

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-103
 Revised July 18, 2013

WELL API NO. 30-015-44604
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Trebuchet Fee 23 28 19 TB
8. Well Number 6H
9. OGRID Number 372098
10. Pool name or Wildcat Malaga; Bone Spring (North)

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
5555 San Felipe St, Houston, TX 77056

4. Well Location
 Unit Letter N : 270 feet from the South line and 1878 feet from the West line
 Section 19 Township 23S Range 28E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3084'

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

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

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.

Marathon Oil Permian LLC. respectfully requests to make the following changes to the above listed well:
 SHL Updated to 267' FSL 1341' FWL, N-19-T23S-R28E
 Casing & Cement Updated:

Casing Type	Setting Depth	Hole Size	Casing Size	Weight	Sacks of Cement	TOC
Surf	490	17.5	13.375	54.5	505	0
Int	2445	12.25	9.625	36	726	0
Prod	13908	8.75	5.5	20	2584	0

Attached is an updated directional plan, GCP & C-102.

Spud Date:

Rig Release Date:

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

SIGNATURE Melissa Szudera TITLE Regulatory Compliance Representative DATE 02/06/2017

Type or print name Melissa Szudera E-mail address: mszudera@marathonoil.com PHONE: 713-296-3179

For State Use Only

APPROVED BY: Raymond H. Salas TITLE Geologist DATE 2-7-2018
 Conditions of Approval (if any):



EDDY COUNTY, NM (NAD27)
TREBUCHET FEE 23-28-19
TB #6H
PLAN #1
PRECISION 594

WELL DETAILS:

+N/-S 0.00 +E/-W 0.00 NORTHING 467096.80 EASTING 562703.28 LATITUDE 32° 17' 2.410 N LONGITUDE 104° 7' 49.561 W

SECTION DETAILS

MD	INC	AZ	TVD	+N/-S	+E/-W	USEST	TARGET
0.00	0.00	0.30	3.00	0.00	0.00	0.00	
2000.00	0.00	0.30	2003.00	0.00	0.00	0.00	
2500.00	0.00	120.00	2249.45	-7.85	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	
5770.00	0.00	0.00	5751.54	-18.37	0.00	0.00	
6980.50	0.00	0.00	6962.04	-18.37	0.00	0.00	
9580.50	0.00	359.95	9235.00	51.59	0.00	0.00	
13928.14	90.00	359.95	9235.00	4719.22	0.00	0.00	

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
BH(TFB6H)	9235.00	4719.22	313.30	471915.91	563017.15
FT(TFB6H)	9235.00	61.18	313.30	467157.97	563017.15

DRILLING TARGET: 9235' @ OVS / 90.0° INC.

TARGET WINDOW: 15' UP // 15' DOWN

SITE DETAILS: TREBUCHET FEE 23-28-19
SITE CENTRE NORTHING: 467096.80
EASTING: 562643.28
POSITIONAL UNCERTAINTY: 0.00
CONVERGENCE: 0.11
LOCAL NORTH: GRID

PROJECT DETAILS: EDDY COUNTY, NM (NAD27)
GEODETIC SYSTEM: US STATE PLANE 1927 (EXACT SOLUTION)
DATUM: NAD 1927 (NADCON CONUS)
ELLIPSOID: CLARK 1866
ZONE: NEW MEXICO EAST 3001
SYSTEM DATUM: MEAN SEA LEVEL

FORMATION TOP DETAILS

NO FORMATION DATA IS AVAILABLE

MAP: EDDY COUNTY PLANE 1927 (EXACT SOLUTION)

