

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 NW
⁴ API Number 30 - 025-45422	⁵ Pool Name WC-025 G-08 S253534O; Bone Spring	⁶ Pool Code 97088
⁷ Property Code 319699	⁸ Property Name Cave Lion 5 TB Federal	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
P	5	26S	35E		450	SOUTH	1238	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
A	5	26S	35E		102	NORTH	354	EAST	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				

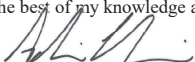
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
370019	ORYX Gathering Services, LLC 4000 N Big Spring St, Suite 300, Midland, TX 79705	O
371960	Lucid Energy Delaware, LLC 201 S Fourth Street, PO Box 158, Artesia, NM 88210	G
371643	Solaris Water Midstream, LLC 907 Tradewinds Blvd, Suite B, Midland, TX 79706	W

IV. Well Completion Data

²¹ Spud Date 1/25/2022	²² Ready Date 7/1/2022	²³ TD 17374'	²⁴ PBTB 1731'	²⁵ Perforations 12122' - 17317'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8", 54.5#, J-55, BTC	1166'	1045		
12-1/4"	9-5/8", 40#, P-110HC, BTC	11775'	2255		
8-3/4"	5-1/2", 23#, P110CY, TLW	17356'	3520		

V. Well Test Data

³¹ Date New Oil 7/6/2022	³² Gas Delivery Date 7/6/2022	³³ Test Date 7/18/2022	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 910
³⁷ Choke Size 46	³⁸ Oil 1007	³⁹ Water 4401	⁴⁰ Gas 1346		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: 8/8/2022		
Date: 7/19/2022	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: (505) 748-1283 Fax: (505) 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
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-45422	² Pool Code 97088	³ Pool Name WC-025 G-08 S2535340; BONE SPRING
⁴ Property Code 319699	Property Name CAVE LION 5 TB FEDERAL	⁶ Well Number 12H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3228'

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
P	5	26S	35E		450	SOUTH	1238	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
A	5	26S	35E		102	NORTH	354	EAST	LEA
¹² Dedicated Acres 320.0	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: 833719.73' / Y: 388693.48' B - X: 833691.73' / Y: 391333.75' C - X: 833663.69' / Y: 393977.99' D - X: 836304.47' / Y: 393995.08' E - X: 836332.35' / Y: 391350.69' F - X: 836356.33' / Y: 388711.16' CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 792532.07' / Y: 388635.88' B - X: 792504.19' / Y: 391276.08' C - X: 792476.27' / Y: 393920.25' D - X: 795117.01' / Y: 393937.31' E - X: 795144.78' / Y: 391292.99' F - X: 795168.64' / Y: 388653.54' LAST TAKE POINT/BOTTOM HOLE LOCATION 102' FNL 354' FEL, SECTION 5 17374' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 835951.95' / Y: 393890.39' LAT: 32.07831371N / LON: 103.38212701W NAD 27, SPCS NM EAST X: 794764.49' / Y: 393832.63' LAT: 32.07918738N / LON: 103.38166425W FIRST TAKE POINT 100' FSL 367' FEL, SECTION 5 12112' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 835988.25' / Y: 388808.69' LAT: 32.06534531N / LON: 103.38215433W NAD 27, SPCS NM EAST X: 794800.57' / Y: 388751.07' LAT: 32.06551891N / LON: 103.38169244W KICK OFF POINT 13' FSL 363' FEL, SECTION 5 11146' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 835992.96' / Y: 388722.13' LAT: 32.06510727N / LON: 103.38214171W NAD 27, SPCS NM EAST X: 794805.27' / Y: 388664.51' LAT: 32.06498087N / LON: 103.38167974W SURFACE HOLE LOCATION 450' FSL 1238' FEL, SECTION 5 NAD 83, SPCS NM EAST X: 835114.32' / Y: 389152.64' LAT: 32.06631183N / LON: 103.38496555W NAD 27, SPCS NM EAST X: 793926.66' / Y: 389095.02' LAT: 32.06618546N / LON: 103.38450341W NEAREST TO THE SECTION LINE MD=14,683' DEPTH IN FEET 322' FURTHEST FROM THE SECTION LINE MD=12,857' DEPTH IN FEET 418' SHL 1238' FTP 367' KOP 363' LAST TAKE/ BHL SHEET 1 OF 1 JOB No. R3757 REV 1 JCS 4/11/2022	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. <i>[Signature]</i> 7/19/2022 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. APRIL 13, 2022 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor DAVID W. MYERS 11403 Certificate Number
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Distances/areas relative to NAD 83 Combined Scale Factor: 0.99985515965 Convergence Angle: 00°30'12.46804"



Marathon Oil Permian LLC

Lea County, NM (NAD27 NME)

Cave Lion 5 TB Federal

Cave Lion 5 TB Federal 12H

OH / 69072

Design: Surveys (Cactus 169)

