

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 02 2018

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USA

NEW MEXICO

SWEET TEA STATE 24-29-31 (3H, 5H, 6H)

SWEET TEA STATE 24-29-31 WA 5H

SWEET TEA STATE 24-29-31 WA 5H

Plan: Preliminary A

Survey Report - Geographic

25 January, 2018

Marathon Oil

Survey Report - Geographic

Company:	USA	Well:	SWEET TEA STATE 24-29-31 WA 5H
Project:	NEW MEXICO	RKB @	2946.0usft (594)
Site:	SWEET TEA STATE 24-29-31 (3H, 5H, 6H)	RKB @	2946.0usft (594)
Well:	SWEET TEA STATE 24-29-31 WA 5H	Grid	
Wellbore:	SWEET TEA STATE 24-29-31 WA 5H	Minimum Curvature	
Design:	Preliminary A	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 (3H, 5H, 6H)			
Site Position:		Northing:	426,778.18 usft	Latitude:	32° 10' 22.685 N
From:	Map	Easting:	593,667.02 usft	Longitude:	104° 1' 50.187 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.16 °

Well:	SWEET TEA STATE 24-29-31 WA 5H					
Well Position	+N/-S	0.0 usft	Northing:	426,778.18 usft	Latitude:	32° 10' 22.685 N
	+E/-W	0.0 usft	Easting:	593,667.02 usft	Longitude:	104° 1' 50.187 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	2,921.0 usft

Wellbore:	SWEET TEA STATE 24-29-31 WA 5H			
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Magnetic	Grid	Year	Grid	Grid	Grid
IGRF2015	1/24/2018	7.10	59.93	47,800	

Design:	Preliminary A			
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Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0

Vertical Section	Depth from (MO)	Depth from (MO)	Depth from (MO)	Direction
	0.0	0.0	0.0	180.20

Survey	0.0	17,150.2 Preliminary A (SWEET TEA STATE 24-29 MWD)	OWSG MWD - Standard
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Wellbore	Depth from (MO)	Depth from (MO)	Depth from (MO)	Depth from (MO)	Depth from (MO)	Depth from (MO)	Depth from (MO)	Depth from (MO)	Depth from (MO)
0.0	0.00	0.00	0.00	0.00	0.00	426,778.18	593,667.02	32° 10' 22.685 N	104° 1' 50.187 W
3,000.0	0.00	0.00	3,000.0	0.00	0.00	426,778.18	593,667.02	32° 10' 22.685 N	104° 1' 50.187 W
3,400.0	8.00	348.69	3,398.7	27.3	-5.5	426,805.52	593,661.56	32° 10' 22.955 N	104° 1' 50.249 W
3,885.2	8.00	348.69	3,879.1	93.5	-18.7	426,871.73	593,648.31	32° 10' 23.611 N	104° 1' 50.401 W
4,418.5	0.00	0.00	4,410.7	130.0	-26.0	426,908.18	593,641.02	32° 10' 23.972 N	104° 1' 50.485 W
9,298.8	0.00	0.00	9,291.0	130.0	-26.0	426,908.18	593,641.02	32° 10' 23.972 N	104° 1' 50.485 W
10,198.8	90.00	180.00	9,864.0	-443.0	-26.0	426,335.22	593,641.02	32° 10' 18.302 N	104° 1' 50.504 W
17,150.2	90.00	180.00	9,864.0	-7,394.5	-26.0	419,383.73	593,641.02	32° 9' 9.507 N	104° 1' 50.731 W

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Checked By: _____ Approved By: _____ Date: _____