ELLIPSOID: CLARK 1866

ZONE: NEW MEXICO EAST 3001

LOCAL ORIGIN: WELL TB #6H, GRID NORTH

LATITUDE: 32° 17' 2.410 N

LONGITUDE: 104° 7' 49.561 W

GRID EAST: 562703.28

GRID NORTH: 467096.80

SCALE FACTOR: 1.000

GEODETIC MODEL: NAD 1927

DA: PLANE: STATE PLANE 1927

MAGNETIC DECLINATION: 7.32°

MAGNETIC ANGLE: 100.00°

MAGNETIC TRUE NORTH: 104.00°

TO CONVERT TRUE NORTH TO GRID, ADD 7.32°

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Marathon Oil Permian, LLC

Eddy County, NM (NAD27)

Trebuchet Fee 23-28-19

TB #6H

OH

Plan: Plan #1

Standard Planning Report

02 February, 2018



Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19	TB #6H OH Plan #1	Well TB #6H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature
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Eddy 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		Using geodetic scale factor

Trebuchet Fee 23-28-19					
Site Position:		Northing:	467,096.80 usft	Latitude:	32° 17' 2.411 N
From:	Map	Easting:	562,643.28 usft	Longitude:	104° 7' 50.260 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

TB #6H					
Well Position	+N/-S	0.00 usft	Northing:	467,096.80 usft	Latitude: 32° 17' 2.410 N
	+E/-W	60.01 usft	Easting:	562,703.28 usft	Longitude: 104° 7' 49.561 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,087.00 usft

WATER	OH				
HDGM	2/2/2018	7.32	60.07	48,033	

Plan #1			
Audit Notes:			
Version:	Phase:	Tie On Depth:	
	PLAN	0.00	
Vertical Position	Horizontal Position	Station	Notes
0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	6.00	120.00	2,299.45	-7.85	13.59	2.00	2.00	0.00	120.00
5,470.00	6.00	120.00	5,452.09	-173.52	300.55	0.00	0.00	0.00	0.00
5,770.00	0.00	0.00	5,751.54	-181.37	314.14	2.00	-2.00	0.00	180.00
8,680.50	0.00	0.00	8,662.04	-181.37	314.14	0.00	0.00	0.00	0.00
9,580.50	90.00	359.95	9,235.00	391.59	313.60	10.00	10.00	0.00	359.95
13,908.14	90.00	359.95	9,235.00	4,719.22	309.48	0.00	0.00	0.00	0.00 BHL[TF\TB#6H]

Planning Report

Midland District
Marathon Oil Permian, LLC
Eddy County, NM (NAD27)
Trebuchet Fee 23-28-19
TB #6H
OH
Plan #1

Well TB #6H
KB = 25' @ 3112.00usft (Precision 594)
KB = 25' @ 3112.00usft (Precision 594)
Grid
Minimum Curvature