Standard Survey Report

09 March, 2022





Phoenix Survey Report



Company:	Marathon Oil Permian LLC	Local Co-ordinate Reference:	Well Cave Lion 5 TB Federal 12H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3251.60usft (Cactus 169)
Site:	Cave Lion 5 TB Federal	MD Reference:	RKB @ 3251.60usft (Cactus 169)
Well:	Cave Lion 5 TB Federal 12H	North Reference:	Grid
Wellbore:	OH / 69072	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Cactus 169)	Database:	USA Compass

Project	Lea County, NM (NAD27 NME)		
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	Cave Lion 5 TB Federal		
Site Position:		Northing:	389,095.02 usft
From:	Map	Easting:	793,926.66 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 58.267656 N
		Longitude:	103° 23' 4.212276 W
		Grid Convergence:	0.504 °

Well	Cave Lion 5 TB Federal 12H		
Well Position	+N/-S	0.00 usft	Northing: 389,095.02 usft
	+E/-W	0.00 usft	Easting: 793,926.66 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 3' 58.267656 N
		Longitude:	103° 23' 4.212276 W
		Ground Level:	3,228.00 usft

Wellbore	OH / 69072		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	2/28/2022	6.282
			Dip Angle (°)
			59.627
			Field Strength (nT)
			47,408.38789086

Design	Surveys (Cactus 169)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			359.44

Survey Program	Date	3/9/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	17,374.00	Phoenix MWD Surveys (OH / 69072)	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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138.00	0.50	208.30	138.00	-0.53	-0.29	-0.53	0.36	0.36	0.00
First Phoenix MWD Survey									
226.00	0.32	213.90	226.00	-1.07	-0.60	-1.07	0.21	-0.20	6.36
317.00	0.06	298.10	317.00	-1.26	-0.79	-1.25	0.35	-0.29	92.53
404.00	0.39	268.34	403.99	-1.25	-1.12	-1.24	0.39	0.38	-34.21
499.00	0.14	232.77	498.99	-1.33	-1.54	-1.31	0.30	-0.26	-37.44
589.00	0.55	289.73	588.99	-1.25	-2.03	-1.23	0.54	0.46	63.29
680.00	0.92	304.06	679.98	-0.69	-3.05	-0.66	0.45	0.41	15.75
771.00	1.06	291.67	770.97	0.03	-4.44	0.07	0.28	0.15	-13.62
861.00	0.90	283.86	860.96	0.51	-5.90	0.56	0.23	-0.18	-8.68



