

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT**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 RT (270,000 MCF Gas / 189000 BBLs Oil)
⁴ API Number 30 - 025-46133	⁵ Pool Name Hardin Tank; Wolfcamp	⁶ Pool Code 96658
⁷ Property Code 325752	⁸ Property Name Mammoth 1 WA Federal Com	⁹ Well Number 7H

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
N	1	26S	34E		448	SOUTH	1539	WEST	LEA

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	36	25S	34E		101	NORTH	1340	WEST	LEA

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
371960	Lucid Energy Delaware, LLC 201 S Fourth Street P.O. Box 158, Artesia, NM 88210	G
307204	Oryx Midstream Services, LLC 4000 N Big Spring St. Suite 300, Midland, TX 79705	O
371643	Solaris Water Midstream, LLC 97 Tradewinds Blvd, Suite B, Midland, TX 79706	W

IV. Well Completion Data

²¹ Spud Date 10/14/2019	²² Ready Date 8/29/2022	²³ TD 22853'	²⁴ PBDT 22828'	²⁵ Perforations 12706' - 22671'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8", 54.5#, J55, STC	1182'	1155		
9-7/8"	7-5/8", 29.7#, P110, BTC	12007'	2550		
6-3/4"	5-1/2", 23#, P110, TLW	22835'	1935		

V. Well Test Data

³¹ Date New Oil 9/2/2022	³² Gas Delivery Date 9/2/2022	³³ Test Date 9/11/2022	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 3041
³⁷ Choke Size 34/64	³⁸ Oil 1649	³⁹ Water 5162	⁴⁰ Gas 3901		⁴¹ Test Method Flowing
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: 			OIL CONSERVATION DIVISION		
Printed name: Adrian Covarrubias			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Compliance Representative			Title: PETROLEUM SPECIALIST		
E-mail Address: acovarrubias@marathonoil.com			Approval Date: 3/2/2023		
Date: 9/21/2022		Phone: 713-296-3368			

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

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT
 As-Drilled

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-46133	² Pool Code 96658	³ Pool Name HARDIN TANK; WOLFCAMP
⁴ Property Code 325752	Property Name MAMMOTH 1 WA FEDERAL COM	
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC.	⁶ Well Number 7H
		⁹ Elevation 3281'

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
N	1	26S	34E		448	SOUTH	1539	WEST	LEA
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
C	36	25S	34E		101	NORTH	1340	WEST	LEA
¹² Dedicated Acres 640.0	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.

	CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 820418.02' / Y: 396527.38' B - X: 820398.92' / Y: 399168.72' C - X: 823039.79' / Y: 399183.78' D - X: 823063.98' / Y: 396544.63' E - X: 823088.17' / Y: 393904.53' F - X: 823110.27' / Y: 391265.97' G - X: 823132.38' / Y: 388627.40' H - X: 820492.20' / Y: 388613.44' I - X: 820437.13' / Y: 393886.05'	CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 779230.89' / Y: 396469.70' B - X: 779211.91' / Y: 399110.96' C - X: 781852.75' / Y: 399126.00' D - X: 781876.81' / Y: 396486.92' E - X: 781900.88' / Y: 393846.90' F - X: 781922.86' / Y: 391208.40' G - X: 781944.84' / Y: 388569.90' H - X: 779304.70' / Y: 388555.96' I - X: 779249.87' / Y: 393828.44'	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: <i>Adrian Covarrubias</i> Date: 9/21/2022 Printed Name: Adrian Covarrubias E-mail Address:	
	BOTTOM HOLE LOCATION 101' FNL 1340' FWL, SECTION 36 22,853' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 821739.26' / Y: 399075.44' LAT: 32.09390160N / LON: 103.42786922W NAD 27, SPCS NM EAST X: 780552.22' / Y: 399017.67' LAT: 32.09377589N / LON: 103.42740396W	LAST TAKE POINT 283' FNL 1347' FWL, SECTION 36 22,671' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 821748.32' / Y: 398893.71' LAT: 32.09340189N / LON: 103.42784448 NAD 27, SPCS NM EAST X: 780561.28' / Y: 398835.95' LAT: 32.09327618N / LON: 103.42737966W	FIRST TAKE POINT 335' FSL 1354' FWL, SECTION 1 12,706' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 821842.35' / Y: 388956.02' LAT: 32.06608474N / LON: 103.42781062W NAD 27, SPCS NM EAST X: 780654.85' / Y: 388898.52' LAT: 32.06595887N / LON: 103.42734703W	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global. SEPTEMBER 12, 2022 Date of Survey Signature and Seal of Professional Surveyor: <i>Lloyd P. Short</i> Certificate Number: LLOYD P. SHORT 21653
	KICK OFF POINT 59' FSL 1354' FWL, SECTION 1 12,180' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 821845.84' / Y: 388679.32' LAT: 32.06532412N / LON: 103.42780684W NAD 27, SPCS NM EAST X: 780658.33' / Y: 388621.83' LAT: 32.06519825N / LON: 103.42734329W	SURFACE HOLE LOCATION 448' FSL 1539' FWL, SECTION 1 NAD 83, SPCS NM EAST X: 822026.78' / Y: 389069.69' LAT: 32.06639290N / LON: 103.42721224W NAD 27, SPCS NM EAST X: 780839.28' / Y: 389012.18' LAT: 32.06626704N / LON: 103.42674864W		
	SHEET 1 OF 1 JOB No. R3762_010 REV 2 WM 9/5/2022			

