



PHOENIX
TECHNOLOGY SERVICES

January 30, 2019

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

RECEIVED

MAR 1 8 2019

Dear District 2 - Artesia

DISTRICT II-ARTESIA O.C.D.

Re: Matador Resources
Rustler Breaks SWD 6
Eddy County, New Mexico
API #30-015-45034
Job No. 63977

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	
Erica C./Hirem R.	6	504	14,828	12/12/18	1/22/19	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 #: 63977
 Client: Matador
 County & State: Eddy County, NM
 Well: Rustler Breaks SWD 6
 API No: 30-015-45034
 Proposed Direction: 65.05

TIE-IN DATA

MD	TVD	INC	AZM	N/-S	E/-W	DATA SOURCE
401.00 ft	400.97 ft	1.19	32.14	1.89 N	4.06 E	Gyro
Data Source Company:						VES

SURVEY DATA

First Survey Date	First Survey Depth	INC	AZM
12-Dec-18	504 ft	1.81°	39.45°

Last Survey Date	Last Survey Depth	INC	AZM
22-Jan-19	14,828 ft	4.10°	309.26°

Projected TD Survey Date	Projected TD Survey Depth	INC	AZM
22-Jan-19	14,886 ft	4.10°	309.26°

Survey Instrument Type

Phoenix P-360 MWD

CORRECTION INFORMATION

Magnetic Declination Used	7.18 degrees
Grid Convergence Used	0.12 degrees
Total Correction	7.06 degrees

Corrected to True/Grid North

Grid North

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

Erica Cochrum/Hirem Ramirez 1/22/2019
 Field Engineer Signature Date

Matador Resources

Eddy County, NM (NAD83)

Rustler Breaks SWD

6

OH / 63977

Survey: Phoenix MWD Surveys

Standard Survey Report

23 January, 2019

Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well 6
Project:	Eddy County, NM (NAD83)	TVD Reference:	RKB @ 3079.50usft (Patterson 297)
Site:	Rustler Breaks SWD	MD Reference:	RKB @ 3079.50usft (Patterson 297)
Well:	6	North Reference:	Grid
Wellbore:	OH / 63977	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	USA Compass

Project:	Eddy County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Rustler Breaks SWD
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Site Position:		Northing:	453,782.56 usft	Latitude:	32° 14' 50.36388 N
From:	Lat/Long	Easting:	610,931.54 usft	Longitude:	104° 6' 29.59812 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.12 °

Well	6					
Well Position	+N/-S	0.00 usft	Northing:	453,782.56 usft	Latitude:	32° 14' 50.36388 N
	+E/-W	0.00 usft	Easting:	610,931.54 usft	Longitude:	104° 6' 29.59812 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,051.00 usft

Wellbore:	OH / 63977
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	12/30/2018	7.18	60.01	47,934.95478393

Design:	Surveys (Patterson 297)
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Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	65.05

Survey Program		Date: 1/23/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
54.50	401.00	VES Gyro Surveys (OH / 63977)	NS-GYRO-MS	North sensing gyrocompassing m/s
504.00	14,886.00	Phoenix MWD Surveys (OH / 63977)	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)
	401.00	1.19	32.14	400.97	1.89	4.06	4.48	0.00	0.00	0.00
Tie In										
	504.00	1.81	39.45	503.93	4.05	5.66	6.84	0.63	0.60	7.10
First Phoenix MWD Survey										
	595.00	1.58	41.55	594.89	6.10	7.41	9.29	0.26	-0.25	2.31
	685.00	1.40	75.30	684.86	7.30	9.29	11.51	0.98	-0.20	37.50
	777.00	1.32	43.92	776.84	8.35	11.12	13.60	0.80	-0.09	-34.11
	868.00	1.12	39.71	867.82	9.79	12.41	15.38	0.24	-0.22	-4.63
	958.00	1.21	38.83	957.80	11.21	13.57	17.03	0.10	0.10	-0.98

