

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

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.
30-015-44613

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 3H

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 D 270 feet from the North line and 850 feet from the West line
Section 19 Township 23S Range 28E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3083'

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: ☐

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 1281' FWL, M-19-T23S-R28E
BHL Updated to 330' FNL 330' FWL, D-19-T23S-R28E
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	9796	8.75	7	29	858	0
Production	14105	6.125	4.5	13.5	541	8696

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 H. Bodany

TITLE

Geologist

DATE

2-7-2018

Conditions of Approval (if any):

EDDY COUNTY, NM (NAD27)
TREBUCHET FEE 23-28-19
WXY #3H
PLAN #1
PRECISION 59L

WELL DETAILS:

4N/5 0.00 4E/4W 0.00
GROUND LEVEL: 5088.00
EASTING 562643.28
NORTHING 467096.80
LATITUDE 32° 17' 2.41" N 104° 7' 30.26" W

SECTION DETAILS

MD	INC	ΔZ	TVD	4N/5	4E/4W	DLEG	TFACE	VBECT	TARGET
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	10.30	260.30	2497.44	-7.55	-42.98	2.30	245.00	-7.50	
5000.00	10.00	260.00	4800.59	-160.14	-968.17	0.00	0.00	-160.21	
7500.00	0.00	0.00	7500.00	-167.99	-951.03	2.30	180.00	-167.78	
9350.00	0.00	0.00	9350.00	-951.31	-951.31	10.30	459.97	406.18	
9796.08	90.30	359.97	9386.00	4714.11	-951.35	0.00	0.00	-4714.02	BHUTFWY#3H

DESIGN TARGET DETAILS

Name	TVD	4N/5	4E/4W	Eastng
BHUTFWY#3H	9386.00	4714.11	-951.35	471810.50
FTPTFWY#3H	9388.00	68.22	-951.21	591892.15

DRILLING TARGET: 9388' @ 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)
GEOMETRIC SYSTEM: US STATE PLANE 1927 (EXACT SOLUTION)
DATUM: NAD 1927 (NADCON CONUS)
ELLIPSOID: CLARKE 1866
ZONE: NEW MEXICO EAST 3001

SYSTEM DATUM: MEAN SEA LEVEL

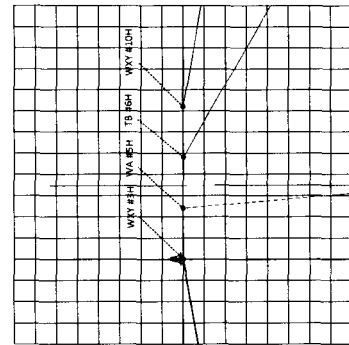
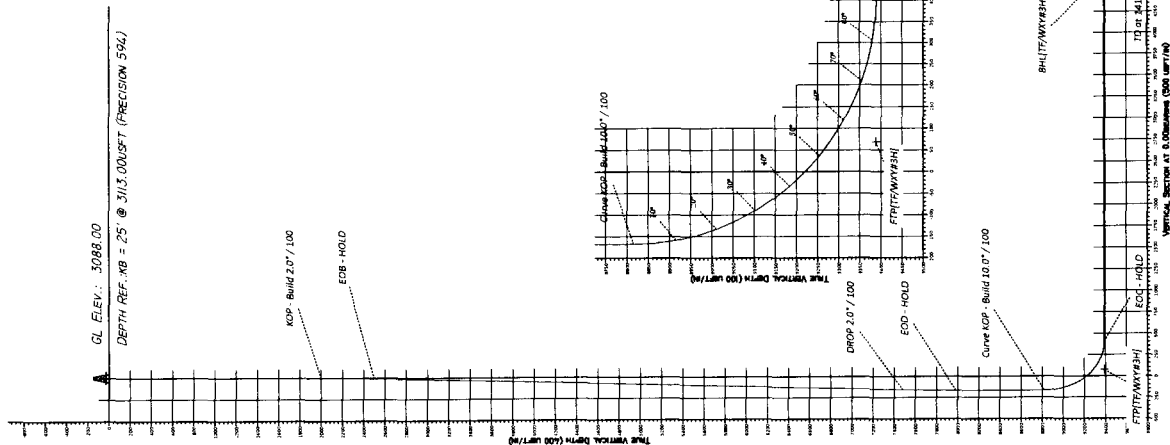
MAP SYSTEM: US STATE PLANE 1927 (EXACT SOLUTION)
DATUM: NAD 1927 (NADCON CONUS)
ELLIPSOID: CLARKE 1866
ZONE: NEW MEXICO EAST 3001
LOCAL ORIGIN: WELL WXY #3H, GRID NORTH