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99985482 Convergence Angle: 00°29'26.29720"



Marathon Oil

**Lea County, NM (NAD27)
Mammoth 1 Pad (1-2-7-10-11)
WA FED COM 7H**

OH

Survey: AEP MWD

Standard Survey Report

08 April, 2020





Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA FED COM 7H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3306.00usft (PD 594)
Site:	Mammoth 1 Pad (1-2-7-10-11)	MD Reference:	WELL @ 3306.00usft (PD 594)
Well:	WA FED COM 7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD27)		
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	Mammoth 1 Pad (1-2-7-10-11)		
Site Position:		Northing:	389,012.18 usft
From:	Map	Easting:	780,839.28 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.066267
		Longitude:	-103.426749

Well	WA FED COM 7H		
Well Position	+N/-S	0.00 usft	Northing: 389,012.18 usft
	+E/-W	0.00 usft	Easting: 780,839.28 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.48 °	Ground Level:	3,281.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM2020	3/11/2020	6.50
			Dip Angle (°)
			59.67
			Field Strength (nT)
			47,629.00000000

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			358.30

Survey Program	Date	4/8/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.10	1,142.60	Gyro (OH)	GYRO-MWD	OWSG Gyro MWD
1,142.60	11,958.00	Pro MWD (OH)	MWD	OWSG MWD - Standard
12,085.00	22,853.00	AEP MWD (OH)	MWD+HRGM	OWSG MWD + HRGM

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)
11,958.00	1.76	206.44	11,941.07	-385.25	-178.02	-379.81	0.00	0.00	0.00
12,085.00	1.77	210.80	12,068.01	-388.68	-179.89	-383.19	0.11	0.01	3.43
First AEP Survey @ 12085'									
12,180.00	0.62	214.41	12,162.98	-390.36	-180.94	-384.84	1.21	-1.21	3.80
12,274.00	13.76	356.06	12,256.11	-379.57	-182.00	-374.02	15.16	13.98	150.69
12,367.00	25.58	357.74	12,343.53	-348.37	-183.55	-342.78	12.72	12.71	1.81
12,462.00	35.65	358.99	12,425.19	-300.07	-184.85	-294.47	10.62	10.60	1.32
12,557.00	50.06	359.31	12,494.64	-235.63	-185.79	-230.03	15.17	15.17	0.34



