

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. 30-015-44605
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 WXY
8. Well Number 10H
9. OGRID Number 372098
10. Pool name or Wildcat Purple Sage; Wolfcamp

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 1928 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 1371' FWL, N-19-T23S-R28E ✓ *Rup*
 Casing & Cement Updated:

NM OIL CONSERVATION
 ARTESIA DISTRICT
 FEB 06 2018

Casing Type	Setting Depth	Hole Size	Casing Size	Weight	Sacks of Cement	TOC
Surface	490	17.5	13.375	54.5	505	0
Int 1	2445	12.25	9.625	36	726	0
Int 2	9816	8.75	7	29	860	0
Production	14131	6.125	4.5	13.5	542	8716

RECEIVED

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 St. Rodary* TITLE Geologist. DATE 2-7-2018
 Conditions of Approval (if any):



EDDY COUNTY, NM (NAD27)
TREBUCHET FEE 23-28-19
WXY #10H
PLAN #1
PRECISION 594

WELL DETAILS:

+N/5 0.00 +E/W 0.00 NORTHING 467096.79 EASTING 562733.28 32° 17' 2.40" N 100° 7' 49.21" W GROUND LEVEL: 3087.00 LATITUDE LONGITUDE

SECTION DETAILS

NO	INS	ASV	TVD	+N/5	+E/W	FEAGE	VSECT	TARGET
0.00	0.00	0.30	3.00	0.00	0.00	0.55	0.00	
2000.30	0.00	0.30	2002.00	0.00	0.00	0.55	0.00	
4000.30	0.00	0.30	4002.00	0.00	0.00	0.55	0.00	
6000.30	0.00	0.30	6002.00	0.00	0.00	0.55	0.00	
8000.30	0.00	0.30	8002.00	0.00	0.00	0.55	0.00	
10000.30	0.00	0.30	10002.00	0.00	0.00	0.55	0.00	
12000.30	0.00	0.30	12002.00	0.00	0.00	0.55	0.00	
14000.30	0.00	0.30	14002.00	0.00	0.00	0.55	0.00	
16000.30	0.00	0.30	16002.00	0.00	0.00	0.55	0.00	
18000.30	0.00	0.30	18002.00	0.00	0.00	0.55	0.00	
20000.30	0.00	0.30	20002.00	0.00	0.00	0.55	0.00	
22000.30	0.00	0.30	22002.00	0.00	0.00	0.55	0.00	
24000.30	0.00	0.30	24002.00	0.00	0.00	0.55	0.00	
26000.30	0.00	0.30	26002.00	0.00	0.00	0.55	0.00	
28000.30	0.00	0.30	28002.00	0.00	0.00	0.55	0.00	
30000.30	0.00	0.30	30002.00	0.00	0.00	0.55	0.00	
32000.30	0.00	0.30	32002.00	0.00	0.00	0.55	0.00	
34000.30	0.00	0.30	34002.00	0.00	0.00	0.55	0.00	
36000.30	0.00	0.30	36002.00	0.00	0.00	0.55	0.00	
38000.30	0.00	0.30	38002.00	0.00	0.00	0.55	0.00	
40000.30	0.00	0.30	40002.00	0.00	0.00	0.55	0.00	
42000.30	0.00	0.30	42002.00	0.00	0.00	0.55	0.00	
44000.30	0.00	0.30	44002.00	0.00	0.00	0.55	0.00	
46000.30	0.00	0.30	46002.00	0.00	0.00	0.55	0.00	
48000.30	0.00	0.30	48002.00	0.00	0.00	0.55	0.00	
50000.30	0.00	0.30	50002.00	0.00	0.00	0.55	0.00	
52000.30	0.00	0.30	52002.00	0.00	0.00	0.55	0.00	
54000.30	0.00	0.30	54002.00	0.00	0.00	0.55	0.00	
56000.30	0.00	0.30	56002.00	0.00	0.00	0.55	0.00	
58000.30	0.00	0.30	58002.00	0.00	0.00	0.55	0.00	
60000.30	0.00	0.30	60002.00	0.00	0.00	0.55	0.00	
62000.30	0.00	0.30	62002.00	0.00	0.00	0.55	0.00	
64000.30	0.00	0.30	64002.00	0.00	0.00	0.55	0.00	
66000.30	0.00	0.30	66002.00	0.00	0.00	0.55	0.00	
68000.30	0.00	0.30	68002.00	0.00	0.00	0.55	0.00	
70000.30	0.00	0.30	70002.00	0.00	0.00	0.55	0.00	
72000.30	0.00	0.30	72002.00	0.00	0.00	0.55	0.00	
74000.30	0.00	0.30	74002.00	0.00	0.00	0.55	0.00	
76000.30	0.00	0.30	76002.00	0.00	0.00	0.55	0.00	
78000.30	0.00	0.30	78002.00	0.00	0.00	0.55	0.00	
80000.30	0.00	0.30	80002.00	0.00	0.00	0.55	0.00	
82000.30	0.00	0.30	82002.00	0.00	0.00	0.55	0.00	
84000.30	0.00	0.30	84002.00	0.00	0.00	0.55	0.00	
86000.30	0.00	0.30	86002.00	0.00	0.00	0.55	0.00	
88000.30	0.00	0.30	88002.00	0.00	0.00	0.55	0.00	
90000.30	0.00	0.30	90002.00	0.00	0.00	0.55	0.00	
92000.30	0.00	0.30	92002.00	0.00	0.00	0.55	0.00	
94000.30	0.00	0.30	94002.00	0.00	0.00	0.55	0.00	
96000.30	0.00	0.30	96002.00	0.00	0.00	0.55	0.00	
98000.30	0.00	0.30	98002.00	0.00	0.00	0.55	0.00	
100000.30	0.00	0.30	100002.00	0.00	0.00	0.55	0.00	