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build 2.0° / 100									
2,100.00	2.00	120.00	2,099.98	-0.87	1.51	-0.87	2.00	2.00	0.00
2,200.00	4.00	120.00	2,199.84	-3.49	6.04	-3.49	2.00	2.00	0.00
2,300.00	6.00	120.00	2,299.45	-7.85	13.59	-7.85	2.00	2.00	0.00
EOB - HOLD									
2,400.00	6.00	120.00	2,398.90	-13.07	22.64	-13.07	0.00	0.00	0.00
2,500.00	6.00	120.00	2,498.36	-18.30	31.70	-18.30	0.00	0.00	0.00
2,600.00	6.00	120.00	2,597.81	-23.53	40.75	-23.53	0.00	0.00	0.00
2,700.00	6.00	120.00	2,697.26	-28.75	49.80	-28.75	0.00	0.00	0.00
2,800.00	6.00	120.00	2,796.71	-33.98	58.85	-33.98	0.00	0.00	0.00
2,900.00	6.00	120.00	2,896.17	-39.21	67.91	-39.21	0.00	0.00	0.00
3,000.00	6.00	120.00	2,995.62	-44.43	76.96	-44.43	0.00	0.00	0.00
3,100.00	6.00	120.00	3,095.07	-49.66	86.01	-49.66	0.00	0.00	0.00
3,200.00	6.00	120.00	3,194.52	-54.88	95.06	-54.88	0.00	0.00	0.00
3,300.00	6.00	120.00	3,293.97	-60.11	104.12	-60.11	0.00	0.00	0.00
3,400.00	6.00	120.00	3,393.43	-65.34	113.17	-65.34	0.00	0.00	0.00
3,500.00	6.00	120.00	3,492.88	-70.56	122.22	-70.56	0.00	0.00	0.00
3,600.00	6.00	120.00	3,592.33	-75.79	131.27	-75.79	0.00	0.00	0.00
3,700.00	6.00	120.00	3,691.78	-81.02	140.33	-81.02	0.00	0.00	0.00
3,800.00	6.00	120.00	3,791.23	-86.24	149.38	-86.24	0.00	0.00	0.00
3,900.00	6.00	120.00	3,890.69	-91.47	158.43	-91.47	0.00	0.00	0.00
4,000.00	6.00	120.00	3,990.14	-96.70	167.48	-96.70	0.00	0.00	0.00
4,100.00	6.00	120.00	4,089.59	-101.92	176.53	-101.92	0.00	0.00	0.00
4,200.00	6.00	120.00	4,189.04	-107.15	185.59	-107.15	0.00	0.00	0.00
4,300.00	6.00	120.00	4,288.50	-112.38	194.64	-112.38	0.00	0.00	0.00
4,400.00	6.00	120.00	4,387.95	-117.60	203.69	-117.60	0.00	0.00	0.00
4,500.00	6.00	120.00	4,487.40	-122.83	212.74	-122.83	0.00	0.00	0.00
4,600.00	6.00	120.00	4,586.85	-128.05	221.80	-128.05	0.00	0.00	0.00
4,700.00	6.00	120.00	4,686.30	-133.28	230.85	-133.28	0.00	0.00	0.00
4,800.00	6.00	120.00	4,785.76	-138.51	239.90	-138.51	0.00	0.00	0.00
4,900.00	6.00	120.00	4,885.21	-143.73	248.95	-143.73	0.00	0.00	0.00
5,000.00	6.00	120.00	4,984.66	-148.96	258.01	-148.96	0.00	0.00	0.00
5,100.00	6.00	120.00	5,084.11	-154.19	267.06	-154.19	0.00	0.00	0.00

Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 TB #6H OH Plan #1	Well TB #6H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature
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5,200.00	6.00	120.00	5,183.57	-159.41	276.11	-159.41	0.00	0.00	0.00
5,300.00	6.00	120.00	5,283.02	-164.64	285.16	-164.64	0.00	0.00	0.00
5,400.00	6.00	120.00	5,382.47	-169.87	294.22	-169.87	0.00	0.00	0.00
5,470.00	6.00	120.00	5,452.09	-173.52	300.55	-173.52	0.00	0.00	0.00
DROP 2.0° / 100									
5,500.00	5.40	120.00	5,481.94	-175.01	303.13	-175.01	2.00	-2.00	0.00
5,600.00	3.40	120.00	5,581.64	-178.85	309.78	-178.85	2.00	-2.00	0.00
5,700.00	1.40	120.00	5,681.55	-180.94	313.40	-180.94	2.00	-2.00	0.00
5,770.00	0.00	0.00	5,751.54	-181.37	314.14	-181.37	2.00	-2.00	0.00
EOD - HOLD									
5,800.00	0.00	0.00	5,781.54	-181.37	314.14	-181.37	0.00	0.00	0.00
5,900.00	0.00	0.00	5,881.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,000.00	0.00	0.00	5,981.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,100.00	0.00	0.00	6,081.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,200.00	0.00	0.00	6,181.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,300.00	0.00	0.00	6,281.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,400.00	0.00	0.00	6,381.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,500.00	0.00	0.00	6,481.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,600.00	0.00	0.00	6,581.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,700.00	0.00	0.00	6,681.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,800.00	0.00	0.00	6,781.54	-181.37	314.14	-181.37	0.00	0.00	0.00
6,900.00	0.00	0.00	6,881.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,000.00	0.00	0.00	6,981.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,100.00	0.00	0.00	7,081.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,200.00	0.00	0.00	7,181.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,300.00	0.00	0.00	7,281.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,400.00	0.00	0.00	7,381.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,500.00	0.00	0.00	7,481.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,600.00	0.00	0.00	7,581.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,700.00	0.00	0.00	7,681.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,800.00	0.00	0.00	7,781.54	-181.37	314.14	-181.37	0.00	0.00	0.00
7,900.00	0.00	0.00	7,881.54	-181.37	314.14	-181.37	0.00	0.00	0.00
8,000.00	0.00	0.00	7,981.54	-181.37	314.14	-181.37	0.00	0.00	0.00
8,100.00	0.00	0.00	8,081.54	-181.37	314.14	-181.37	0.00	0.00	0.00
8,200.00	0.00	0.00	8,181.54	-181.37	314.14	-181.37	0.00	0.00	0.00
8,300.00	0.00	0.00	8,281.54	-181.37	314.14	-181.37	0.00	0.00	0.00
8,400.00	0.00	0.00	8,381.54	-181.37	314.14	-181.37	0.00	0.00	0.00
8,500.00	0.00	0.00	8,481.54	-181.37	314.14	-181.37	0.00	0.00	0.00
8,600.00	0.00	0.00	8,581.54	-181.37	314.14	-181.37	0.00	0.00	0.00
8,680.50	0.00	0.00	8,662.04	-181.37	314.14	-181.37	0.00	0.00	0.00
Curve KOP - Build 10.0° / 100									
8,700.00	1.95	359.95	8,681.53	-181.04	314.14	-181.04	10.00	10.00	0.00
8,750.00	6.95	359.95	8,731.37	-177.16	314.14	-177.16	10.00	10.00	0.00
8,800.00	11.95	359.95	8,780.67	-168.96	314.13	-168.96	10.00	10.00	0.00
8,850.00	16.95	359.95	8,829.08	-156.48	314.12	-156.48	10.00	10.00	0.00
8,900.00	21.95	359.95	8,876.21	-139.84	314.10	-139.84	10.00	10.00	0.00
8,950.00	26.95	359.95	8,921.71	-119.15	314.08	-119.15	10.00	10.00	0.00
9,000.00	31.95	359.95	8,965.24	-94.58	314.06	-94.58	10.00	10.00	0.00
9,050.00	36.95	359.95	9,006.45	-66.30	314.03	-66.30	10.00	10.00	0.00
9,100.00	41.95	359.95	9,045.05	-34.54	314.00	-34.54	10.00	10.00	0.00
9,150.00	46.95	359.95	9,080.73	0.46	313.97	0.46	10.00	10.00	0.00
9,200.00	51.95	359.95	9,113.23	38.44	313.93	38.44	10.00	10.00	0.00
9,250.00	56.95	359.95	9,142.29	79.11	313.90	79.11	10.00	10.00	0.00

Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 TB #6H OH Plan #1					Well TB #6H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature				
9,281.69	60.12	359.95	9,158.83	106.14	313.87	106.14	10.00	10.00	0.00
FTP(TF/TB#6H)									
9,300.00	61.95	359.95	9,167.70	122.15	313.86	122.15	10.00	10.00	0.00
9,350.00	66.95	359.95	9,189.26	167.25	313.81	167.25	10.00	10.00	0.00
9,400.00	71.95	359.95	9,206.80	214.05	313.77	214.05	10.00	10.00	0.00
9,450.00	76.95	359.95	9,220.20	262.21	313.72	262.21	10.00	10.00	0.00
9,500.00	81.95	359.95	9,229.35	311.35	313.67	311.35	10.00	10.00	0.00
9,550.00	86.95	359.95	9,234.19	361.10	313.63	361.10	10.00	10.00	0.00
9,580.50	90.00	359.95	9,235.00	391.59	313.60	391.59	10.00	10.00	0.00
EOC - HOLD									
9,600.00	90.00	359.95	9,235.00	411.08	313.58	411.08	0.00	0.00	0.00
9,700.00	90.00	359.95	9,235.00	511.08	313.48	511.08	0.00	0.00	0.00
9,800.00	90.00	359.95	9,235.00	611.08	313.39	611.08	0.00	0.00	0.00
9,900.00	90.00	359.95	9,235.00	711.08	313.29	711.08	0.00	0.00	0.00
10,000.00	90.00	359.95	9,235.00	811.08	313.20	811.08	0.00	0.00	0.00
10,100.00	90.00	359.95	9,235.00	911.08	313.10	911.08	0.00	0.00	0.00
10,200.00	90.00	359.95	9,235.00	1,011.08	313.01	1,011.08	0.00	0.00	0.00
10,300.00	90.00	359.95	9,235.00	1,111.08	312.91	1,111.08	0.00	0.00	0.00
10,400.00	90.00	359.95	9,235.00	1,211.08	312.82	1,211.08	0.00	0.00	0.00
10,500.00	90.00	359.95	9,235.00	1,311.08	312.72	1,311.08	0.00	0.00	0.00
10,600.00	90.00	359.95	9,235.00	1,411.08	312.63	1,411.08	0.00	0.00	0.00
10,700.00	90.00	359.95	9,235.00	1,511.08	312.53	1,511.08	0.00	0.00	0.00
10,800.00	90.00	359.95	9,235.00	1,611.08	312.44	1,611.08	0.00	0.00	0.00
10,900.00	90.00	359.95	9,235.00	1,711.08	312.34	1,711.08	0.00	0.00	0.00
11,000.00	90.00	359.95	9,235.00	1,811.08	312.25	1,811.08	0.00	0.00	0.00
11,100.00	90.00	359.95	9,235.00	1,911.08	312.15	1,911.08	0.00	0.00	0.00
11,200.00	90.00	359.95	9,235.00	2,011.08	312.06	2,011.08	0.00	0.00	0.00