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA FED COM 7H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3306.00usft (PD 594)
Site:	Mammoth 1 Pad (1-2-7-10-11)	MD Reference:	WELL @ 3306.00usft (PD 594)
Well:	WA FED COM 7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)	
12,651.00	58.41	1.72	12,549.54	-159.44	-185.02	-153.90	9.12	8.88	2.56	
12,745.00	66.81	359.85	12,592.75	-76.06	-183.93	-70.59	9.11	8.94	-1.99	
12,839.00	71.64	0.67	12,626.08	11.80	-183.52	17.22	5.20	5.14	0.87	
12,932.00	76.57	0.28	12,651.54	101.21	-182.78	106.57	5.32	5.30	-0.42	
13,027.00	78.97	0.82	12,671.67	194.04	-181.89	199.34	2.59	2.53	0.57	
13,122.00	85.99	359.57	12,684.09	288.16	-181.57	293.41	7.50	7.39	-1.32	
13,216.00	87.84	0.12	12,689.15	382.02	-181.83	387.23	2.05	1.97	0.59	
13,311.00	88.26	0.61	12,692.38	476.97	-181.22	482.12	0.68	0.44	0.52	
13,409.00	91.07	2.04	12,692.96	574.93	-178.96	579.97	3.22	2.87	1.46	
13,504.00	91.82	2.67	12,690.56	669.81	-175.05	674.70	1.03	0.79	0.66	
13,598.00	91.96	0.68	12,687.46	763.72	-172.31	768.48	2.12	0.15	-2.12	
13,692.00	91.46	359.20	12,684.66	857.67	-172.41	862.40	1.66	-0.53	-1.57	
13,786.00	92.47	0.71	12,681.43	951.61	-172.48	956.30	1.93	1.07	1.61	
13,881.00	92.07	359.85	12,677.67	1,046.54	-172.02	1,051.17	1.00	-0.42	-0.91	
13,975.00	89.80	357.64	12,676.14	1,140.49	-174.08	1,145.14	3.37	-2.41	-2.35	
14,069.00	88.91	356.82	12,677.19	1,234.37	-178.62	1,239.12	1.29	-0.95	-0.87	
14,164.00	89.75	359.33	12,678.30	1,329.30	-181.81	1,334.10	2.79	0.88	2.64	
14,259.00	90.00	0.73	12,678.51	1,424.30	-181.76	1,429.05	1.50	0.26	1.47	
14,353.00	90.53	0.32	12,678.08	1,518.30	-180.90	1,522.98	0.71	0.56	-0.44	
14,447.00	89.89	358.43	12,677.73	1,612.28	-181.92	1,616.96	2.12	-0.68	-2.01	
14,542.00	89.41	358.03	12,678.31	1,707.24	-184.86	1,711.96	0.66	-0.51	-0.42	
14,637.00	88.71	357.26	12,679.87	1,802.14	-188.76	1,806.94	1.10	-0.74	-0.81	
14,733.00	90.00	358.36	12,680.95	1,898.06	-192.43	1,902.92	1.77	1.34	1.15	
14,827.00	88.74	356.80	12,681.99	1,991.97	-196.40	1,996.91	2.13	-1.34	-1.66	
14,921.00	89.97	358.46	12,683.04	2,085.88	-200.28	2,090.89	2.20	1.31	1.77	
15,015.00	90.14	0.66	12,682.95	2,179.87	-201.01	2,184.86	2.35	0.18	2.34	
15,109.00	89.97	1.84	12,682.86	2,273.84	-198.95	2,278.73	1.27	-0.18	1.26	
15,203.00	89.92	0.68	12,682.95	2,367.82	-196.89	2,372.61	1.24	-0.05	-1.23	
15,299.00	90.42	0.19	12,682.67	2,463.82	-196.16	2,468.54	0.73	0.52	-0.51	
15,392.00	91.09	1.03	12,681.44	2,556.80	-195.17	2,561.46	1.16	0.72	0.90	
15,487.00	90.25	359.51	12,680.33	2,651.79	-194.72	2,656.39	1.83	-0.88	-1.60	
15,581.00	89.58	357.97	12,680.47	2,745.76	-196.79	2,750.38	1.79	-0.71	-1.64	
15,675.00	90.59	1.51	12,680.33	2,839.75	-197.22	2,844.34	3.92	1.07	3.77	
15,769.00	89.83	359.98	12,679.99	2,933.73	-195.99	2,938.25	1.82	-0.81	-1.63	
15,864.00	90.28	358.61	12,679.90	3,028.73	-197.16	3,033.23	1.52	0.47	-1.44	
15,959.00	90.56	359.80	12,679.20	3,123.71	-198.48	3,128.22	1.29	0.29	1.25	
16,053.00	90.62	1.20	12,678.23	3,217.70	-197.66	3,222.14	1.49	0.06	1.49	
16,147.00	91.20	1.64	12,676.74	3,311.66	-195.33	3,315.99	0.77	0.62	0.47	
16,241.00	89.97	0.47	12,675.78	3,405.64	-193.60	3,409.87	1.81	-1.31	-1.24	
16,335.00	90.22	359.26	12,675.62	3,499.63	-193.82	3,503.83	1.31	0.27	-1.29	
16,427.00	90.00	0.40	12,675.45	3,591.63	-194.09	3,595.80	1.26	-0.24	1.24	
16,522.00	90.17	0.28	12,675.31	3,686.63	-193.53	3,690.74	0.22	0.18	-0.13	
16,616.00	90.42	358.21	12,674.82	3,780.61	-194.77	3,784.72	2.22	0.27	-2.20	