DESIGN TARGET DETAILS

Name	TVD	+N/5	+E/W	Northing	Eastng
BH1TFWXY10H	9408.00	4721.79	942.28	467154.65	555975.46
FPTTFWXY10H	9408.00	57.84	940.98		555862.16

DRILLING TARGET: 9408' @ 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: CLARKE 1866
ZONE: NEW MEXICO EAST 3000

SYSTEM DATUM: MEAN SEA LEVEL

FORMATION TOP DETAILS

NO FORMATION DATA IS AVAILABLE

MAGNETIC DECLINATION: 7.32°

TO CORRECT MAGNETIC NORTH TO GRID, ADD 7.32°

TO CORRECT MAGNETIC NORTH TO TRUE, ADD 7.32° EAST

TO CONVERT TRUE NORTH TO GRID, SUBTRACT 0.11°

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Marathon Oil Permian, LLC

Eddy County, NM (NAD27)

Trebuchet Fee 23-28-19

WXY #10H

OH

Plan: Plan #1

Standard Planning Report

02 February, 2018



www.scientificdrilling.com

Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 WXY #10H OH Plan #1	Well WXY #10H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature
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Project: 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	
From:		Easting:		562,643.28 usft	
Map		Slot Radius:		13-3/16 "	
Position Uncertainty:		0.00 usft		Grid Convergence:	
				0.11 °	
				32° 17' 2.411 N	
				104° 7' 50.260 W	

Well		WCY #10H				
Well Position	+N-S	-0.01 usft	Northing:	467,096.79 usft	Latitude:	32° 17' 2.409 N
	+E-W	90.01 usft	Easting:	562,733.28 usft	Longitude:	104° 7' 49.211 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,087.00 usft

Wellbore	OH				
Direction	Flow Direction	Flow Rate	Flow Rate	Flow Rate	Flow Rate
HDGM	2/2/2018	7.32	60.07	48,033	

Plan #1				
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
0.00	0.00	0.00	0.00	0.00

DATE	TIME	LOCATION	DEPTH	SPEED	DIRECTION	CURRENT	TIDE	WIND	SEA
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
2,500.00	10.00	100.00	2,497.47	-7.56	42.86	2.00	2.00	0.00	100.00
7,510.00	10.00	100.00	7,431.35	-158.63	899.62	0.00	0.00	0.00	0.00
8,010.00	0.00	0.00	7,928.82	-166.19	942.48	2.00	-2.00	0.00	180.00
8,916.22	0.00	0.00	8,835.04	-166.19	942.48	0.00	0.00	0.00	0.00
9,816.22	90.00	360.00	9,408.00	406.77	942.46	10.00	10.00	0.00	360.00
14,131.24	90.00	360.00	9,408.00	4,721.79	942.26	0.00	0.00	0.00	0.00 BHL(TFWXY#10H)

Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 WXY #10H OH Plan #1	Well WXY #10H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature
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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	100.00	2,099.98	-0.30	1.72	-0.30	2.00	2.00	0.00
2,200.00	4.00	100.00	2,199.84	-1.21	6.87	-1.21	2.00	2.00	0.00
2,300.00	6.00	100.00	2,299.45	-2.73	15.46	-2.73	2.00	2.00	0.00
2,400.00	8.00	100.00	2,398.70	-4.84	27.46	-4.84	2.00	2.00	0.00
2,500.00	10.00	100.00	2,497.47	-7.56	42.86	-7.56	2.00	2.00	0.00
EOB - HOLD									
2,600.00	10.00	100.00	2,595.95	-10.57	59.96	-10.57	0.00	0.00	0.00
2,700.00	10.00	100.00	2,694.43	-13.59	77.06	-13.59	0.00	0.00	0.00
2,800.00	10.00	100.00	2,792.91	-16.60	94.16	-16.60	0.00	0.00	0.00
2,900.00	10.00	100.00	2,891.39	-19.62	111.27	-19.62	0.00	0.00	0.00
3,000.00	10.00	100.00	2,989.87	-22.63	128.37	-22.63	0.00	0.00	0.00
3,100.00	10.00	100.00	3,088.35	-25.65	145.47	-25.65	0.00	0.00	0.00
3,200.00	10.00	100.00	3,186.83	-28.67	162.57	-28.67	0.00	0.00	0.00
3,300.00	10.00	100.00	3,285.31	-31.68	179.67	-31.68	0.00	0.00	0.00
3,400.00	10.00	100.00	3,383.79	-34.70	196.77	-34.70	0.00	0.00	0.00
3,500.00	10.00	100.00	3,482.27	-37.71	213.87	-37.71	0.00	0.00	0.00
3,600.00	10.00	100.00	3,580.75	-40.73	230.97	-40.73	0.00	0.00	0.00
3,700.00	10.00	100.00	3,679.23	-43.74	248.07	-43.74	0.00	0.00	0.00
3,800.00	10.00	100.00	3,777.72	-46.76	265.17	-46.76	0.00	0.00	0.00
3,900.00	10.00	100.00	3,876.20	-49.77	282.28	-49.77	0.00	0.00	0.00
4,000.00	10.00	100.00	3,974.68	-52.79	299.38	-52.79	0.00	0.00	0.00
4,100.00	10.00	100.00	4,073.16	-55.80	316.48	-55.80	0.00	0.00	0.00
4,200.00	10.00	100.00	4,171.64	-58.82	333.58	-58.82	0.00	0.00	0.00
4,300.00	10.00	100.00	4,270.12	-61.83	350.68	-61.83	0.00	0.00	0.00
4,400.00	10.00	100.00	4,368.60	-64.85	367.78	-64.85	0.00	0.00	0.00
4,500.00	10.00	100.00	4,467.08	-67.86	384.88	-67.86	0.00	0.00	0.00
4,600.00	10.00	100.00	4,565.56	-70.88	401.98	-70.88	0.00	0.00	0.00
4,700.00	10.00	100.00	4,664.04	-73.90	419.08	-73.90	0.00	0.00	0.00
4,800.00	10.00	100.00	4,762.52	-76.91	436.18	-76.91	0.00	0.00	0.00
4,900.00	10.00	100.00	4,861.00	-79.93	453.29	-79.93	0.00	0.00	0.00
5,000.00	10.00	100.00	4,959.48	-82.94	470.39	-82.94	0.00	0.00	0.00
5,100.00	10.00	100.00	5,057.97	-85.96	487.49	-85.96	0.00	0.00	0.00

Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 WXY #10H OH Plan #1	Well WXY #10H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature
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Station	Offset	Width	Station	Offset	Width	Station	Offset	Width	Station	Offset	Width
5,200.00	10.00	100.00	5,156.45	-88.97	504.59	-88.97	0.00	0.00	0.00		
5,300.00	10.00	100.00	5,254.93	-91.99	521.69	-91.99	0.00	0.00	0.00		
5,400.00	10.00	100.00	5,353.41	-95.00	538.79	-95.00	0.00	0.00	0.00		
5,500.00	10.00	100.00	5,451.89	-98.02	555.89	-98.02	0.00	0.00	0.00		
5,600.00	10.00	100.00	5,550.37	-101.03	572.99	-101.03	0.00	0.00	0.00		
5,700.00	10.00	100.00	5,648.85	-104.05	590.09	-104.05	0.00	0.00	0.00		
5,800.00	10.00	100.00	5,747.33	-107.06	607.19	-107.06	0.00	0.00	0.00		
5,900.00	10.00	100.00	5,845.81	-110.08	624.30	-110.08	0.00	0.00	0.00		
6,000.00	10.00	100.00	5,944.29	-113.10	641.40	-113.10	0.00	0.00	0.00		
6,100.00	10.00	100.00	6,042.77	-116.11	658.50	-116.11	0.00	0.00	0.00		
6,200.00	10.00	100.00	6,141.25	-119.13	675.60	-119.13	0.00	0.00	0.00		
6,300.00	10.00	100.00	6,239.73	-122.14	692.70	-122.14	0.00	0.00	0.00		
6,400.00	10.00	100.00	6,338.22	-125.16	709.80	-125.16	0.00	0.00	0.00		
6,500.00	10.00	100.00	6,436.70	-128.17	726.90	-128.17	0.00	0.00	0.00		
6,600.00	10.00	100.00	6,535.18	-131.19	744.00	-131.19	0.00	0.00	0.00		
6,700.00	10.00	100.00	6,633.66	-134.20	761.10	-134.20	0.00	0.00	0.00		
6,800.00	10.00	100.00	6,732.14	-137.22	778.20	-137.22	0.00	0.00	0.00		
6,900.00	10.00	100.00	6,830.62	-140.23	795.31	-140.23	0.00	0.00	0.00		
7,000.00	10.00	100.00	6,929.10	-143.25	812.41	-143.25	0.00	0.00	0.00		
7,100.00	10.00	100.00	7,027.58	-146.26	829.51	-146.26	0.00	0.00	0.00		
7,200.00	10.00	100.00	7,126.06	-149.28	846.61	-149.28	0.00	0.00	0.00		
7,300.00	10.00	100.00	7,224.54	-152.30	863.71	-152.30	0.00	0.00	0.00		
7,400.00	10.00	100.00	7,323.02	-155.31	880.81	-155.31	0.00	0.00	0.00		
7,500.00	10.00	100.00	7,421.50	-158.33	897.91	-158.33	0.00	0.00	0.00		
7,510.00	10.00	100.00	7,431.35	-158.63	899.62	-158.63	0.00	0.00	0.00		
DROP 2.0° / 100											
7,600.00	8.20	100.00	7,520.22	-161.10	913.64	-161.10	2.00	-2.00	0.00		
7,700.00	6.20	100.00	7,619.42	-163.28	925.98	-163.28	2.00	-2.00	0.00		
7,800.00	4.20	100.00	7,719.01	-164.85	934.91	-164.85	2.00	-2.00	0.00		
7,900.00	2.20	100.00	7,818.84	-165.82	940.40	-165.82	2.00	-2.00	0.00		
8,000.00	0.20	100.00	7,918.82	-166.18	942.47	-166.18	2.00	-2.00	0.00		
8,010.00	0.00	0.00	7,928.82	-166.19	942.48	-166.19	2.00	-2.00	0.00		
EOD - HOLD											
8,100.00	0.00	0.00	8,018.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,200.00	0.00	0.00	8,118.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,300.00	0.00	0.00	8,218.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,400.00	0.00	0.00	8,318.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,500.00	0.00	0.00	8,418.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,600.00	0.00	0.00	8,518.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,700.00	0.00	0.00	8,618.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,800.00	0.00	0.00	8,718.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,900.00	0.00	0.00	8,818.82	-166.19	942.48	-166.19	0.00	0.00	0.00		
8,916.22	0.00	0.00	8,835.04	-166.19	942.48	-166.19	0.00	0.00	0.00		
Curve KOP - Build 10.0° / 100											
8,950.00	3.38	360.00	8,868.80	-165.19	942.48	-165.19	10.00	10.00	0.00		
9,000.00	8.38	360.00	8,918.52	-160.07	942.48	-160.07	10.00	10.00	0.00		
9,050.00	13.38	360.00	8,967.61	-150.64	942.48	-150.64	10.00	10.00	0.00		
9,100.00	18.38	360.00	9,015.68	-136.96	942.48	-136.96	10.00	10.00	0.00		
9,150.00	23.38	360.00	9,062.39	-119.15	942.48	-119.15	10.00	10.00	0.00		
9,200.00	28.38	360.00	9,107.36	-97.34	942.48	-97.34	10.00	10.00	0.00		
9,250.00	33.38	360.00	9,150.26	-71.68	942.48	-71.68	10.00	10.00	0.00		
9,300.00	38.38	360.00	9,190.76	-42.39	942.48	-42.39	10.00	10.00	0.00		
9,350.00	43.38	360.00	9,228.55	-9.68	942.48	-9.68	10.00	10.00	0.00		

Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 WXY #10H OH Plan #1	Well WXY #10H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature
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Depth (ft)	KB (ft)	KB (ft)	KB (ft)	KB (ft)	KB (ft)	KB (ft)	KB (ft)	KB (ft)	KB (ft)
9,400.00	48.38	360.00	9,263.35	26.20	942.47	26.20	10.00	10.00	0.00
9,450.00	53.38	360.00	9,294.89	64.98	942.47	64.98	10.00	10.00	0.00
9,500.00	58.38	360.00	9,322.93	106.36	942.47	106.36	10.00	10.00	0.00
FTP(TFWXY#10H)									
9,550.00	63.38	360.00	9,347.25	150.02	942.47	150.02	10.00	10.00	0.00
9,600.00	68.38	360.00	9,367.68	195.64	942.47	195.64	10.00	10.00	0.00
9,650.00	73.38	360.00	9,384.06	242.87	942.46	242.87	10.00	10.00	0.00
9,700.00	78.38	360.00	9,396.25	291.34	942.46	291.34	10.00	10.00	0.00
9,750.00	83.38	360.00	9,404.18	340.70	942.46	340.70	10.00	10.00	0.00
9,800.00	88.38	360.00	9,407.77	390.55	942.46	390.55	10.00	10.00	0.00
9,816.22	90.00	360.00	9,408.00	406.77	942.46	406.77	10.00	10.00	0.00
EOC - HOLD									
9,900.00	90.00	360.00	9,408.00	490.55	942.45	490.55	0.00	0.00	0.00
10,000.00	90.00	360.00	9,408.00	590.55	942.45	590.55	0.00	0.00	0.00
10,100.00	90.00	360.00	9,408.00	690.55	942.44	690.55	0.00	0.00	0.00
10,200.00	90.00	360.00	9,408.00	790.55	942.44	790.55	0.00	0.00	0.00
10,300.00	90.00	360.00	9,408.00	890.55	942.44	890.55	0.00	0.00	0.00
10,400.00	90.00	360.00	9,408.00	990.55	942.43	990.55	0.00	0.00	0.00
10,500.00	90.00	360.00	9,408.00	1,090.55	942.43	1,090.55	0.00	0.00	0.00
10,600.00	90.00	360.00	9,408.00	1,190.55	942.42	1,190.55	0.00	0.00	0.00
10,700.00	90.00	360.00	9,408.00	1,290.55	942.42	1,290.55	0.00	0.00	0.00
10,800.00	90.00	360.00	9,408.00	1,390.55	942.41	1,390.55	0.00	0.00	0.00
10,900.00	90.00	360.00	9,408.00	1,490.55	942.41	1,490.55	0.00	0.00	0.00
11,000.00	90.00	360.00	9,408.00	1,590.55	942.40	1,590.55	0.00	0.00	0.00
11,100.00	90.00	360.00	9,408.00	1,690.55	942.40	1,690.55	0.00	0.00	0.00
11,200.00	90.00	360.00	9,408.00	1,790.55	942.39	1,790.55	0.00	0.00	0.00