Phoenix Survey Report



Company:	Marathon Oil Permian LLC	Local Co-ordinate Reference:	Well Cave Lion 5 TB Federal 12H
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Site:	Cave Lion 5 TB Federal	MD Reference:	RKB @ 3251.60usft (Cactus 169)
Well:	Cave Lion 5 TB Federal 12H	North Reference:	Grid
Wellbore:	OH / 69072	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Cactus 169)	Database:	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
951.00	0.89	279.66	950.95	0.79	-7.27	0.86	0.07	-0.01	-4.67
1,040.00	1.07	282.03	1,039.93	1.08	-8.77	1.17	0.21	0.20	2.66
1,095.00	0.74	299.61	1,094.93	1.36	-9.58	1.46	0.78	-0.60	31.96
1,220.00	0.84	298.79	1,219.92	2.20	-11.08	2.31	0.08	0.08	-0.66
1,314.00	1.35	103.36	1,313.91	2.28	-10.61	2.38	2.31	0.54	175.07
1,409.00	3.02	99.53	1,408.84	1.61	-7.05	1.68	1.76	1.76	-4.03
1,503.00	4.42	103.82	1,502.64	0.33	-1.09	0.34	1.52	1.49	4.56
1,598.00	5.63	109.82	1,597.27	-2.12	6.85	-2.19	1.39	1.27	6.32
1,692.00	5.86	109.35	1,690.80	-5.28	15.71	-5.43	0.25	0.24	-0.50
1,787.00	7.13	109.30	1,785.19	-8.83	25.85	-9.08	1.34	1.34	-0.05
1,881.00	7.74	110.67	1,878.39	-12.99	37.28	-13.36	0.68	0.65	1.46
1,976.00	8.87	115.43	1,972.40	-18.40	49.88	-18.88	1.39	1.19	5.01
2,070.00	9.46	113.95	2,065.20	-24.65	63.49	-25.27	0.68	0.63	-1.57
2,165.00	11.02	113.64	2,158.68	-31.46	78.94	-32.23	1.64	1.64	-0.33
2,260.00	11.64	113.23	2,251.83	-38.88	96.06	-39.81	0.66	0.65	-0.43
2,354.00	12.15	114.20	2,343.81	-46.67	113.80	-47.78	0.58	0.54	1.03
2,449.00	11.38	116.75	2,436.82	-54.99	131.29	-56.27	0.98	-0.81	2.68
2,544.00	11.06	118.31	2,530.00	-63.53	147.68	-64.97	0.46	-0.34	1.64
2,638.00	10.40	117.50	2,622.36	-71.72	163.15	-73.31	0.72	-0.70	-0.86
2,733.00	11.12	118.23	2,715.69	-80.02	178.82	-81.76	0.77	0.76	0.77
2,827.00	11.43	117.51	2,807.87	-88.61	195.07	-90.51	0.36	0.33	-0.77
2,922.00	10.69	113.53	2,901.11	-96.47	211.50	-98.53	1.12	-0.78	-4.19
3,016.00	10.52	110.82	2,993.50	-103.00	227.51	-105.22	0.56	-0.18	-2.88
3,110.00	10.01	108.77	3,086.00	-108.68	243.27	-111.05	0.67	-0.54	-2.18
3,205.00	10.71	108.33	3,179.45	-114.11	259.46	-116.64	0.74	0.74	-0.46
3,299.00	10.81	107.82	3,271.80	-119.56	276.15	-122.25	0.15	0.11	-0.54
3,394.00	10.80	109.59	3,365.11	-125.27	293.01	-128.13	0.35	-0.01	1.86
3,489.00	11.08	109.88	3,458.38	-131.36	309.98	-134.38	0.30	0.29	0.31
3,583.00	10.59	110.92	3,550.71	-137.51	326.55	-140.70	0.56	-0.52	1.11
3,678.00	10.27	112.55	3,644.14	-143.88	342.52	-147.22	0.46	-0.34	1.72
3,772.00	9.06	114.89	3,736.80	-150.21	356.98	-153.69	1.35	-1.29	2.49
3,867.00	9.27	113.84	3,830.59	-156.45	370.76	-160.06	0.28	0.22	-1.11
3,962.00	9.30	113.58	3,924.35	-162.61	384.79	-166.36	0.05	0.03	-0.27
4,056.00	9.81	113.47	4,017.04	-168.84	399.10	-172.73	0.54	0.54	-0.12
4,150.00	9.88	114.05	4,109.66	-175.31	413.81	-179.35	0.13	0.07	0.62
4,245.00	9.70	112.90	4,203.27	-181.75	428.63	-185.93	0.28	-0.19	-1.21
4,339.00	9.63	112.02	4,295.94	-187.78	443.21	-192.10	0.17	-0.07	-0.94
4,434.00	9.66	112.48	4,389.60	-193.81	457.94	-198.27	0.09	0.03	0.48
4,528.00	9.50	110.68	4,482.29	-199.56	472.49	-204.17	0.36	-0.17	-1.91
4,623.00	10.89	108.74	4,575.78	-205.21	488.32	-209.98	1.51	1.46	-2.04
4,717.00	11.67	110.77	4,667.97	-211.44	505.62	-216.37	0.93	0.83	2.16
4,812.00	11.21	108.93	4,761.08	-217.84	523.34	-222.94	0.62	-0.48	-1.94
4,906.00	11.72	109.79	4,853.21	-224.04	540.96	-229.31	0.57	0.54	0.91