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA FED COM 7H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3306.00usft (PD 594)
Site:	Mammoth 1 Pad (1-2-7-10-11)	MD Reference:	WELL @ 3306.00usft (PD 594)
Well:	WA FED COM 7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)	
16,710.00	90.34	358.18	12,674.20	3,874.57	-197.73	3,878.72	0.09	-0.09	-0.03	
16,805.00	90.08	357.61	12,673.85	3,969.50	-201.22	3,973.72	0.66	-0.27	-0.60	
16,899.00	89.33	356.98	12,674.33	4,063.39	-205.66	4,067.70	1.04	-0.80	-0.67	
16,993.00	90.14	358.44	12,674.77	4,157.31	-209.41	4,161.69	1.78	0.86	1.55	
17,087.00	90.17	357.49	12,674.51	4,251.25	-212.75	4,255.69	1.01	0.03	-1.01	
17,182.00	91.18	359.41	12,673.40	4,346.21	-215.32	4,350.67	2.28	1.06	2.02	
17,276.00	90.95	358.61	12,671.65	4,440.18	-216.94	4,444.65	0.89	-0.24	-0.85	
17,371.00	89.30	357.50	12,671.44	4,535.12	-220.17	4,539.64	2.09	-1.74	-1.17	
17,465.00	90.73	0.21	12,671.42	4,629.09	-222.04	4,633.63	3.26	1.52	2.88	
17,559.00	89.83	358.94	12,670.96	4,723.08	-222.74	4,727.60	1.66	-0.96	-1.35	
17,654.00	92.07	0.91	12,669.38	4,818.05	-222.87	4,822.54	3.14	2.36	2.07	
17,750.00	90.03	0.36	12,667.62	4,914.03	-221.80	4,918.44	2.20	-2.13	-0.57	
17,843.00	90.00	359.46	12,667.60	5,007.03	-221.95	5,011.40	0.97	-0.03	-0.97	
17,937.00	89.30	359.28	12,668.17	5,101.02	-222.98	5,105.38	0.77	-0.74	-0.19	
18,033.00	91.37	4.17	12,667.61	5,196.94	-220.09	5,201.18	5.53	2.16	5.09	
18,127.00	89.38	0.04	12,667.00	5,290.85	-216.64	5,294.94	4.88	-2.12	-4.39	
18,222.00	90.90	2.70	12,666.76	5,385.81	-214.37	5,389.79	3.22	1.60	2.80	
18,316.00	92.27	7.40	12,664.16	5,479.38	-206.11	5,483.08	5.21	1.46	5.00	
18,410.00	90.64	1.59	12,661.77	5,573.02	-198.75	5,576.46	6.42	-1.73	-6.18	
18,503.00	89.66	357.50	12,661.53	5,665.99	-199.48	5,669.42	4.52	-1.05	-4.40	
18,599.00	89.92	358.27	12,661.88	5,761.93	-203.03	5,765.41	0.85	0.27	0.80	
18,695.00	90.06	358.61	12,661.90	5,857.89	-205.64	5,861.41	0.38	0.15	0.35	
18,790.00	88.71	357.84	12,662.92	5,952.84	-208.58	5,956.40	1.64	-1.42	-0.81	
18,885.00	88.32	357.24	12,665.38	6,047.72	-212.66	6,051.36	0.75	-0.41	-0.63	
18,979.00	88.77	355.19	12,667.77	6,141.48	-218.86	6,145.26	2.23	0.48	-2.18	
19,074.00	88.57	356.07	12,669.97	6,236.17	-226.10	6,240.13	0.95	-0.21	0.93	
19,169.00	87.79	356.76	12,672.99	6,330.94	-232.04	6,335.03	1.10	-0.82	0.73	
19,264.00	89.44	357.27	12,675.29	6,425.78	-236.98	6,429.98	1.82	1.74	0.54	
19,359.00	92.16	358.41	12,673.96	6,520.69	-240.56	6,524.95	3.10	2.86	1.20	
19,454.00	91.76	357.43	12,670.71	6,615.57	-244.01	6,619.90	1.11	-0.42	-1.03	
19,549.00	91.74	356.71	12,667.81	6,710.40	-248.86	6,714.83	0.76	-0.02	-0.76	
19,643.00	91.54	358.19	12,665.12	6,804.27	-253.04	6,808.78	1.59	-0.21	1.57	
19,737.00	92.19	359.31	12,662.06	6,898.19	-255.09	6,902.72	1.38	0.69	1.19	
19,832.00	91.74	358.77	12,658.80	6,993.12	-256.68	6,997.66	0.74	-0.47	-0.57	
19,925.00	92.27	359.94	12,655.55	7,086.06	-257.73	7,090.58	1.38	0.57	1.26	
20,020.00	92.24	359.77	12,651.81	7,180.99	-257.97	7,185.47	0.18	-0.03	-0.18	
20,115.00	92.61	359.67	12,647.79	7,275.90	-258.43	7,280.36	0.40	0.39	-0.11	
20,209.00	95.36	0.61	12,641.26	7,369.66	-258.20	7,374.08	3.09	2.93	1.00	
20,304.00	96.40	0.58	12,631.53	7,464.16	-257.22	7,468.50	1.10	1.09	-0.03	
20,398.00	94.63	359.21	12,622.49	7,557.71	-257.40	7,562.02	2.38	-1.88	-1.46	
20,492.00	93.98	358.89	12,615.44	7,651.44	-258.95	7,655.75	0.77	-0.69	-0.34	
20,586.00	93.84	359.17	12,609.03	7,745.20	-260.54	7,749.52	0.33	-0.15	0.30	
20,680.00	93.31	359.09	12,603.16	7,839.01	-261.96	7,843.33	0.57	-0.56	-0.09	
20,776.00	91.26	359.01	12,599.34	7,934.91	-263.55	7,939.24	2.14	-2.14	-0.08	