11,300.00	90.00	359.95	9,235.00	2,111.08	311.96	2,111.08	0.00	0.00	0.00
11,400.00	90.00	359.95	9,235.00	2,211.08	311.87	2,211.08	0.00	0.00	0.00
11,500.00	90.00	359.95	9,235.00	2,311.08	311.77	2,311.08	0.00	0.00	0.00
11,600.00	90.00	359.95	9,235.00	2,411.08	311.68	2,411.08	0.00	0.00	0.00
11,700.00	90.00	359.95	9,235.00	2,511.08	311.58	2,511.08	0.00	0.00	0.00
11,800.00	90.00	359.95	9,235.00	2,611.08	311.48	2,611.08	0.00	0.00	0.00
11,900.00	90.00	359.95	9,235.00	2,711.08	311.39	2,711.08	0.00	0.00	0.00
12,000.00	90.00	359.95	9,235.00	2,811.08	311.29	2,811.08	0.00	0.00	0.00
12,100.00	90.00	359.95	9,235.00	2,911.08	311.20	2,911.08	0.00	0.00	0.00
12,200.00	90.00	359.95	9,235.00	3,011.08	311.10	3,011.08	0.00	0.00	0.00
12,300.00	90.00	359.95	9,235.00	3,111.08	311.01	3,111.08	0.00	0.00	0.00
12,400.00	90.00	359.95	9,235.00	3,211.08	310.91	3,211.08	0.00	0.00	0.00
12,500.00	90.00	359.95	9,235.00	3,311.08	310.82	3,311.08	0.00	0.00	0.00
12,600.00	90.00	359.95	9,235.00	3,411.08	310.72	3,411.08	0.00	0.00	0.00
12,700.00	90.00	359.95	9,235.00	3,511.08	310.63	3,511.08	0.00	0.00	0.00
12,800.00	90.00	359.95	9,235.00	3,611.08	310.53	3,611.08	0.00	0.00	0.00
12,900.00	90.00	359.95	9,235.00	3,711.08	310.44	3,711.08	0.00	0.00	0.00
13,000.00	90.00	359.95	9,235.00	3,811.08	310.34	3,811.08	0.00	0.00	0.00
13,100.00	90.00	359.95	9,235.00	3,911.08	310.25	3,911.08	0.00	0.00	0.00
13,200.00	90.00	359.95	9,235.00	4,011.08	310.15	4,011.08	0.00	0.00	0.00
13,300.00	90.00	359.95	9,235.00	4,111.08	310.06	4,111.08	0.00	0.00	0.00
13,400.00	90.00	359.95	9,235.00	4,211.08	309.96	4,211.08	0.00	0.00	0.00
13,500.00	90.00	359.95	9,235.00	4,311.08	309.87	4,311.08	0.00	0.00	0.00
13,600.00	90.00	359.95	9,235.00	4,411.08	309.77	4,411.08	0.00	0.00	0.00
13,700.00	90.00	359.95	9,235.00	4,511.08	309.67	4,511.08	0.00	0.00	0.00
13,800.00	90.00	359.95	9,235.00	4,611.08	309.58	4,611.08	0.00	0.00	0.00
13,908.14	90.00	359.95	9,235.00	4,719.22	309.48	4,719.22	0.00	0.00	0.00