LATITUDE: 32° 17' 2.41" N
LONGITUDE: 104° 7' 30.26" W
GRID EAST: 562643.28
GRID NORTH: 467096.80
SCALE FACTOR: 0.9999

GEOMETRIC MODEL: HOGN
SAMPLE DATE: 02-FEB-8
MAGNETIC DECLINATION: 10.37° E
DIP ANGLE FROM HORIZONTAL: 60.37°
MAGNETIC FIELD STRENGTH: 2.933
TO CONVERT MAGNETIC NORTH TO GRID, ADD 7.21°
TO CONVERT MAGNETIC NORTH TO TRUE, ADD 7.21° EAST
TO CONVERT TRUE NORTH TO GRID, SUBTRACT 0.11°

FORMATION TOP DETAILS

NO FORMATION DATA IS AVAILABLE



Scientific Drilling

Marathon Oil Permian, LLC

Eddy County, NM (NAD27)

Trebuchet Fee 23-28-19

WXY #3H

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 #3H OH Plan #1	Well WXY #3H kb = 25' @ 3113.00usft (Precision 594) kb = 25' @ 3113.00usft (Precision 594) Grid Minimum Curvature
--	---

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

Site: 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 °

WXY #3H					
Well Position	+N-S	0.00 usft	Northing:	467,096.80 usft	Latitude: 32° 17' 2.411 N
	+E-W	0.00 usft	Easting:	562,643.28 usft	Longitude: 104° 7' 50.260 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,088.00 usft

Project Name	Project Number	Project Date	Project Time	Project Location
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	0.01	

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	0.01	2,000.00	0.00	0.00	0.00	0.00	0.00	0.01
2,500.00	10.00	260.00	2,497.47	-7.56	-42.86	2.00	2.00	0.00	260.00
7,560.00	10.00	260.00	7,480.59	-160.14	-908.17	0.00	0.00	0.00	0.00
8,060.00	0.00	0.00	7,978.06	-167.69	-951.03	2.00	-2.00	0.00	180.00
8,896.98	0.00	0.00	8,815.04	-167.69	-951.03	0.00	0.00	0.00	0.00
9,796.98	90.00	359.97	9,388.00	405.26	-951.31	10.00	10.00	0.00	359.97
14,105.83	90.00	359.97	9,388.00	4,714.11	-953.35	0.00	0.00	0.00	0.00 BHL[TF/WXY#3H]

Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 WXY #3H OH Plan #1	Well WXY #3H kb = 25' @ 3113.00usft (Precision 594) kb = 25' @ 3113.00usft (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	260.00	2,099.98	-0.30	-1.72	-0.30	2.00	2.00	0.00
2,200.00	4.00	260.00	2,199.84	-1.21	-6.87	-1.21	2.00	2.00	0.00
2,300.00	6.00	260.00	2,299.45	-2.73	-15.46	-2.73	2.00	2.00	0.00
2,400.00	8.00	260.00	2,398.70	-4.84	-27.46	-4.84	2.00	2.00	0.00
2,500.00	10.00	260.00	2,497.47	-7.56	-42.86	-7.56	2.00	2.00	0.00
EOB - HOLD									
2,600.00	10.00	260.00	2,595.95	-10.57	-59.96	-10.58	0.00	0.00	0.00
2,700.00	10.00	260.00	2,694.43	-13.59	-77.06	-13.60	0.00	0.00	0.00
2,800.00	10.00	260.00	2,792.91	-16.60	-94.16	-16.61	0.00	0.00	0.00
2,900.00	10.00	260.00	2,891.39	-19.62	-111.27	-19.63	0.00	0.00	0.00
3,000.00	10.00	260.00	2,989.87	-22.63	-128.37	-22.65	0.00	0.00	0.00
3,100.00	10.00	260.00	3,088.35	-25.65	-145.47	-25.66	0.00	0.00	0.00
3,200.00	10.00	260.00	3,186.83	-28.67	-162.57	-28.68	0.00	0.00	0.00
3,300.00	10.00	260.00	3,285.31	-31.68	-179.67	-31.70	0.00	0.00	0.00
3,400.00	10.00	260.00	3,383.79	-34.70	-196.77	-34.71	0.00	0.00	0.00
3,500.00	10.00	260.00	3,482.27	-37.71	-213.87	-37.73	0.00	0.00	0.00
3,600.00	10.00	260.00	3,580.75	-40.73	-230.97	-40.75	0.00	0.00	0.00
3,700.00	10.00	260.00	3,679.23	-43.74	-248.07	-43.76	0.00	0.00	0.00
3,800.00	10.00	260.00	3,777.72	-46.76	-265.17	-46.78	0.00	0.00	0.00
3,900.00	10.00	260.00	3,876.20	-49.77	-282.28	-49.80	0.00	0.00	0.00
4,000.00	10.00	260.00	3,974.68	-52.79	-299.38	-52.81	0.00	0.00	0.00
4,100.00	10.00	260.00	4,073.16	-55.80	-316.48	-55.83	0.00	0.00	0.00
4,200.00	10.00	260.00	4,171.64	-58.82	-333.58	-58.85	0.00	0.00	0.00
4,300.00	10.00	260.00	4,270.12	-61.83	-350.68	-61.86	0.00	0.00	0.00
4,400.00	10.00	260.00	4,368.60	-64.85	-367.78	-64.88	0.00	0.00	0.00
4,500.00	10.00	260.00	4,467.08	-67.86	-384.88	-67.90	0.00	0.00	0.00
4,600.00	10.00	260.00	4,565.56	-70.88	-401.98	-70.92	0.00	0.00	0.00
4,700.00	10.00	260.00	4,664.04	-73.90	-419.08	-73.93	0.00	0.00	0.00
4,800.00	10.00	260.00	4,762.52	-76.91	-436.18	-76.95	0.00	0.00	0.00
4,900.00	10.00	260.00	4,861.00	-79.93	-453.29	-79.97	0.00	0.00	0.00
5,000.00	10.00	260.00	4,959.48	-82.94	-470.39	-82.98	0.00	0.00	0.00
5,100.00	10.00	260.00	5,057.97	-85.96	-487.49	-86.00	0.00	0.00	0.00

Planning Report

Midland District
Marathon Oil Permian, LLC
Eddy County, NM (NAD27)
Trebuchet Fee 23-28-19
WXY #3H
OH
Plan #1

Well WXY #3H
kb = 25' @ 3113.00usft (Precision 594)
kb = 25' @ 3113.00usft (Precision 594)
Grid
Minimum Curvature

