

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 Resources

Form C-104
Revised August 1, 2011

Oil 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 5555 San Felipe St., Houston, TX 77056		² OGRID Number 372098
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 025-46486	⁵ Pool Name WC-025 G-09 S263504N; WOLFCAMP	⁶ Pool Code 98117
⁷ Property Code 326320	⁸ Property Name WXY CHARLIE MURPHY 6 WA FEDERAL COM	⁹ Well Number 12H

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
A	6	26S	35E		271	NORTH	1201	EAST	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
O	7	26S	35E		416	SOUTH	1967	EAST	LEA

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	F				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
16587	ORYX ENERGY CO	O
24650	TARGA MIDSTREAM SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTB	²⁵ Perforations	²⁶ DHC, MC
12/13/2019	9/13/2021	22460' MD	22449' MD	12641' - 22334'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8", 54.5#, J55, STC	1150'	1175		
9-7/8"	7-5/8", 29.7#, P110, BTC	11865'	1145		
6-3/4"	5-1/2", 23#, P110, TWL	22449'	970		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
9/21/2021	9/21/2021	9/22/2021	24 hrs	0	3349
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
18/64	429	3820	395	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:  Printed name: Adrian Covarrubias Title: Regulatory Professional E-mail Address: acovarrubias@marathonoil.com Date: 9/23/2021	OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ
	Title: NMOCD
	Approval Date: 1/31/2022
	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

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-46486		² Pool Code 98117		³ Pool Name WC-025 G-09 S263504N; WOLFCAMP	
⁴ Property Code 326320		Property Name CHARLIE MURPHY 6 WA FEDERAL COM			⁶ Well Number 12H
⁷ OGRID No. 372098		⁸ Operator Name MARATHON OIL PERMIAN LLC			⁹ Elevation 3272'

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
A	6	26S	35E		271	NORTH	1201	EAST	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
O	7	26S	35E		416	SOUTH	1967	EAST	LEA

¹² Dedicated Acres 640.0	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.

CORNER COORDINATES NAD 83, SPCS NM EAST
 A - X: 831020.60' / Y: 393959.45'
 B - X: 831048.36' / Y: 391316.79'
 C - X: 831074.50' / Y: 388675.34'
 D - X: 831129.70' / Y: 383390.47'
 E - X: 828491.21' / Y: 383378.93'
 F - X: 828462.97' / Y: 386016.82'
 G - X: 828434.68' / Y: 388658.54'
 H - X: 828405.91' / Y: 391299.52'
 I - X: 828377.14' / Y: 393941.11'

CORNER COORDINATES NAD 27, SPCS NM EAST
 A - X: 789833.21' / Y: 393901.73'
 B - X: 789860.85' / Y: 391259.15'
 C - X: 789886.87' / Y: 388617.77'
 D - X: 789941.84' / Y: 383333.04'
 E - X: 787303.38' / Y: 383321.52'
 F - X: 787275.25' / Y: 385959.34'
 G - X: 787247.09' / Y: 388600.99'
 H - X: 787218.44' / Y: 391241.90'
 I - X: 787189.78' / Y: 393883.42'

SURFACE HOLE LOCATION
 271' FNL 1201' FEL, SECTION 6
 NAD 83, SPCS NM EAST
 X: 829822.68' / Y: 393679.66'
 LAT: 32.07888150N / LON: 103.40191987W
 NAD 27, SPCS NM EAST
 X: 788635.29' / Y: 393621.97'
 LAT: 32.07875540N / LON: 103.40145643W

KICK OFF POINT
 100' FNL 1984' FEL, SECTION 6
 12017' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 X: 829037.50' / Y: 393845.68'
 LAT: 32.07935643N / LON: 103.40445001W
 NAD 27, SPCS NM EAST
 X: 787850.14' / Y: 393787.99'
 LAT: 32.07923036N / LON: 103.40398645W

FIRST TAKE POINT
 352' FNL 1976' FEL, SECTION 6
 12631' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 X: 829048.21' / Y: 393593.95'
 LAT: 32.07866427N / LON: 103.40442244W
 NAD 27, SPCS NM EAST
 X: 787860.83' / Y: 393536.26'
 LAT: 32.07853820N / LON: 103.40395893W

LAST TAKE POINT
 416' FSL 1967' FEL, SECTION 7
 22460' MEASURED DEPTH IN FEET
 NAD 83, SPCS NM EAST
 X: 829158.37' / Y: 383797.43'
 LAT: 32.05173481N / LON: 103.40433908W
 NAD 27, SPCS NM EAST
 X: 787970.55' / Y: 383740.00'
 LAT: 32.05160859N / LON: 103.40387711W

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] **08/17/2021**
 Signature Date

Adrian Covarrubias
 Printed Name

E-mail Address

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.

AUGUST 13, 2021
 Date of Survey

[Signature]
 Signature and Seal of Professional Surveyor

DAVID W. MYERS 11403
 Certificate Number

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99985058 Convergence Angle: 00°29'34.804752"

Horizontal Spacing Unit



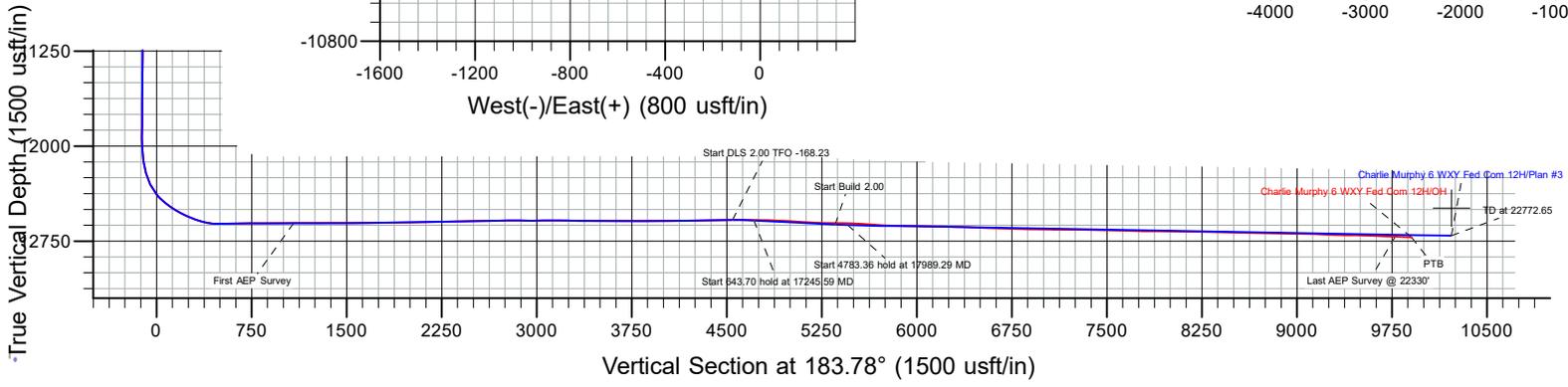
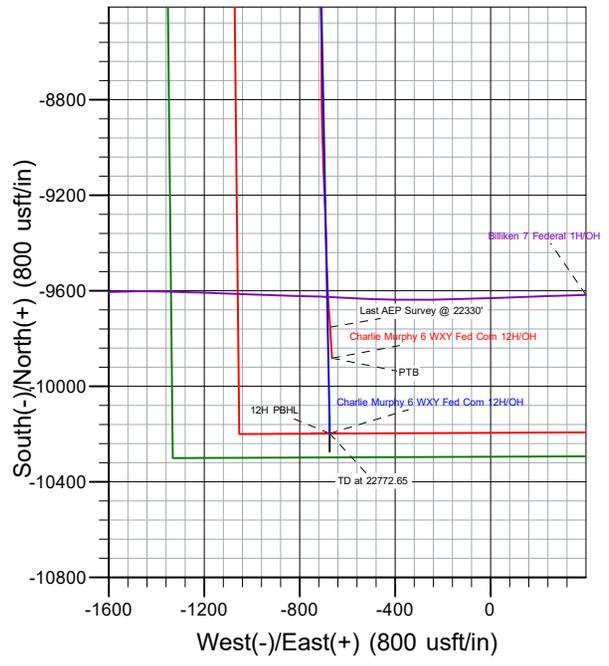
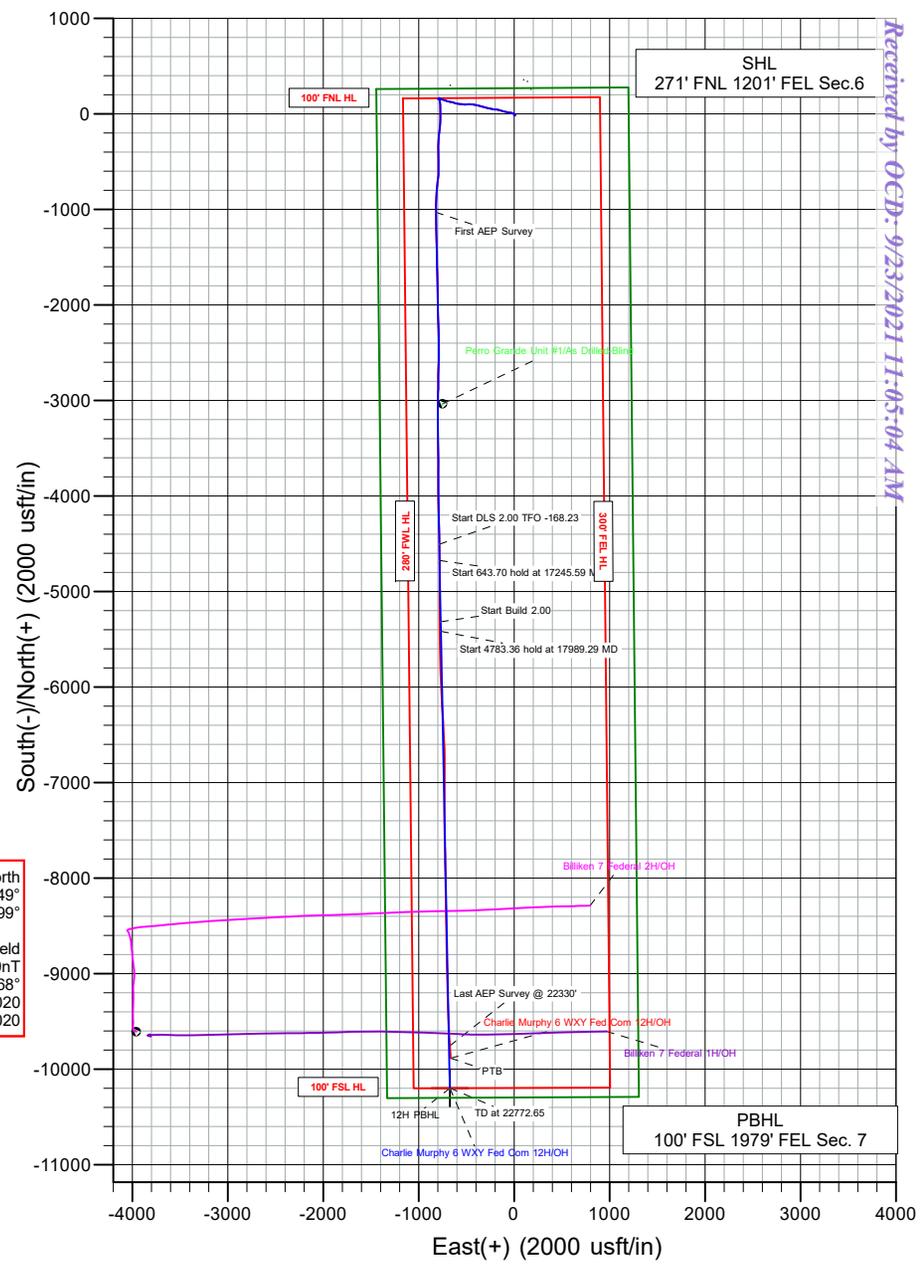
Project: Lea County, NM (NAD27)
 Site: Charlie Murphy 6 Pad
 Well: Charlie Murphy 6 WXY Fed Com 12H
 Wellbore: OH
 Design: Plan #3
 Lat: 32.078755
 Long: -103.401456
 GL: 3272.00
 KB: WELL @ 3297.00usft (PD 601)