Survey Report

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Site:	Rustler Breaks SWD	MD Reference:	RKB @ 3079.50usft (Patterson 297)
Well:	6	North Reference:	Grid
Wellbore:	OH / 63977	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)
1,048.00	1.17	36.79	1,047.78	12.68	14.72	18.69	0.06	-0.04	-2.27
1,138.00	1.09	40.09	1,137.76	14.07	15.82	20.28	0.11	-0.09	3.67
1,229.00	0.96	42.68	1,228.75	15.30	16.89	21.77	0.15	-0.14	2.85
1,320.00	0.92	38.05	1,319.74	16.43	17.86	23.12	0.09	-0.04	-5.09
1,414.00	0.84	46.81	1,413.73	17.50	18.83	24.45	0.17	-0.09	9.32
1,507.00	0.90	37.70	1,506.71	18.54	19.77	25.75	0.16	0.06	-9.80
1,601.00	0.64	35.08	1,600.71	19.56	20.52	26.86	0.28	-0.28	-2.79
1,695.00	0.51	45.30	1,694.70	20.28	21.12	27.71	0.18	-0.14	10.87
1,788.00	0.50	68.15	1,787.70	20.72	21.79	28.50	0.22	-0.01	24.57
1,882.00	0.74	78.56	1,881.69	21.00	22.77	29.50	0.28	0.26	11.07
1,975.00	0.87	80.09	1,974.68	21.24	24.05	30.77	0.14	0.14	1.65
2,069.00	1.12	96.59	2,068.67	21.25	25.67	32.24	0.40	0.27	17.55
2,162.00	1.45	106.97	2,161.65	20.81	27.70	33.89	0.43	0.35	11.16
2,256.00	2.19	112.19	2,255.60	19.78	30.50	35.99	0.81	0.79	5.55
2,349.00	2.16	112.28	2,348.53	18.45	33.76	38.39	0.03	-0.03	0.10
2,442.00	1.70	111.52	2,441.48	17.27	36.67	40.53	0.50	-0.49	-0.82
2,536.00	1.49	115.90	2,535.44	16.23	39.07	42.27	0.26	-0.22	4.66
2,631.00	1.36	113.61	2,630.41	15.24	41.21	43.79	0.15	-0.14	-2.41
2,724.00	1.51	97.67	2,723.38	14.63	43.44	45.55	0.46	0.16	-17.14
2,817.00	1.20	103.40	2,816.36	14.24	45.60	47.35	0.36	-0.33	6.16
2,911.00	1.26	105.74	2,910.34	13.74	47.55	48.91	0.08	0.06	2.49
3,099.00	1.32	97.29	3,098.29	12.90	51.69	52.31	0.11	0.03	-4.49
3,192.00	1.16	103.81	3,191.27	12.54	53.66	53.95	0.23	-0.17	7.01
3,286.00	1.44	97.16	3,285.24	12.16	55.76	55.69	0.34	0.30	-7.07
3,379.00	1.03	109.13	3,378.22	11.75	57.71	57.28	0.52	-0.44	12.87
3,473.00	0.90	105.56	3,472.21	11.27	59.22	58.45	0.15	-0.14	-3.80
3,566.00	0.75	111.74	3,565.20	10.85	60.49	59.42	0.19	-0.16	6.65
3,660.00	0.87	98.14	3,659.19	10.52	61.76	60.44	0.24	0.13	-14.47
3,753.00	0.57	108.43	3,752.18	10.27	62.90	61.37	0.35	-0.32	11.06
3,845.00	0.74	98.40	3,844.17	10.04	63.92	62.20	0.22	0.18	-10.90
3,936.00	0.67	119.16	3,935.17	9.70	64.97	63.00	0.29	-0.08	22.81
4,123.00	0.63	120.37	4,122.16	8.64	66.81	64.22	0.02	-0.02	0.65
4,216.00	0.72	93.93	4,215.15	8.35	67.84	65.03	0.35	0.10	-28.43
4,310.00	0.53	110.80	4,309.14	8.15	68.83	65.85	0.28	-0.20	17.95
4,403.00	0.42	108.63	4,402.14	7.89	69.56	66.39	0.12	-0.12	-2.33
4,497.00	0.44	118.83	4,496.14	7.61	70.20	66.86	0.08	0.02	10.85
4,589.00	0.30	141.15	4,588.14	7.25	70.66	67.12	0.22	-0.15	24.26
4,682.00	0.12	121.47	4,681.14	7.01	70.90	67.24	0.21	-0.19	-21.16
4,776.00	0.06	201.21	4,775.14	6.91	70.96	67.26	0.13	-0.06	84.83
4,963.00	0.18	220.25	4,962.14	6.59	70.74	66.92	0.07	0.06	10.18
5,057.00	0.38	258.23	5,056.13	6.42	70.34	66.48	0.28	0.21	40.40
5,244.00	0.57	280.81	5,243.13	6.47	68.82	65.12	0.14	0.10	12.07
5,432.00	0.67	266.07	5,431.12	6.57	66.80	63.34	0.10	0.05	-7.84

Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well 6
Project:	Eddy County, NM (NAD83)	TVD Reference:	RKB @ 3079.50usft (Patterson 297)
Site:	Rustler Breaks SWD	MD Reference:	RKB @ 3079.50usft (Patterson 297)
Well:	6	North Reference:	Grid
Wellbore:	OH / 63977	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)
5,619.00	0.66	265.77	5,618.10	6.41	64.64	61.31	0.01	-0.01	-0.16
5,711.00	0.93	272.44	5,710.10	6.40	63.36	60.15	0.31	0.29	7.25
5,804.00	0.94	261.70	5,803.08	6.33	61.85	58.75	0.19	0.01	-11.55
5,897.00	1.06	262.63	5,896.07	6.11	60.24	57.20	0.13	0.13	1.00
5,989.00	1.08	257.94	5,988.05	5.82	58.55	55.54	0.10	0.02	-5.10
6,082.00	1.37	261.95	6,081.03	5.48	56.59	53.62	0.32	0.31	4.31
6,175.00	1.82	262.04	6,174.00	5.12	54.03	51.15	0.48	0.48	0.10
6,269.00	2.18	263.73	6,267.94	4.71	50.78	48.03	0.39	0.38	1.80
6,363.00	2.07	248.23	6,361.87	3.89	47.42	44.64	0.62	-0.12	-16.49
6,457.00	2.13	245.21	6,455.81	2.53	44.26	41.20	0.13	0.06	-3.21
6,550.00	2.34	240.98	6,548.74	0.88	41.03	37.57	0.29	0.23	-4.55
6,644.00	2.09	243.70	6,642.67	-0.81	37.82	33.95	0.29	-0.27	2.89
6,736.00	1.86	256.45	6,734.62	-1.90	34.86	30.81	0.54	-0.25	13.86
6,829.00	1.78	254.15	6,827.57	-2.65	32.00	27.90	0.12	-0.09	-2.47
6,923.00	1.69	258.60	6,921.53	-3.32	29.24	25.11	0.17	-0.10	4.73
7,016.00	1.45	254.19	7,014.49	-3.91	26.76	22.62	0.29	-0.26	-4.74
7,110.00	1.40	247.91	7,108.46	-4.67	24.56	20.29	0.17	-0.05	-6.68
7,203.00	1.28	244.98	7,201.44	-5.54	22.56	18.12	0.15	-0.13	-3.15
7,297.00	1.38	246.39	7,295.41	-6.43	20.57	15.94	0.11	0.11	1.50
7,390.00	1.27	254.44	7,388.39	-7.16	18.55	13.80	0.23	-0.12	8.66
7,484.00	1.40	241.57	7,482.36	-7.98	16.54	11.63	0.35	0.14	-13.69
7,578.00	1.50	232.30	7,576.33	-9.28	14.56	9.28	0.27	0.11	-9.86
7,665.00	1.42	248.10	7,663.27	-11.64	10.47	4.58	0.22	-0.04	8.45
7,859.00	1.58	236.12	7,857.24	-12.80	8.31	2.14	0.37	0.17	-12.74
7,952.00	1.48	247.29	7,950.21	-13.98	6.14	-0.33	0.34	-0.11	12.01
8,045.00	1.55	244.48	8,043.17	-14.99	3.90	-2.79	0.11	0.08	-3.02
8,139.00	1.68	243.65	8,137.14	-16.14	1.52	-5.43	0.14	0.14	-0.88
8,233.00	1.85	237.23	8,231.09	-17.58	-0.99	-8.31	0.28	0.18	-6.83
8,326.00	1.95	238.52	8,324.04	-19.22	-3.61	-11.37	0.12	0.11	1.39
8,420.00	1.54	224.69	8,418.00	-20.95	-5.86	-14.15	0.62	-0.44	-14.71
8,514.00	1.55	222.90	8,511.96	-22.78	-7.61	-16.51	0.05	0.01	-1.90
8,608.00	1.30	214.28	8,605.93	-24.59	-9.08	-18.60	0.35	-0.27	-9.17
8,702.00	1.09	204.16	8,699.91	-26.29	-10.04	-20.19	0.32	-0.22	-10.77
8,795.00	1.17	206.12	8,792.90	-27.95	-10.82	-21.60	0.10	0.09	2.11
8,889.00	1.18	211.32	8,886.88	-29.64	-11.75	-23.15	0.11	0.01	5.53
8,983.00	1.25	207.91	8,980.85	-31.37	-12.73	-24.78	0.11	0.07	-3.63
9,076.00	1.23	208.80	9,073.83	-33.14	-13.69	-26.39	0.03	-0.02	0.96
9,170.00	1.23	211.34	9,167.81	-34.89	-14.70	-28.04	0.06	0.00	2.70
9,264.00	1.43	203.67	9,261.79	-36.82	-15.69	-29.76	0.28	0.21	-8.16
9,357.00	1.54	205.41	9,354.75	-39.01	-16.70	-31.59	0.13	0.12	1.87
9,451.00	1.62	211.87	9,448.72	-41.28	-17.94	-33.68	0.21	0.09	6.87
9,638.00	2.01	215.36	9,635.62	-46.20	-21.23	-38.74	0.22	0.21	1.87
9,732.00	2.23	213.72	9,729.56	-49.07	-23.20	-41.73	0.24	0.23	-1.74
9,825.00	2.42	220.56	9,822.48	-52.06	-25.48	-45.07	0.36	0.20	7.35

Survey Report

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Well:	6	North Reference:	Grid
Wellbore:	OH / 63977	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	USA Compass