5,200.00	10.00	260.00	5,156.45	-88.97	-504.59	-89.02	0.00	0.00	0.00
5,300.00	10.00	260.00	5,254.93	-91.99	-521.69	-92.03	0.00	0.00	0.00
5,400.00	10.00	260.00	5,353.41	-95.00	-538.79	-95.05	0.00	0.00	0.00
5,500.00	10.00	260.00	5,451.89	-98.02	-555.89	-98.07	0.00	0.00	0.00
5,600.00	10.00	260.00	5,550.37	-101.03	-572.99	-101.08	0.00	0.00	0.00
5,700.00	10.00	260.00	5,648.85	-104.05	-590.09	-104.10	0.00	0.00	0.00
5,800.00	10.00	260.00	5,747.33	-107.06	-607.19	-107.12	0.00	0.00	0.00
5,900.00	10.00	260.00	5,845.81	-110.08	-624.30	-110.13	0.00	0.00	0.00
6,000.00	10.00	260.00	5,944.29	-113.10	-641.40	-113.15	0.00	0.00	0.00
6,100.00	10.00	260.00	6,042.77	-116.11	-658.50	-116.17	0.00	0.00	0.00
6,200.00	10.00	260.00	6,141.25	-119.13	-675.60	-119.19	0.00	0.00	0.00
6,300.00	10.00	260.00	6,239.73	-122.14	-692.70	-122.20	0.00	0.00	0.00
6,400.00	10.00	260.00	6,338.22	-125.16	-709.80	-125.22	0.00	0.00	0.00
6,500.00	10.00	260.00	6,436.70	-128.17	-726.90	-128.24	0.00	0.00	0.00
6,600.00	10.00	260.00	6,535.18	-131.19	-744.00	-131.25	0.00	0.00	0.00
6,700.00	10.00	260.00	6,633.66	-134.20	-761.10	-134.27	0.00	0.00	0.00
6,800.00	10.00	260.00	6,732.14	-137.22	-778.20	-137.29	0.00	0.00	0.00
6,900.00	10.00	260.00	6,830.62	-140.23	-795.31	-140.30	0.00	0.00	0.00
7,000.00	10.00	260.00	6,929.10	-143.25	-812.41	-143.32	0.00	0.00	0.00
7,100.00	10.00	260.00	7,027.58	-146.26	-829.51	-146.34	0.00	0.00	0.00
7,200.00	10.00	260.00	7,126.06	-149.28	-846.61	-149.35	0.00	0.00	0.00
7,300.00	10.00	260.00	7,224.54	-152.30	-863.71	-152.37	0.00	0.00	0.00
7,400.00	10.00	260.00	7,323.02	-155.31	-880.81	-155.39	0.00	0.00	0.00
7,500.00	10.00	260.00	7,421.50	-158.33	-897.91	-158.40	0.00	0.00	0.00
7,560.00	10.00	260.00	7,480.59	-160.14	-908.17	-160.21	0.00	0.00	0.00
DROP 2.0° / 100									
7,600.00	9.20	260.00	7,520.03	-161.29	-914.74	-161.37	2.00	-2.00	0.00
7,700.00	7.20	260.00	7,619.00	-163.77	-928.79	-163.85	2.00	-2.00	0.00
7,800.00	5.20	260.00	7,718.41	-165.65	-939.42	-165.73	2.00	-2.00	0.00
7,900.00	3.20	260.00	7,818.14	-166.92	-946.63	-167.00	2.00	-2.00	0.00
8,000.00	1.20	260.00	7,918.06	-167.58	-950.41	-167.67	2.00	-2.00	0.00
8,060.00	0.00	0.00	7,978.06	-167.69	-951.03	-167.78	2.00	-2.00	166.67
EOD - HOLD									
8,100.00	0.00	0.00	8,018.06	-167.69	-951.03	-167.78	0.00	0.00	0.00
8,200.00	0.00	0.00	8,118.06	-167.69	-951.03	-167.78	0.00	0.00	0.00
8,300.00	0.00	0.00	8,218.06	-167.69	-951.03	-167.78	0.00	0.00	0.00
8,400.00	0.00	0.00	8,318.06	-167.69	-951.03	-167.78	0.00	0.00	0.00
8,500.00	0.00	0.00	8,418.06	-167.69	-951.03	-167.78	0.00	0.00	0.00
8,600.00	0.00	0.00	8,518.06	-167.69	-951.03	-167.78	0.00	0.00	0.00
8,700.00	0.00	0.00	8,618.06	-167.69	-951.03	-167.78	0.00	0.00	0.00
8,800.00	0.00	0.00	8,718.06	-167.69	-951.03	-167.78	0.00	0.00	0.00
8,896.98	0.00	0.00	8,815.04	-167.69	-951.03	-167.78	0.00	0.00	0.00
Curve KOP - Build 10.0° / 100									
8,900.00	0.30	359.97	8,818.06	-167.68	-951.03	-167.77	10.00	10.00	0.00
8,950.00	5.30	359.97	8,867.98	-165.24	-951.03	-165.32	10.00	10.00	0.00
9,000.00	10.30	359.97	8,917.50	-158.46	-951.04	-158.54	10.00	10.00	0.00
9,050.00	15.30	359.97	8,966.25	-147.38	-951.04	-147.46	10.00	10.00	0.00
9,100.00	20.30	359.97	9,013.84	-132.10	-951.05	-132.18	10.00	10.00	0.00
9,150.00	25.30	359.97	9,059.91	-112.73	-951.06	-112.81	10.00	10.00	0.00
9,200.00	30.30	359.97	9,104.13	-89.42	-951.07	-89.50	10.00	10.00	0.00
9,250.00	35.30	359.97	9,146.14	-62.34	-951.08	-62.42	10.00	10.00	0.00
9,300.00	40.30	359.97	9,185.64	-31.70	-951.10	-31.78	10.00	10.00	0.00
9,350.00	45.30	359.97	9,222.31	2.26	-951.11	2.18	10.00	10.00	0.00

