

**NM OIL CONSERVATION
ARTESIA DISTRICT**

JUN 07 2018

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USA

NEW MEXICO

SWEET TEA STATE 24 29 31 (WD2H/SB4H)

SWEET TEA STATE 24 29 31 SB 4H

SWEET TEA STATE 24 29 31 SB 4H

30-015-45032

Plan: PRELIM A

Survey Report - Geographic

16 May, 2018

Marathon Oil

Survey Report - Geographic

Company: USA	Local Co-ordinate Reference: Well SWEET TEA STATE 24 29 31 SB 4H
Project: NEW MEXICO	TVD Reference: WELL @ 2933.5usft (Original Well Elev)
Site: SWEET TEA STATE 24 29 31 (WD2H/SB4H)	MD Reference: WELL @ 2933.5usft (Original Well Elev)
Well: SWEET TEA STATE 24 29 31 SB 4H	North Reference: Grid
Wellbore: SWEET TEA STATE 24 29 31 SB 4H	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	SWEET TEA STATE 24 29 31 (WD2H/SB4H)				
Site Position:		Northing:	426,778.20 usft	Latitude:	32° 10' 22.669 N
From:	Map	Easting:	594,222.10 usft	Longitude:	104° 1' 43.728 W
Position Uncertainty:	3.3 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.16 °

Well	SWEET TEA STATE 24 29 31 SB 4H, WELL 2 OF 2				
Well Position	+N/-S	0.0 usft	Northing:	426,778.19 usft	Latitude: 32° 10' 22.668 N
	+E/-W	0.0 usft	Easting:	594,252.45 usft	Longitude: 104° 1' 43.375 W
Position Uncertainty		1.1 usft	Wellhead Elevation:	0.0 usft	Ground Level: 2,907.0 usft

Wellbore	SWEET TEA STATE 24 29 31 SB 4H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/16/2018	7.06	59.93	47,769

Design	PRELIM A				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.98	

Survey Tool Program	Date	5/16/2018			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	15,471.4	PRELIM A (SWEET TEA STATE 24 29 31)	MWD	OWSG MWD - Standard	

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	426,778.19	594,252.45	32° 10' 22.668 N	104° 1' 43.375 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	426,778.19	594,252.45	32° 10' 22.668 N	104° 1' 43.375 W
3,166.7	5.00	256.74	3,165.8	-6.7	-28.3	426,771.52	594,224.16	32° 10' 22.603 N	104° 1' 43.705 W
5,862.7	5.00	256.74	5,851.6	-60.6	-257.0	426,717.64	593,995.45	32° 10' 22.076 N	104° 1' 46.368 W
6,362.7	0.00	0.00	6,351.0	-65.5	-278.2	426,712.64	593,974.22	32° 10' 22.028 N	104° 1' 46.615 W
7,820.7	0.00	0.00	7,809.0	-65.5	-278.2	426,712.64	593,974.22	32° 10' 22.028 N	104° 1' 46.615 W
8,720.7	90.00	179.98	8,382.0	-638.5	-278.0	426,139.68	593,974.42	32° 10' 16.357 N	104° 1' 46.631 W
15,471.4	90.00	179.98	8,382.0	-7,389.2	-275.7	419,388.99	593,976.78	32° 9' 9.550 N	104° 1' 46.825 W

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Checked By: _____	Approved By: _____	Date: _____
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