

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 21 2017

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USA

NEW MEXICO

TREBUCHET FEE 23 28 19 (WXY3H,WA5H,TB6H,WXY10H)

TREBUCHET FEE 23 28 19 WXY 10H

30-Q15-44065

TREBUCHET FEE 23 28 19 WXY 10H

Plan: PRELIM A

Survey Report - Geographic

13 December, 2017

Marathon Oil

Survey Report - Geographic

Company:	USA	Local Co-ordinate Reference:	Well TREBUCHET FEE 23 28 19 WXY 10H
Project:	NEW MEXICO	TVD Reference:	RKB @ 3113.5usft
Site:	TREBUCHET FEE 23 28 19 (WXY3H,WA5H,TB6H,WXY10H)	MD Reference:	RKB @ 3113.5usft
Well:	TREBUCHET FEE 23 28 19 WXY 10H	North Reference:	Grid
Wellbore:	TREBUCHET FEE 23 28 19 WXY 10H	Survey Calculation Method:	Minimum Curvature
Design:	PRELIM A	Database:	EDMPROD

Project:	NEW MEXICO		
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:	TREBUCHET FEE 23 28 19 (WXY3H,WA5H,TB6H,WXY10H)			
Site Position:		Northing:	467,096.80 usft	Latitude: 32° 17' 2.410 N
From:	Map	Easting:	562,703.28 usft	Longitude: 104° 7' 49.561 W
Position Uncertainty:	3.3 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.11 °

Well:	TREBUCHET FEE 23 28 19 WXY 10H, WELL 4 OF 4			
Well Position	+N-S	0.0 usft	Northing:	467,096.79 usft
	+E-W	0.0 usft	Easting:	562,733.28 usft
Position Uncertainty		1.1 usft	Wellhead Elevation:	0.0 usft
			Ground Level:	3,087.0 usft

Wellbore:	TREBUCHET FEE 23 28 19 WXY 10H				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	12/13/2017	(°)	(°)	(nT)
			7.16	60.02	47,866

Design:	PRELIM A			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	359.92

Survey Tool Program	Date	12/13/2017		
From:	To:	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
0.0	13,905.2	PRELIM A (TREBUCHET FEE 23 28 19 W)	MWD	OWSG MWD - Standard

Planned Survey									
Measured	Inclination	Azimuth	Vertical			Map	Map		
Depth	(°)	(°)	Depth	+N-S	+E-W	Northing	Easting	Latitude	Longitude
(usft)			(usft)	(usft)	(usft)	(usft)	(usft)		
0.0	0.00	0.00	0.0	0.0	0.0	467,096.79	562,733.28	32° 17' 2.409 N	104° 7' 49.211 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	467,096.79	562,733.28	32° 17' 2.409 N	104° 7' 49.211 W
3,000.0	10.00	86.52	2,997.5	2.6	43.4	467,099.43	562,776.73	32° 17' 2.435 N	104° 7' 48.705 W
7,722.5	10.00	86.52	7,648.3	52.4	862.0	467,149.15	563,595.28	32° 17' 2.911 N	104° 7' 39.169 W
8,722.5	0.00	0.00	8,643.2	57.6	948.9	467,154.43	563,682.16	32° 17' 2.962 N	104° 7' 38.156 W
8,914.3	0.00	0.00	8,835.0	57.6	948.9	467,154.43	563,682.16	32° 17' 2.962 N	104° 7' 38.156 W
9,814.3	90.00	359.92	9,408.0	630.6	948.1	467,727.39	563,681.36	32° 17' 8.632 N	104° 7' 38.153 W
13,905.2	90.00	359.92	9,408.0	4,721.4	942.4	471,818.19	563,675.65	32° 17' 49.116 N	104° 7' 38.128 W

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Checked By: _____	Approved By: _____	Date: _____
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