Planning Report

Midland District
Marathon Oil Permian, LLC
Eddy County, NM (NAD27)
Trebuchet Fee 23-28-19
WXY #3H
OH
Plan #1

Well WXY #3H
kb = 25' @ 3113.00usft (Precision 594)
kb = 25' @ 3113.00usft (Precision 594)
Grid
Minimum Curvature

9,400.00	50.30	359.97	9,255.89	39.29	-951.13	39.21	10.00	10.00	0.00
9,450.00	55.30	359.97	9,266.11	79.10	-951.15	79.02	10.00	10.00	0.00
9,495.10	59.81	359.97	9,310.29	117.15	-951.17	117.07	10.00	10.00	0.00
FTP(TF/WXY#3H)									
9,500.00	60.30	359.97	9,312.74	121.40	-951.17	121.32	10.00	10.00	0.00
9,550.00	65.30	359.97	9,335.59	165.86	-951.19	165.78	10.00	10.00	0.00
9,600.00	70.30	359.97	9,354.47	212.14	-951.21	212.06	10.00	10.00	0.00
9,650.00	75.30	359.97	9,369.25	259.89	-951.24	259.80	10.00	10.00	0.00
9,700.00	80.30	359.97	9,379.81	308.74	-951.26	308.66	10.00	10.00	0.00
9,750.00	85.30	359.97	9,386.07	358.33	-951.28	358.25	10.00	10.00	0.00
9,796.98	90.00	359.97	9,388.00	405.26	-951.31	405.18	10.00	10.00	0.00
EOC - HOLD									
9,800.00	90.00	359.97	9,388.00	408.28	-951.31	408.20	0.00	0.00	0.00
9,900.00	90.00	359.97	9,388.00	508.28	-951.35	508.20	0.00	0.00	0.00
10,000.00	90.00	359.97	9,388.00	608.28	-951.40	608.20	0.00	0.00	0.00
10,100.00	90.00	359.97	9,388.00	708.28	-951.45	708.20	0.00	0.00	0.00
10,200.00	90.00	359.97	9,388.00	808.28	-951.50	808.20	0.00	0.00	0.00
10,300.00	90.00	359.97	9,388.00	908.28	-951.54	908.20	0.00	0.00	0.00
10,400.00	90.00	359.97	9,388.00	1,008.28	-951.59	1,008.20	0.00	0.00	0.00
10,500.00	90.00	359.97	9,388.00	1,108.28	-951.64	1,108.20	0.00	0.00	0.00
10,600.00	90.00	359.97	9,388.00	1,208.28	-951.69	1,208.20	0.00	0.00	0.00
10,700.00	90.00	359.97	9,388.00	1,308.28	-951.73	1,308.20	0.00	0.00	0.00
10,800.00	90.00	359.97	9,388.00	1,408.28	-951.78	1,408.20	0.00	0.00	0.00
10,900.00	90.00	359.97	9,388.00	1,508.28	-951.83	1,508.20	0.00	0.00	0.00
11,000.00	90.00	359.97	9,388.00	1,608.28	-951.88	1,608.20	0.00	0.00	0.00
11,100.00	90.00	359.97	9,388.00	1,708.28	-951.92	1,708.20	0.00	0.00	0.00
