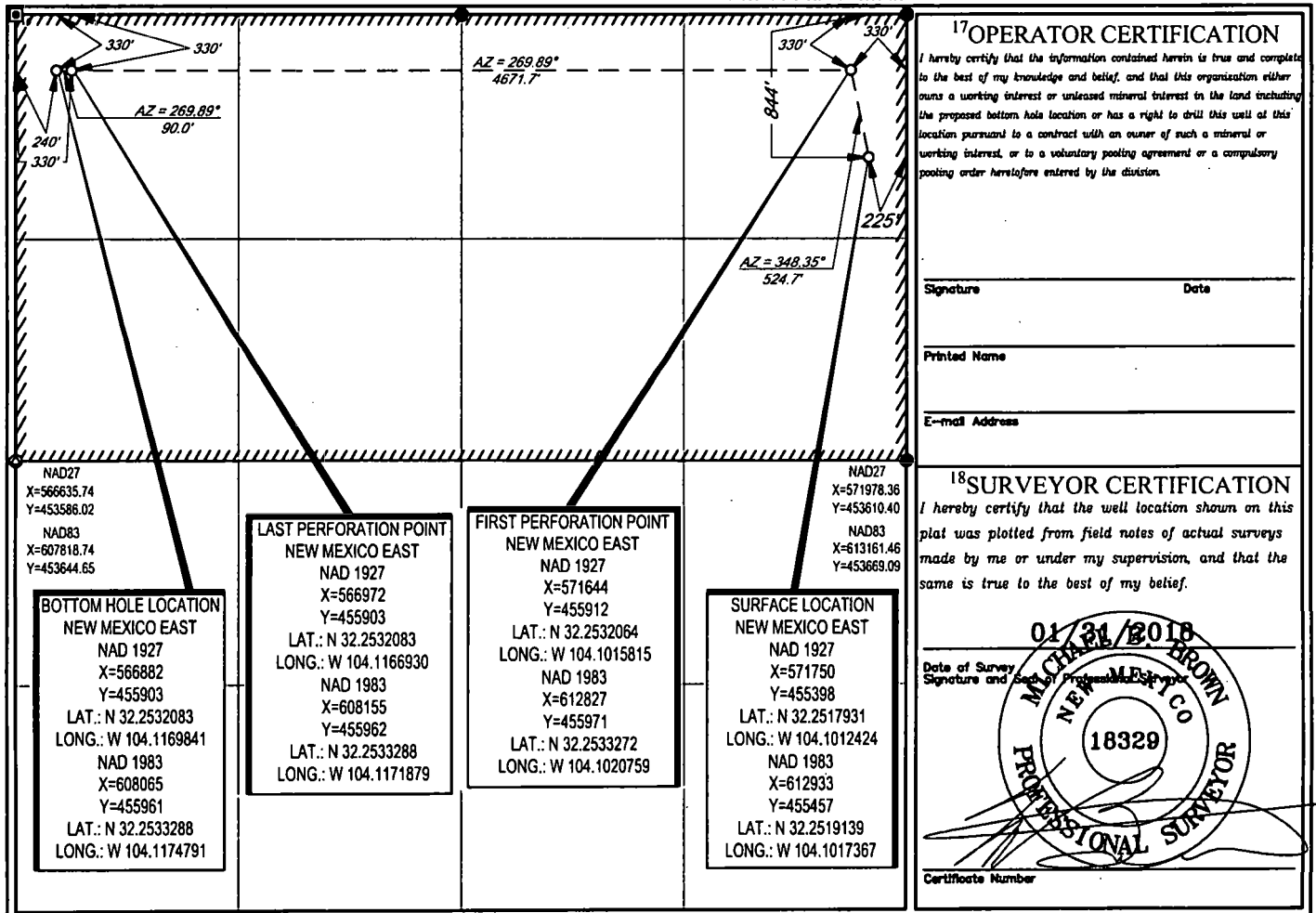
¹² Dedicated Acres 320.22	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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.