Planning Report

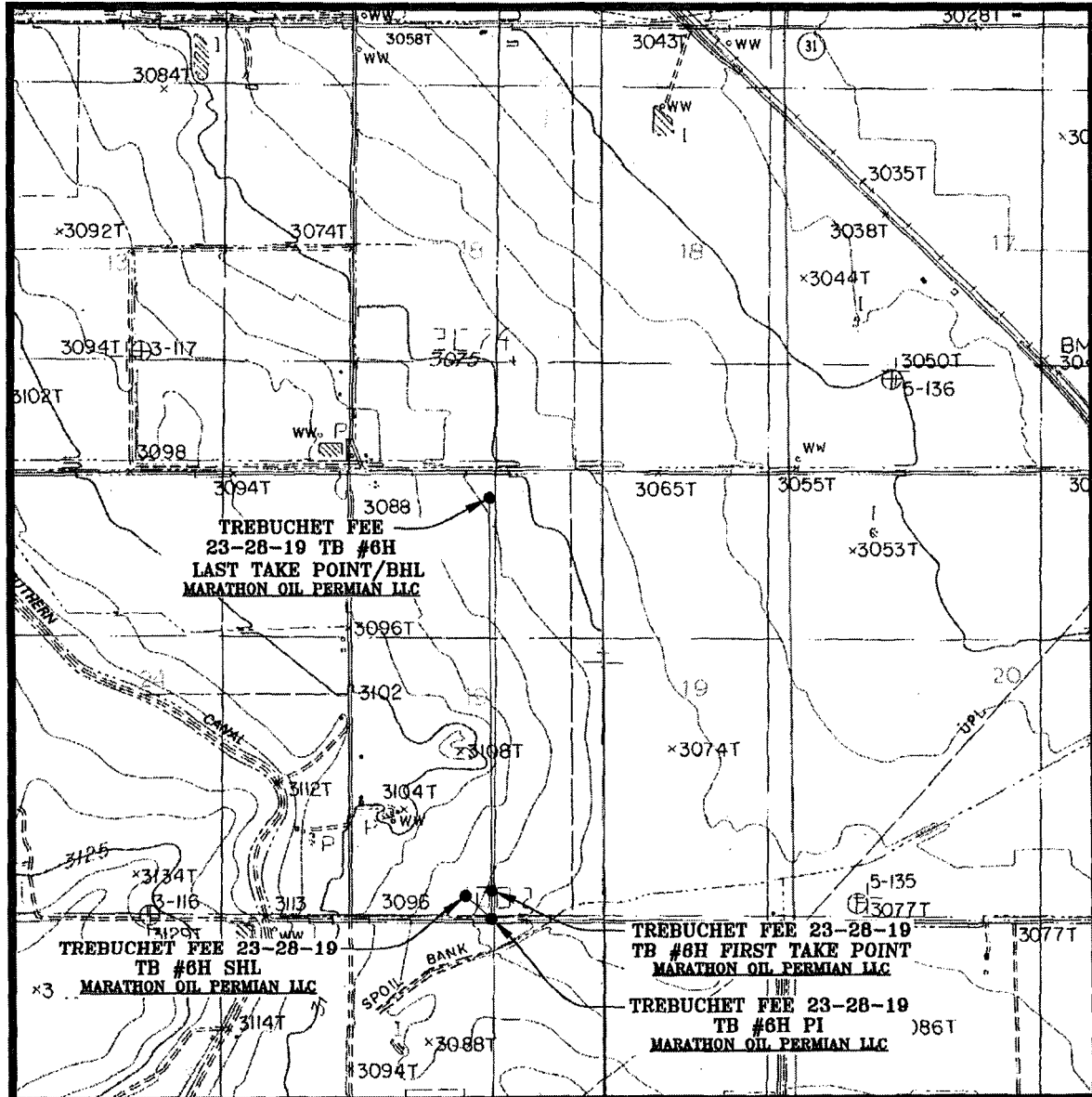
Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 TB #6H OH Plan #1	Well TB #6H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature
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TD at 13908.14 - BHL[TF\TB#6H]									
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BHL[TF\TB#6H]	0.00	0.00	9,235.00	4,719.22	309.48	471,815.61	563,012.73	32° 17' 49.103 N	104° 7' 45.851 W
- plan hits target center									
- Point									
FTP[TF\TB#6H]	0.00	0.00	9,235.00	61.18	313.90	467,157.97	563,017.15	32° 17' 3.009 N	104° 7' 45.903 W
- plan misses target center by 88.45usft at 9281.69usft MD (9158.83 TVD, 106.14 N, 313.87 E)									
- Point									