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)
9,919.00	2.50	222.20	9,916.40	-55.09	-28.15	-48.76	0.11	0.09	1.74
10,012.00	2.77	219.96	10,009.30	-58.32	-30.96	-52.67	0.31	0.29	-2.41
10,106.00	2.86	223.99	10,103.19	-61.74	-34.04	-56.91	0.23	0.10	4.29
10,199.00	3.11	225.83	10,196.06	-65.17	-37.47	-61.46	0.29	0.27	1.98
10,293.00	3.29	228.61	10,289.91	-68.73	-41.32	-66.45	0.25	0.19	2.96
10,333.00	3.43	227.12	10,329.84	-70.30	-43.06	-68.69	0.41	0.35	-3.73
10,483.00	3.51	228.42	10,479.57	-76.41	-49.78	-77.36	0.07	0.05	0.87
10,577.00	2.66	239.54	10,573.43	-79.42	-53.81	-82.29	1.10	-0.90	11.83
10,670.00	2.63	243.01	10,666.33	-81.48	-57.57	-86.57	0.18	-0.03	3.73
10,764.00	2.55	245.53	10,760.24	-83.33	-61.40	-90.82	0.15	-0.09	2.68
10,857.00	2.42	259.59	10,853.15	-84.54	-65.21	-94.79	0.67	-0.14	15.12
10,951.00	2.84	266.43	10,947.05	-85.04	-69.49	-98.88	0.56	0.45	7.28
11,044.00	2.20	257.15	11,039.96	-85.58	-73.53	-102.77	0.81	-0.69	-9.98
11,138.00	1.96	248.92	11,133.90	-86.56	-76.79	-106.13	0.41	-0.26	-8.76
11,231.00	1.63	261.06	11,226.85	-87.34	-79.58	-108.99	0.54	-0.35	13.05
11,325.00	1.52	266.33	11,320.82	-87.63	-82.14	-111.44	0.19	-0.12	5.61
11,419.00	1.45	259.20	11,414.79	-87.93	-84.56	-113.75	0.21	-0.07	-7.59
11,513.00	1.15	268.80	11,508.76	-88.17	-86.67	-115.77	0.39	-0.32	10.21
11,606.00	1.26	278.81	11,601.74	-88.04	-88.61	-117.48	0.25	0.12	10.76
11,700.00	1.36	285.26	11,695.72	-87.58	-90.71	-119.19	0.19	0.11	6.86
11,793.00	0.99	272.89	11,788.70	-87.25	-92.57	-120.74	0.48	-0.40	-13.30
11,887.00	1.41	320.46	11,882.68	-86.32	-94.12	-121.75	1.11	0.45	50.61
11,980.00	1.60	318.93	11,975.65	-84.46	-95.70	-122.40	0.21	0.20	-1.65
12,074.00	1.34	306.32	12,069.62	-82.82	-97.45	-123.29	0.44	-0.28	-13.41
12,168.00	0.95	315.03	12,163.60	-81.62	-98.89	-124.09	0.45	-0.41	9.27
12,261.00	0.89	303.85	12,256.59	-80.67	-100.03	-124.72	0.20	-0.06	-12.02
12,355.00	0.90	281.89	12,350.58	-80.11	-101.36	-125.69	0.36	0.01	-23.36
12,448.00	1.04	276.35	12,443.56	-79.87	-102.91	-127.00	0.18	0.15	-5.96
12,542.00	1.28	276.18	12,537.54	-79.66	-104.81	-128.63	0.26	0.26	-0.18
12,635.00	1.60	286.16	12,630.51	-79.19	-107.09	-130.49	0.44	0.34	10.73
12,729.00	1.90	270.38	12,724.47	-78.81	-109.90	-132.89	0.60	0.32	-16.79
12,822.00	2.09	263.56	12,817.41	-78.99	-113.13	-135.89	0.33	0.20	-7.33
12,916.00	1.95	248.15	12,911.36	-79.78	-116.32	-139.12	0.59	-0.15	-16.39
13,009.00	2.31	246.62	13,004.29	-81.11	-119.51	-142.57	0.39	0.39	-1.65
13,102.00	2.46	250.58	13,097.21	-82.52	-123.11	-146.43	0.24	0.16	4.26
13,196.00	2.83	252.46	13,191.11	-83.89	-127.23	-150.74	0.40	0.39	2.00
13,289.00	2.96	251.13	13,283.99	-85.36	-131.69	-155.40	0.16	0.14	-1.43
13,383.00	3.15	263.66	13,377.86	-86.43	-136.55	-160.26	0.74	0.20	13.33
13,476.00	3.14	261.34	13,470.72	-87.09	-141.61	-165.13	0.14	-0.01	-2.49
13,570.00	3.15	264.44	13,564.58	-87.73	-146.72	-170.04	0.18	0.01	3.30
13,664.00	3.53	271.66	13,658.42	-87.90	-152.19	-175.06	0.60	0.40	7.68
13,758.00	4.63	282.97	13,752.18	-86.96	-158.78	-180.64	1.44	1.17	12.03
13,788.00	4.84	286.07	13,782.08	-86.34	-161.17	-182.55	1.10	0.70	10.33

Survey Report

Company:	Matador Resources	Local Co-ordinate Reference:	Well 6
Project:	Eddy County, NM (NAD83)	TVD Reference:	RKB @ 3079.50usft (Patterson 297)
Site:	Rustler Breaks SWD	MD Reference:	RKB @ 3079.50usft (Patterson 297)
Well:	6	North Reference:	Grid
Wellbore:	OH / 63977	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)
13,885.00	5.09	307.12	13,878.72	-82.61	-168.54	-187.66	1.88	0.26	21.70
13,979.00	4.90	308.58	13,972.37	-77.59	-175.00	-191.40	0.24	-0.20	1.55
14,074.00	5.09	308.65	14,067.00	-72.43	-181.46	-195.08	0.20	0.20	0.07
14,168.00	4.74	313.21	14,160.66	-67.16	-187.55	-198.38	0.56	-0.37	4.85
14,262.00	4.37	320.01	14,254.36	-61.76	-192.68	-200.75	0.70	-0.39	7.23
14,356.00	3.57	318.60	14,348.14	-56.82	-196.92	-202.51	0.86	-0.85	-1.50
14,450.00	3.44	318.00	14,441.96	-52.53	-200.74	-204.17	0.14	-0.14	-0.64
14,544.00	3.12	320.31	14,535.81	-48.47	-204.26	-205.65	0.37	-0.34	2.46
14,639.00	3.33	323.94	14,630.66	-44.25	-207.54	-206.84	0.31	0.22	3.82
14,733.00	3.84	315.19	14,724.47	-39.81	-211.36	-208.43	0.79	0.54	-9.31
14,828.00	4.10	309.26	14,819.24	-35.40	-216.24	-210.99	0.51	0.27	-6.24
Final Phoenix MWD Survey									
14,886.00	4.10	309.26	14,877.10	-32.77	-219.45	-212.79	0.00	0.00	0.00
Projection to TD									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
401.00	400.97	1.89	4.06	Tie In
504.00	503.93	4.05	5.66	First Phoenix MWD Survey
14,828.00	14,819.24	-35.40	-216.24	Final Phoenix MWD Survey
14,886.00	14,877.10	-32.78	-219.45	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