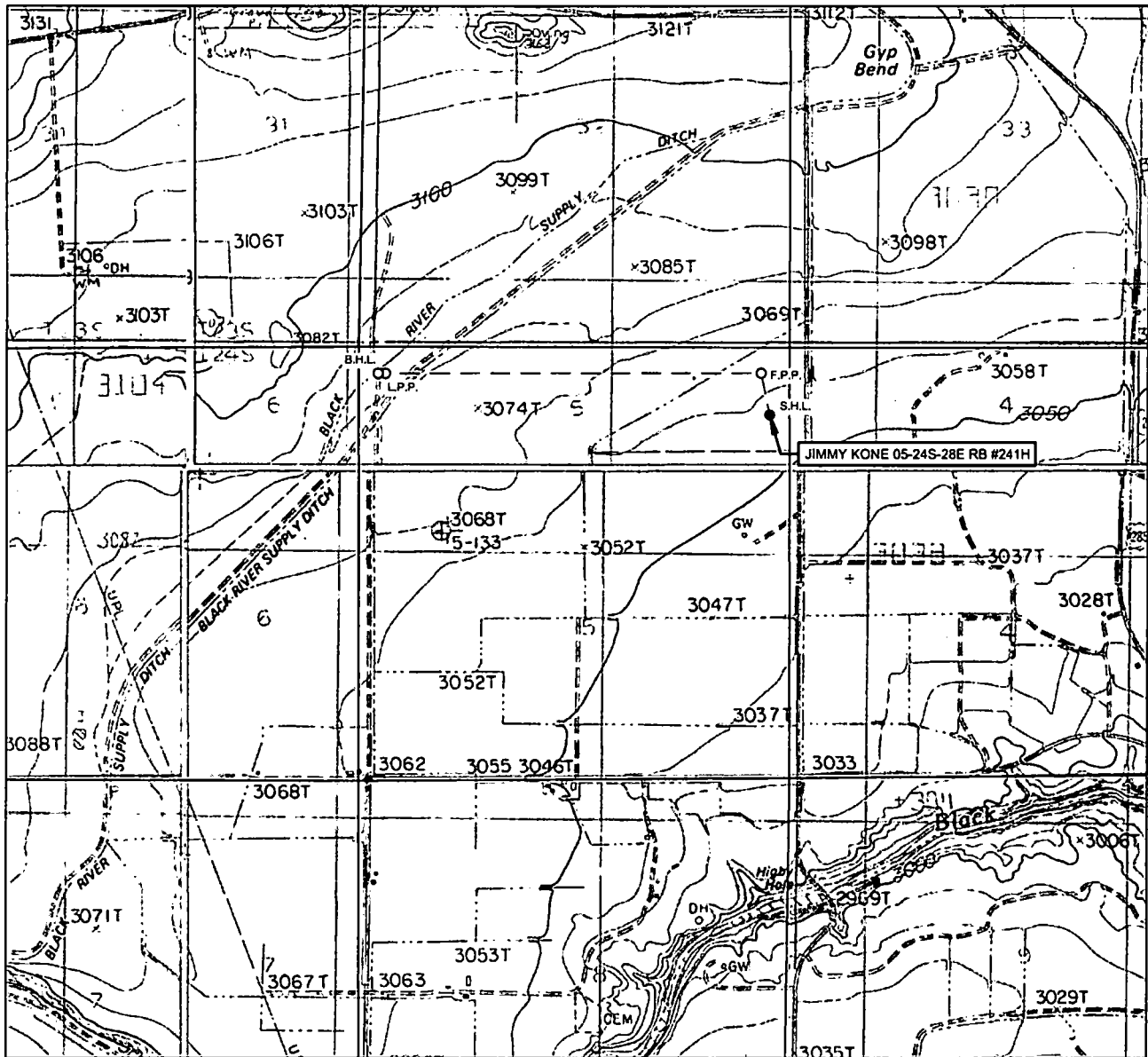
NAD27 X=566643.15 Y=456232.25
NAD83 X=607826.10 Y=456290.93

NAD27 X=569308.11 Y=456237.58
NAD83 X=610491.10 Y=456296.30

NAD27 X=571973.13 Y=456242.59
NAD83 X=613156.17 Y=456301.35



LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO.: JIMMY KONE 05-24S-28E RB #241H

SECTION 5 TWP 24-S RGE 28-E SURVEY N.M.P.M.
 COUNTY EDDY STATE NM ELEVATION 3059'
 DESCRIPTION 844' FNL & 225' FEL

LATITUDE N 32.2519139 LONGITUDE W 104.1017367



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.