11,200.00	90.00	359.97	9,388.00	1,808.28	-951.97	1,808.20	0.00	0.00	0.00
11,300.00	90.00	359.97	9,388.00	1,908.28	-952.02	1,908.20	0.00	0.00	0.00
11,400.00	90.00	359.97	9,388.00	2,008.28	-952.07	2,008.20	0.00	0.00	0.00
11,500.00	90.00	359.97	9,388.00	2,108.28	-952.11	2,108.20	0.00	0.00	0.00
11,600.00	90.00	359.97	9,388.00	2,208.28	-952.16	2,208.20	0.00	0.00	0.00
11,700.00	90.00	359.97	9,388.00	2,308.28	-952.21	2,308.20	0.00	0.00	0.00
11,800.00	90.00	359.97	9,388.00	2,408.28	-952.26	2,408.20	0.00	0.00	0.00
11,900.00	90.00	359.97	9,388.00	2,508.28	-952.30	2,508.20	0.00	0.00	0.00
12,000.00	90.00	359.97	9,388.00	2,608.28	-952.35	2,608.20	0.00	0.00	0.00
12,100.00	90.00	359.97	9,388.00	2,708.28	-952.40	2,708.20	0.00	0.00	0.00
12,200.00	90.00	359.97	9,388.00	2,808.28	-952.45	2,808.20	0.00	0.00	0.00
12,300.00	90.00	359.97	9,388.00	2,908.28	-952.49	2,908.20	0.00	0.00	0.00
12,400.00	90.00	359.97	9,388.00	3,008.28	-952.54	3,008.20	0.00	0.00	0.00
12,500.00	90.00	359.97	9,388.00	3,108.28	-952.59	3,108.20	0.00	0.00	0.00
12,600.00	90.00	359.97	9,388.00	3,208.28	-952.64	3,208.20	0.00	0.00	0.00
12,700.00	90.00	359.97	9,388.00	3,308.28	-952.68	3,308.20	0.00	0.00	0.00
12,800.00	90.00	359.97	9,388.00	3,408.28	-952.73	3,408.20	0.00	0.00	0.00
12,900.00	90.00	359.97	9,388.00	3,508.28	-952.78	3,508.20	0.00	0.00	0.00
13,000.00	90.00	359.97	9,388.00	3,608.28	-952.83	3,608.20	0.00	0.00	0.00
13,100.00	90.00	359.97	9,388.00	3,708.28	-952.87	3,708.20	0.00	0.00	0.00
13,200.00	90.00	359.97	9,388.00	3,808.28	-952.92	3,808.20	0.00	0.00	0.00
13,300.00	90.00	359.97	9,388.00	3,908.28	-952.97	3,908.20	0.00	0.00	0.00
13,400.00	90.00	359.97	9,388.00	4,008.28	-953.02	4,008.20	0.00	0.00	0.00
13,500.00	90.00	359.97	9,388.00	4,108.28	-953.06	4,108.20	0.00	0.00	0.00
13,600.00	90.00	359.97	9,388.00	4,208.28	-953.11	4,208.20	0.00	0.00	0.00
13,700.00	90.00	359.97	9,388.00	4,308.28	-953.16	4,308.20	0.00	0.00	0.00
13,800.00	90.00	359.97	9,388.00	4,408.28	-953.21	4,408.20	0.00	0.00	0.00
13,900.00	90.00	359.97	9,388.00	4,508.28	-953.25	4,508.20	0.00	0.00	0.00