WELL DETAILS: Charlie Murphy 6 WXY Fed Com 12H						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	393621.97	788635.29	32.078755	-103.401456	

WELLBORE TARGET DETAILS (LAT/LONG)							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	Point
12H PBHL	12489.71	-10197.58	-673.73	383424.39	787961.56		

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Annotation	
17075.00	90.34	179.58	12582.38	-4502.74	-783.69	0.00	0.00	4544.61	Start DLS 2.00 TFO -168.23	
17245.59	87.00	178.88	12586.34	-4673.25	-781.41	2.00	-168.23	4714.59	Start 643.70 hold at 17245.59 MD	
17889.29	87.00	178.88	12620.03	-5315.94	-768.88	0.00	0.00	5355.07	Start Build 2.00	
17989.29	89.00	178.88	12623.52	-5415.86	-766.93	2.00	0.00	5454.64	Start 4783.36 hold at 17989.29 MD	
22772.65	89.00	178.88	12707.00	-10197.58	-673.73	0.00	0.00	10219.81	TD at 22772.65	





Marathon Oil

Lea County, NM (NAD27)
Charlie Murphy 6 Pad
Charlie Murphy 6 WXY Fed Com 12H

OH

Design: OH

Standard Survey Report

24 March, 2020





Altitude Energy Partners
Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well Charlie Murphy 6 WXY Fed Com 12H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3297.00usft (PD 601)
Site:	Charlie Murphy 6 Pad	MD Reference:	WELL @ 3297.00usft (PD 601)
Well:	Charlie Murphy 6 WXY Fed Com 12H	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	Charlie Murphy 6 Pad				
Site Position:		Northing:	393,621.97 usft	Latitude:	32.078755
From:	Map	Easting:	788,635.29 usft	Longitude:	-103.401457
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Charlie Murphy 6 WXY Fed Com 12H					
Well Position	+N/-S	0.00 usft	Northing:	393,621.97 usft	Latitude:	32.078755
	+E/-W	0.00 usft	Easting:	788,635.29 usft	Longitude:	-103.401457
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,272.00 usft
Grid Convergence:	0.49 °					

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	3/9/2020	6.48	59.68	47,645.90000000

Design	OH				
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	183.85	

Survey Program	Date	3/24/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
156.00	13,536.00	Survey #1 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
13,601.00	22,460.00	AEP Survey (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Survey											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
156.00	0.62	206.05	156.00	-0.76	-0.37	0.78	0.40	0.40	0.00	0.00	
240.00	0.62	186.10	239.99	-1.62	-0.62	1.66	0.26	0.00	-23.75		
312.00	0.92	184.08	311.99	-2.58	-0.70	2.62	0.42	0.42	-2.81		
402.00	1.32	174.50	401.97	-4.33	-0.65	4.37	0.49	0.44	-10.64		
447.00	1.19	171.44	446.96	-5.31	-0.53	5.34	0.32	-0.29	-6.80		
536.00	0.80	166.50	535.94	-6.83	-0.25	6.83	0.45	-0.44	-5.55		
625.00	1.20	170.02	624.93	-8.35	0.06	8.33	0.45	0.45	3.96		
713.00	1.36	175.60	712.91	-10.30	0.30	10.26	0.23	0.18	6.34		