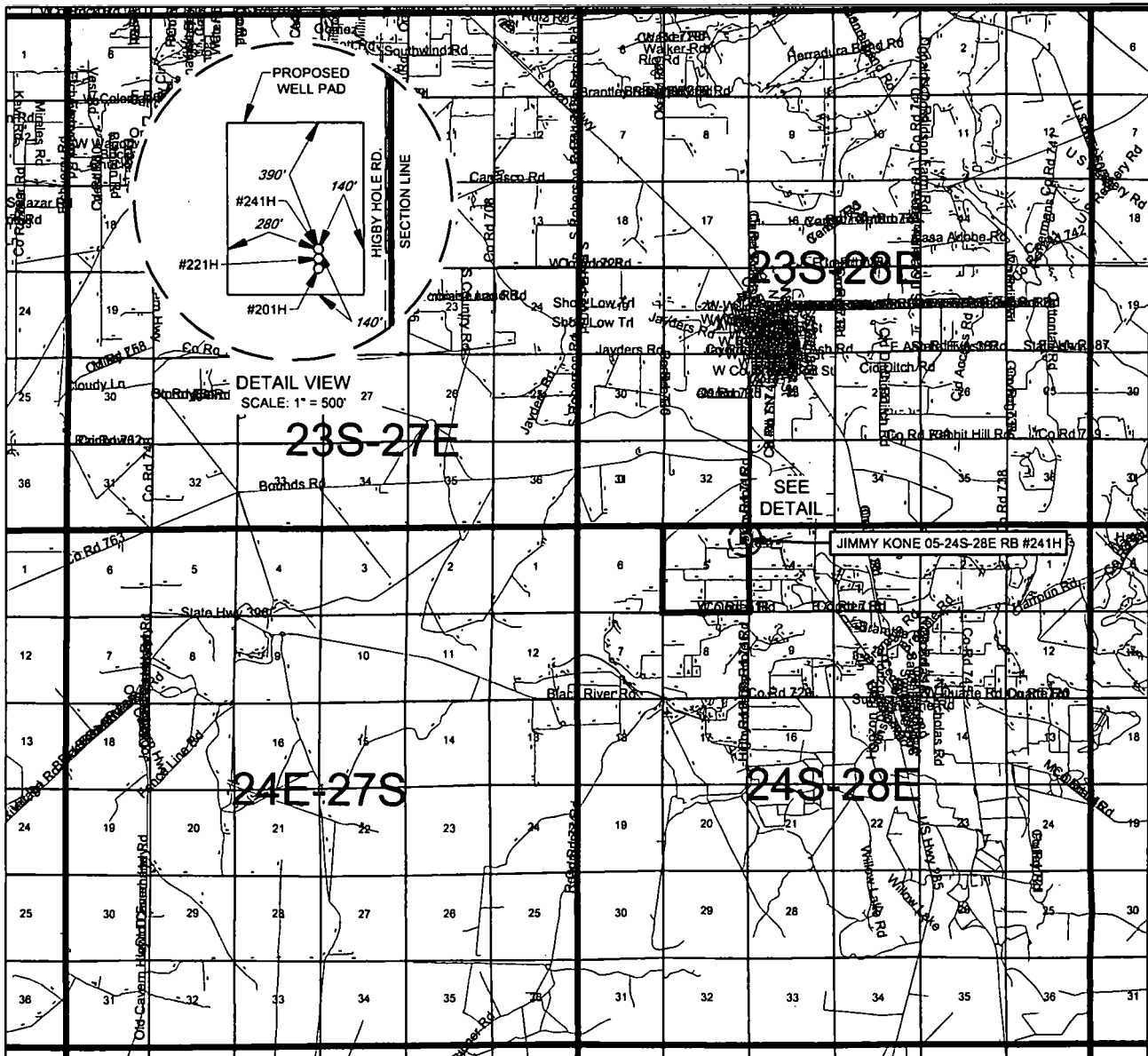
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 148 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 OR (800) 787-1653 • FAX (432) 682-1743
 WWW.TOPOGRAPHIC.COM