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		² Pool Code		³ Pool Name					
⁴ Property Code		⁵ Property Name RUSTLER BREAKS SWD						⁶ Well Number #6	
⁷ OGRID No.		⁸ Operator Name BLACK RIVER WATER MANAGEMENT COMPANY, LLC						⁹ Elevation 3051'	
¹⁰ Surface Location									
UL or lot no. G	Section 5	Township 24-S	Range 28-E	Lot Idn -	Feet from the 2515'	North/South line NORTH	Feet from the 2230'	East/West line EAST	County EDDY
¹¹ 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 -
¹² Dedicated Acres 40		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.

	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 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.	
	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	

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State of New Mexico
Energy, Minerals & Natural Resources
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1220 South St. Francis Dr.
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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	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name RUSTLER BREAKS SWD	⁶ Well Number #6
⁷ OGRID No.	⁸ Operator Name BLACK RIVER WATER MANAGEMENT COMPANY, LLC	⁹ Elevation 3051'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	5	24-S	28-E	-	2515'	NORTH	2230'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

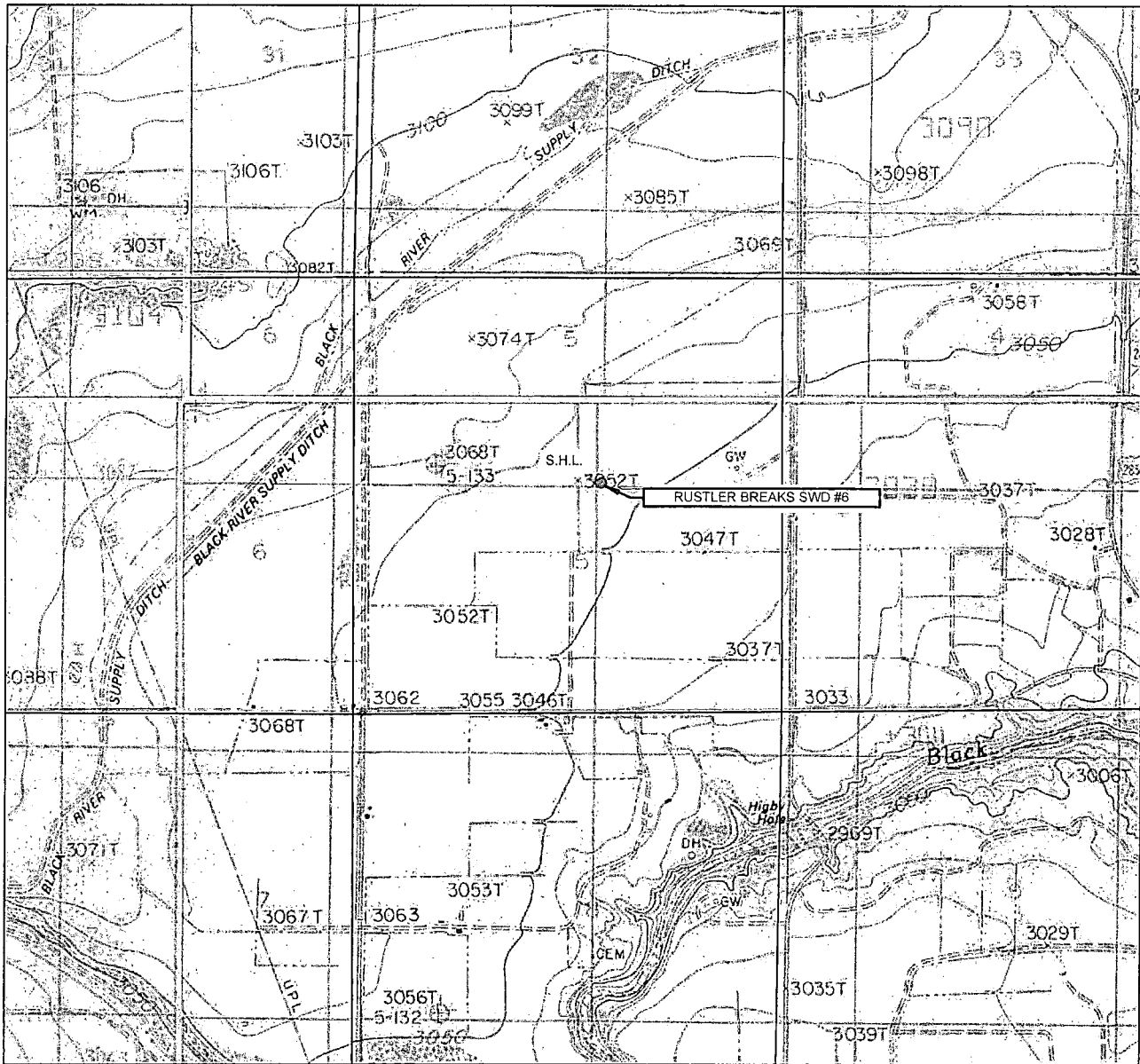
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
-	-	-	-	-	-	-	-	-	-

¹² Dedicated Acres 40	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.