Phoenix Survey Report



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Design:	Surveys (Cactus 169)	Database:	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,001.00	12.44	109.33	4,946.10	-230.69	559.70	-236.15	0.76	0.76	-0.48
5,095.00	12.91	110.50	5,037.81	-237.72	579.09	-243.37	0.57	0.50	1.24
5,190.00	11.76	117.63	5,130.62	-245.93	597.61	-251.76	2.01	-1.21	7.51
5,285.00	11.64	117.73	5,223.65	-254.88	614.67	-260.87	0.13	-0.13	0.11
5,379.00	10.99	115.09	5,315.82	-263.09	631.17	-269.24	0.88	-0.69	-2.81
5,474.00	10.65	114.95	5,409.13	-270.63	647.33	-276.94	0.36	-0.36	-0.15
5,568.00	11.53	113.30	5,501.38	-278.01	663.84	-284.49	1.00	0.94	-1.76
5,662.00	12.34	112.66	5,593.34	-285.60	681.74	-292.25	0.87	0.86	-0.68
5,757.00	12.44	112.39	5,686.13	-293.40	700.56	-300.24	0.12	0.11	-0.28
5,851.00	12.29	112.26	5,777.95	-301.05	719.18	-308.07	0.16	-0.16	-0.14
5,945.00	11.77	114.00	5,869.88	-308.74	737.20	-315.93	0.67	-0.55	1.85
6,040.00	10.55	114.10	5,963.09	-316.23	753.99	-323.59	1.28	-1.28	0.11
6,134.00	10.91	113.76	6,055.44	-323.33	769.99	-330.84	0.39	0.38	-0.36
6,229.00	10.29	114.89	6,148.82	-330.52	785.92	-338.19	0.69	-0.65	1.19
6,323.00	8.96	114.07	6,241.50	-337.04	800.22	-344.85	1.42	-1.41	-0.87
6,418.00	8.50	115.00	6,335.40	-343.03	813.33	-350.96	0.51	-0.48	0.98
6,513.00	8.09	115.27	6,429.40	-348.85	825.74	-356.90	0.43	-0.43	0.28
6,607.00	8.38	113.74	6,522.43	-354.43	837.99	-362.60	0.39	0.31	-1.63
6,702.00	8.64	112.98	6,616.39	-360.00	850.90	-368.30	0.30	0.27	-0.80
6,796.00	8.89	112.87	6,709.29	-365.58	864.09	-374.01	0.27	0.27	-0.12
6,891.00	8.34	114.17	6,803.22	-371.26	877.14	-379.81	0.61	-0.58	1.37
6,986.00	7.59	116.78	6,897.30	-376.90	889.03	-385.57	0.88	-0.79	2.75
7,080.00	6.27	119.25	6,990.61	-382.21	899.05	-390.98	1.44	-1.40	2.63
7,175.00	4.75	116.55	7,085.17	-386.50	907.09	-395.35	1.62	-1.60	-2.84
7,270.00	3.29	116.42	7,179.93	-389.47	913.05	-398.38	1.54	-1.54	-0.14
7,364.00	1.95	116.49	7,273.83	-391.39	916.90	-400.33	1.43	-1.43	0.07
7,459.00	1.85	116.16	7,368.78	-392.78	919.72	-401.75	0.11	-0.11	-0.35
7,553.00	1.20	144.49	7,462.75	-394.25	921.66	-403.24	1.04	-0.69	30.14
7,648.00	1.23	147.65	7,557.73	-395.93	922.78	-404.93	0.08	0.03	3.33
7,743.00	1.25	156.24	7,652.70	-397.74	923.74	-406.74	0.20	0.02	9.04
7,837.00	0.56	196.85	7,746.69	-399.11	924.02	-408.13	0.96	-0.73	43.20
7,932.00	0.65	193.37	7,841.69	-400.08	923.77	-409.09	0.10	0.09	-3.66
8,027.00	0.62	200.20	7,936.68	-401.09	923.46	-410.10	0.09	-0.03	7.19
8,121.00	0.63	204.36	8,030.68	-402.04	923.07	-411.04	0.05	0.01	4.43
8,215.00	0.51	222.84	8,124.67	-402.81	922.58	-411.81	0.23	-0.13	19.66
8,309.00	0.58	269.79	8,218.67	-403.12	921.82	-412.11	0.47	0.07	49.95
8,404.00	0.52	258.57	8,313.66	-403.21	920.91	-412.19	0.13	-0.06	-11.81
8,499.00	0.63	266.93	8,408.66	-403.32	919.97	-412.30	0.15	0.12	8.80
8,593.00	0.58	259.46	8,502.65	-403.44	918.99	-412.40	0.10	-0.05	-7.95
8,688.00	0.49	255.15	8,597.65	-403.63	918.12	-412.58	0.10	-0.09	-4.54
8,782.00	0.40	238.18	8,691.65	-403.91	917.45	-412.85	0.17	-0.10	-18.05
8,877.00	0.42	243.72	8,786.64	-404.24	916.86	-413.18	0.05	0.02	5.83
8,972.00	0.43	230.40	8,881.64	-404.62	916.27	-413.55	0.10	0.01	-14.02