VICINITY MAP



LEASE NAME & WELL NO.: JIMMY KONE 05-24S-28E RB #241H

SECTION 5 TWP 24-S RGE 28-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 844' FNL & 225' FEL

DISTANCE & DIRECTION

FROM INT. OF US-285 S. & NM-387, GO SOUTH ON US-285 S ±1.0 MILES.
THENCE SOUTHWEST (RIGHT) ON HIGBY HOLE RD. ±2.0 MILES TO A
POINT ±200 FEET EAST 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'



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) 682-1743
 WWW.TOPOGRAPHIC.COM

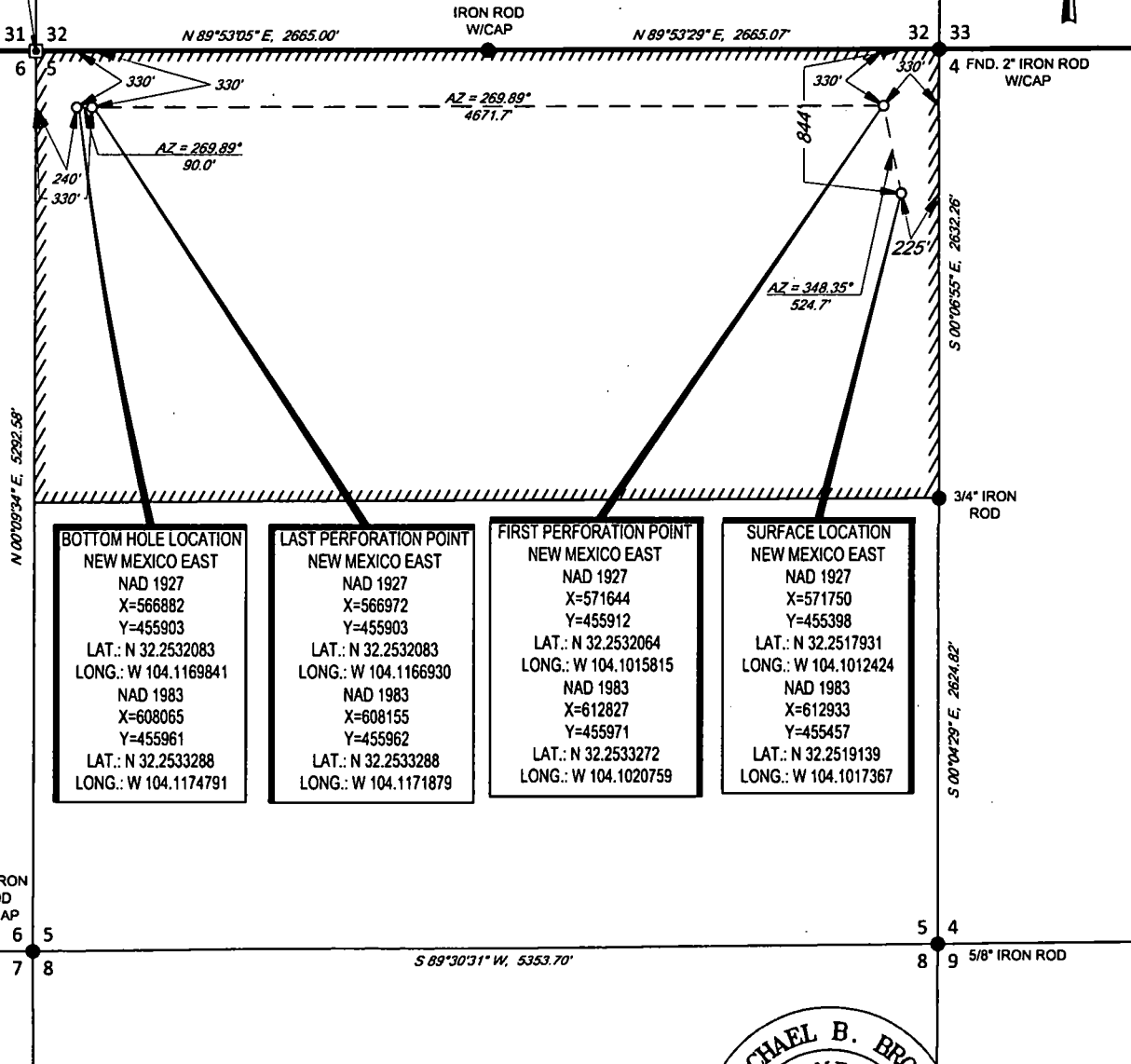
SCALE: 1" = 1000'
0' 500' 1000'