Planning Report

Midland District Marathon Oil Permian, LLC Eddy County, NM (NAD27) Trebuchet Fee 23-28-19 WXY #3H OH Plan #1	Well WXY #3H kb = 25' @ 3113.00usft (Precision 594) kb = 25' @ 3113.00usft (Precision 594) Grid Minimum Curvature
--	---

14,000.00	90.00	359.97	9,388.00	4,608.28	-953.30	4,608.20	0.00	0.00	0.00
14,105.83	90.00	359.97	9,388.00	4,714.11	-953.35	4,714.02	0.00	0.00	0.00
TD at 14105.83 - BHL[TF/WXY#3H]									

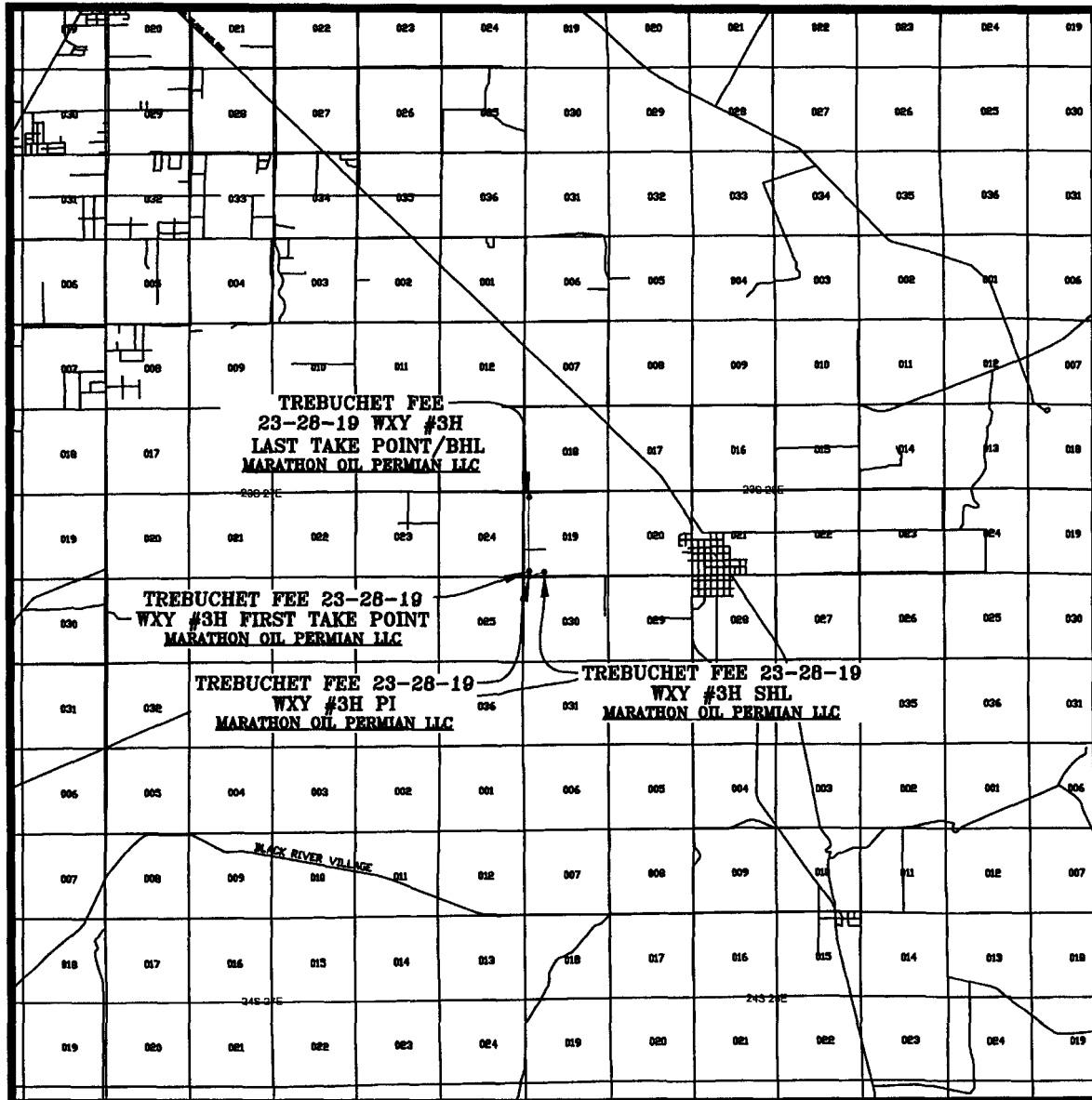
BHL[TF/WXY#3H] - plan hits target center - Point	0.00	0.00	9,388.00	4,714.11	-953.35	471,810.50	561,690.01	32° 17' 49.077 N	104° 8' 1.262 W
FTP[TF/WXY#3H] - plan misses target center by 91.83usft at 9495.10usft MD (9310.29 TVD, 117.15 N, -951.17 E) - Point	0.00	0.00	9,388.00	68.22	-951.21	467,165.01	561,692.15	32° 17' 3.104 N	104° 8' 1.338 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
7,560.00	7,480.59	-160.14	-908.17	DROP 2.0° / 100
8,060.00	7,978.06	-167.69	-951.03	EOD - HOLD
8,896.98	8,815.04	-167.69	-951.03	Curve KOP - Build 10.0° / 100
9,796.98	9,388.00	405.26	-951.31	EOC - HOLD
14,105.83	9,388.00	4,714.11	-953.35	TD at 14105.83

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

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-6900 OFFICE
JOB No. R3796_001

VICINITY MAP



SEC. 19 TWP. 23-S RGE. 28-E

SURVEY: N.M.P.M.

COUNTY: EDDY

DESCRIPTION: 267' FSL & 1281' FWL

ELEVATION: 3088'

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_001