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well Charlie Murphy 6 WXY Fed Com 12H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3297.00usft (PD 601)
Site:	Charlie Murphy 6 Pad	MD Reference:	WELL @ 3297.00usft (PD 601)
Well:	Charlie Murphy 6 WXY Fed Com 12H	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)	
758.00	1.45	157.62	757.89	-11.36	0.55	11.30	1.00	0.20	-39.96	
844.00	1.36	149.07	843.87	-13.24	1.49	13.11	0.26	-0.10	-9.94	
890.00	1.14	131.52	889.86	-14.01	2.11	13.84	0.95	-0.48	-38.15	
934.00	1.27	127.74	933.85	-14.60	2.83	14.38	0.35	0.30	-8.59	
1,025.00	1.40	111.00	1,024.82	-15.62	4.66	15.27	0.45	0.14	-18.40	
1,114.00	1.24	73.96	1,113.80	-15.74	6.60	15.26	0.96	-0.18	-41.62	
1,223.00	1.63	90.58	1,222.77	-15.43	9.29	14.77	0.52	0.36	15.25	
1,313.00	1.02	53.64	1,312.75	-14.97	11.21	14.18	1.13	-0.68	-41.04	
1,402.00	1.30	355.13	1,401.73	-13.49	11.77	12.67	1.30	0.31	-65.74	
1,492.00	2.62	323.38	1,491.68	-10.83	10.45	10.10	1.85	1.47	-35.28	
1,581.00	3.99	318.98	1,580.53	-6.86	7.21	6.36	1.56	1.54	-4.94	
1,671.00	5.47	314.71	1,670.22	-1.48	2.10	1.33	1.69	1.64	-4.74	
1,760.00	5.86	304.68	1,758.79	4.09	-4.65	-3.77	1.19	0.44	-11.27	
1,850.00	6.24	288.35	1,848.29	8.25	-13.07	-7.35	1.95	0.42	-18.14	
1,939.00	7.01	280.60	1,936.70	10.77	-23.00	-9.20	1.32	0.87	-8.71	
2,029.00	7.54	280.01	2,025.97	12.81	-34.21	-10.48	0.59	0.59	-0.66	
2,118.00	7.98	280.68	2,114.16	14.97	-46.03	-11.85	0.50	0.49	0.75	
2,208.00	7.97	279.96	2,203.29	17.20	-58.32	-13.25	0.11	-0.01	-0.80	
2,297.00	8.32	279.95	2,291.39	19.38	-70.74	-14.60	0.39	0.39	-0.01	
2,387.00	8.22	281.51	2,380.45	21.79	-83.46	-16.15	0.27	-0.11	1.73	
2,476.00	8.57	282.25	2,468.50	24.47	-96.17	-17.96	0.41	0.39	0.83	
2,656.00	8.52	285.52	2,646.50	30.88	-122.13	-22.62	0.27	-0.03	1.82	
2,745.00	8.63	287.04	2,734.51	34.60	-134.86	-25.48	0.28	0.12	1.71	
2,835.00	8.51	287.48	2,823.50	38.58	-147.67	-28.59	0.15	-0.13	0.49	
2,924.00	7.75	285.07	2,911.61	42.12	-159.75	-31.31	0.94	-0.85	-2.71	
3,014.00	7.33	283.38	3,000.83	45.03	-171.19	-33.44	0.53	-0.47	-1.88	
3,104.00	6.74	278.57	3,090.15	47.14	-182.00	-34.83	0.93	-0.66	-5.34	
3,283.00	5.84	271.51	3,268.08	48.95	-201.49	-35.32	0.66	-0.50	-3.94	
3,372.00	5.57	273.41	3,356.64	49.32	-210.33	-35.11	0.37	-0.30	2.13	
3,462.00	4.60	275.14	3,446.28	49.91	-218.28	-35.15	1.09	-1.08	1.92	
3,552.00	4.98	278.26	3,535.97	50.79	-225.74	-35.54	0.51	0.42	3.47	
3,641.00	5.75	282.08	3,624.58	52.28	-233.93	-36.47	0.95	0.87	4.29	
3,820.00	5.88	284.36	3,802.66	56.43	-251.58	-39.43	0.15	0.07	1.27	
3,910.00	6.15	285.41	3,892.16	58.85	-260.69	-41.24	0.32	0.30	1.17	
3,999.00	6.53	284.68	3,980.62	61.40	-270.18	-43.14	0.44	0.43	-0.82	
4,088.00	6.85	283.09	4,069.01	63.89	-280.25	-44.95	0.42	0.36	-1.79	
4,178.00	7.02	282.71	4,158.35	66.31	-290.84	-46.66	0.20	0.19	-0.42	
4,267.00	6.10	280.94	4,246.77	68.41	-300.79	-48.08	1.06	-1.03	-1.99	
4,357.00	5.61	280.26	4,336.30	70.10	-309.81	-49.16	0.55	-0.54	-0.76	
4,446.00	5.82	283.78	4,424.86	71.95	-318.47	-50.43	0.46	0.24	3.96	
4,536.00	5.50	286.63	4,514.42	74.27	-327.04	-52.17	0.47	-0.36	3.17	
4,625.00	4.27	288.52	4,603.09	76.54	-334.27	-53.95	1.39	-1.38	2.12	
4,715.00	4.70	289.11	4,692.82	78.81	-340.93	-55.77	0.48	0.48	0.66	



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well Charlie Murphy 6 WXY Fed Com 12H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3297.00usft (PD 601)
Site:	Charlie Murphy 6 Pad	MD Reference:	WELL @ 3297.00usft (PD 601)
Well:	Charlie Murphy 6 WXY Fed Com 12H	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)	
4,805.00	6.24	289.73	4,782.40	81.67	-349.02	-58.08	1.71	1.71	0.69	
4,894.00	6.22	290.02	4,870.88	84.96	-358.10	-60.75	0.04	-0.02	0.33	
4,983.00	5.75	285.12	4,959.39	87.77	-366.93	-62.96	0.78	-0.53	-5.51	
5,073.00	5.25	283.05	5,048.98	89.88	-375.30	-64.50	0.60	-0.56	-2.30	
5,163.00	5.84	281.35	5,138.56	91.71	-383.80	-65.76	0.68	0.66	-1.89	
5,252.00	6.52	280.27	5,227.04	93.50	-393.21	-66.92	0.78	0.76	-1.21	
5,342.00	6.68	282.48	5,316.44	95.54	-403.35	-68.27	0.33	0.18	2.46	
5,431.00	6.84	281.43	5,404.82	97.71	-413.60	-69.75	0.23	0.18	-1.18	
5,520.00	7.33	274.63	5,493.15	99.22	-424.45	-70.53	1.09	0.55	-7.64	
5,610.00	7.62	274.55	5,582.38	100.16	-436.12	-70.68	0.32	0.32	-0.09	
5,700.00	7.85	273.17	5,671.56	100.97	-448.21	-70.68	0.33	0.26	-1.53	
5,789.00	7.99	273.10	5,759.71	101.64	-460.45	-70.53	0.16	0.16	-0.08	
5,878.00	7.85	271.43	5,847.86	102.13	-472.71	-70.19	0.30	-0.16	-1.88	
5,968.00	6.34	266.02	5,937.17	101.93	-483.81	-69.25	1.83	-1.68	-6.01	
6,057.00	6.55	264.09	6,025.61	101.07	-493.76	-67.73	0.34	0.24	-2.17	
6,146.00	6.34	267.39	6,114.05	100.32	-503.72	-66.31	0.48	-0.24	3.71	
6,236.00	5.85	267.71	6,203.54	99.91	-513.26	-65.26	0.55	-0.54	0.36	
6,323.00	4.73	276.34	6,290.17	100.13	-521.26	-64.95	1.58	-1.29	9.92	
6,415.00	4.83	275.90	6,381.85	100.95	-528.88	-65.25	0.12	0.11	-0.48	
6,505.00	4.65	276.36	6,471.54	101.74	-536.28	-65.55	0.20	-0.20	0.51	
6,594.00	4.61	274.07	6,560.25	102.40	-543.43	-65.72	0.21	-0.04	-2.57	
6,684.00	4.89	273.35	6,649.94	102.88	-550.87	-65.70	0.32	0.31	-0.80	
6,773.00	4.69	274.82	6,738.63	103.41	-558.28	-65.73	0.26	-0.22	1.65	
6,863.00	4.94	276.01	6,828.31	104.12	-565.80	-65.94	0.30	0.28	1.32	
6,952.00	5.45	277.03	6,916.95	105.04	-573.81	-66.32	0.58	0.57	1.15	
7,042.00	5.60	276.85	7,006.53	106.09	-582.41	-66.78	0.17	0.17	-0.20	
7,132.00	5.73	276.25	7,096.09	107.10	-591.23	-67.20	0.16	0.14	-0.67	
7,310.00	5.31	288.44	7,273.27	110.67	-607.88	-69.65	0.70	-0.24	6.85	
7,400.00	5.31	288.32	7,362.88	113.30	-615.78	-71.74	0.01	0.00	-0.13	
7,490.00	5.41	287.23	7,452.49	115.86	-623.79	-73.76	0.16	0.11	-1.21	
7,579.00	5.25	286.08	7,541.11	118.23	-631.71	-75.60	0.22	-0.18	-1.29	
7,669.00	5.40	286.46	7,630.72	120.57	-639.73	-77.40	0.17	0.17	0.42	
7,758.00	5.18	284.25	7,719.34	122.75	-647.64	-79.04	0.34	-0.25	-2.48	
7,848.00	5.55	282.52	7,808.94	124.69	-655.82	-80.43	0.45	0.41	-1.92	
7,937.00	5.27	279.52	7,897.55	126.30	-664.06	-81.48	0.45	-0.31	-3.37	
8,027.00	4.99	278.50	7,987.19	127.56	-672.00	-82.21	0.33	-0.31	-1.13	
8,116.00	5.30	280.13	8,075.83	128.86	-679.88	-82.97	0.39	0.35	1.83	
8,206.00	5.02	283.17	8,165.46	130.49	-687.81	-84.06	0.43	-0.31	3.38	
8,295.00	4.69	285.82	8,254.14	132.37	-695.10	-85.45	0.45	-0.37	2.98	
8,385.00	5.41	287.10	8,343.79	134.62	-702.69	-87.18	0.81	0.80	1.42	
8,475.00	5.90	290.54	8,433.36	137.49	-711.08	-89.49	0.66	0.54	3.82	
8,564.00	5.79	291.76	8,521.89	140.76	-719.53	-92.18	0.19	-0.12	1.37	
8,654.00	5.26	290.01	8,611.48	143.85	-727.62	-94.73	0.62	-0.59	-1.94	



