

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Marathon Oil Permian LLC 990 Town & Country Blvd. Houston, TX 77024		² OGRID Number 372098
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-48768	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 331320	⁸ Property Name RICK VAUGHN 7 WA FEDERAL COM	⁹ Well Number 6H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
I4	7	26S	29E		270	South	1290	West	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	6	26S	29E		100	North	1643	West	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	WESTERN REFINING COMPANY, L.P. 15 Smith Road Suite 1000 Midland, TX 79705	O
373554	Saltcreek Midstream LLC 5775 N Sam Houston Pkwy W Suite #600 Houston, TX 77086	G

IV. Well Completion Data

²¹ Spud Date 8/25/2022	²² Ready Date 1/31/2023	²³ TD 20061'	²⁴ PBDT 20048.6'	²⁵ Perforations 9878-19821'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2	13 3/8	362.79 398	525 sxs cmt		
12 1/4	9 5/8	9130.67 9165	2355 sxs cmt		
8 1/2	5 1/2	20029.86 20061	4120 sxs cmt		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 2 /14/2023	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2333
³⁷ Choke Size 46/64	³⁸ Oil 2311.20	³⁹ Water 6264	⁴⁰ Gas 7797.60		⁴¹ Test Method F
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Nicole Lee</i>			OIL CONSERVATION DIVISION		
Printed name: Nicole Lee			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Regulatory Analyst			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: njlee@marathonoil.com			Approval Date: <i>11/7/2024</i>		
Date: 2/16/2023		Phone: 713-296-2169			

Phoenix Technology Services
Design Report 17-Sep-2022 06:50:17

Marathon Oil Permian LLC

Rick Vaughn 7 WA Fed Com Rick Vaughn 7 WA Fed Com 6H
Eddy County, NM (NAD27-NME)
OH / 70446
Surveys (Cactus 169)

Surface Loc.:

Northing: (Y) 382233.13
Easting: (X) 594758.83
RKB Elev: 2934.60'
GL Elev: 2911.00'

Survey Type Information:

H 150.00 - 20061.00 PHONEIX MWD SURVEYS : MWD+IFR1

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coc (+N/-S) (ft)	(+E/-W) (ft)	Map Coordinates		Geogr		Vertical Section (ft)	Dogleg Rate (ft)	Annotation
							Northings (ft)	Eastings (ft)	Latitude	Longitude			
0	0	0	-2934.6	0	0	0	382233.1	594758.8	32° 3' 1.82	104° 1' 38.	0	0	
150	0.53	313.61	-2784.6	150	0.48	-0.5	382233.6	594758.3	32° 3' 1.82	104° 1' 38.	0.48	0.35	First Phoenix MWD Survey
238	0.23	291.32	-2696.6	238	0.82	-0.96	382234	594757.9	32° 3' 1.83	104° 1' 38.	0.83	0.37	
316	0.13	214.54	-2618.6	316	0.81	-1.16	382233.9	594757.7	32° 3' 1.83	104° 1' 38.	0.81	0.3	
420	0.42	328.19	-2514.61	419.99	1.03	-1.43	382234.2	594757.4	32° 3' 1.83	104° 1' 38.	1.04	0.47	
513	0.46	310.21	-2421.61	512.99	1.56	-1.89	382234.7	594756.9	32° 3' 1.83	104° 1' 38.	1.57	0.15	
603	0.61	305.06	-2331.61	602.99	2.07	-2.56	382235.2	594756.3	32° 3' 1.84	104° 1' 38.	2.08	0.17	
693	0.99	296.38	-2241.62	692.98	2.69	-3.65	382235.8	594755.2	32° 3' 1.84	104° 1' 39.	2.7	0.44	
782	1.61	296.36	-2152.64	781.96	3.59	-5.46	382236.7	594753.4	32° 3' 1.85	104° 1' 39.	3.6	0.7	
872	1.93	283.14	-2062.69	871.91	4.5	-8.06	382237.6	594750.8	32° 3' 1.86	104° 1' 39.	4.52	0.57	
962	2.59	272.23	-1972.76	961.84	4.92	-11.57	382238.1	594747.3	32° 3' 1.87	104° 1' 39.	4.95	0.87	
1053	2.57	280.06	-1881.85	1052.75	5.36	-15.64	382238.5	594743.2	32° 3' 1.87	104° 1' 39.	5.39	0.39	
1143	2.24	279.65	-1791.93	1142.67	6	-19.36	382239.1	594739.5	32° 3' 1.88	104° 1' 39.	6.05	0.37	
1232	1	175	-1702.95	1231.65	5.52	-21	382238.7	594737.8	32° 3' 1.87	104° 1' 39.	5.57	3	
1327	2.25	128.03	-1607.99	1326.61	3.55	-19.46	382236.7	594739.4	32° 3' 1.85	104° 1' 39.	3.59	1.82	
1422	6.13	113.17	-1513.26	1421.34	0.4	-13.33	382233.5	594745.5	32° 3' 1.82	104° 1' 39.	0.43	4.21	
1516	6.94	113.09	-1419.87	1514.73	-3.8	-3.49	382229.3	594755.3	32° 3' 1.78	104° 1' 39.	-3.79	0.86	
1610	8.8	110.81	-1326.76	1607.84	-8.58	8.46	382224.6	594767.3	32° 3' 1.73	104° 1' 38.	-8.6	2.01	
1705	9.03	109.33	-1232.91	1701.69	-13.63	22.28	382219.5	594781.1	32° 3' 1.68	104° 1' 38.	-13.69	0.34	
1799	8.47	107.47	-1140	1794.6	-18.15	35.85	382215	594794.7	32° 3' 1.64	104° 1' 38.	-18.24	0.67	
1893	7.7	109.83	-1046.94	1887.66	-22.37	48.38	382210.8	594807.2	32° 3' 1.59	104° 1' 38.	-22.49	0.89	
1988	8.16	112.77	-952.85	1981.75	-27.14	60.58	382206	594819.4	32° 3' 1.55	104° 1' 38.	-27.28	0.65	
2083	11.65	118.64	-859.27	2075.33	-34.34	75.22	382198.8	594834.1	32° 3' 1.48	104° 1' 38.	-34.53	3.82	
2177	11.7	117.64	-767.22	2167.38	-43.32	91.99	382189.8	594850.8	32° 3' 1.39	104° 1' 37.	-43.54	0.22	
2272	10.82	118.22	-674.05	2260.55	-52	108.38	382181.1	594867.2	32° 3' 1.30	104° 1' 37.	-52.27	0.93	
2366	11.21	117.26	-581.78	2352.82	-60.36	124.28	382172.8	594883.1	32° 3' 1.22	104° 1' 37.	-60.66	0.46	
2461	11.71	117.09	-488.67	2445.93	-68.98	141.07	382164.2	594899.9	32° 3' 1.13	104° 1' 37.	-69.32	0.53	
2555	11.18	118.25	-396.54	2538.06	-77.63	157.59	382155.5	594916.4	32° 3' 1.04	104° 1' 37.	-78.02	0.61	
2650	10.17	118.51	-303.19	2631.41	-86	173.07	382147.1	594931.9	32° 3' 0.96	104° 1' 36.	-86.42	1.06	
2744	9.13	118.04	-210.52	2724.08	-93.46	186.95	382139.7	594945.8	32° 3' 0.89	104° 1' 36.	-93.92	1.11	
2839	8.78	117.57	-116.68	2817.92	-100.36	200.03	382132.8	594958.9	32° 3' 0.82	104° 1' 36.	-100.85	0.38	
2934	9.85	118.31	-22.93	2911.67	-107.57	213.61	382125.6	594972.4	32° 3' 0.75	104° 1' 36.	-108.09	1.13	
3028	11.4	121.4	69.45	3004.05	-116.23	228.62	382116.9	594987.5	32° 3' 0.66	104° 1' 36.	-116.78	1.76	
3122	11.13	121.54	161.64	3096.24	-125.81	244.28	382107.3	595003.1	32° 3' 0.57	104° 1' 36.	-126.41	0.29	
3217	10.56	120.73	254.95	3189.55	-135.06	259.58	382098.1	595018.4	32° 3' 0.47	104° 1' 35.	-135.69	0.62	
3311	9.83	119.74	347.46	3282.06	-143.44	273.95	382089.7	595032.8	32° 3' 0.39	104° 1' 35.	-144.11	0.8	
3406	9.89	119.3	441.06	3375.66	-151.45	288.11	382081.7	595046.9	32° 3' 0.31	104° 1' 35.	-152.16	0.1	
3500	9.71	119.3	533.69	3468.29	-159.28	302.06	382073.9	595060.9	32° 3' 0.23	104° 1' 35.	-160.02	0.19	
3595	7.9	119.11	627.56	3562.16	-166.38	314.75	382066.8	595073.6	32° 3' 0.16	104° 1' 35.	-167.15	1.91	
3690	7	113.86	721.76	3656.36	-171.9	325.75	382061.2	595084.6	32° 3' 0.11	104° 1' 35.	-172.7	1.19	
3784	6.09	112.65	815.15	3749.75	-176.14	335.59	382057	595094.4	32° 3' 0.07	104° 1' 35.	-176.96	0.98	
3879	4.81	111.17	909.72	3844.32	-179.52	343.96	382053.6	595102.8	32° 3' 0.03	104° 1' 34.	-180.36	1.36	
3973	2.55	103.05	1003.52	3938.12	-181.41	349.67	382051.7	595108.5	32° 3' 0.01	104° 1' 34.	-182.27	2.46	
4068	1.81	98.79	1098.45	4033.05	-182.12	353.21	382051	595112	32° 3' 0.01	104° 1' 34.	-182.98	0.8	
4162	1.24	113.86	1192.41	4127.01	-182.76	355.61	382050.4	595114.4	32° 3' 0.00	104° 1' 34.	-183.63	0.74	
4257	0.73	138.73	1287.4	4222	-183.63	356.95	382049.5	595115.8	32° 2' 59.9	104° 1' 34.	-184.5	0.69	
4351	0.76	143.08	1381.39	4315.99	-184.58	357.72	382048.6	595116.6	32° 2' 59.9	104° 1' 34.	-185.45	0.07	
4446	0.6	157.6	1476.39	4410.99	-185.54	358.28	382047.6	595117.1	32° 2' 59.9	104° 1' 34.	-186.41	0.25	
4540	0.73	155.52	1570.38	4504.98	-186.54	358.72	382046.6	595117.6	32° 2' 59.9	104° 1' 34.	-187.42	0.14	