Phoenix Survey Report



Company:	Marathon Oil Permian LLC	Local Co-ordinate Reference:	Well Cave Lion 5 TB Federal 12H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3251.60usft (Cactus 169)
Site:	Cave Lion 5 TB Federal	MD Reference:	RKB @ 3251.60usft (Cactus 169)
Well:	Cave Lion 5 TB Federal 12H	North Reference:	Grid
Wellbore:	OH / 69072	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Cactus 169)	Database:	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,066.00	0.50	220.49	8,975.64	-405.15	915.73	-414.08	0.11	0.07	-10.54
9,161.00	0.45	221.73	9,070.64	-405.75	915.22	-414.67	0.05	-0.05	1.31
9,255.00	0.49	230.10	9,164.63	-406.28	914.66	-415.20	0.08	0.04	8.90
9,350.00	0.49	234.06	9,259.63	-406.78	914.02	-415.69	0.04	0.00	4.17
9,445.00	0.52	245.78	9,354.62	-407.19	913.30	-416.10	0.11	0.03	12.34
9,539.00	0.54	253.82	9,448.62	-407.49	912.49	-416.39	0.08	0.02	8.55
9,634.00	0.66	244.09	9,543.62	-407.86	911.56	-416.75	0.17	0.13	-10.24
9,728.00	0.69	240.75	9,637.61	-408.37	910.58	-417.25	0.05	0.03	-3.55
9,823.00	0.59	235.03	9,732.60	-408.93	909.68	-417.80	0.12	-0.11	-6.02
9,917.00	0.74	237.25	9,826.60	-409.54	908.78	-418.40	0.16	0.16	2.36
10,012.00	0.77	237.29	9,921.59	-410.21	907.72	-419.06	0.03	0.03	0.04
10,106.00	0.79	226.52	10,015.58	-411.00	906.72	-419.84	0.16	0.02	-11.46
10,201.00	1.09	226.89	10,110.57	-412.07	905.59	-420.90	0.32	0.32	0.39
10,296.00	1.50	217.36	10,205.54	-413.67	904.17	-422.49	0.49	0.43	-10.03
10,390.00	1.95	216.35	10,299.50	-415.94	902.48	-424.74	0.48	0.48	-1.07
10,485.00	2.73	230.95	10,394.42	-418.67	899.76	-427.44	1.03	0.82	15.37
10,579.00	2.78	244.08	10,488.31	-421.07	895.97	-429.81	0.67	0.05	13.97
10,674.00	2.38	238.59	10,583.22	-423.11	892.22	-431.81	0.49	-0.42	-5.78
10,768.00	2.16	245.37	10,677.14	-424.86	888.94	-433.53	0.37	-0.23	7.21
10,863.00	2.13	245.11	10,772.08	-426.35	885.71	-434.99	0.03	-0.03	-0.27
10,957.00	1.54	235.36	10,866.03	-427.81	883.09	-436.42	0.71	-0.63	-10.37
11,052.00	1.75	233.28	10,960.99	-429.40	880.88	-437.99	0.23	0.22	-2.19
11,146.00	1.36	256.68	11,054.95	-430.51	878.64	-439.08	0.78	-0.41	24.89
11,240.00	2.35	358.88	11,148.92	-428.84	877.52	-437.40	3.14	1.05	108.72
11,335.00	1.91	3.51	11,243.86	-425.32	877.58	-433.87	0.50	-0.46	4.87
11,430.00	1.78	3.14	11,338.81	-422.26	877.75	-430.82	0.14	-0.14	-0.39
11,524.00	2.09	3.82	11,432.75	-419.10	877.95	-427.66	0.33	0.33	0.72
11,618.00	3.45	10.24	11,526.64	-414.60	878.56	-423.17	1.48	1.45	6.83
11,703.00	3.81	7.79	11,611.47	-409.29	879.40	-417.86	0.46	0.42	-2.88
11,818.00	3.30	0.25	11,726.25	-402.19	879.93	-410.77	0.60	-0.44	-6.56
11,913.00	3.05	0.60	11,821.10	-396.93	879.97	-405.51	0.26	-0.26	0.37
12,007.00	14.39	352.46	11,913.87	-382.80	878.46	-391.37	12.11	12.06	-8.66
12,102.00	27.27	353.65	12,002.47	-349.33	874.49	-357.86	13.56	13.56	1.25
12,196.00	36.16	354.51	12,082.36	-300.22	869.44	-308.71	9.47	9.46	0.91
12,291.00	40.40	351.47	12,156.92	-241.85	862.19	-250.26	4.88	4.46	-3.20
12,385.00	47.08	354.65	12,224.80	-177.37	854.45	-185.72	7.48	7.11	3.38
12,480.00	50.97	354.20	12,287.09	-106.00	847.48	-114.28	4.11	4.09	-0.47
12,574.00	57.52	351.65	12,341.99	-30.36	838.02	-38.55	7.31	6.97	-2.71
12,668.00	62.27	353.07	12,389.13	50.21	827.24	42.13	5.22	5.05	1.51
12,763.00	71.00	356.49	12,426.77	136.97	819.40	128.95	9.76	9.19	3.60
12,857.00	79.60	1.36	12,450.62	227.76	817.77	219.76	10.43	9.15	5.18
12,952.00	89.21	2.98	12,459.87	322.13	821.36	314.08	10.26	10.12	1.71
12,983.00	92.23	3.91	12,459.48	353.06	823.22	345.00	10.19	9.74	3.00
13,078.00	91.76	2.76	12,456.17	447.84	828.74	439.72	1.31	-0.49	-1.21