16 NAD 27 X=569307.33 Y=454916.91 NAD 83 X=610490.36 Y=454975.60 NAD 27 X=570641.54 Y=454920.05 NAD 83 X=611824.59 Y=454978.76 SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=569748 Y=453724 LAT.: N 32.2472026 LONG.: W 104.1077273 NAD 1983 X=610932 Y=453783 LAT.: N 32.2473233 LONG.: W 104.1082217 2515' 442' 123' 2230' NAD 27 X=569306.56 Y=453598.71 NAD 83 X=610489.62 Y=453657.37 NAD 27 X=570642.46 Y=453604.30 NAD 83 X=611825.54 Y=453662.98	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 <u>10/25/2018</u> Signature and Seal of Professional Surveyor Certificate Number _____

LOCATION & ELEVATION VERIFICATION MAP



BLACK RIVER WATER MANAGEMENT COMPANY, LLC.

LEASE NAME & WELL NO.: RUSTLER BREAKS SWD #6

SECTION 5 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 3051'
DESCRIPTION 2515' FNL & 2230' FEL

LATITUDE N 32.2473233 LONGITUDE W 104.1082217



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

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 BLACK RIVER WATER MANAGEMENT COMPANY, LLC. 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.

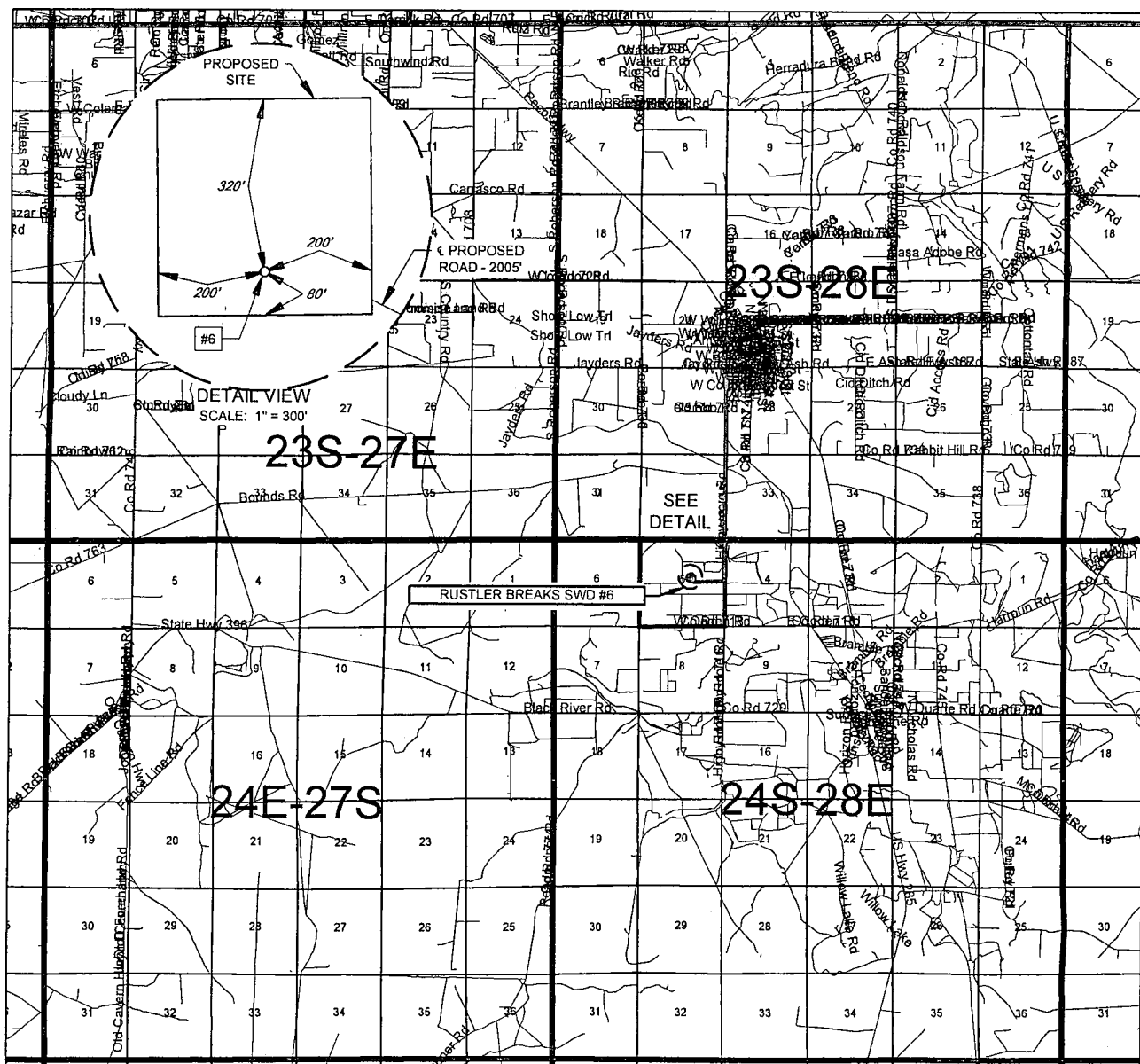
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



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) 682-1743
WWW.TOPOGRAPHIC.COM

VICINITY MAP



BLACK RIVER WATER MANAGEMENT COMPANY, LLC.