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well Charlie Murphy 6 WXY Fed Com 12H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3297.00usft (PD 601)
Site:	Charlie Murphy 6 Pad	MD Reference:	WELL @ 3297.00usft (PD 601)
Well:	Charlie Murphy 6 WXY Fed Com 12H	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)
8,743.00	4.88	287.94	8,700.13	146.41	-735.06	-96.78	0.47	-0.43	-2.33
8,833.00	5.22	289.64	8,789.78	148.97	-742.56	-98.83	0.41	0.38	1.89
8,922.00	4.94	291.72	8,878.43	151.75	-749.93	-101.11	0.38	-0.31	2.34
9,012.00	5.12	289.84	8,968.08	154.55	-757.31	-103.40	0.27	0.20	-2.09
9,101.00	4.41	287.33	9,056.77	156.91	-764.31	-105.30	0.83	-0.80	-2.82
9,191.00	3.60	286.51	9,146.55	158.75	-770.32	-106.72	0.90	-0.90	-0.91
9,370.00	2.40	283.97	9,325.30	161.25	-779.35	-108.61	0.67	-0.67	-1.42
9,460.00	2.21	273.43	9,415.23	161.81	-782.91	-108.93	0.52	-0.21	-11.71
9,549.00	2.10	266.91	9,504.17	161.82	-786.25	-108.72	0.30	-0.12	-7.33
9,639.00	1.74	262.98	9,594.12	161.57	-789.25	-108.27	0.43	-0.40	-4.37
9,728.00	2.06	258.94	9,683.07	161.09	-792.16	-107.60	0.39	0.36	-4.54
9,818.00	2.01	246.92	9,773.01	160.16	-795.20	-106.47	0.48	-0.06	-13.36
9,907.00	1.48	210.47	9,861.97	158.56	-797.22	-104.73	1.35	-0.60	-40.96
9,996.00	1.17	50.17	9,950.97	158.15	-797.11	-104.33	2.93	-0.35	-180.11
10,086.00	1.42	61.55	10,040.94	159.27	-795.42	-105.56	0.40	0.28	12.64
10,175.00	1.38	70.49	10,129.92	160.16	-793.44	-106.58	0.25	-0.04	10.04
10,265.00	0.69	72.12	10,219.90	160.68	-791.90	-107.21	0.77	-0.77	1.81
10,355.00	0.27	98.59	10,309.90	160.82	-791.18	-107.39	0.52	-0.47	29.41
10,444.00	0.65	118.79	10,398.89	160.54	-790.53	-107.16	0.46	0.43	22.70
10,623.00	0.26	161.31	10,577.89	159.67	-789.51	-106.36	0.27	-0.22	23.75
10,713.00	0.00	337.10	10,667.89	159.48	-789.44	-106.17	0.29	-0.29	0.00
10,802.00	0.26	260.10	10,756.89	159.44	-789.64	-106.12	0.29	0.29	0.00
10,892.00	0.20	341.36	10,846.89	159.56	-789.89	-106.22	0.34	-0.07	90.29
11,071.00	0.19	312.90	11,025.89	160.05	-790.21	-106.69	0.05	-0.01	-15.90
11,161.00	0.37	38.10	11,115.89	160.38	-790.14	-107.03	0.45	0.20	94.67
11,250.00	0.60	26.63	11,204.88	161.03	-789.75	-107.70	0.28	0.26	-12.89
11,340.00	0.90	40.89	11,294.87	161.98	-789.08	-108.69	0.39	0.33	15.84
11,429.00	0.75	21.12	11,383.87	163.05	-788.41	-109.81	0.36	-0.17	-22.21
11,519.00	0.77	24.75	11,473.86	164.15	-787.95	-110.94	0.06	0.02	4.03
11,608.00	0.69	46.14	11,562.85	165.07	-787.31	-111.89	0.32	-0.09	24.03
11,698.00	0.48	56.81	11,652.85	165.65	-786.60	-112.52	0.26	-0.23	11.86
11,787.00	0.41	36.17	11,741.84	166.11	-786.11	-113.01	0.20	-0.08	-23.19
11,820.00	0.31	74.17	11,774.84	166.23	-785.95	-113.14	0.77	-0.30	115.15
11,883.00	0.36	54.73	11,837.84	166.39	-785.62	-113.32	0.20	0.08	-30.86
11,977.00	0.22	27.53	11,931.84	166.72	-785.30	-113.68	0.20	-0.15	-28.94
12,072.00	2.23	173.25	12,026.82	165.05	-785.00	-112.03	2.54	2.12	153.39
12,166.00	9.17	167.59	12,120.30	155.91	-783.17	-103.03	7.40	7.38	-6.02
12,261.00	15.49	170.76	12,213.06	135.97	-779.50	-83.38	6.69	6.65	3.34
12,357.00	26.19	173.38	12,302.65	102.18	-774.99	-49.97	11.19	11.15	2.73
12,451.00	40.05	179.87	12,381.21	51.06	-772.52	0.87	15.20	14.74	6.90
12,545.00	50.70	180.07	12,447.15	-15.74	-772.49	67.52	11.33	11.33	0.21
12,638.00	58.41	183.02	12,501.05	-91.41	-774.63	143.16	8.68	8.29	3.17
12,733.00	65.63	186.09	12,545.60	-174.96	-781.36	226.97	8.12	7.60	3.23
12,827.00	69.09	186.32	12,581.78	-261.20	-790.74	313.64	3.69	3.68	0.24



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well Charlie Murphy 6 WXY Fed Com 12H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3297.00usft (PD 601)
Site:	Charlie Murphy 6 Pad	MD Reference:	WELL @ 3297.00usft (PD 601)
Well:	Charlie Murphy 6 WXY Fed Com 12H	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)	
12,922.00	80.70	178.83	12,606.52	-352.60	-794.68	405.10	14.39	12.22	-7.88	
13,015.00	91.14	178.78	12,613.13	-445.21	-792.75	497.38	11.23	11.23	-0.05	
13,108.00	91.89	181.11	12,610.67	-538.17	-792.66	590.13	2.63	0.81	2.51	
13,158.00	90.28	179.02	12,609.72	-588.16	-792.72	640.00	5.28	-3.22	-4.18	
13,253.00	89.69	187.39	12,609.75	-682.93	-798.02	734.91	8.83	-0.62	8.81	
13,347.00	90.12	185.05	12,609.90	-776.37	-808.21	828.83	2.53	0.46	-2.49	
13,442.00	90.49	182.84	12,609.40	-871.13	-814.74	923.82	2.36	0.39	-2.33	
13,536.00	89.78	182.86	12,609.18	-965.02	-819.42	1,017.80	0.76	-0.76	0.02	
13,601.00	91.32	178.67	12,608.55	-1,029.99	-820.29	1,082.69	6.87	2.37	-6.45	
First AEP Survey										
13,696.00	90.11	178.08	12,607.37	-1,124.94	-817.59	1,177.25	1.42	-1.27	-0.62	
13,790.00	90.08	177.94	12,607.21	-1,218.89	-814.33	1,270.76	0.15	-0.03	-0.15	
13,884.00	89.72	179.13	12,607.38	-1,312.85	-811.92	1,364.36	1.32	-0.38	1.27	
13,979.00	90.11	179.73	12,607.52	-1,407.85	-810.98	1,459.07	0.75	0.41	0.63	
14,074.00	89.16	177.48	12,608.12	-1,502.81	-808.67	1,553.67	2.57	-1.00	-2.37	
14,168.00	91.04	179.44	12,607.96	-1,596.77	-806.14	1,647.24	2.89	2.00	2.09	
14,262.00	91.18	178.80	12,606.14	-1,690.74	-804.70	1,740.90	0.70	0.15	-0.68	
14,356.00	92.16	180.00	12,603.40	-1,784.69	-803.71	1,834.58	1.65	1.04	1.28	
14,451.00	89.33	177.43	12,602.16	-1,879.64	-801.58	1,929.17	4.02	-2.98	-2.71	
14,545.00	91.93	179.98	12,601.13	-1,973.60	-799.46	2,022.77	3.87	2.77	2.71	
14,640.00	90.95	178.49	12,598.74	-2,068.55	-798.19	2,117.43	1.88	-1.03	-1.57	
14,734.00	91.12	177.92	12,597.04	-2,162.49	-795.25	2,210.96	0.63	0.18	-0.61	
14,829.00	90.42	176.90	12,595.77	-2,257.39	-790.95	2,305.35	1.30	-0.74	-1.07	
14,923.00	91.82	179.81	12,593.93	-2,351.32	-788.26	2,398.89	3.43	1.49	3.10	
15,017.00	90.42	179.95	12,592.09	-2,445.30	-788.06	2,492.65	1.50	-1.49	0.15	
15,112.00	90.95	180.63	12,590.96	-2,540.29	-788.54	2,587.45	0.91	0.56	0.72	
15,205.00	91.68	182.10	12,588.82	-2,633.23	-790.75	2,680.34	1.76	0.78	1.58	
15,299.00	90.08	182.12	12,587.38	-2,727.15	-794.21	2,774.28	1.70	-1.70	0.02	
15,391.00	89.44	179.19	12,587.76	-2,819.14	-795.27	2,866.13	3.26	-0.70	-3.18	
15,484.00	89.92	182.01	12,588.28	-2,912.12	-796.24	2,958.97	3.08	0.52	3.03	
15,578.00	90.53	179.88	12,587.91	-3,006.10	-797.79	3,052.84	2.36	0.65	-2.27	
15,671.00	90.81	180.51	12,586.83	-3,099.09	-798.11	3,145.65	0.74	0.30	0.68	
15,765.00	88.09	180.43	12,587.73	-3,193.08	-798.88	3,239.47	2.89	-2.89	-0.09	
15,858.00	89.19	179.81	12,589.94	-3,286.05	-799.07	3,332.24	1.36	1.18	-0.67	
15,952.00	90.00	179.02	12,590.60	-3,380.04	-798.11	3,425.96	1.20	0.86	-0.84	
16,045.00	89.69	179.54	12,590.85	-3,473.03	-796.94	3,518.66	0.65	-0.33	0.56	
16,139.00	90.45	178.69	12,590.74	-3,567.02	-795.49	3,612.34	1.21	0.81	-0.90	
16,234.00	89.55	179.07	12,590.74	-3,662.00	-793.63	3,706.98	1.03	-0.95	0.40	
16,322.00	89.47	181.50	12,591.49	-3,749.99	-794.07	3,794.80	2.76	-0.09	2.76	
16,416.00	89.92	179.42	12,591.99	-3,843.98	-794.83	3,888.63	2.26	0.48	-2.21	
16,510.00	89.75	180.15	12,592.26	-3,937.98	-794.47	3,982.40	0.80	-0.18	0.78	
16,604.00	91.54	179.60	12,591.20	-4,031.97	-794.27	4,076.16	1.99	1.90	-0.59	
16,698.00	91.15	177.35	12,589.00	-4,125.90	-791.77	4,169.72	2.43	-0.41	-2.39	