4634	0.6	153.88	1664.37	4598.97	-187.53	359.18	382045.6	595118 32° 2' 59.9 104° 1' 34.	-188.4	0.14
4729	0.65	159.87	1759.37	4693.97	-188.48	359.59	382044.7	595118.4 32° 2' 59.9 104° 1' 34.	-189.36	0.09
4823	0.8	162.05	1853.36	4787.96	-189.6	359.97	382043.5	595118.8 32° 2' 59.9 104° 1' 34.	-190.48	0.16
4918	1.04	164.61	1948.35	4882.95	-191.07	360.41	382042.1	595119.2 32° 2' 59.9 104° 1' 34.	-191.95	0.26
5012	1.02	159.21	2042.33	4976.93	-192.67	360.93	382040.5	595119.8 32° 2' 59.9 104° 1' 34.	-193.55	0.11
5107	1.21	164.95	2137.31	5071.91	-194.43	361.49	382038.7	595120.3 32° 2' 59.8 104° 1' 34.	-195.31	0.23
5201	0.81	167.43	2231.3	5165.9	-196.04	361.89	382037.1	595120.7 32° 2' 59.8 104° 1' 34.	-196.92	0.43
5296	0.5	149.92	2326.29	5260.89	-197.05	362.25	382036.1	595121.1 32° 2' 59.8 104° 1' 34.	-197.94	0.38
5391	0.67	147.12	2421.29	5355.89	-197.88	362.76	382035.3	595121.6 32° 2' 59.8 104° 1' 34.	-198.76	0.18
5485	0.06	187.74	2515.29	5449.89	-198.39	363.05	382034.7	595121.9 32° 2' 59.8 104° 1' 34.	-199.27	0.67
5579	0.34	336.72	2609.29	5543.89	-198.18	362.93	382035	595121.8 32° 2' 59.8 104° 1' 34.	-199.07	0.42
5674	0.09	303.93	2704.29	5638.89	-197.88	362.76	382035.3	595121.6 32° 2' 59.8 104° 1' 34.	-198.76	0.28
5768	0.19	286.68	2798.28	5732.88	-197.79	362.55	382035.3	595121.4 32° 2' 59.8 104° 1' 34.	-198.68	0.11
5863	0.08	317.81	2893.28	5827.88	-197.7	362.35	382035.4	595121.2 32° 2' 59.8 104° 1' 34.	-198.58	0.14
5957	0.13	285.38	2987.28	5921.88	-197.62	362.21	382035.5	595121 32° 2' 59.8 104° 1' 34.	-198.51	0.08
6052	0.07	268.77	3082.28	6016.88	-197.59	362.04	382035.5	595120.9 32° 2' 59.8 104° 1' 34.	-198.48	0.07
6146	0.14	304.35	3176.28	6110.88	-197.53	361.89	382035.6	595120.7 32° 2' 59.8 104° 1' 34.	-198.41	0.1
6241	0.6	353.65	3271.28	6205.88	-196.97	361.74	382036.2	595120.6 32° 2' 59.8 104° 1' 34.	-197.85	0.55
6335	0.44	349.47	3365.28	6299.88	-196.13	361.62	382037	595120.5 32° 2' 59.8 104° 1' 34.	-197.01	0.17
6430	0.24	45.84	3460.28	6394.88	-195.63	361.7	382037.5	595120.5 32° 2' 59.8 104° 1' 34.	-196.51	0.39
6525	0.2	19.67	3555.28	6489.88	-195.33	361.89	382037.8	595120.7 32° 2' 59.8 104° 1' 34.	-196.22	0.11
6619	0.21	319.5	3649.28	6583.88	-195.05	361.84	382038.1	595120.7 32° 2' 59.8 104° 1' 34.	-195.93	0.22
6714	0.42	285.64	3744.27	6678.87	-194.82	361.39	382038.3	595120.2 32° 2' 59.8 104° 1' 34.	-195.71	0.29
6808	0.72	289.15	3838.27	6772.87	-194.54	360.5	382038.6	595119.3 32° 2' 59.8 104° 1' 34.	-195.42	0.32
6902	0.84	288.89	3932.26	6866.86	-194.12	359.29	382039	595118.1 32° 2' 59.8 104° 1' 34.	-195	0.13
6997	0.58	272.78	4027.25	6961.85	-193.87	358.15	382039.3	595117 32° 2' 59.8 104° 1' 34.	-194.75	0.34
7091	0.69	259.59	4121.25	7055.85	-193.95	357.12	382039.2	595116 32° 2' 59.8 104° 1' 34.	-194.82	0.19
7186	0.7	227.89	4216.24	7150.84	-194.44	356.13	382038.7	595115 32° 2' 59.8 104° 1' 34.	-195.31	0.4
7280	0.58	207.66	4310.24	7244.84	-195.25	355.48	382037.9	595114.3 32° 2' 59.8 104° 1' 34.	-196.12	0.27
7375	0.35	201.44	4405.23	7339.83	-195.94	355.15	382037.2	595114 32° 2' 59.8 104° 1' 34.	-196.81	0.25
7469	0.16	206.4	4499.23	7433.83	-196.33	354.99	382036.8	595113.8 32° 2' 59.8 104° 1' 34.	-197.2	0.2
7564	0.55	3.96	4594.23	7528.83	-195.99	354.96	382037.1	595113.8 32° 2' 59.8 104° 1' 34.	-196.86	0.74
7658	0.46	6.74	4688.23	7622.83	-195.17	355.03	382038	595113.9 32° 2' 59.8 104° 1' 34.	-196.04	0.1
7753	0.51	3.78	4783.22	7717.82	-194.37	355.11	382038.8	595113.9 32° 2' 59.8 104° 1' 34.	-195.23	0.06
7847	0.84	23.68	4877.22	7811.82	-193.32	355.41	382039.8	595114.2 32° 2' 59.8 104° 1' 34.	-194.19	0.43
7941	0.99	25.14	4971.2	7905.8	-191.95	356.03	382041.2	595114.9 32° 2' 59.9 104° 1' 34.	-192.82	0.16
8036	0.72	28.49	5066.19	8000.79	-190.69	356.67	382042.4	595115.5 32° 2' 59.9 104° 1' 34.	-191.56	0.29
