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

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JAN 30 2020

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

EMNRD-OCD ARTESIA

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45442	² Pool Code 96101	³ Pool Name SWD; DEVONIAN
⁴ Property Code 322869	⁵ Property Name FAULK SWD	⁶ Well Number #7
⁷ OGRID No. 371287	⁸ Operator Name BLACK RIVER WATER MANAGEMENT COMPANY, LLC	⁹ Elevation 3026'

¹⁰Surface Location

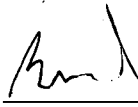
UL or lot no. P	Section 32	Township 22-S	Range 28-E	Lot Idn -	Feet from the 161'	North/South line SOUTH	Feet from the 515'	East/West line EAST	County EDDY
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. -	Section -	Township -	Range -	Lot Idn -	Feet from the -	North/South line -	Feet from the -	East/West line -	County -
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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 SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=571552 Y=488298 LAT.: N 32.3422330 LONG.: W 104.1016532 NAD 1983 X=612734 Y=488357 LAT.: N 32.3423531 LONG.: W 104.1021506 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.  1/13/2021 Signature Date Brooks Vershoyale Printed Name BVershoyale@matadorresources.com E-mail Address 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. 08/22/2018 Date of Survey MICHAEL BROWN NEW MEXICO 18329 PROFESSIONAL SURVEYOR Certificate Number
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JAN 30 2020

EMNRD-OCD ARTESIA

7821 Will Rogers Blvd.
Fort Worth, Texas 76140
817.568.1038 (office)
817.568.1499 (fax)
www.msdir.com

MS Directional Survey Data Certification

MS Directional Job Number: MSMO-71770
Survey Type: MWD
Operating Company: BLACK RIVER WATER MANAGEMENT COMPANY, LLC
~~Matador Production Co.~~
Well Name & Number: Faulk SWD #007
Location: Eddy County, NM
API Number: 30-015-45442
Tie In Depth: Surface
Surveyed Depths: 108' – 14,451' MD
Projected TD Survey: 14,510' MD
Dates Performed: 11/13/2019 – 12/09/2019

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Directional; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional.

Matt Richmond

Digitally signed by:

MWD Surveyor Name: William Richmond

Date: 01-07-2020

Email: William.Richmond@msdir.com

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SURVEY CALCULATION PROGRAM

1/7/20 16:30

Company:		Matador Production Co. Black River Water Management Company, LLC									
Well Name:		Faulk SWD #007									
Location:		Eddy County, NM									
Rig:		Patterson #282				Magnetic Declination:		6.98		REFERENCED TO GRID NORTH	
Job Number:		MSMO-71770									
API #:		30-015-45442									
Vertical Section Azimuth:				0.00		Proposed Direction:		0.00			
Survey Calculation Method:				Minimum Curvature							
PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	14,510	3.90	301.40	14505.15	18.49	-71.56	18.49				
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'
33	5,941	0.60	73.70	5939.71	-34.09	109.65	-34.09	114.83	107.27	0.14	-0.11
34	6,129	0.80	69.20	6127.70	-33.35	111.82	-33.35	116.69	106.61	0.11	0.11
35	6,317	0.70	9.30	6315.68	-31.75	113.24	-31.75	117.60	105.66	0.40	-0.05
36	6,505	0.80	326.80	6503.67	-29.52	112.70	-29.52	116.51	104.68	0.29	0.05
37	6,693	0.40	309.10	6691.66	-28.01	111.48	-28.01	114.94	104.10	0.23	-0.21
38	6,882	0.90	298.10	6880.65	-26.89	109.65	-26.89	112.90	103.78	0.27	0.26
39	7,070	1.10	310.80	7068.62	-25.02	106.99	-25.02	109.87	103.16	0.16	0.11
40	7,259	1.10	304.10	7257.58	-22.82	104.11	-22.82	106.58	102.36	0.07	0.00
41	7,448	1.20	295.10	7446.54	-20.96	100.82	-20.96	102.97	101.74	0.11	0.05
42	7,637	1.10	275.30	7635.51	-19.95	97.22	-19.95	99.24	101.60	0.22	-0.05
43	7,826	1.10	276.80	7824.47	-19.57	93.61	-19.57	95.63	101.81	0.02	0.00
44	8,015	0.90	249.60	8013.44	-19.87	90.42	-19.87	92.58	102.40	0.27	-0.11
45	8,203	0.60	226.80	8201.43	-21.06	88.32	-21.06	90.79	103.41	0.22	-0.16
46	8,392	0.80	199.00	8390.41	-22.99	87.17	-22.99	90.15	104.77	0.21	0.11
47	8,580	0.80	200.70	8578.40	-25.46	86.27	-25.46	89.95	106.44	0.01	0.00
48	8,769	0.60	231.00	8767.38	-27.31	85.04	-27.31	89.32	107.81	0.22	-0.11
49	8,959	0.80	230.00	8957.37	-28.79	83.25	-28.79	88.09	109.08	0.11	0.11
50	9,148	0.60	226.00	9146.35	-30.33	81.53	-30.33	86.98	110.40	0.11	-0.11
51	9,337	0.50	230.70	9335.35	-31.54	80.18	-31.54	86.16	111.47	0.06	-0.05
52	9,525	0.30	257.30	9523.34	-32.16	79.06	-32.16	85.35	112.14	0.14	-0.11
53	9,714	0.70	282.10	9712.33	-32.03	77.45	-32.03	83.81	112.47	0.24	0.21
54	9,901	0.90	275.50	9899.32	-31.65	74.87	-31.65	81.29	112.92	0.12	0.11
55	9,995	1.00	260.50	9993.30	-31.72	73.33	-31.72	79.89	113.39	0.28	0.11
56	10,195	1.00	268.20	10193.27	-32.06	69.86	-32.06	76.87	114.65	0.07	0.00
57	10,387	1.10	263.30	10385.24	-32.33	66.36	-32.33	73.81	115.97	0.07	0.05
58	10,575	1.40	271.10	10573.19	-32.49	62.27	-32.49	70.24	117.56	0.18	0.16
59	10,763	1.50	276.50	10761.13	-32.17	57.53	-32.17	65.91	119.21	0.09	0.05
60	10,952	1.40	274.30	10950.07	-31.72	52.77	-31.72	61.57	121.01	0.06	-0.05
61	11,141	1.50	275.70	11139.01	-31.30	48.00	-31.30	57.31	123.10	0.06	0.05
62	11,328	1.40	274.10	11325.95	-30.89	43.29	-30.89	53.18	125.51	0.06	-0.05
63	11,523	1.60	273.10	11520.89	-30.57	38.19	-30.57	48.92	128.68	0.10	0.10
64	11,711	1.40	279.60	11708.82	-30.05	33.31	-30.05	44.86	132.05	0.14	-0.11
65	11,899	1.40	274.80	11896.77	-29.47	28.76	-29.47	41.18	135.71	0.06	0.00