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well Charlie Murphy 6 WXY Fed Com 12H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3297.00usft (PD 601)
Site:	Charlie Murphy 6 Pad	MD Reference:	WELL @ 3297.00usft (PD 601)
Well:	Charlie Murphy 6 WXY Fed Com 12H	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)	
16,792.00	91.43	179.09	12,586.88	-4,219.83	-788.85	4,263.24	1.87	0.30	1.85	
16,886.00	90.84	178.73	12,585.02	-4,313.79	-787.06	4,356.87	0.74	-0.63	-0.38	
16,980.00	91.01	178.80	12,583.50	-4,407.76	-785.04	4,450.49	0.20	0.18	0.07	
17,075.00	90.34	179.58	12,582.38	-4,502.74	-783.69	4,545.17	1.08	-0.71	0.82	
17,168.00	89.97	178.89	12,582.13	-4,595.73	-782.45	4,637.86	0.84	-0.40	-0.74	
17,263.00	89.22	179.18	12,582.80	-4,690.72	-780.85	4,732.53	0.85	-0.79	0.31	
17,357.00	88.18	180.42	12,584.93	-4,784.69	-780.52	4,826.26	1.72	-1.11	1.32	
17,452.00	87.67	180.34	12,588.37	-4,879.62	-781.15	4,921.03	0.54	-0.54	-0.08	
17,542.00	86.25	179.15	12,593.15	-4,969.49	-780.75	5,010.67	2.06	-1.58	-1.32	
17,636.00	86.92	179.51	12,598.75	-5,063.32	-779.66	5,104.21	0.81	0.71	0.38	
17,731.00	86.35	179.92	12,604.32	-5,158.15	-779.18	5,198.80	0.74	-0.60	0.43	
17,825.00	90.00	180.27	12,607.31	-5,252.09	-779.34	5,292.53	3.90	3.88	0.37	
17,918.00	89.30	182.10	12,607.88	-5,345.06	-781.26	5,385.43	2.11	-0.75	1.97	
18,012.00	87.62	179.10	12,610.41	-5,439.01	-782.25	5,479.23	3.66	-1.79	-3.19	
18,106.00	86.80	178.51	12,614.98	-5,532.88	-780.29	5,572.75	1.07	-0.87	-0.63	
18,199.00	86.50	177.92	12,620.42	-5,625.67	-777.40	5,665.14	0.71	-0.32	-0.63	
18,293.00	86.69	178.13	12,626.00	-5,719.45	-774.16	5,758.50	0.30	0.20	0.22	
18,385.00	89.97	177.91	12,628.68	-5,811.34	-770.99	5,849.97	3.57	3.57	-0.24	
18,476.00	89.08	178.57	12,629.44	-5,902.30	-768.19	5,940.53	1.22	-0.98	0.73	
18,570.00	88.60	176.88	12,631.34	-5,996.20	-764.46	6,033.97	1.87	-0.51	-1.80	
18,663.00	88.96	177.55	12,633.32	-6,089.07	-759.95	6,126.33	0.82	0.39	0.72	
18,756.00	88.43	177.07	12,635.44	-6,181.94	-755.58	6,218.70	0.77	-0.57	-0.52	
18,849.00	88.88	176.71	12,637.62	-6,274.78	-750.54	6,310.99	0.62	0.48	-0.39	
18,941.00	86.75	174.25	12,641.13	-6,366.41	-743.29	6,401.93	3.54	-2.32	-2.67	
19,034.00	89.78	180.11	12,643.95	-6,459.21	-738.73	6,494.21	7.09	3.26	6.30	
19,127.00	87.28	176.34	12,646.33	-6,552.11	-735.85	6,586.71	4.86	-2.69	-4.05	
19,221.00	87.20	176.12	12,650.86	-6,645.79	-729.68	6,679.77	0.25	-0.09	-0.23	
19,316.00	88.94	181.14	12,654.06	-6,740.68	-727.41	6,774.29	5.59	1.83	5.28	
19,410.00	89.33	179.53	12,655.48	-6,834.66	-727.96	6,868.10	1.76	0.41	-1.71	
19,504.00	89.19	179.95	12,656.69	-6,928.65	-727.53	6,961.85	0.47	-0.15	0.45	
19,598.00	88.88	179.22	12,658.28	-7,022.64	-726.85	7,055.58	0.84	-0.33	-0.78	
19,693.00	90.36	182.86	12,658.91	-7,117.60	-728.58	7,150.44	4.14	1.56	3.83	
19,787.00	89.13	179.66	12,659.33	-7,211.56	-730.64	7,244.33	3.65	-1.31	-3.40	
19,882.00	89.58	180.10	12,660.40	-7,306.56	-730.44	7,339.10	0.66	0.47	0.46	
19,977.00	87.84	178.47	12,662.53	-7,401.52	-729.26	7,433.76	2.51	-1.83	-1.72	
20,070.00	89.89	181.15	12,664.38	-7,494.49	-728.95	7,526.50	3.63	2.20	2.88	
20,164.00	87.62	177.38	12,666.42	-7,588.43	-727.75	7,620.16	4.68	-2.41	-4.01	
20,258.00	88.52	177.27	12,669.59	-7,682.28	-723.36	7,713.49	0.96	0.96	-0.12	
20,352.00	89.64	183.32	12,671.10	-7,776.22	-723.85	7,807.26	6.54	1.19	6.44	
20,447.00	89.52	178.41	12,671.79	-7,871.18	-725.28	7,902.10	5.17	-0.13	-5.17	
20,541.00	88.96	178.17	12,673.04	-7,965.13	-722.48	7,995.65	0.65	-0.60	-0.26	
20,635.00	89.02	178.26	12,674.70	-8,059.07	-719.55	8,089.18	0.12	0.06	0.10	
20,728.00	88.99	178.66	12,676.31	-8,152.02	-717.05	8,181.75	0.43	-0.03	0.43	
20,823.00	89.41	178.58	12,677.64	-8,246.98	-714.76	8,276.35	0.45	0.44	-0.08	



Altitude Energy Partners

Survey Report



Company:	Marathon Oil	Local Co-ordinate Reference:	Well Charlie Murphy 6 WXY Fed Com 12H
Project:	Lea County, NM (NAD27)	TVD Reference:	WELL @ 3297.00usft (PD 601)
Site:	Charlie Murphy 6 Pad	MD Reference:	WELL @ 3297.00usft (PD 601)
Well:	Charlie Murphy 6 WXY Fed Com 12H	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)
20,917.00	89.02	179.45	12,678.93	-8,340.96	-713.15	8,370.01	1.01	-0.41	0.93
21,011.00	88.80	178.12	12,680.71	-8,434.92	-711.15	8,463.62	1.43	-0.23	-1.41
21,106.00	88.49	179.65	12,682.96	-8,529.87	-709.31	8,558.24	1.64	-0.33	1.61
21,200.00	88.96	179.91	12,685.05	-8,623.84	-708.95	8,651.98	0.57	0.50	0.28
21,294.00	88.51	179.51	12,687.13	-8,717.82	-708.47	8,745.71	0.64	-0.48	-0.43
21,389.00	88.96	179.61	12,689.23	-8,812.79	-707.74	8,840.42	0.49	0.47	0.11
21,483.00	88.88	177.79	12,691.00	-8,906.75	-705.61	8,934.02	1.94	-0.09	-1.94
21,576.00	90.34	179.02	12,691.63	-8,999.71	-703.02	9,026.59	2.05	1.57	1.32
21,670.00	87.14	177.67	12,693.70	-9,093.63	-700.31	9,120.12	3.69	-3.40	-1.44
21,765.00	87.59	177.75	12,698.06	-9,188.45	-696.51	9,214.48	0.48	0.47	0.08
21,860.00	88.35	177.78	12,701.43	-9,283.32	-692.81	9,308.88	0.80	0.80	0.03
21,954.00	90.08	177.90	12,702.72	-9,377.24	-689.27	9,402.36	1.84	1.84	0.13
22,047.00	88.07	178.69	12,704.22	-9,470.18	-686.50	9,494.90	2.32	-2.16	0.85
22,142.00	88.01	177.97	12,707.47	-9,565.09	-683.74	9,589.41	0.76	-0.06	-0.76
22,237.00	87.48	175.72	12,711.21	-9,659.86	-678.51	9,683.62	2.43	-0.56	-2.37
22,330.00	87.82	176.51	12,715.02	-9,752.57	-672.22	9,775.70	0.92	0.37	0.85
Last AEP Survey @ 22330'									
22,460.00	87.82	176.51	12,719.96	-9,882.24	-664.31	9,904.54	0.00	0.00	0.00
PTB									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
13,601.00	12,608.55	-1,029.99	-820.29	First AEP Survey
22,330.00	12,715.02	-9,752.57	-672.22	Last AEP Survey @ 22330'
22,460.00	12,719.96	-9,882.24	-664.31	PTB