11,300.00	90.00	360.00	9,408.00	1,890.55	942.39	1,890.55	0.00	0.00	0.00
11,400.00	90.00	360.00	9,408.00	1,990.55	942.39	1,990.55	0.00	0.00	0.00
11,500.00	90.00	360.00	9,408.00	2,090.55	942.38	2,090.55	0.00	0.00	0.00
11,600.00	90.00	360.00	9,408.00	2,190.55	942.38	2,190.55	0.00	0.00	0.00
11,700.00	90.00	360.00	9,408.00	2,290.55	942.37	2,290.55	0.00	0.00	0.00
11,800.00	90.00	360.00	9,408.00	2,390.55	942.37	2,390.55	0.00	0.00	0.00
11,900.00	90.00	360.00	9,408.00	2,490.55	942.36	2,490.55	0.00	0.00	0.00
12,000.00	90.00	360.00	9,408.00	2,590.55	942.36	2,590.55	0.00	0.00	0.00
12,100.00	90.00	360.00	9,408.00	2,690.55	942.35	2,690.55	0.00	0.00	0.00
12,200.00	90.00	360.00	9,408.00	2,790.55	942.35	2,790.55	0.00	0.00	0.00
12,300.00	90.00	360.00	9,408.00	2,890.55	942.34	2,890.55	0.00	0.00	0.00
12,400.00	90.00	360.00	9,408.00	2,990.55	942.34	2,990.55	0.00	0.00	0.00
12,500.00	90.00	360.00	9,408.00	3,090.55	942.34	3,090.55	0.00	0.00	0.00
12,600.00	90.00	360.00	9,408.00	3,190.55	942.33	3,190.55	0.00	0.00	0.00
12,700.00	90.00	360.00	9,408.00	3,290.55	942.33	3,290.55	0.00	0.00	0.00
12,800.00	90.00	360.00	9,408.00	3,390.55	942.32	3,390.55	0.00	0.00	0.00
12,900.00	90.00	360.00	9,408.00	3,490.55	942.32	3,490.55	0.00	0.00	0.00
13,000.00	90.00	360.00	9,408.00	3,590.55	942.31	3,590.55	0.00	0.00	0.00
13,100.00	90.00	360.00	9,408.00	3,690.55	942.31	3,690.55	0.00	0.00	0.00
13,200.00	90.00	360.00	9,408.00	3,790.55	942.30	3,790.55	0.00	0.00	0.00
13,300.00	90.00	360.00	9,408.00	3,890.55	942.30	3,890.55	0.00	0.00	0.00
13,400.00	90.00	360.00	9,408.00	3,990.55	942.29	3,990.55	0.00	0.00	0.00
13,500.00	90.00	360.00	9,408.00	4,090.55	942.29	4,090.55	0.00	0.00	0.00
13,600.00	90.00	360.00	9,408.00	4,190.55	942.29	4,190.55	0.00	0.00	0.00
13,700.00	90.00	360.00	9,408.00	4,290.55	942.28	4,290.55	0.00	0.00	0.00
13,800.00	90.00	360.00	9,408.00	4,390.55	942.28	4,390.55	0.00	0.00	0.00
13,900.00	90.00	360.00	9,408.00	4,490.55	942.27	4,490.55	0.00	0.00	0.00
14,000.00	90.00	360.00	9,408.00	4,590.55	942.27	4,590.55	0.00	0.00	0.00