Phoenix Survey Report



Company:	Marathon Oil Permian LLC	Local Co-ordinate Reference:	Well Cave Lion 5 TB Federal 12H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3251.60usft (Cactus 169)
Site:	Cave Lion 5 TB Federal	MD Reference:	RKB @ 3251.60usft (Cactus 169)
Well:	Cave Lion 5 TB Federal 12H	North Reference:	Grid
Wellbore:	OH / 69072	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Cactus 169)	Database:	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,172.00	91.38	2.31	12,453.60	541.72	832.90	533.55	0.63	-0.40	-0.48
13,266.00	90.98	2.77	12,451.66	635.60	837.06	627.39	0.65	-0.43	0.49
13,361.00	91.02	2.57	12,450.01	730.49	841.49	722.23	0.21	0.04	-0.21
13,455.00	91.64	3.98	12,447.82	824.30	846.86	815.99	1.64	0.66	1.50
13,550.00	92.26	5.44	12,444.59	918.93	854.65	910.53	1.67	0.65	1.54
13,644.00	91.49	4.46	12,441.51	1,012.52	862.76	1,004.04	1.33	-0.82	-1.04
13,739.00	91.56	3.63	12,438.99	1,107.25	869.46	1,098.70	0.88	0.07	-0.87
13,833.00	91.64	2.73	12,436.36	1,201.07	874.67	1,192.46	0.96	0.09	-0.96
13,927.00	88.85	2.50	12,435.96	1,294.96	878.96	1,286.31	2.98	-2.97	-0.24
14,022.00	87.96	2.43	12,438.60	1,389.84	883.04	1,381.14	0.94	-0.94	-0.07
14,116.00	87.39	2.56	12,442.42	1,483.67	887.13	1,474.93	0.62	-0.61	0.14
14,211.00	87.80	359.85	12,446.40	1,578.56	889.13	1,569.79	2.88	0.43	-2.85
14,305.00	87.64	1.89	12,450.14	1,672.47	890.55	1,663.68	2.18	-0.17	2.17
14,400.00	88.25	1.48	12,453.55	1,767.36	893.34	1,758.55	0.77	0.64	-0.43
14,494.00	90.73	1.69	12,454.39	1,861.32	895.94	1,852.47	2.65	2.64	0.22
14,589.00	90.84	0.80	12,453.09	1,956.28	898.01	1,947.41	0.94	0.12	-0.94
14,683.00	90.84	358.41	12,451.71	2,050.26	897.36	2,041.40	2.54	0.00	-2.54
14,778.00	94.53	358.60	12,447.26	2,145.11	894.88	2,136.26	3.89	3.88	0.20
14,873.00	95.11	358.79	12,439.28	2,239.75	892.73	2,230.92	0.64	0.61	0.20
14,967.00	95.08	358.68	12,430.93	2,333.36	890.66	2,324.54	0.12	-0.03	-0.12
15,061.00	94.93	358.79	12,422.73	2,426.97	888.59	2,418.17	0.20	-0.16	0.12
15,156.00	94.97	359.13	12,414.53	2,521.60	886.87	2,512.82	0.36	0.04	0.36
15,250.00	92.94	358.97	12,408.05	2,615.36	885.32	2,606.59	2.17	-2.16	-0.17
15,345.00	92.37	358.15	12,403.65	2,710.23	882.94	2,701.47	1.05	-0.60	-0.86
15,440.00	91.56	357.16	12,400.39	2,805.09	879.05	2,796.37	1.35	-0.85	-1.04
15,534.00	91.27	357.17	12,398.07	2,898.95	874.40	2,890.26	0.31	-0.31	0.01
15,628.00	90.86	357.34	12,396.32	2,992.82	869.90	2,984.18	0.47	-0.44	0.18
15,723.00	90.58	357.17	12,395.13	3,087.71	865.35	3,079.10	0.34	-0.29	-0.18
15,817.00	90.70	355.81	12,394.08	3,181.52	859.60	3,172.97	1.45	0.13	-1.45
15,912.00	91.10	357.29	12,392.58	3,276.34	853.88	3,267.83	1.61	0.42	1.56
16,006.00	91.29	357.20	12,390.62	3,370.21	849.36	3,361.75	0.22	0.20	-0.10
16,101.00	90.65	358.07	12,389.02	3,465.11	845.45	3,456.68	1.14	-0.67	0.92
16,195.00	90.56	358.15	12,388.02	3,559.06	842.35	3,550.65	0.13	-0.10	0.09
16,290.00	90.41	358.17	12,387.22	3,654.00	839.29	3,645.63	0.16	-0.16	0.02
16,384.00	89.82	358.78	12,387.03	3,747.97	836.79	3,739.61	0.90	-0.63	0.65
16,479.00	89.92	0.32	12,387.25	3,842.96	836.05	3,834.61	1.62	0.11	1.62
16,573.00	90.10	1.09	12,387.23	3,936.95	837.20	3,928.58	0.84	0.19	0.82
16,668.00	89.78	0.41	12,387.33	4,031.95	838.45	4,023.56	0.79	-0.34	-0.72
16,762.00	89.47	0.11	12,387.94	4,125.94	838.87	4,117.55	0.46	-0.33	-0.32
16,857.00	88.81	0.00	12,389.37	4,220.93	838.96	4,212.53	0.70	-0.69	-0.12
16,952.00	89.05	0.31	12,391.14	4,315.91	839.22	4,307.51	0.41	0.25	0.33
17,046.00	89.05	0.11	12,392.70	4,409.90	839.57	4,401.48	0.21	0.00	-0.21
17,140.00	87.74	359.78	12,395.34	4,503.86	839.48	4,495.44	1.44	-1.39	-0.35