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. 30-025-46486
5. Indicate Type of Lease STATE [] FEE []
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Charlie Murphy 6 WA Federal Com
8. Well Number 12H
9. OGRID Number 372098
10. Pool name or Wildcat WC-025 G-09 S263504N; Wolfcamp
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3272' GL

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 [x] Gas Well [] Other []
2. Name of Operator Marathon Oil Permian LLC
3. Address of Operator 5555 San Felipe St., Houston, TX 77056
4. Well Location Unit Letter A : 271 feet from the NORTH line and 1201 feet from the EAST line
Section 6 Township 26S Range 35E NMPM County LEA
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3272' GL

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON []
TEMPORARILY ABANDON [] CHANGE PLANS []
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: Completions [x]

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.

- 3/26/2020 - Perform Production Casing Pressure Test to 10,000psi for 30 min. Held, good test.
8/13/2021 - MIRU
8/18/2021 - Started Frac Prep Operations
8/28/2021 - frac stages 1 - 34 with 2 shots per foot for a total of 1002 shots, 036-in. in size using 24,397,850 lbs of 100 Mesh. Stimulated with 3780 gal of 15% HCL Acid. Total production interval from 12,641' to 22,334'. End Frac on 9/11/2021.
9/13/2021 - Well Ready to Produce.
9/20/2021 - Turn well to production, begin flowback.

Spud Date: 12/13/2019

Rig Release Date: 3/26/2020

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

SIGNATURE [Signature] TITLE Regulatory Professional DATE 9/23/2021

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 1. WELL API NO. 30-025-46484 2. Type of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN 3. State Oil & Gas Lease No.
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

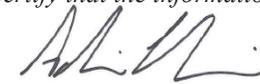
4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)	5. Lease Name or Unit Agreement Name Charlie Murphy 6 WA Federal Com 6. Well Number: 12H																																	
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER																																		
8. Name of Operator Marathon Oil Permian LLC	9. OGRID 372098																																	
10. Address of Operator 5555 San Felipe St., Houston, TX 77056	11. Pool name or Wildcat WC-025 G-09 S263504N; WOLFCAMP																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>12. Location</th> <th>Unit Ltr</th> <th>Section</th> <th>Township</th> <th>Range</th> <th>Lot</th> <th>Feet from the</th> <th>N/S Line</th> <th>Feet from the</th> <th>E/W Line</th> <th>County</th> </tr> <tr> <td>Surface:</td> <td>A</td> <td>6</td> <td>26S</td> <td>35E</td> <td></td> <td>271</td> <td>N</td> <td>1201</td> <td>E</td> <td>LEA</td> </tr> <tr> <td>BH:</td> <td>O</td> <td>7</td> <td>26S</td> <td>35E</td> <td></td> <td>416</td> <td>S</td> <td>1967</td> <td>E</td> <td>LEA</td> </tr> </table>	12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County	Surface:	A	6	26S	35E		271	N	1201	E	LEA	BH:	O	7	26S	35E		416	S	1967	E	LEA	
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County																								
Surface:	A	6	26S	35E		271	N	1201	E	LEA																								
BH:	O	7	26S	35E		416	S	1967	E	LEA																								
13. Date Spudded 12/13/2019	14. Date T.D. Reached 3/18/2020	15. Date Rig Released 3/26/2020	16. Date Completed (Ready to Produce) 9/13/2021	17. Elevations (DF and RKB, RT, GR, etc.) 3272' GR																														
18. Total Measured Depth of Well 22460'	19. Plug Back Measured Depth 22449'	20. Was Directional Survey Made? Yes	21. Type Electric and Other Logs Run GR																															
22. Producing Interval(s), of this completion - Top, Bottom, Name 12641' - 22334', 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	1150'	17 1/2"	1175	
7 5/8"	29.7#, P110, BTC	11865'	9 7/8"	1145	
5 1/2"	23#, P110, TWL	22449'	6 3/4"	970	

24. LINER RECORD				25. TUBING RECORD											
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET								
26. Perforation record (interval, size, and number) 12641' - 22334'; 0.36", 1002 shots				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>12641' - 22334'</td> <td>24397850 lbs propanit; 100 Mesh</td> </tr> <tr> <td>12641' - 22334'</td> <td>3780 gal - 15% HCl Acid</td> </tr> <tr> <td>12641' - 22334'</td> <td>450218 bbls - Brackish Water</td> </tr> </table>				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	12641' - 22334'	24397850 lbs propanit; 100 Mesh	12641' - 22334'	3780 gal - 15% HCl Acid	12641' - 22334'	450218 bbls - Brackish Water
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12641' - 22334'	450218 bbls - Brackish Water														

28. PRODUCTION							
Date First Production 9/21/2021		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing			Well Status (<i>Prod. or Shut-in</i>) Prod.		
Date of Test 9/21/2021	Hours Tested 24	Choke Size 18/64	Prod'n For Test Period	Oil - Bbl 429	Gas - MCF 395	Water - Bbl. 3800	Gas - Oil Ratio
Flow Tubing Press. 0	Casing Pressure 3349	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>)	
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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
	Adrian Covarrubias	Regulatory Professional
E-mail Address acovarrubias@marathonoil.com		Date 9/23/2021

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon 5426'	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5133'	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 9337'	T. Todilto	
T. Abo	T. Castile 3576'	T. Entrada	
T. Wolfcamp 12631'	T. Lamar 5398'	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