2,000.00	2,000.00	0.00	0.00	KOP - Build 2.0° / 100
2,300.00	2,299.45	-7.85	13.59	EOB - HOLD
5,470.00	5,452.09	-173.52	300.55	DROP 2.0° / 100
5,770.00	5,751.54	-181.37	314.14	EOD - HOLD
8,680.50	8,662.04	-181.37	314.14	Curve KOP - Build 10.0° / 100
9,580.50	9,235.00	391.59	313.60	EOC - HOLD
13,908.14	9,235.00	4,719.22	309.48	TD at 13908.14

LOCATION VERIFICATION MAP

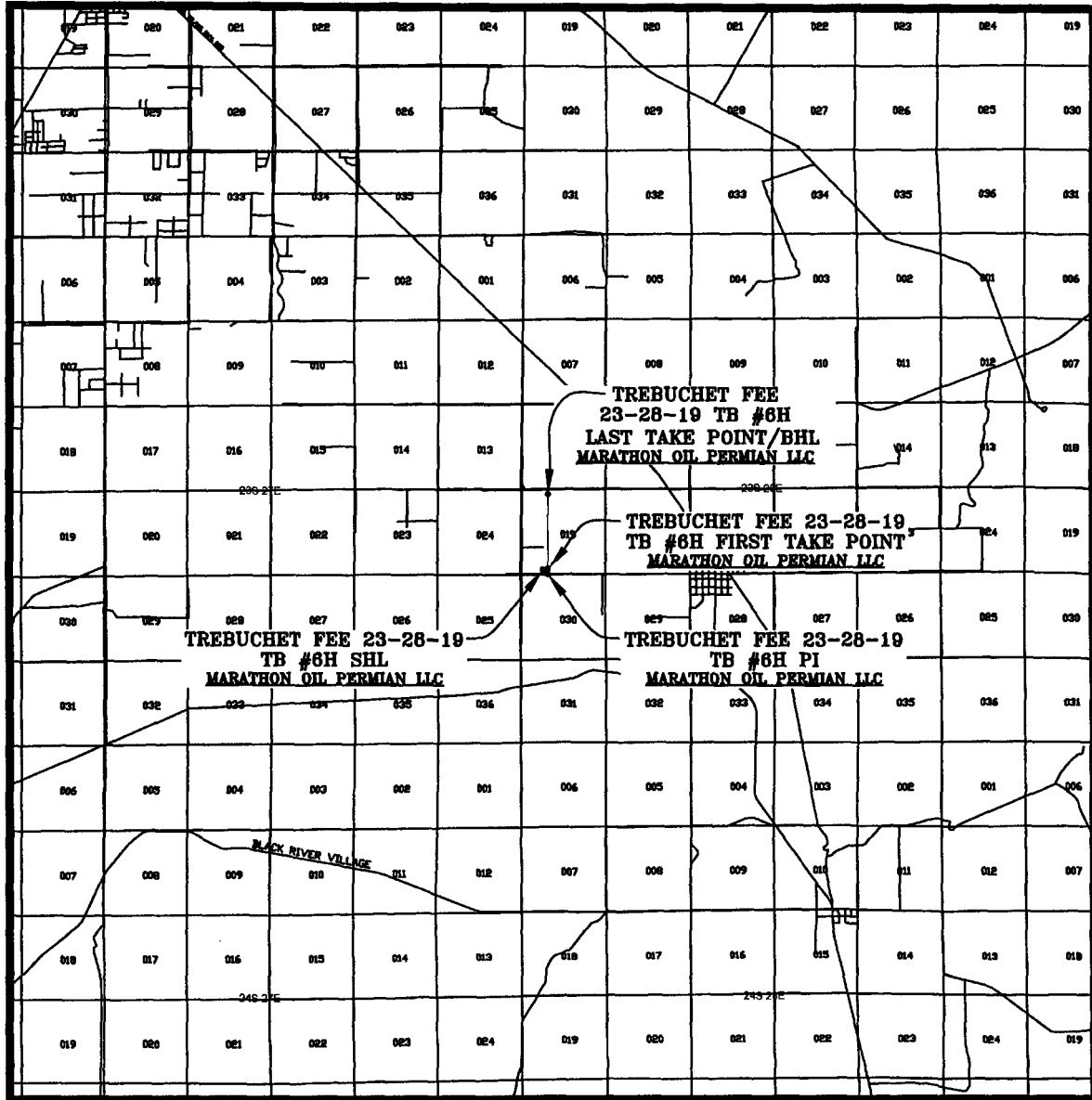


SEC. 19 TWP. 23-S RGE. 28-E
 SURVEY: N.M.P.M.
 COUNTY: EDDY
 DESCRIPTION: 267' FSL & 1341' FWL
 ELEVATION: 3087'
 OPERATOR: MARATHON OIL PERMIAN LLC
 LEASE: TREBUCHET FEE 23-28-19
 U.S.G.S. TOPOGRAPHIC MAP: OTIS, N.M.

SCALE: 1" = 2000'
 CONTOUR INTERVAL = 5'

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-8900 OFFICE
 JOB No. R3798_003

VICINITY MAP



SEC. 19 TWP. 23-S RGE. 28-E
 SURVEY: N.M.P.M.
 COUNTY: EDDY
 DESCRIPTION: 267' FSL & 1341' FWL
 ELEVATION: 3087'
 OPERATOR: MARATHON OIL PERMIAN LLC
 LEASE: TREBUCHET FEE 23-28-19
 U.S.G.S. TOPOGRAPHIC MAP: OTIS, N.M.

SCALE: 1" = 2 MILES

PREPARED BY:
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