Planning Report

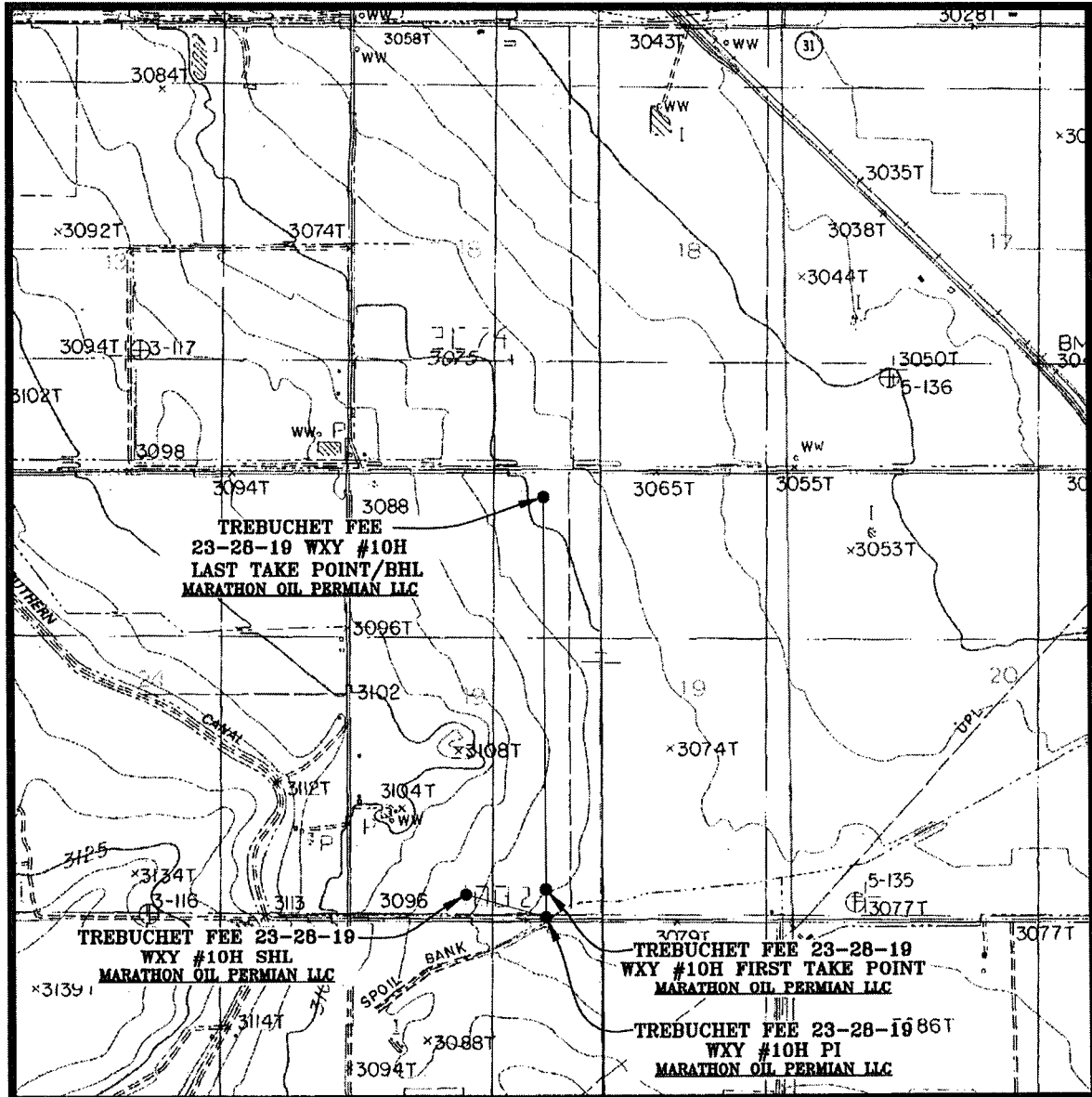
Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 WXY #10H OH Plan #1	Well WXY #10H KB = 25' @ 3112.00usft (Precision 594) KB = 25' @ 3112.00usft (Precision 594) Grid Minimum Curvature
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14,100.00	90.00	360.00	9,408.00	4,690.55	942.26	4,690.55	0.00	0.00	0.00
14,131.24	90.00	360.00	9,408.00	4,721.79	942.26	4,721.79	0.00	0.00	0.00
TD at 14131.24 - BHL[TFWXY#10H]									

BHL[TFWXY#10H] - plan hits target center - Point	0.00	0.00	9,408.00	4,721.79	942.26	471,818.17	563,675.46	32° 17' 49.115 N	104° 7' 38.130 W
FTP[TFWXY#10H] - plan misses target center by 98.25usft at 9500.00usft MD (9322.93 TVD, 106.36 N, 942.47 E) - Point	0.00	0.00	9,408.00	57.64	948.96	467,154.43	563,682.16	32° 17' 2.962 N	104° 7' 38.156 W

2,000.00	2,000.00	0.00	0.00	KOP - Build 2.0° / 100
2,500.00	2,497.47	-7.56	42.86	EOB - HOLD
7,510.00	7,431.35	-158.63	899.62	DROP 2.0° / 100
8,010.00	7,928.82	-166.19	942.48	EOD - HOLD
8,916.22	8,835.04	-166.19	942.48	Curve KOP - Build 10.0° / 100
9,816.22	9,408.00	406.77	942.46	EOC - HOLD
14,131.24	9,408.00	4,721.79	942.26	TD at 14131.24