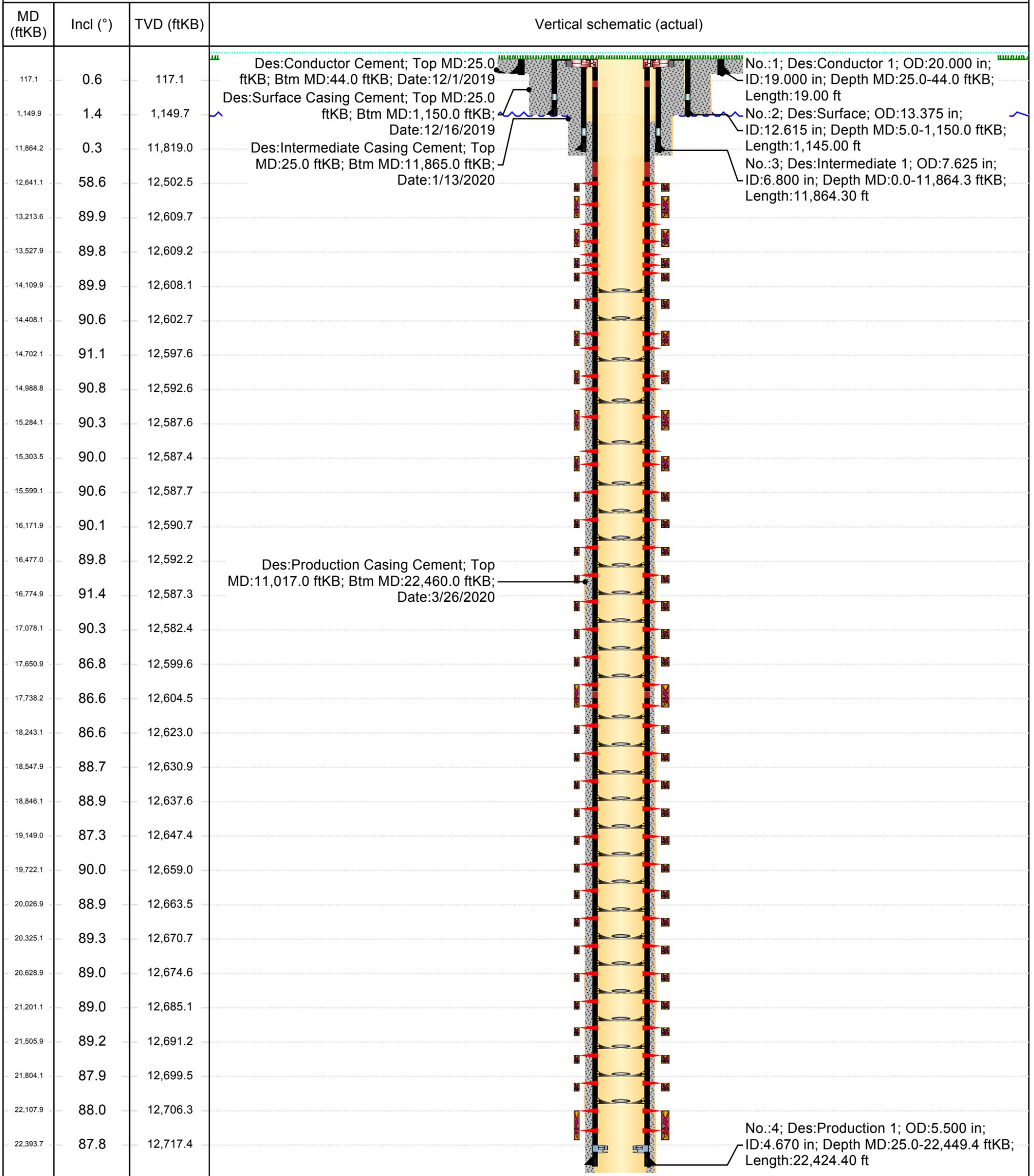


Wellbore Schematic

Well Name: CHARLIE MURPHY 6 WXY FEDERAL COM 012H

State/Province NEW MEXICO	Country UNITED STATES	Field Name DOGIE DRAW	Latitude (°) 32.07875170	Longitude (°) -103.40145450	North/South Distance (ft) 271.0	North/South Reference FNL
API/ IPO UWI 3002546486	KB-Ground Distance (ft) 25.00	KB-Mud Line Distance (ft)	Ground Elevation (ft) 3,272.00	Drilling Rig Spud Date 1/2/2020	Well Original Completion Date	Well First Production Date

HORIZONTAL, CHARLIE MURPHY 6 WXY FEDERAL COM 012H, 9/16/2021 2:21:20 PM



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION TO CONSIDER:

CASE NO. 16424
ORDER NO. R-20306

APPLICATION OF MARATHON OIL PERMIAN LLC FOR APPROVAL OF A
NON-STANDARD SPACING AND PRORATION UNIT AND COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on September 20, 2018, at Santa Fe, New Mexico, before Examiner William V. Jones.

NOW, on this 31st day of December, 2018, the Division Director, having considered the testimony, the record and the recommendations of the Examiner,

FINDS THAT

(1) Due public notice has been given and the Division has jurisdiction of this case and the subject matter.

(2) Cases No. 16424 and 16425 were consolidated at the hearing for testimony; however, a separate order will be issued for each case.

(3) The Applicant, Marathon Oil Permian LLC, seeks to compulsory pool all uncommitted oil and gas interests within a spacing unit ("the Unit") described as follows:

A Horizontal Spacing Unit comprising 640 acres (more or less) within the Wildcat Wolfcamp Oil Pool (Pool code 98117) and all other pools hereafter defined within the Wolfcamp formation in the E/2 of Section 6 and E/2 of Section 7, Township 26 South, Range 35 East, NMPM, Lea County, New Mexico.

(4) Applicant also seeks approval of the above described lands as a non-standard Horizontal Spacing Unit.

(5) The Unit will be dedicated to the following well(s):

Charlie Murphy 6 WXY FC Well No. 12H, API No. 30-025-Pending

SHL: 271 feet from the North line and 1201 feet from the East line,
(Unit A) of Section 6, Township 26 South, Range 35 East, NMPM.
BHL: 100 feet from the South line and 1979 feet from the East line,
(Unit O) of Section 7, Township 26 South, Range 35 East, NMPM.

Charlie Murphy 6 WA FC Well No. 15H, API No. 30-025-Pending

SHL: 272 feet from the North line and 1141 feet from the East line,
(Unit A) of Section 6, Township 26 South, Range 35 East, NMPM.
BHL: 100 feet from the South line and 989 feet from the East line,
(Unit P) of Section 7, Township 26 South, Range 35 East, NMPM.

Charlie Murphy 6 WXY FC Well No. 18H, API No. 30-025-Pending

SHL: 272 feet from the North line and 1111 feet from the East line,
(Unit A) of Section 6, Township 26 South, Range 35 East, NMPM.
BHL: 100 feet from the South line and 330 feet from the East line,
(Unit P) of Section 7, Township 26 South, Range 35 East, NMPM.

(6) The Wildcat Wolfcamp Oil Pool is governed by Division Rule 19.15.15.9(A) NMAC, which specifies 40-acre spacing and proration units [vertical wells], each comprising a governmental quarter-quarter section.

(7) The allowed setback footage distance for the proposed horizontal Oil well(s) is specified in Paragraph (1) of Subsection C of 19.15.16.15 NMAC effective June 26, 2018. Said rules allow the first or last take points to be no closer than 100 feet to the nearest unit boundary, and the setbacks measured perpendicular to the well path to be a minimum of 330 feet from the outer boundary of the horizontal spacing unit

(8) Devon Energy Production Company, L.P. appeared at the hearing. No other party entered an appearance in this case or otherwise opposed this application.

(9) Applicant appeared at the hearing through counsel and presented evidence to the effect that:

- (a) The Wolfcamp formation in this area is suitable for development by horizontal drilling.
- (b) The orientation of the horizontal well(s) is appropriate for the Unit.
- (c) The target drilling depth will be within the Wolfcamp Y and A members of the Wolfcamp formation.
- (d) The Well No. 15H is located within the E/2 E/2 of both Sections but is closer than 330 feet to the W/2 E/2 of each Section, therefore this is the well which defines the E/2 spacing unit.

- (e) Notice by certified mail was provided to all uncommitted interest owners in the proposed Unit whose interests were evidenced by a conveyance instrument, either of record or known to Applicant when the Application was filed, and to heirs known to Applicant of deceased persons who appear as owners in such instruments.
- (f) All affected parties were successfully contacted and provided with notice.
- (g) Notice to affected parties was posted in a newspaper of general circulation in the county as provided in Rule 19.15.4.12.B NMAC.

The Division finds and concludes that

(10) The application in this case was filed, and the Well(s) were permitted, on or after the June 26, 2018 date on which amendments to 19.15.16.7 and 19.15.16.15 NMAC (prescribing new spacing rules for horizontal wells) became effective (see Order No. R-14689). Hence the Well(s) must be spaced, permitted and drilled pursuant 19.15.16.15 NMAC, as amended effective June 26, 2018.

(11) Provided that the Unit constitutes a standard horizontal spacing unit for each of the Well(s) under now effective rules, no non-standard spacing unit approval is needed. If, however, the Unit is not a standard horizontal spacing unit for any of the Well(s), the operator must obtain approval of a non-standard horizontal spacing unit pursuant to 19.15.16.15.B(5) prior to producing such well.

(12) The portion of the case asking for a non-standard spacing and proration unit is no longer needed and should be dismissed.

(13) If the location of any of the Well(s) is unorthodox when the well is completed under the spacing rules then in effect and applicable to the well, the operator must obtain a non-standard location approval prior to producing the well.

(14) Marathon Oil Permian LLC (OGRID 372098) should be designated the operator of the Well(s) and of the Unit.

(15) Two or more separately owned tracts are embraced within the Unit, and/or there are royalty interests and/or undivided interests in oil and gas minerals in one or more tracts included in the Unit that are separately owned.

(16) Applicant is owner of an oil and gas working interest within the Unit. Applicant has the right to drill and proposes to drill the Well(s) to a common source of supply within the Unit at the described depths and location(s). Applicant should be allowed a one year period to complete at least one of the Well(s) after commencing drilling of the Well(s).

(17) There are interest owners in the Unit that have not agreed to pool their interests.

(18) To avoid the drilling of unnecessary wells, protect correlative rights, prevent waste and afford to the owner of each interest in the Unit the opportunity to recover or receive without unnecessary expense a just and fair share of hydrocarbons, this application should be approved by pooling all uncommitted interests, whatever they may be, in the oil and gas in the Wolfcamp formation within the Unit.

(19) To ensure protection of correlative rights, any pooled working interest owner whose address is known, and who has elected to participate under the terms of this order should be notified before the Division grants any extension of the time provided herein for commencing drilling. Any such owner may file an application, with notice to the operator, requesting that the extension be denied.

(20) Infill wells within the Unit should be subject to Division Rules 19.15.13.9 NMAC through 19.15.13.10 NMAC, and to the terms and conditions of this order.

(21) Any pooled working interest owner who does not pay its share of estimated well costs of any well should have withheld from production from such well its share of reasonable well costs plus an additional 200% thereof as a reasonable charge for the risk involved in drilling the Well(s).

(22) Reasonable charges for supervision (combined fixed rates) should be fixed at \$7000 per month, per well, while drilling and \$700 per month, per well, while producing, provided that these rates should be adjusted annually pursuant to the COPAS form titled "Accounting Procedure-Joint Operations."