8130	0.83	46.42	5160.19	8094.79	-189.7	357.44	382043.4	595116.3 32° 2' 59.9 104° 1' 34.	-190.57	0.28
8225	0.71	67.09	5255.18	8189.78	-188.99	358.48	382044.1	595117.3 32° 2' 59.9 104° 1' 34.	-189.87	0.32
8320	0.61	57.32	5350.17	8284.77	-188.49	359.45	382044.6	595118.3 32° 2' 59.9 104° 1' 34.	-189.37	0.16
8414	0.57	55.93	5444.17	8378.77	-187.96	360.26	382045.2	595119.1 32° 2' 59.9 104° 1' 34.	-188.84	0.05
8509	0.41	53.45	5539.16	8473.76	-187.49	360.92	382045.6	595119.8 32° 2' 59.9 104° 1' 34.	-188.37	0.17
8603	0.36	346.94	5633.16	8567.76	-187	361.13	382046.1	595120 32° 2' 59.9 104° 1' 34.	-187.89	0.45
8698	0.27	33.85	5728.16	8662.76	-186.53	361.18	382046.6	595120 32° 2' 59.9 104° 1' 34.	-187.41	0.28
8792	0.07	279.4	5822.16	8756.76	-186.33	361.25	382046.8	595120.1 32° 2' 59.9 104° 1' 34.	-187.22	0.33
8887	0.26	166.97	5917.16	8851.76	-186.53	361.24	382046.6	595120.1 32° 2' 59.9 104° 1' 34.	-187.42	0.31
8981	0.4	176.26	6011.16	8945.76	-187.07	361.31	382046.1	595120.1 32° 2' 59.9 104° 1' 34.	-187.95	0.16
9076	0.46	182.63	6106.15	9040.75	-187.78	361.32	382045.4	595120.2 32° 2' 59.9 104° 1' 34.	-188.66	0.08
9085	0.49	182.27	6115.15	9049.75	-187.86	361.31	382045.3	595120.1 32° 2' 59.9 104° 1' 34.	-188.74	0.33
9168	0.76	218.46	6198.15	9132.75	-188.64	360.96	382044.5	595119.8 32° 2' 59.9 104° 1' 34.	-189.52	0.56
9262	1	245.48	6292.14	9226.74	-189.47	359.82	382043.7	595118.7 32° 2' 59.9 104° 1' 34.	-190.35	0.5
9357	5.86	345.41	6386.97	9321.57	-185.12	357.84	382048	595116.7 32° 2' 59.9 104° 1' 34.	-185.99	6.43
9451	13.65	355.15	6479.55	9414.15	-169.4	355.69	382063.7	595114.5 32° 3' 0.13 104° 1' 34.	-170.27	8.44
9545	23.12	3.01	6568.66	9503.26	-139.84	355.73	382093.3	595114.6 32° 3' 0.42 104° 1' 34.	-140.71	10.39
9640	32.54	0.85	6652.58	9587.18	-95.57	357.09	382137.6	595115.9 32° 3' 0.86 104° 1' 34.	-96.44	9.97
9734	41.74	356.18	6727.45	9662.05	-38.94	355.37	382194.2	595114.2 32° 3' 1.42 104° 1' 34.	-39.81	10.23
9829	49.73	357.77	6793.71	9728.31	28.94	351.85	382262.1	595110.7 32° 3' 2.09 104° 1' 34.	28.08	8.49
9923	51.33	357.36	6853.46	9788.06	101.44	348.76	382334.6	595107.6 32° 3' 2.81 104° 1' 34.	100.59	1.74
9969	52.04	356.53	6881.98	9816.58	137.48	346.84	382370.6	595105.7 32° 3' 3.17 104° 1' 34.	136.63	2.09
10017	55.68	357.33	6910.28	9844.88	176.18	344.77	382409.3	595103.6 32° 3' 3.55 104° 1' 34.	175.34	7.7
10080	66.13	357.53	6940.87	9875.47	231.1	342.31	382464.2	595101.1 32° 3' 4.10 104° 1' 34.	230.26	16.59
10111	72.52	358.02	6951.81	9886.41	260.06	341.19	382493.2	595100 32° 3' 4.38 104° 1' 34.	259.23	20.67
10206	82.98	0.3	6971.94	9906.54	352.76	339.87	382585.9	595098.7 32° 3' 5.30 104° 1' 34.	351.93	11.26
10241	86.2	0.94	6975.24	9909.84	387.59	340.24	382620.7	595099.1 32° 3' 5.64 104° 1' 34.	386.76	9.38
10292	86.99	0.93	6978.27	9912.87	438.5	341.07	382671.6	595099.9 32° 3' 6.15 104° 1' 34.	437.66	1.55
10386	87.76	359.52	6982.58	9917.18	532.39	341.44	382765.5	595100.3 32° 3' 7.08 104° 1' 34.	531.56	1.71
10481	89.56	359.14	6984.8	9919.4	627.36	340.33	382860.5	595099.2 32° 3' 8.02 104° 1' 34.	626.52	1.94
10575	90.62	359.09	6984.65	9919.25	721.35	338.88	382954.5	595097.7 32° 3' 8.95 104° 1' 34.	720.51	1.13
10670	90.87	358.63	6983.42	9918.02	816.32	336.99	383049.5	595095.8 32° 3' 9.89 104° 1' 35.	815.49	0.55
10764	90.64	359.18	6982.18	9916.78	910.29	335.19	383143.4	595094 32° 3' 10.8 104° 1' 35.	909.47	0.63
10858	90.78	358.33	6981.01	9915.61	1004.26	333.15	383237.4	595092 32° 3' 11.7 104° 1' 35.	1003.44	0.92
10953	90.61	0.94	6979.86	9914.46	1099.24	332.55	383332.4	595091.4 32° 3' 12.6 104° 1' 35.	1098.43	2.75
11047	90.76	3.02	6978.74	9913.34	1193.18	335.79	383426.3	595094.6 32° 3' 13.6 104° 1' 35.	1192.35	2.22