LOCATION VERIFICATION MAP

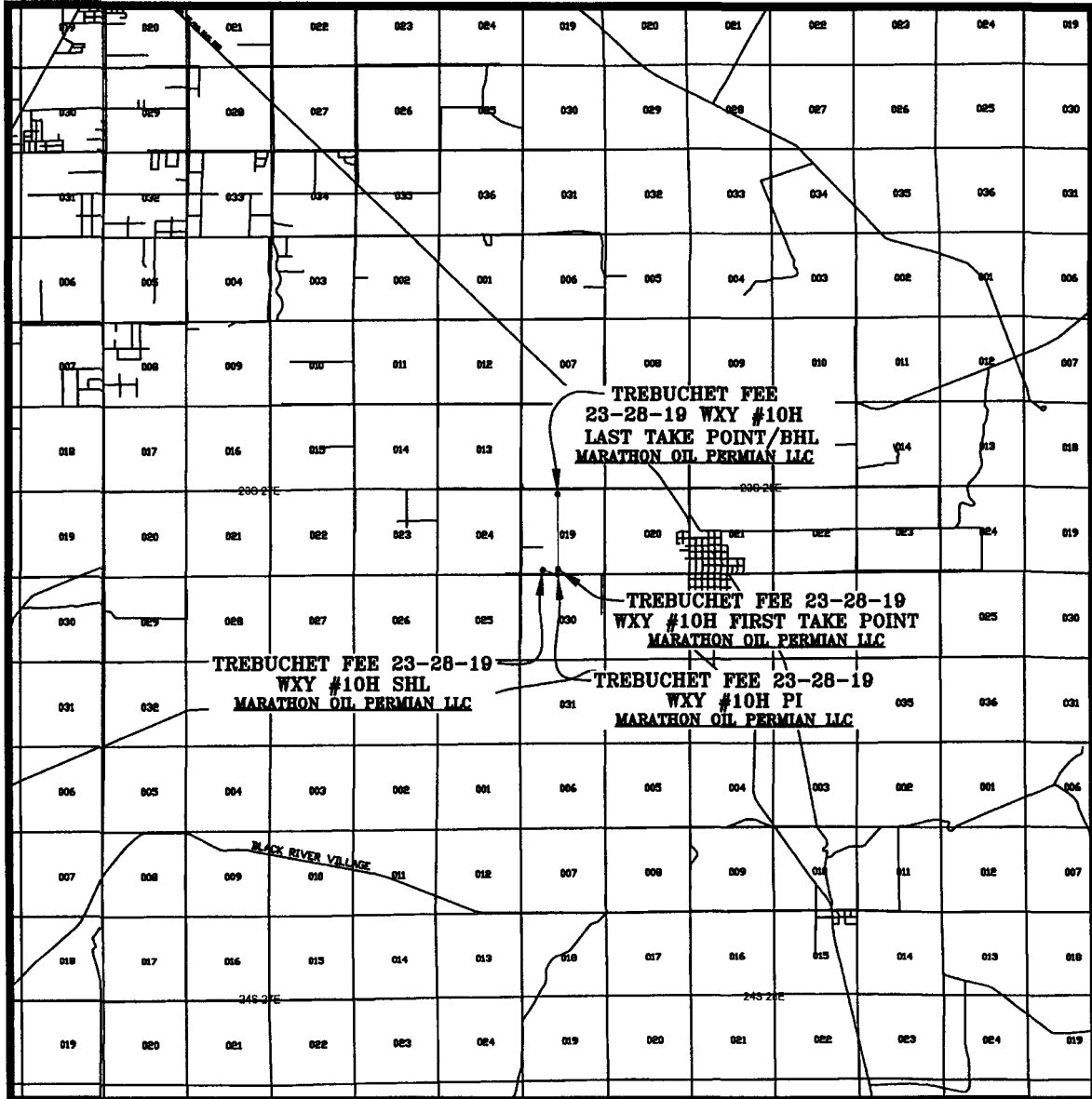


SEC. 19 TWP. 23-S RGE. 28-E
 SURVEY: N.M.P.M.
 COUNTY: EDDY
 DESCRIPTION: 267' FSL & 1371' FWL
 ELEVATION: 3087'
 OPERATOR: MARATHON OIL PERMIAN LLC
 LEASE: TREBUCHET FEE 23-28-19
 U.S.G.S. TOPOGRAPHIC MAP: OTIS, N.M.

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

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-8900 OFFICE
 JOB No. R3796_004

VICINITY MAP



SEC. 19 TWP. 23-S RGE. 28-E
 SURVEY: N.M.P.M.
 COUNTY: EDDY
 DESCRIPTION: 267' FSL & 1371' 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:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-6900 OFFICE
 JOB No. R3796_004