LEASE NAME & WELL NO.: RUSTLER BREAKS SWD #6

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

COUNTY EDDY STATE NM

DESCRIPTION 2515' FNL & 2230' 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. ±2.3 MILES THENCE
WEST (RIGHT) ON A PROPOSED RD. ±2005 FEET TO A POINT ±207 FEET
SOUTHEAST 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 BLACK RIVER WATER MANAGEMENT COMPANY, LLC. 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' 500' 1000'



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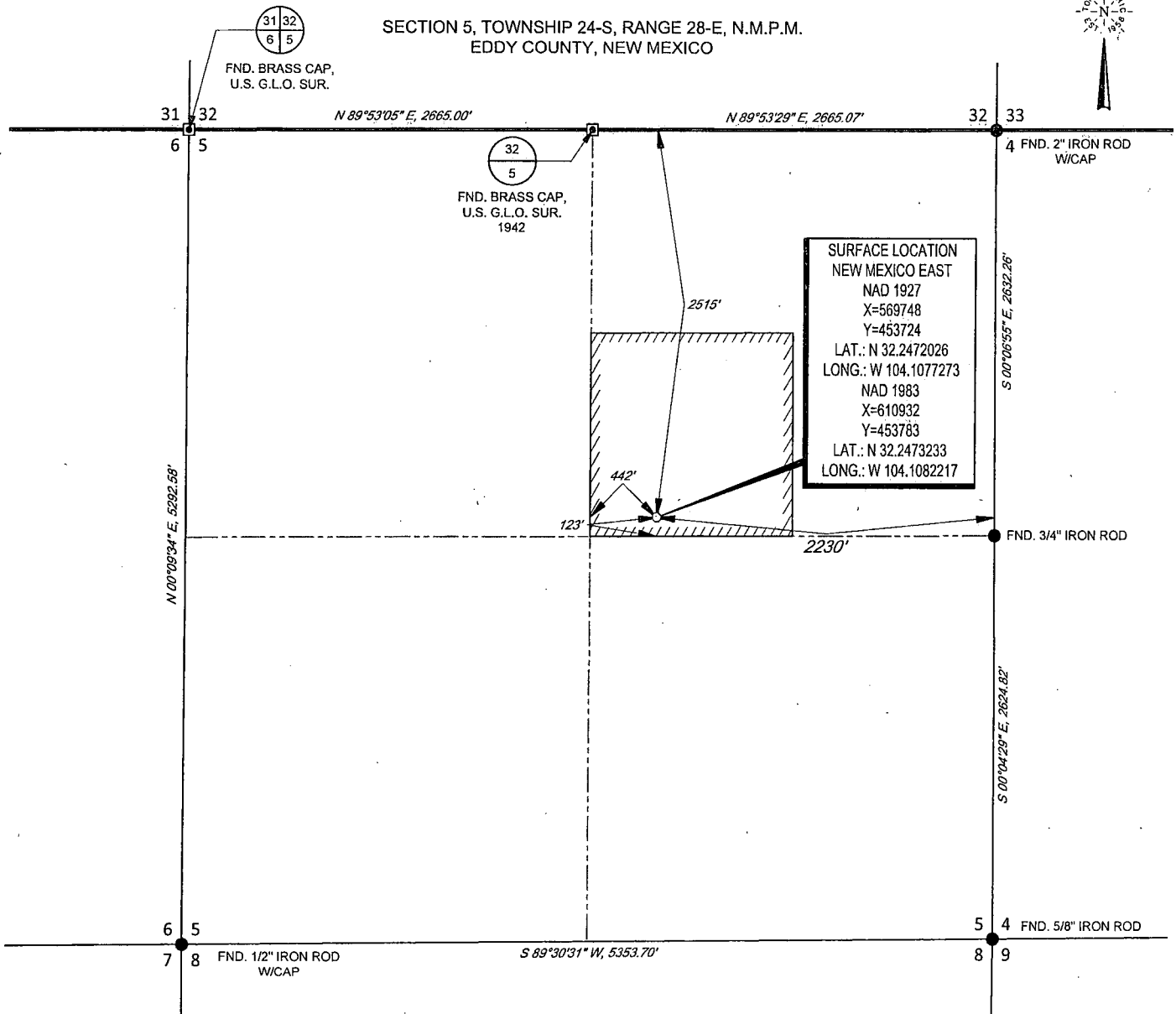
WWW.TOPOGRAPHIC.COM

SCALE: 1" = 1000'

0' 500' 1000'

BLACK RIVER WATER MANAGEMENT COMPANY, LLC.