Phoenix Survey Report



Company:	Marathon Oil Permian LLC	Local Co-ordinate Reference:	Well Cave Lion 5 TB Federal 12H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3251.60usft (Cactus 169)
Site:	Cave Lion 5 TB Federal	MD Reference:	RKB @ 3251.60usft (Cactus 169)
Well:	Cave Lion 5 TB Federal 12H	North Reference:	Grid
Wellbore:	OH / 69072	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Cactus 169)	Database:	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,235.00	87.73	359.41	12,399.09	4,598.78	838.81	4,590.37	0.39	-0.01	-0.39
17,318.00	89.38	359.56	12,401.18	4,681.75	838.06	4,673.34	2.00	1.99	0.18
Final Phoenix MWD Survey									
17,374.00	89.38	359.56	12,401.79	4,737.75	837.63	4,729.33	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
138.00	138.00	-0.53	-0.29	First Phoenix MWD Survey
17,318.00	12,401.18	4,681.75	838.06	Final Phoenix MWD Survey
17,374.00	12,401.79	4,737.75	837.63	Projection to TD

Intent ☐ As Drilled ☒

API # 30-025-45422		
Operator Name: Marathon Oil Permian LLC	Property Name: Cave Lion 5 TB Federal	Well Number 12H

Kick Off Point (KOP)

UL P	Section 5	Township 26S	Range 35E	Lot	Feet 13	From N/S S	Feet 363	From E/W E	County LEA
Latitude 32.06510727					Longitude -103.38214171				NAD 83

First Take Point (FTP)

UL P	Section 5	Township 26S	Range 35E	Lot	Feet 100	From N/S S	Feet 367	From E/W E	County LEA
Latitude 32.06534531					Longitude -103.38215433				NAD 83

Last Take Point (LTP)

UL A	Section 5	Township 26S	Range 35E	Lot	Feet 102	From N/S N	Feet 354	From E/W E	County LEA
Latitude 32.07931371					Longitude -103.38212701				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ NIs this well an infill well? ☐ Y

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-025-45424		
Operator Name: Marathon Oil Permian LLC	Property Name: Cave Lion 5 TB Federal	Well Number 15H

KZ 06/29/2018

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. 30-025-45422
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Cave Lion 5 TB Federal
8. Well Number 12H
9. OGRID Number 372098
10. Pool name or Wildcat WC-025 G-08 S2535340; Bone Spring
4. Well Location Unit Letter <u>P</u> : <u>450</u> feet from the <u>South</u> line and <u>1208</u> feet from the <u>East</u> line Section <u>5</u> Township <u>26S</u> Range <u>35E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3228'

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	
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 ☒
--	--

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.

6/13/2022 - Start frac prep operations.
 6/14/2022 - MIRU
 6/15/2022 - Pressure test production casing to 13340 psi for 30 min, held, good test.
 6/16/2022 - Start frac stages 1 - 24 with 2 shots per foot for a total of 576 shots, 0.41-in in size using 12,278717 lbs of 100 Mesh sand. Total interval from 12,122 to 17,317'.
 7/1/2022 - Complete completion operations. Well Ready to Produce.
 7/5/2022 - Commence flowback operations and turn well over to production.

Marathon will like to request a tubing exception for this well. This exception will not cause waste to be caused.

Spud Date:

1/25/2022

Rig Release Date:

3/10/2022

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

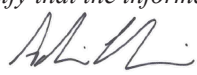
SIGNATURE Adrian Covarrubias TITLE Regulatory Compliance Representative DATE 7/19/2022

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 <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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. 30-025-45422										
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 Cave Lion 5 TB Federal										
								6. Well Number: 12H										
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 WC-025 G-08 S253534O; Bone Spring												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	P	5	26S	35E		450	SOUTH	1238	EAST	LEA								
BH:	A	5	26S	35E		102	NORTH	354	EAST	LEA								
13. Date Spudded 1/25/2022	14. Date T.D. Reached 3/8/2022		15. Date Rig Released 3/10/2022		16. Date Completed (Ready to Produce) 7/1/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3228'										
18. Total Measured Depth of Well 17374'			19. Plug Back Measured Depth 17351'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run GR										
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,122' - 17,317'; Bone Spring																		
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#, J-55, BTC		1166'		17-1/2"		1045 sks										
9-5/8"		40#, P-110HC, BTC		11775'		12-1/4"		2255 sks										
5-1/2"		23#, P110CY, TLW		17356'		8-3/4"		3520 sks										
24. LINER RECORD						25. TUBING RECORD												
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET											
26. Perforation record (interval, size, and number) 12122' - 17317', 0.41", 576 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>12122' - 17317'</td> <td>12,278,717 lbs; 100 Mesh Sand</td> </tr> <tr> <td>12122' - 17317'</td> <td>312,083 bbls - Brackish Water</td> </tr> <tr> <td></td> <td></td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	12122' - 17317'	12,278,717 lbs; 100 Mesh Sand	12122' - 17317'	312,083 bbls - Brackish Water		
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12122' - 17317'	312,083 bbls - Brackish Water																	
28. PRODUCTION																		
Date First Production 7/6/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod.												
Date of Test 7/18/2022	Hours Tested 24	Choke Size 46	Prod'n For Test Period	Oil - Bbl 1007	Gas - MCF 1346	Water - Bbl. 4401	Gas - Oil Ratio 1.34											
Flow Tubing Press.	Casing Pressure 910	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 Adrian Covarrubias			Title Regulatory Compliance Rep.			Date 7/19/2022									
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.