11142	90.52	3.71	6977.67	9912.27	1288.01	341.37	383521.1	595100.2	32° 3' 14.5 104° 1' 34.	1287.17	0.77
11236	90.42	0.45	6976.9	9911.5	1381.93	344.78	383615.1	595103.6	32° 3' 15.4 104° 1' 34.	1381.08	3.47
11331	90.56	2.02	6976.09	9910.69	1476.9	346.83	383710	595105.7	32° 3' 16.4 104° 1' 34.	1476.05	1.66
11425	90.42	1.86	6975.29	9909.89	1570.84	350.01	383804	595108.8	32° 3' 17.3 104° 1' 34.	1569.98	0.23
11520	90.52	359.88	6974.51	9909.11	1665.82	351.45	383899	595110.3	32° 3' 18.2 104° 1' 34.	1664.96	2.09
11614	90.5	0.65	6973.67	9908.27	1759.82	351.89	383993	595110.7	32° 3' 19.2 104° 1' 34.	1758.95	0.82
11709	90.47	2.73	6972.87	9907.47	1854.77	354.69	384087.9	595113.5	32° 3' 20.1 104° 1' 34.	1853.9	2.19
11803	91.33	3.04	6971.39	9905.99	1948.64	359.42	384181.8	595118.3	32° 3' 21.0 104° 1' 34.	1947.75	0.97
11898	91.07	3.06	6969.4	9904	2043.48	364.47	384276.6	595123.3	32° 3' 22.0 104° 1' 34.	2042.58	0.27
11992	91.21	3.22	6967.53	9902.13	2137.32	369.62	384370.5	595128.5	32° 3' 22.9 104° 1' 34.	2136.41	0.23
12086	91.24	3.46	6965.52	9900.12	2231.14	375.1	384464.3	595133.9	32° 3' 23.8 104° 1' 34.	2230.22	0.26
12181	91.12	2.7	6963.56	9898.16	2325.98	380.2	384559.1	595139	32° 3' 24.8 104° 1' 34.	2325.05	0.81
12275	91.24	358.74	6961.63	9896.23	2419.94	381.38	384653.1	595140.2	32° 3' 25.7 104° 1' 34.	2419	4.21
12370	91.16	357.77	6959.64	9894.24	2514.87	378.49	384748	595137.3	32° 3' 26.7 104° 1' 34.	2513.94	1.02
12464	91.02	357.82	6957.85	9892.45	2608.78	374.87	384841.9	595133.7	32° 3' 27.6 104° 1' 34.	2607.86	0.16
12558	93.18	358.39	6954.41	9889.01	2702.66	371.76	384935.8	595130.6	32° 3' 28.5 104° 1' 34.	2701.75	2.38
12653	92.92	355.76	6949.35	9883.95	2797.4	366.92	385030.5	595125.8	32° 3' 29.4 104° 1' 34.	2796.49	2.78
12748	91.67	356.34	6945.55	9880.15	2892.09	360.39	385125.2	595119.2	32° 3' 30.4 104° 1' 34.	2891.2	1.45
12842	90.75	356.23	6943.56	9878.16	2985.87	354.3	385219	595113.1	32° 3' 31.3 104° 1' 34.	2985	0.99
12937	90.62	355.79	6942.42	9877.02	3080.64	347.69	385313.8	595106.5	32° 3' 32.3 104° 1' 34.	3079.78	0.48
13031	90.58	356	6941.44	9876.04	3174.39	340.96	385407.5	595099.8	32° 3' 33.2 104° 1' 34.	3173.55	0.23
13125	90.9	357.65	6940.23	9874.83	3268.23	335.75	385501.4	595094.6	32° 3' 34.1 104° 1' 34.	3267.4	1.79
13220	90.72	358.6	6938.88	9873.48	3363.17	332.64	385596.3	595091.5	32° 3' 35.0 104° 1' 34.	3362.35	1.02
13314	90.81	359.38	6937.63	9872.23	3457.15	330.99	385690.3	595089.8	32° 3' 36.0 104° 1' 34.	3456.33	0.84
13409	90.7	0	6936.38	9870.98	3552.14	330.47	385785.3	595089.3	32° 3' 36.9 104° 1' 35.	3551.32	0.66
13503	90.81	359.14	6935.14	9869.74	3646.13	329.77	385879.3	595088.6	32° 3' 37.8 104° 1' 35.	3645.31	0.92
13598	90.61	358.94	6933.96	9868.56	3741.11	328.18	385974.2	595087	32° 3' 38.8 104° 1' 35.	3740.29	0.3
13692	90.65	359	6932.93	9867.53	3835.09	326.49	386068.2	595085.3	32° 3' 39.7 104° 1' 35.	3834.28	0.08
13787	90.3	358.99	6932.14	9866.74	3930.07	324.82	386163.2	595083.7	32° 3' 40.7 104° 1' 35.	3929.26	0.37
13881	90.02	0.02	6931.88	9866.48	4024.06	324.01	386257.2	595082.8	32° 3' 41.6 104° 1' 35.	4023.26	1.14
13976	89.98	1.11	6931.88	9866.48	4119.06	324.95	386352.2	595083.8	32° 3' 42.5 104° 1' 35.	4118.25	1.15
14070	90.18	0.97	6931.75	9866.35	4213.04	326.65	386446.2	595085.5	32° 3' 43.5 104° 1' 35.	4212.23	0.26
14165	90.21	1.21	6931.42	9866.02	4308.02	328.46	386541.2	595087.3	32° 3' 44.4 104° 1' 35.	4307.21	0.25
14259	90.36	0.96	6930.96	9865.56	4402	330.24	386635.1	595089.1	32° 3' 45.3 104° 1' 34.	4401.18	0.31
14354	90.13	1.21	6930.55	9865.15	4496.99	332.04	386730.1	595090.9	32° 3' 46.3 104° 1' 34.	4496.16	0.36
14448	89.84	1.46	6930.57	9865.17	4590.96	334.23	386824.1	595093.1	32° 3' 47.2 104° 1' 34.	4590.13	0.41