SECTION 5, TOWNSHIP 24-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



FND. BRASS CAP.
U.S. G.L.O. SUR.



BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1927
X=566882
Y=455903
LAT.: N 32.2532083
LONG.: W 104.1169841
NAD 1983
X=608065
Y=455961
LAT.: N 32.2533288
LONG.: W 104.1174791

LAST PERFORATION POINT
NEW MEXICO EAST
NAD 1927
X=566972
Y=455903
LAT.: N 32.2532083
LONG.: W 104.1166930
NAD 1983
X=608155
Y=455962
LAT.: N 32.2533288
LONG.: W 104.1171879

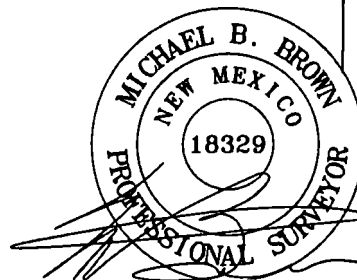
FIRST PERFORATION POINT
NEW MEXICO EAST
NAD 1927
X=571644
Y=455912
LAT.: N 32.2532064
LONG.: W 104.1015815
NAD 1983
X=612827
Y=455971
LAT.: N 32.2533272
LONG.: W 104.1020759

SURFACE LOCATION
NEW MEXICO EAST
NAD 1927
X=571750
Y=455398
LAT.: N 32.2517931
LONG.: W 104.1012424
NAD 1983
X=612933
Y=455457
LAT.: N 32.2519139
LONG.: W 104.1017367

LEASE NAME & WELL NO.: JIMMY KONE 05-24S-28E RB #241H
SECTION 5 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 844' FNL & 225' FEL

DISTANCE & DIRECTION
FROM INT. OF US-285 S. & NM-387. GO SOUTH ON US-285 S ±1.0 MILES.
THENCE SOUTHWEST (RIGHT) ON HIGBY HOLE RD. ±2.0 MILES TO A
POINT ±200 FEET EAST 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.



