PERMIAN

NW DISTRICT - NM EZ NAD 83
PALMILLO 10 STATE COM PAD (231,331,332)
PALMILLO 10 STATE COM 331H

PALMILLO 10 STATE COM 331H

30-015-45806

Plan: Design #1

Standard Planning Report

25 February, 2019

Database:	PEDM	**Local Co-ordinate Reference:**	Well PALMILLO 10 STATE COM 331H
Company:	PERMIAN	**TVD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Project:	NW DISTRICT - NM EZ NAD 83	**MD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Site:	PALMILLO 10 STATE COM PAD (231,331,332)	**North Reference:**	Grid
Well:	PALMILLO 10 STATE COM 331H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PALMILLO 10 STATE COM 331H		
Design:	Design #1		

Project NW DISTRICT - NM EZ NAD 83

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site PALMILLO 10 STATE COM PAD (231,331,332)

Site Position:		**Northing:**	607,803.00 ft	**Latitude:**	32° 40' 14.764 N
From:	Map	**Easting:**	595,809.90 ft	**Longitude:**	104° 9' 22.724 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	0.10 °

Well PALMILLO 10 STATE COM 331H

Well Position	**+N/-S**	-40.0 ft	**Northing:**	607,763.00 ft	**Latitude:**	32° 40' 14.368 N
	+E/-W	0.1 ft	**Easting:**	595,810.00 ft	**Longitude:**	104° 9' 22.724 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**		**Ground Level:**	3,490.0 ft

Wellbore PALMILLO 10 STATE COM 331H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	12/20/2018	7.28	60.45	48,005.00000000

Design Design #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	263.03

Plan Survey Tool Program **Date** 2/20/2019

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	13,473.7	Design #1 (PALMILLO 10 STATE	MWD+HDGM (MWD)	
				OWSG MWD + HDGM	

Database:	PEDM	**Local Co-ordinate Reference:**	Well PALMILLO 10 STATE COM 331H
Company:	PERMIAN	**TVD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Project:	NW DISTRICT - NM EZ NAD 83	**MD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Site:	PALMILLO 10 STATE COM PAD (231,331,332)	**North Reference:**	Grid
Well:	PALMILLO 10 STATE COM 331H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PALMILLO 10 STATE COM 331H		
Design:	Design #1		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,666.7	10.00	166.49	1,663.3	-56.4	13.6	1.50	1.50	0.00	166.49	
4,246.3	10.00	166.49	4,203.8	-492.0	118.2	0.00	0.00	0.00	0.00	
4,913.0	0.00	0.00	4,867.1	-548.4	131.8	1.50	-1.50	0.00	180.00	
8,114.4	0.00	0.00	8,068.5	-548.4	131.8	0.00	0.00	0.00	0.00	
8,874.1	91.15	269.36	8,545.9	-553.8	-355.2	12.00	12.00	-11.93	269.36	
9,961.1	91.15	269.36	8,524.0	-566.0	-1,442.0	0.00	0.00	0.00	0.00	T2 PALMILLO 10 STA
9,973.2	90.91	269.36	8,523.8	-566.1	-1,454.1	2.00	-2.00	0.00	179.95	
11,470.5	90.91	269.36	8,500.0	-582.9	-2,951.1	0.00	0.00	0.00	0.00	T3 PALMILLO 10 STA
12,979.9	90.91	269.36	8,476.0	-599.8	-4,460.2	0.00	0.00	0.00	0.00	T4 PALMILLO 10 STA
13,005.9	89.98	269.36	8,475.8	-600.1	-4,486.2	3.59	-3.59	0.00	179.97	
13,473.7	89.98	269.36	8,476.0	-605.3	-4,954.0	0.00	0.00	0.00	0.00	BHL PALMILLO 10 S