14543	88.64	0.58	6931.83	9866.43	4685.93	335.92	386919.1	595094.8	32° 3' 48.1 104° 1' 34.	4685.1	1.57
14637	89.07	0.6	6933.71	9868.31	4779.91	336.89	387013	595095.7	32° 3' 49.1 104° 1' 34.	4779.07	0.46
14732	89.3	1.07	6935.06	9869.66	4874.89	338.27	387108	595097.1	32° 3' 50.0 104° 1' 34.	4874.05	0.55
14827	89.38	1.28	6936.16	9870.76	4969.86	340.22	387203	595099.1	32° 3' 50.9 104° 1' 34.	4969.02	0.24
14921	88.99	1.14	6937.49	9872.09	5063.83	342.2	387297	595101	32° 3' 51.9 104° 1' 34.	5062.98	0.44
15016	88.04	0.37	6939.96	9874.56	5158.79	343.45	387391.9	595102.3	32° 3' 52.8 104° 1' 34.	5157.94	1.29
15110	89.24	1.6	6942.19	9876.79	5252.75	345.07	387485.9	595103.9	32° 3' 53.7 104° 1' 34.	5251.89	1.83
15205	89.7	2.07	6943.07	9877.67	5347.69	348.11	387580.8	595106.9	32° 3' 54.7 104° 1' 34.	5346.83	0.69
15299	89.68	2.21	6943.57	9878.17	5441.63	351.62	387674.8	595110.5	32° 3' 55.6 104° 1' 34.	5440.75	0.15
15394	89.64	2.23	6944.14	9878.74	5536.55	355.3	387769.7	595114.1	32° 3' 56.6 104° 1' 34.	5535.67	0.05
15489	88.84	1.75	6945.4	9880	5631.49	358.6	387864.6	595117.4	32° 3' 57.5 104° 1' 34.	5630.59	0.98
15583	88.54	1.34	6947.55	9882.15	5725.43	361.13	387958.6	595120	32° 3' 58.4 104° 1' 34.	5724.53	0.54
15678	87.63	1.52	6950.72	9885.32	5820.35	363.5	388053.5	595122.3	32° 3' 59.4 104° 1' 34.	5819.44	0.98
15772	87.05	1.84	6955.08	9889.68	5914.2	366.26	388147.3	595125.1	32° 4' 0.34 104° 1' 34.	5913.29	0.7
15867	87.76	2.12	6959.39	9893.99	6009.05	369.54	388242.2	595128.4	32° 4' 1.28 104° 1' 34.	6008.13	0.8
15961	87.26	1.1	6963.47	9898.07	6102.92	372.17	388336.1	595131	32° 4' 2.20 104° 1' 34.	6101.99	1.21
16056	88.16	0.34	6967.27	9901.87	6197.84	373.37	388431	595132.2	32° 4' 3.14 104° 1' 34.	6196.9	1.24
16150	88.13	359.17	6970.31	9904.91	6291.78	372.97	388524.9	595131.8	32° 4' 4.07 104° 1' 34.	6290.85	1.24
16244	88.2	359.44	6973.32	9907.92	6385.73	371.83	388618.9	595130.7	32° 4' 5.00 104° 1' 34.	6384.8	0.3
16339	88.08	359.28	6976.4	9911	6480.67	370.77	388713.8	595129.6	32° 4' 5.94 104° 1' 34.	6479.75	0.21
16433	88.24	358.9	6979.42	9914.02	6574.61	369.27	388807.7	595128.1	32° 4' 6.87 104° 1' 34.	6573.69	0.44
16528	87.99	358.85	6982.55	9917.15	6669.54	367.41	388902.7	595126.2	32° 4' 7.81 104° 1' 34.	6668.62	0.27
16622	88.16	359.51	6985.7	9920.3	6763.48	366.06	388996.6	595124.9	32° 4' 8.74 104° 1' 34.	6762.56	0.72
16717	88	359.54	6988.89	9923.49	6858.42	365.28	389091.6	595124.1	32° 4' 9.68 104° 1' 34.	6857.51	0.17
16811	88.27	359.75	6991.94	9926.54	6952.37	364.7	389185.5	595123.5	32° 4' 10.6 104° 1' 34.	6951.46	0.36
16906	88.3	359.56	6994.79	9929.39	7047.33	364.12	389280.5	595123	32° 4' 11.5 104° 1' 34.	7046.42	0.2
17000	88.78	359.29	6997.18	9931.78	7141.29	363.18	389374.4	595122	32° 4' 12.4 104° 1' 34.	7140.38	0.59
17095	88.85	359.15	6999.15	9933.75	7236.26	361.89	389469.4	595120.7	32° 4' 13.4 104° 1' 34.	7235.36	0.16
17189	88.96	359.24	7000.94	9935.54	7330.24	360.57	389563.4	595119.4	32° 4' 14.3 104° 1' 34.	7329.33	0.15
17283	88.74	359	7002.83	9937.43	7424.21	359.12	389657.3	595118	32° 4' 15.2 104° 1' 34.	7423.31	0.35
17378	88.71	359.35	7004.94	9939.54	7519.17	357.76	389752.3	595116.6	32° 4' 16.2 104° 1' 34.	7518.28	0.37
17473	88.68	359.41	7007.11	9941.71	7614.14	356.73	389847.3	595115.6	32° 4' 17.1 104° 1' 34.	7613.25	0.07
17567	88.94	359.68	7009.06	9943.66	7708.12	355.98	389941.3	595114.8	32° 4' 18.0 104° 1' 34.	7707.23	0.4
17662	87.77	359	7011.79	9946.39	7803.07	354.89	390036.2	595113.7	32° 4' 19.0 104° 1' 34.	7802.18	1.42
17756	87.9	359.59	7015.34	9949.94	7897	353.73	390130.1	595112.6	32° 4' 19.9 104° 1' 34.	7896.11	0.64
17851	88.44	359.83	7018.37	9952.97	7991.95	353.25	390225.1	595112.1	32° 4' 20.9 104° 1' 34.	7991.06	0.62
17945	88.31	359.3	7021.04	9955.64	8085.9	352.54	390319	595111.4	32° 4' 21.8 104° 1' 34.	8085.02	0.58