SURVEY CALCULATION PROGRAM

1/7/20 16:30

Company: **Matador Production Co. Black River Water Management Company, LLC**
 Well Name: **Faulk SWD #007**
 Location: **Eddy County, NM**
 Rig: **Patterson #282** Magnetic Declination: **6.98** REFERENCED TO GRID NORTH
 Job Number: **MSMO-71770**
 API #: **30-015-45442**

Vertical Section Azimuth: **0.00** Proposed Direction: **0.00**

Survey Calculation Method: **Minimum Curvature**

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	14,510	3.90	301.40	14505.15	18.49	-71.56	18.49				
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100

TIE IN	0	0.00	0.00	0.00	0.00	0.00		0.00			
1	108	0.40	227.10	108.00	-0.26	-0.28	-0.26	0.38	227.10	0.37	0.37
2	230	0.50	88.89	230.00	-0.54	-0.06	-0.54	0.54	185.95	0.69	0.08
3	403	1.00	107.90	402.98	-0.99	2.14	-0.99	2.35	114.78	0.32	0.29
4	491	1.20	96.80	490.97	-1.33	3.78	-1.33	4.01	109.39	0.33	0.23
5	677	1.00	105.00	676.93	-1.98	7.28	-1.98	7.55	105.22	0.14	-0.11
6	862	0.70	100.70	861.91	-2.61	9.95	-2.61	10.29	104.69	0.17	-0.16
7	1,044	0.50	111.00	1043.90	-3.10	11.79	-3.10	12.19	104.74	0.12	-0.11
8	1,233	0.70	107.40	1232.89	-3.74	13.66	-3.74	14.16	105.32	0.11	0.11
9	1,422	0.70	101.10	1421.88	-4.31	15.89	-4.31	16.47	105.17	0.04	0.00
10	1,610	0.80	110.60	1609.86	-4.99	18.25	-4.99	18.92	105.30	0.08	0.05
11	1,798	1.40	114.60	1797.83	-6.41	21.56	-6.41	22.50	106.55	0.32	0.32
12	1,986	1.80	114.60	1985.75	-8.59	26.34	-8.59	27.70	108.07	0.21	0.21
13	2,174	1.80	110.60	2173.66	-10.86	31.79	-10.86	33.59	108.87	0.07	0.00
14	2,362	1.70	106.40	2361.57	-12.69	37.22	-12.69	39.33	108.82	0.09	-0.05
15	2,562	1.50	105.70	2561.49	-14.23	42.59	-14.23	44.91	108.48	0.10	-0.10
16	2,739	1.50	106.60	2738.43	-15.52	47.04	-15.52	49.54	108.26	0.01	0.00
17	2,927	1.60	107.30	2926.36	-17.01	51.91	-17.01	54.62	108.14	0.05	0.05
18	3,115	1.40	104.80	3114.30	-18.37	56.63	-18.37	59.54	107.98	0.11	-0.11
19	3,303	1.50	116.80	3302.24	-20.07	61.05	-20.07	64.26	108.20	0.17	0.05
20	3,491	1.50	116.60	3490.18	-22.28	65.44	-22.28	69.13	108.80	0.00	0.00
21	3,678	1.30	103.70	3677.12	-23.88	69.69	-23.88	73.67	108.91	0.20	-0.11
22	3,866	1.40	107.40	3865.07	-25.07	73.96	-25.07	78.09	108.73	0.07	0.05
23	4,054	1.10	111.40	4053.02	-26.42	77.83	-26.42	82.19	108.75	0.17	-0.16
24	4,243	1.30	115.20	4241.98	-27.99	81.46	-27.99	86.13	108.96	0.11	0.11
25	4,433	1.40	109.90	4431.93	-29.70	85.59	-29.70	90.60	109.14	0.08	0.05
26	4,621	1.20	114.30	4619.88	-31.29	89.54	-31.29	94.85	109.26	0.12	-0.11
27	4,809	1.10	111.70	4807.84	-32.77	93.02	-32.77	98.62	109.41	0.06	-0.05
28	4,998	1.10	105.20	4996.81	-33.91	96.45	-33.91	102.24	109.37	0.07	0.00
29	5,187	1.00	88.80	5185.78	-34.36	99.85	-34.36	105.60	108.99	0.17	-0.05
30	5,376	0.60	83.90	5374.76	-34.22	102.48	-34.22	108.05	108.46	0.21	-0.21
31	5,563	0.80	96.70	5561.74	-34.26	104.75	-34.26	110.22	108.11	0.14	0.11
32	5,752	0.80	89.00	5750.72	-34.40	107.38	-34.40	112.76	107.76	0.06	0.00