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



LEASE NAME & WELL NO.: RUSTLER BREAKS SWD #6

SECTION 5 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 2515' FNL & 2230' FEL

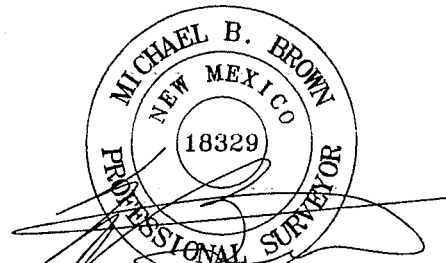
DISTANCE & DIRECTION

FROM INT. OF US-285 S. & NM-387. GO SOUTH ON US-285 S ±1.0 MILES. THENCE SOUTHWEST (RIGHT) ON HIGBY HOLE RD. ±2.3 MILES THENCE WEST (RIGHT) ON A PROPOSED RD. ±2005 FEET TO A POINT ±207 FEET SOUTHEAST 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 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 BLACK RIVER WATER MANAGEMENT COMPANY, LLC. 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
OCTOBER 25, 2018



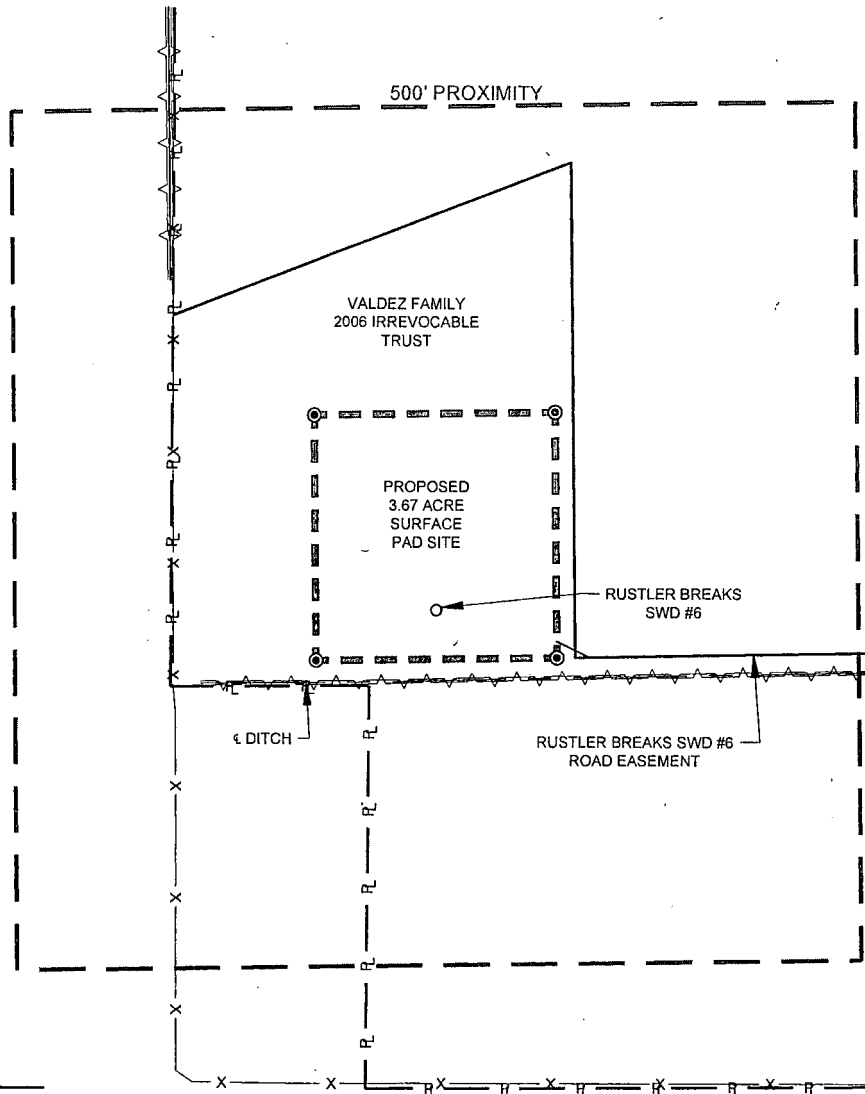
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SCALE: 1" = 300'

0' 150' 300'

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



LEGEND

- SITE BOUNDARY
- 500' OFFSET
- R --- TRACT BORDER
- X --- FENCE LINE
- V --- TOP OF DITCH
- IRRIGATION
- IRON ROD SET



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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WWW.TOPOGRAPHIC.COM

**BLACK RIVER WATER
MANAGEMENT COMPANY, LLC.**



Michael Blake Brown, P.S. No. 18329
OCTOBER 25, 2018

RUSTLER BREAKS SWD #6	REVISION:		NOTES:
	AMD	5/17/2018	
	EAH	10/25/2018	
DATE: 04/06/2018			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 BLACK RIVER WATER MANAGEMENT COMPANY, LLC. 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. P.O.B. = POINT OF BEGINNING 5. E.O.L. = END OF LINE 6. ADJOINER INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.
FILE: LO_RUSTLER BREAKS_SWD_6_REV2			
DRAWN BY: IMU			
SHEET: 7 OF 7			