18040	88.28	359.54	7023.86	9958.46	8180.86	351.58	390414	595110.4	32° 4' 22.7 104° 1' 34.	8179.97	0.25
18135	88.74	359.68	7026.33	9960.93	8275.82	350.93	390509	595109.8	32° 4' 23.7 104° 1' 34.	8274.94	0.51
18229	87.96	359.58	7029.04	9963.64	8369.78	350.32	390602.9	595109.2	32° 4' 24.6 104° 1' 34.	8368.9	0.84
18324	87.5	359.74	7032.8	9967.4	8464.71	349.76	390697.8	595108.6	32° 4' 25.5 104° 1' 34.	8463.83	0.51
18418	88.24	359.89	7036.3	9970.9	8558.64	349.46	390791.8	595108.3	32° 4' 26.5 104° 1' 34.	8557.76	0.8
18513	89.47	359.77	7038.2	9972.8	8653.62	349.18	390886.8	595108	32° 4' 27.4 104° 1' 34.	8652.74	1.3
18607	89.36	358.69	7039.16	9973.76	8747.6	347.91	390980.7	595106.7	32° 4' 28.3 104° 1' 34.	8746.73	1.15
18702	88.91	358.72	7040.59	9975.19	8842.57	345.77	391075.7	595104.6	32° 4' 29.3 104° 1' 34.	8841.7	0.47
18796	89.58	359.49	7041.83	9976.43	8936.55	344.3	391169.7	595103.1	32° 4' 30.2 104° 1' 34.	8935.68	1.09
18891	90.24	359.67	7041.98	9976.58	9031.54	343.6	391264.7	595102.4	32° 4' 31.1 104° 1' 34.	9030.68	0.72
18986	88.9	358.89	7042.69	9977.29	9126.53	342.41	391359.7	595101.2	32° 4' 32.1 104° 1' 34.	9125.67	1.63
19080	89.96	358.59	7043.63	9978.23	9220.5	340.34	391453.6	595099.2	32° 4' 33.0 104° 1' 34.	9219.64	1.17
19175	88.96	357.71	7044.52	9979.12	9315.45	337.27	391548.6	595096.1	32° 4' 34.0 104° 1' 34.	9314.59	1.4
19269	89.84	358.29	7045.51	9980.11	9409.38	333.99	391642.5	595092.8	32° 4' 34.9 104° 1' 34.	9408.54	1.12
19364	90.18	358.95	7045.49	9980.09	9504.35	331.71	391737.5	595090.5	32° 4' 35.8 104° 1' 34.	9503.51	0.78
19458	90.44	358.79	7044.98	9979.58	9598.33	329.85	391831.5	595088.7	32° 4' 36.8 104° 1' 34.	9597.5	0.32
19552	89.92	359.92	7044.69	9979.29	9692.33	328.79	391925.5	595087.6	32° 4' 37.7 104° 1' 34.	9691.49	1.32
19647	90.39	359.75	7044.43	9979.03	9787.32	328.52	392020.5	595087.4	32° 4' 38.6 104° 1' 34.	9786.49	0.53
19741	90.19	359.26	7043.95	9978.55	9881.32	327.71	392114.5	595086.5	32° 4' 39.6 104° 1' 34.	9880.49	0.56
19836	90.01	0.06	7043.79	9978.39	9976.32	327.15	392209.5	595086	32° 4' 40.5 104° 1' 34.	9975.49	0.86
19930	90.35	0.14	7043.49	9978.09	10070.32	327.31	392303.5	595086.1	32° 4' 41.4 104° 1' 34.	10069.49	0.37
20025	90.18	0.81	7043.05	9977.65	10165.31	328.1	392398.4	595086.9	32° 4' 42.4 104° 1' 34.	10164.48	0.73
20036	89.99	0.75	7043.04	9977.64	10176.31	328.25	392409.4	595087.1	32° 4' 42.5 104° 1' 34.	10175.48	1.81
20061	89.99	0.75	7043.04	9977.64	10201.31	328.57	392434.4	595087.4	32° 4' 42.7 104° 1' 34.	10200.47	0