IT IS THEREFORE ORDERED THAT

(1) All uncommitted interests, whatever they may be, in the oil and gas within the following described spacing unit ("the Unit") are hereby pooled:

A Horizontal Spacing Unit comprising 640 acres (more or less) within the Wildcat Wolfcamp Oil Pool (Pool code 98117) and all other pools hereafter defined within the Wolfcamp formation in the E/2 of Section 6 and E/2 of Section 7, Township 26 South, Range 35 East, NMPM, Lea County, New Mexico.

(2) The portion of the application in this case asking for approval of a non-standard spacing and proration unit is dismissed.

(3) The Unit shall be dedicated to the following "Well(s)":

Charlie Murphy 6 WXY FC Well No. 12H, API No. 30-025-Pending

SHL: 271 feet from the North line and 1201 feet from the East line,
(Unit A) of Section 6, Township 26 South, Range 35 East, NMPM.

BHL: 100 feet from the South line and 1979 feet from the East line,
(Unit O) of Section 7, Township 26 South, Range 35 East, NMPM.

Charlie Murphy 6 WA FC Well No. 15H, API No. 30-025-Pending

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SHL: 272 feet from the North line and 1141 feet from the East line,
(Unit A) of Section 6, Township 26 South, Range 35 East, NMPM.
BHL: 100 feet from the South line and 989 feet from the East line,
(Unit P) of Section 7, Township 26 South, Range 35 East, NMPM.

Charlie Murphy 6 WXY FC Well No. 18H, API No. 30-025-Pending

SHL: 272 feet from the North line and 1111 feet from the East line,
(Unit A) of Section 6, Township 26 South, Range 35 East, NMPM.
BHL: 100 feet from the South line and 330 feet from the East line,
(Unit P) of Section 7, Township 26 South, Range 35 East, NMPM.

(4) The Well(s) will be drilled horizontally and will target the Wolfcamp Y and A members of the Wolfcamp formation.

(5) Marathon Oil Permian LLC (OGRID 372098) is hereby designated the operator of the Well(s) and of the Unit.

(6) If any of the Well(s) is completed at an unorthodox location under applicable rules in effect at the time such well is completed, the operator shall provide notice and apply administratively for a location exception prior to producing the well.

(7) The operator of the Unit shall commence drilling the Well(s) on or before December 31, 2019 and shall thereafter continue drilling the Well(s) with due diligence to test the Wolfcamp formation at or about the proposed true vertical and measured depths.

(8) In the event the operator does not commence drilling the Well(s) on or before the date provided in the foregoing paragraph, the compulsory pooling provision of this order shall be of no effect, unless the operator obtains a written time extension from the Division Director pursuant to a written request stating its reasons for such extension and attaching satisfactory evidence.

(9) In the event the operator does not commence completion operations within one year after commencement of drilling operations pursuant to this order, then the compulsory pooling provisions of this order shall be of no effect unless operator obtains a written time extension from the Division Director pursuant to a written request stating its reasons for such extension and attaching satisfactory evidence.

(10) The operator shall provide a copy of any request for extension of time to drill or complete any well filed with the Director pursuant to this order to each pooled working interest owner who has elected to participate in the drilling of any well that is the subject of the request. Such copy shall be sent at the same time the request is sent to the Director.

(11) Upon final plugging and abandonment of the Well(s) and any other well drilled on the Unit pursuant to Division Rule 19.15.13.9 NMAC, the pooled unit created

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by this order shall terminate unless this order has been amended to authorize further operations.

(12) Infill wells within the Unit shall be subject to Division Rule 19.15.13.9 NMAC and to the terms and conditions of this order.

(13) After pooling, uncommitted working interest owners are referred to as pooled working interest owners. ("Pooled working interest owners" are owners of working interests in the Unit, including unleased mineral interests, who are not parties to an operating agreement governing the Unit.) After the effective date of this order, the operator shall furnish the Division and each known pooled working interest owner in the Unit separate itemized schedules of estimated costs of drilling, completing and equipping each of the Well(s) ("well costs").

(14) Within 30 days from the date the schedule of estimated well costs for any well is furnished, any pooled working interest owner shall have the right to elect to pay its share of estimated well costs to the operator in lieu of paying its share of reasonable well costs out of production as hereinafter provided. Payment shall be rendered within 90 days after expiration of the 30-day election period and any such owner who pays its share of estimated well costs as provided above for any well shall remain liable for operating costs but shall not be liable for risk charges to the extent computed based on costs of such well. Pooled working interest owners who do not elect to pay their share of estimated well costs, or who do not render timely payment to the operator, as provided in this paragraph shall thereafter be referred to as "non-consenting working interest owners."

(15) The operator shall furnish the Division and each known pooled working interest owner (including non-consenting working interest owners) an itemized schedule of actual well costs of each well within 180 days following completion of the proposed well. If no objection to the actual well costs for any well is received by the Division, and the Division has not objected, within 45 days following receipt of the schedule for such well, the actual well costs shall be deemed to be the reasonable well costs. If there is an objection to actual well costs within the 45-day period, the Division will determine reasonable well costs for such well after public notice and hearing.

(16) Within 60 days following determination of reasonable well costs for any well, any pooled working interest owner who has paid its share of estimated costs of such well in advance as provided above shall pay to the operator its share of the amount that reasonable well costs exceed estimated well costs and shall receive from the operator the amount, if any, that the estimated well costs it has paid for such well exceed its share of reasonable well costs.

(17) The operator is hereby authorized to withhold the following costs and charges from each non-consenting working interest owner's share of production from each well:

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(a) the proportionate share of reasonable well costs attributable to the non-consenting working interest owner; and

(b) as a charge for the risk involved in drilling the well, 200% of the above costs.

(18) During the cost recovery period, the operator shall furnish to the Division and to each known non-consenting pooled working interest owner, annually, and within 90 days after payout occurs, a schedule of all revenues attributable to each proposed well, and all charges for supervision and operating costs charged against such revenues. Operating costs shall include all reasonable costs actually incurred for the maintenance and operation of the well, except for "well costs" reported pursuant to prior ordering paragraphs, that are properly chargeable to the joint account pursuant to COPAS procedures. If no objection to the operating costs is received by the Division, and the Division has not objected, within 45 days following receipt of any schedule, the costs shall be deemed to be the reasonable operating costs. If there is an objection to the accuracy or reasonableness of operating costs reported within the 45-day period, the Division will determine reasonable operating costs after public notice and hearing.

(19) The operator shall distribute the costs and charges withheld from production, proportionately, to the parties who advanced the well costs for such well.

(20) Reasonable charges for supervision (combined fixed rates) are hereby fixed at \$7000 per month, per well, while drilling and \$700 per month, per well, while producing, provided that these rates shall be adjusted annually pursuant to the COPAS form titled "Accounting Procedure-Joint Operations." The operator is authorized to withhold from production from each well the proportionate share of both the supervision charges and the actual expenditures required for operating of such well, not more than what are reasonable, attributable to pooled working interest owners.

(21) Except as provided in the foregoing paragraphs, all proceeds from production from the Well(s) that are not disbursed for any reason shall be held for the account of the person or persons entitled thereto pursuant to the Oil and Gas Proceeds Payment Act (NMSA 1978 Sections 70-10-1 through 70-10-6, as amended). If not sooner disbursed, such proceeds shall be turned over to the appropriate authority as and when required by the Uniform Unclaimed Property Act (NMSA 1978 Sections 7-8A-1 through 70-8A-31, as amended).

(22) Any unleased mineral interest shall be considered a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest for allocating costs and charges under this order. Any costs that are to be paid out of production shall be withheld only from the working interests' share of production, and no costs or charges shall be withheld from production attributable to royalty interests.

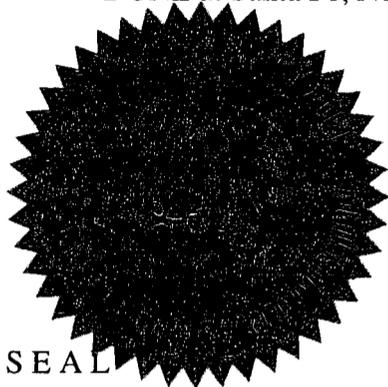
(23) Should all the parties to this compulsory pooling order reach voluntary agreement after entry of this order, this order shall thereafter be of no further effect.

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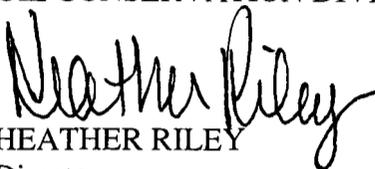
(24) The operator of the wells and Unit shall notify the Division in writing of the subsequent voluntary agreement of any party subject to the compulsory pooling provisions of this order.

(25) Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


HEATHER RILEY
Director

District I
 1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 51449

ACKNOWLEDGMENTS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 51449
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

CONDITIONS
 Action 51449

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 51449
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/31/2022