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA FED COM 7H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3306.00usft (PD 594)
Site:	Mammoth 1 Pad (1-2-7-10-11)	MD Reference:	WELL @ 3306.00usft (PD 594)
Well:	WA FED COM 7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)	
20,871.00	90.87	359.16	12,597.57	8,029.89	-265.07	8,034.21	0.44	-0.41	0.16	
20,966.00	90.28	358.92	12,596.62	8,124.87	-266.66	8,129.20	0.67	-0.62	-0.25	
21,062.00	89.50	359.19	12,596.80	8,220.85	-268.24	8,225.19	0.86	-0.81	0.28	
21,157.00	89.83	2.79	12,597.36	8,315.82	-266.60	8,320.07	3.81	0.35	3.79	
21,251.00	91.04	4.77	12,596.64	8,409.61	-260.41	8,413.63	2.47	1.29	2.11	
21,344.00	91.15	6.16	12,594.87	8,502.17	-251.55	8,505.89	1.50	0.12	1.49	
21,439.00	90.17	7.59	12,593.77	8,596.47	-240.18	8,599.82	1.82	-1.03	1.51	
21,534.00	90.70	8.18	12,593.05	8,690.57	-227.15	8,693.49	0.83	0.56	0.62	
21,628.00	89.72	3.91	12,592.71	8,784.03	-217.25	8,786.61	4.66	-1.04	-4.54	
21,722.00	89.78	357.62	12,593.12	8,877.97	-216.00	8,880.47	6.69	0.06	-6.69	
21,819.00	89.89	354.95	12,593.40	8,974.76	-222.28	8,977.40	2.75	0.11	-2.75	
21,914.00	89.50	352.13	12,593.90	9,069.14	-232.97	9,072.06	3.00	-0.41	-2.97	
22,009.00	88.68	352.77	12,595.41	9,163.31	-245.45	9,166.56	1.09	-0.86	0.67	
22,103.00	89.16	358.14	12,597.18	9,256.96	-252.89	9,260.39	5.73	0.51	5.71	
22,197.00	89.89	359.69	12,597.96	9,350.93	-254.67	9,354.38	1.82	0.78	1.65	
22,292.00	90.00	359.76	12,598.05	9,445.93	-255.13	9,449.35	0.14	0.12	0.07	
22,386.00	91.20	357.51	12,597.07	9,539.89	-257.37	9,543.33	2.71	1.28	-2.39	
22,481.00	90.56	356.72	12,595.61	9,634.76	-262.15	9,638.30	1.07	-0.67	-0.83	
22,575.00	90.90	354.56	12,594.41	9,728.48	-269.29	9,732.18	2.33	0.36	-2.30	
22,669.00	89.75	354.43	12,593.88	9,822.04	-278.31	9,825.97	1.23	-1.22	-0.14	
22,763.00	90.00	357.43	12,594.09	9,915.79	-284.98	9,919.88	3.20	0.27	3.19	
22,809.00	90.25	358.71	12,593.99	9,961.76	-286.53	9,965.88	2.84	0.54	2.78	
Last AEP Survey										
22,853.00	90.25	358.71	12,593.79	10,005.75	-287.52	10,009.88	0.00	0.00	0.00	
PTB @ 22853'										