1.81 Final Phoenix MWD Survey
0 Projection to TD

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to RKB. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 359.860° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001.
Grid Convergence at Surface is 0.162°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 20061.00ft.,
the Bottom Hole Displacement is 10206.60ft., in the Direction of 359.860° (Grid).

Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-015-48768
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Rick Vaughn 7 WA Fed Com
8. Well Number 6H
9. OGRID Number 372098
10. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)
4. Well Location Unit Letter <u>L4</u> : <u>270</u> feet from the <u>South</u> line and <u>1290</u> feet from the <u>West</u> line Section <u>7</u> <u>26S</u> Township <u>29W</u> Range <u>NMPM</u> <u>Eddy</u> County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2911'

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☐ Gas Well ☒ Other	
2. Name of Operator Marathon Oil Permian LLC	
3. Address of Operator 990 Town & Country Blvd. Houston, TX 77024	
4. Well Location Unit Letter <u>L4</u> : <u>270</u> feet from the <u>South</u> line and <u>1290</u> feet from the <u>West</u> line Section <u>7</u> <u>26S</u> Township <u>29W</u> Range <u>NMPM</u> <u>Eddy</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2911'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: Completions ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

12/05/2022: Started Frac Prep Operations
 12/13/2022: Test production casing at 14,000 psi for 30 minutes, good test
 12/27/2023 : MIRU. Start frac stages 1-40 with 2 shots per foot for a total of 960, 0.41 in. in size using 24,813,351 lbs of proppant and 605,964 bbls of brackish water. Total interval 9849-19637'
 1/22/2023: Finished last stage of RDMO
 1/29/2023: Turn well over to production
 2/5/2023: Well ready to produce and start flowback operations.

Marathon Oil Permian requests a tubing exception for this well.

Spud Date:

8/25/2022

Rig Release Date:

9/19/2022

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Nicole Lee TITLE Regulatory Analyst DATE 2/23/2023

Type or print name Nicole Lee E-mail address: _____ PHONE: 832-370-2579

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Released to Imaging: 11/7/2024 11:28:06 AM

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs 6508'	T. Todilto	
T. Abo	T. Bell Canyon 2746'	T. Entrada	
T. Wolfcamp 9555'	T. Cherry Canyon 3620'	T. Wingate	
T. Penn	T. Brushy Canyon 4909'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

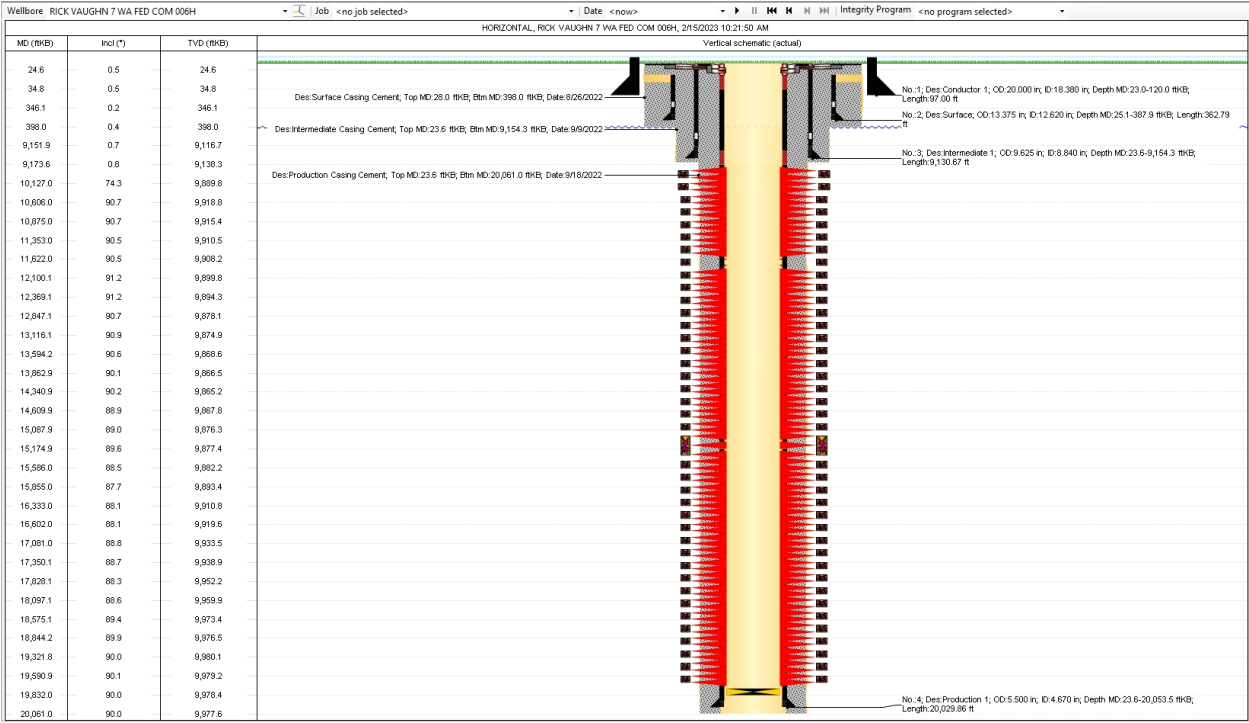
No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology



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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 258101

ACKNOWLEDGMENTS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 258101
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 258101

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 258101
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	11/7/2024
plmartinez	Going forward please ensure that all drilling information on all forms mirror each other and have the same data.	11/7/2024