SURVEY CALCULATION PROGRAM

1/7/20 16:30

Company:	Matador Production Co. Black River Water Management Company, LLC		
Well Name:	Faulk SWD #007		
Location:	Eddy County, NM		
Rig:	Patterson #282	Magnetic Declination:	6.98
Job Number:	MSMO-71770		
API #:	30-015-45442		

Vertical Section Azimuth:	0.00	Proposed Direction:	0.00
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Survey Calculation Method:	Minimum Curvature
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PTB:	MD	INC	AZM	TVD	N/S	E/W	VS
	14,510	3.90	301.40	14505.15	18.49	-71.56	18.49

#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'
66	12,088	1.80	291.70	12085.69	-28.18	23.70	-28.18	36.82	139.94	0.33	0.21
67	12,276	1.80	290.20	12273.60	-26.07	18.18	-26.07	31.79	145.11	0.03	0.00
68	12,464	1.70	297.50	12461.51	-23.76	12.94	-23.76	27.06	151.43	0.13	-0.05
69	12,653	1.90	302.90	12650.42	-20.77	7.82	-20.77	22.19	159.36	0.14	0.11
70	12,841	2.00	296.70	12838.31	-17.60	2.27	-17.60	17.75	172.64	0.12	0.05
71	13,029	2.00	296.10	13026.20	-14.68	-3.60	-14.68	15.12	193.79	0.01	0.00
72	13,123	2.00	299.60	13120.14	-13.15	-6.50	-13.15	14.67	206.31	0.13	0.00
73	13,217	2.10	302.60	13214.08	-11.41	-9.38	-11.41	14.77	219.41	0.16	0.11
74	13,311	2.40	301.90	13308.01	-9.45	-12.50	-9.45	15.67	232.92	0.32	0.32
75	13,405	2.30	306.90	13401.93	-7.27	-15.68	-7.27	17.28	245.12	0.24	-0.11
76	13,438	2.40	310.80	13434.90	-6.42	-16.73	-6.42	17.92	249.00	0.57	0.30
77	13,600	2.70	303.90	13596.74	-2.08	-22.47	-2.08	22.56	264.71	0.26	0.19
78	13,694	2.80	290.20	13690.63	-0.05	-26.46	-0.05	26.46	269.89	0.71	0.11
79	13,788	3.10	287.00	13784.51	1.48	-31.05	1.48	31.08	272.74	0.36	0.32
80	13,886	3.20	285.80	13882.36	3.00	-36.21	3.00	36.34	274.74	0.12	0.10
81	13,981	3.30	287.60	13977.21	4.55	-41.37	4.55	41.62	276.28	0.15	0.11
82	14,075	3.30	288.60	14071.05	6.23	-46.51	6.23	46.93	277.63	0.06	0.00
83	14,168	3.40	296.10	14163.89	8.30	-51.53	8.30	52.19	279.15	0.48	0.11
84	14,262	3.70	291.90	14257.71	10.66	-56.84	10.66	57.83	280.62	0.42	0.32
85	14,356	3.90	297.10	14351.51	13.25	-62.50	13.25	63.89	281.96	0.42	0.21
86	14,451	3.90	301.40	14446.29	16.40	-68.14	16.40	70.08	283.53	0.31	0.00
PTB:	14,510	3.90	301.40	14505.15	18.49	-71.56	18.49	73.91	284.49	0.00	0.00