Michael Blake Brown, P.S. No. 18329
AUGUST 13, 2018



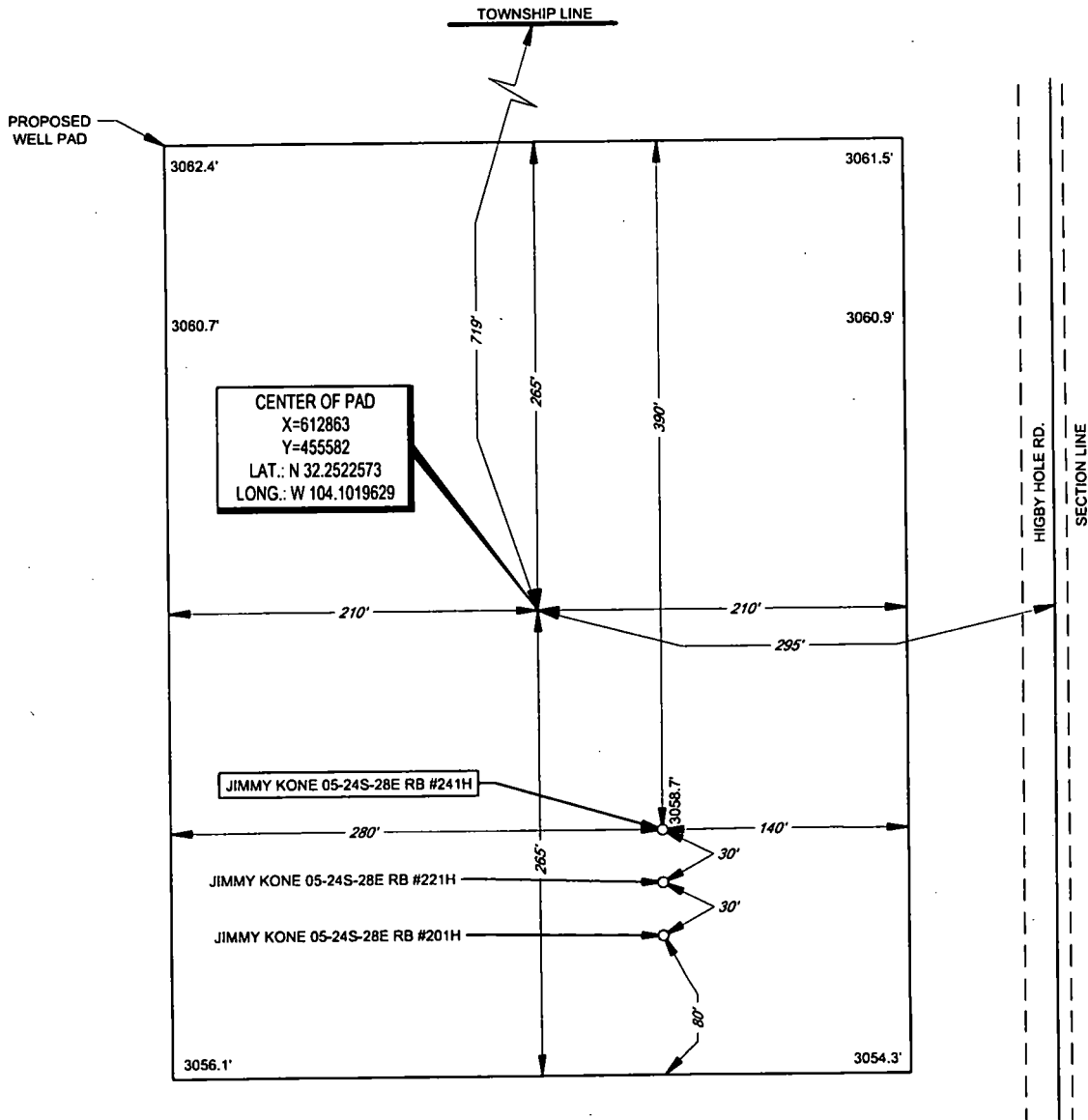
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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) 682-1743
WWW.TOPOGRAPHIC.COM



SECTION 5, TOWNSHIP 24-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: JIMMY KONE 05-24S-28E RB #241H
#241H LATITUDE N 32.2519139 #241H LONGITUDE W 104.1017367

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

LEGEND

- TOWNSHIP LINE
- SECTION LINE
- ROAD WAY

CENTER OF PAD IS 719' FNL & 295' FEL

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.



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) 787-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