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,085.00	12,068.01	-388.68	-179.89	First AEP Survey @ 12085'
22,809.00	12,593.99	9,961.76	-286.53	Last AEP Survey
22,853.00	12,593.79	10,005.75	-287.52	PTB @ 22853'

Checked By: _____ Approved By: _____ Date: _____

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. 30-025-46133
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Mammoth 1 WA Fed Com
8. Well Number 7H
9. OGRID Number 372098
10. Pool name or Wildcat Hardin Tank; Wolfcamp
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3281' GR

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>N</u> : <u>448</u> feet from the <u>South</u> line and <u>1539</u> feet from the <u>West</u> line Section <u>1</u> Township <u>26S</u> Range <u>34E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3281' GR	

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.

7/4/2022 - Start frac prep operations
 7/8/2022 - MIRU flowback equipment.
 7/10/2022 - Pressure test production casing to 13025 psi for 30 min, held, good test.
 7/27/2022 - Start frac stages 1-41 with 2 shots per foot for a total of 984 shots, 0.41" in size using 25,385,822 lbs of proppant, 3078 gal of 15%HCl Acid, and 462194 bbls of brackish water. Total interval from 12706' to 22671'.
 8/9/2022 - Finish frac stage, and RD frac and support equipment.
 8/29/2022 - Well ready to produce.
 9/1/2022 - Opened well and commence flowback operations. Turn to production.

Marathon Oil Permian LLC would like to request a tubing exception for this well.

Spud Date:

10/14/2019 ~~XXXXXX~~
 10/12/2019

Rig Release Date:

4/4/2022

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

SIGNATURE Adrian Covarrubias TITLE Regulatory Compliance Representative DATE 9/21/2022

Type or print name Adrian Covarrubias E-mail address: acovarrubias@marathonoil.com PHONE: 713-296-3368

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-025-46133		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name Mammoth 1 WA Federal Com		
								6. Well Number: 7H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Marathon Oil Permian LLC							9. OGRID 372098			
10. Address of Operator 990 Town & Country Blvd. Houston, TX 77024							11. Pool name or Wildcat Hardin Tank; Wolfcamp			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	1	26S	34E		448	S	1539	W	LEA
BH:	C	36	25S	34E		101	N	1340	W	LEA
13. Date Spudded 10/14/2019	14. Date T.D. Reached 3/29/2020		15. Date Rig Released 4/3/2022		16. Date Completed (Ready to Produce) 8/29/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3281 GR		
18. Total Measured Depth of Well 22853'			19. Plug Back Measured Depth 22828'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run GR		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,706' - 22,671'; Wolfcamp										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8"		54.5#, J55, STC		1182'		17-1/2"		1155		
7-5/8"		29.7#, P110, BTC		12007'		9-7/8"		2550		
5-1/2"		23#, P110, TLW		22835'		6-3/4"		1935		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 12,706' - 22,671'; 0.41"; 984 shots						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,706' - 22,671'		25,385,822 lbs proppant		
						12,706' - 22,671'		3078 gal 15% HCl Acid		
12,706' - 22,671'		19,412,148 gal brackish water								
28. PRODUCTION										
Date First Production 9/2/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 9/11/2022	Hours Tested 24	Choke Size 34/64	Prod'n For Test Period	Oil - Bbl 1649	Gas - MCF 3901	Water - Bbl. 5162	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure 3041	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude Longitude NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature			Printed Name			Title			Date	
			Adrian Covarrubias			Regulatory Compliance Rep			9/21/2022	
E-mail Address acovarrubias@marathonoil.com										