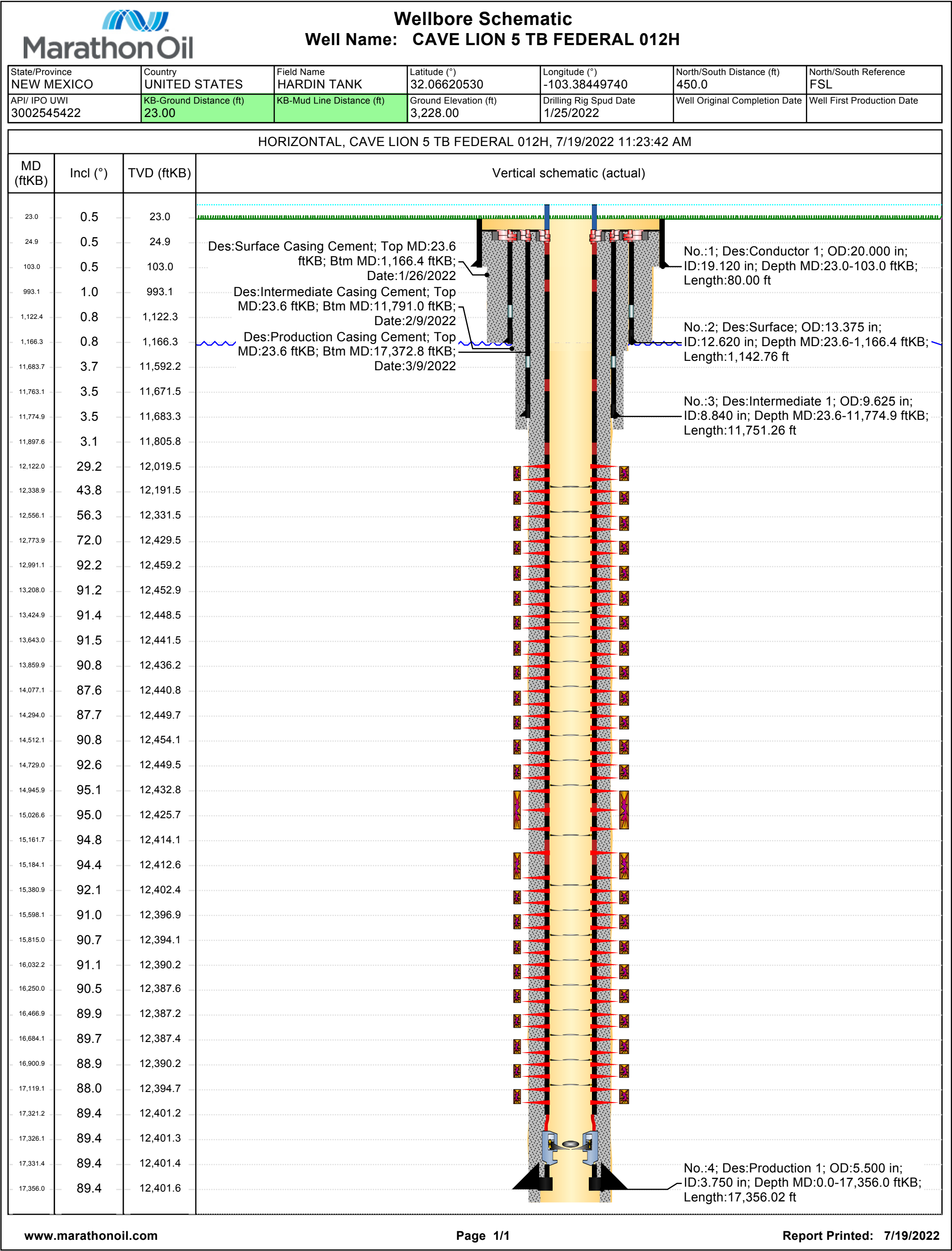
Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon 5456' MD	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5419'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	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 9389' MD	T.Todilto	
T. Abo	T. Rustler - 3727' MD	T. Entrada	
T. Wolfcamp	T. Salado - 1915' MD	T. Wingate	
T. Penn	T. Castile 4726' MD	T. Chinle	
T. Cisco (Bough C)	T. Lamar 5429' MD	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



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 131860

ACKNOWLEDGMENTS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 131860
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 131860

CONDITIONS

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	Action Number: 131860
	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.	8/8/2022