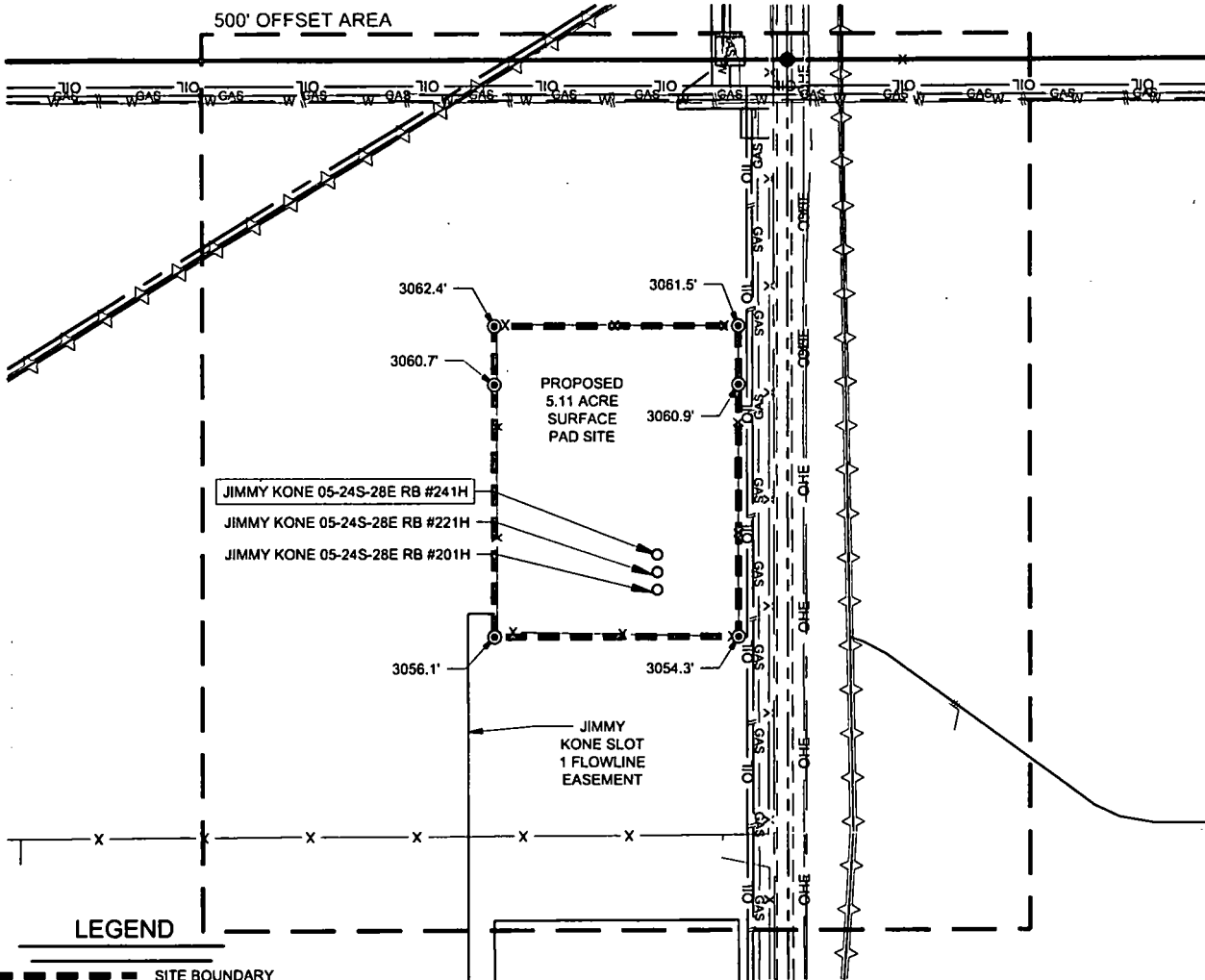
ORIGINAL DOCUMENT SIZE: 8.5" X 11"

SCALE: 1" = 300'

0' 150' 300'

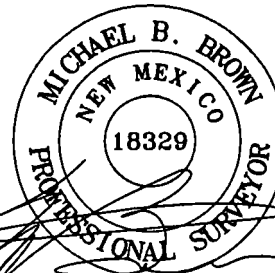
SECTION 5, TOWNSHIP 24-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

500' OFFSET AREA



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 148 • 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) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
AUGUST 13, 2018

JIMMY KONE 05-24S-28E RB
#241H
PROXIMITY MAP

REVISION:

INT DATE

DATE: 08/13/18

FILE: LO_JIMMY_KONE_05-24S-28E_RB_241H

DRAWN BY: MML

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.