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 5438'	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5128'	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 9386'	T. Todilto	
T. Abo	T. Castile 3633'	T. Entrada	
T. Wolfcamp 12617'	T. Lamar 5407'	T. Wingate	
T. Penn	T.	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



Wellbore Schematic

Well Name: MAMMOTH 1 WA FED COM 7H

State/Province NEW MEXICO	Country UNITED STATES	Field Name JABALINA SOUTHWEST	Latitude (°) 32.06622680	Longitude (°) -103.42674160	North/South Distance (ft) 448.0	North/South Reference FSL
API/ IPO UWI	KB-Ground Distance (ft)	KB-Mud Line Distance (ft)	Ground Elevation (ft)	Drilling Rig Spud Date	Well Original Completion Date	Well First Production Date

HORIZONTAL, MAMMOTH 1 WA FED COM 7H, 8/30/2022 8:04:48 AM

MD (ftKB)	Incl (°)	TVD (ftKB)	Vertical schematic (actual)
27.9	0.8	27.9	Des:Conductor Cement; Top MD:25.0 ftKB; Btm MD:145.0 ftKB; Date:9/1/2019
1,143.7	0.3	1,143.6	
1,461.6	1.6	1,461.5	Des:Surface Casing Cement; Top MD:25.0 ftKB; Btm MD:1,182.0 ftKB; Date:10/16/2019
1,488.8	1.6	1,488.7	
11,960.0	1.8	11,943.0	Des:Intermediate Casing Cement; Top MD:25.0 ftKB; Btm MD:1,469.7 ftKB; Date:12/5/2019
12,007.2	1.8	11,990.3	
12,154.2	0.9	12,137.2	Des:Intermediate Casing Cement; Top MD:3,310.0 ftKB; Btm MD:12,007.1 ftKB; Date:12/5/2019
12,952.1	77.1	12,655.8	
13,423.9	91.2	12,692.6	Des:Production Casing Cement; Top MD:6,445.0 ftKB; Btm MD:22,834.7 ftKB; Date:4/1/2020
13,689.0	91.5	12,684.7	
14,161.1	89.7	12,678.3	
14,425.9	90.0	12,677.8	
14,898.0	89.7	12,682.8	
15,163.1	89.9	12,682.9	
15,634.8	90.2	12,680.4	
15,899.9	90.4	12,679.6	
16,339.2	90.2	12,675.6	
16,391.1	90.1	12,675.5	
16,863.8	89.6	12,674.2	
17,128.0	90.6	12,674.0	
17,601.0	90.8	12,670.3	
17,865.2	89.8	12,667.7	
18,337.9	91.9	12,663.6	
18,603.0	89.9	12,661.9	
19,075.1	88.6	12,670.0	
19,339.9	91.6	12,674.2	
19,810.4	91.8	12,659.5	
19,833.0	91.7	12,658.8	
20,303.1	96.4	12,631.6	
20,567.9	93.9	12,610.3	
21,040.0	89.7	12,596.8	
21,305.1	91.1	12,595.6	
21,777.9	89.8	12,593.3	
22,042.0	88.8	12,596.0	
22,515.1	90.7	12,595.2	
22,769.0	90.0	12,594.1	
22,782.2	90.1	12,594.0	

No.:1; Des:Conductor 1; OD:20.000 in;
ID:19.000 in; Depth MD:25.0-145.0 ftKB;
Length:120.00 ft

No.:2; Des:Surface; OD:13.375 in;
ID:12.620 in; Depth MD:25.0-1,182.0 ftKB;
Length:1,157.00 ft

No.:3; Des:Intermediate 1; OD:7.625 in;
ID:6.880 in; Depth MD:25.0-12,007.1 ftKB;
Length:11,982.13 ft

No.:4; Des:Production 1; OD:5.500 in;
ID:4.670 in; Depth MD:25.0-22,834.7 ftKB;
Length:22,809.70 ft

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 145306

ACKNOWLEDGMENTS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 145306
	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.

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

CONDITIONS

Action 145306

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 145306
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	3/2/2023