Database:	PEDM	**Local Co-ordinate Reference:**	Well PALMILLO 10 STATE COM 331H
Company:	PERMIAN	**TVD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Project:	NW DISTRICT - NM EZ NAD 83	**MD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Site:	PALMILLO 10 STATE COM PAD (231,331,332)	**North Reference:**	Grid
Well:	PALMILLO 10 STATE COM 331H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PALMILLO 10 STATE COM 331H		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	1.50	166.49	1,100.0	-1.3	0.3	-0.1	1.50	1.50	0.00
1,200.0	3.00	166.49	1,199.9	-5.1	1.2	-0.6	1.50	1.50	0.00
1,300.0	4.50	166.49	1,299.7	-11.4	2.8	-1.3	1.50	1.50	0.00
1,400.0	6.00	166.49	1,399.3	-20.3	4.9	-2.4	1.50	1.50	0.00
1,500.0	7.50	166.49	1,498.6	-31.8	7.6	-3.7	1.50	1.50	0.00
1,600.0	9.00	166.49	1,597.5	-45.7	11.0	-5.4	1.50	1.50	0.00
1,666.7	10.00	166.49	1,663.3	-56.4	13.6	-6.6	1.50	1.50	0.00
1,700.0	10.00	166.49	1,696.1	-62.1	14.9	-7.3	0.00	0.00	0.00
1,800.0	10.00	166.49	1,794.6	-78.9	19.0	-9.3	0.00	0.00	0.00
1,900.0	10.00	166.49	1,893.1	-95.8	23.0	-11.2	0.00	0.00	0.00
2,000.0	10.00	166.49	1,991.6	-112.7	27.1	-13.2	0.00	0.00	0.00
2,100.0	10.00	166.49	2,090.0	-129.6	31.1	-15.2	0.00	0.00	0.00
2,200.0	10.00	166.49	2,188.5	-146.5	35.2	-17.2	0.00	0.00	0.00
2,300.0	10.00	166.49	2,287.0	-163.4	39.3	-19.2	0.00	0.00	0.00
2,400.0	10.00	166.49	2,385.5	-180.2	43.3	-21.1	0.00	0.00	0.00
2,500.0	10.00	166.49	2,484.0	-197.1	47.4	-23.1	0.00	0.00	0.00
2,600.0	10.00	166.49	2,582.4	-214.0	51.4	-25.1	0.00	0.00	0.00
2,700.0	10.00	166.49	2,680.9	-230.9	55.5	-27.1	0.00	0.00	0.00
2,800.0	10.00	166.49	2,779.4	-247.8	59.5	-29.1	0.00	0.00	0.00
2,900.0	10.00	166.49	2,877.9	-264.7	63.6	-31.0	0.00	0.00	0.00
3,000.0	10.00	166.49	2,976.4	-281.5	67.7	-33.0	0.00	0.00	0.00
3,100.0	10.00	166.49	3,074.8	-298.4	71.7	-35.0	0.00	0.00	0.00
3,200.0	10.00	166.49	3,173.3	-315.3	75.8	-37.0	0.00	0.00	0.00
3,300.0	10.00	166.49	3,271.8	-332.2	79.8	-39.0	0.00	0.00	0.00
3,400.0	10.00	166.49	3,370.3	-349.1	83.9	-40.9	0.00	0.00	0.00
3,500.0	10.00	166.49	3,468.8	-366.0	88.0	-42.9	0.00	0.00	0.00
3,600.0	10.00	166.49	3,567.2	-382.8	92.0	-44.9	0.00	0.00	0.00
3,700.0	10.00	166.49	3,665.7	-399.7	96.1	-46.9	0.00	0.00	0.00
3,800.0	10.00	166.49	3,764.2	-416.6	100.1	-48.9	0.00	0.00	0.00
3,900.0	10.00	166.49	3,862.7	-433.5	104.2	-50.8	0.00	0.00	0.00
4,000.0	10.00	166.49	3,961.2	-450.4	108.2	-52.8	0.00	0.00	0.00
4,100.0	10.00	166.49	4,059.7	-467.3	112.3	-54.8	0.00	0.00	0.00
4,200.0	10.00	166.49	4,158.1	-484.2	116.4	-56.8	0.00	0.00	0.00
4,246.3	10.00	166.49	4,203.8	-492.0	118.2	-57.7	0.00	0.00	0.00
4,300.0	9.20	166.49	4,256.7	-500.7	120.3	-58.7	1.50	-1.50	0.00
4,400.0	7.70	166.49	4,355.6	-515.0	123.8	-60.4	1.50	-1.50	0.00
4,500.0	6.20	166.49	4,454.9	-526.7	126.6	-61.8	1.50	-1.50	0.00
4,600.0	4.70	166.49	4,554.4	-535.9	128.8	-62.9	1.50	-1.50	0.00
4,700.0	3.20	166.49	4,654.2	-542.6	130.4	-63.6	1.50	-1.50	0.00
4,800.0	1.70	166.49	4,754.1	-546.8	131.4	-64.1	1.50	-1.50	0.00
4,900.0	0.20	166.49	4,854.0	-548.4	131.8	-64.3	1.50	-1.50	0.00
4,913.0	0.00	0.00	4,867.1	-548.4	131.8	-64.3	1.50	-1.50	0.00

Database:	PEDM	**Local Co-ordinate Reference:**	Well PALMILLO 10 STATE COM 331H
Company:	PERMIAN	**TVD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Project:	NW DISTRICT - NM EZ NAD 83	**MD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Site:	PALMILLO 10 STATE COM PAD (231,331,332)	**North Reference:**	Grid
Well:	PALMILLO 10 STATE COM 331H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PALMILLO 10 STATE COM 331H		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,000.0	0.00	0.00	4,954.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,100.0	0.00	0.00	5,054.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,200.0	0.00	0.00	5,154.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,254.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,354.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,454.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,554.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,654.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,754.0	-548.4	131.8	-64.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,854.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,954.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,100.0	0.00	0.00	6,054.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,200.0	0.00	0.00	6,154.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,254.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,354.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,454.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,554.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,654.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,754.0	-548.4	131.8	-64.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,854.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,954.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,100.0	0.00	0.00	7,054.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,200.0	0.00	0.00	7,154.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,254.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,354.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,454.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,554.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,654.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,754.0	-548.4	131.8	-64.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,854.0	-548.4	131.8	-64.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,954.0	-548.4	131.8	-64.3	0.00	0.00	0.00
8,100.0	0.00	0.00	8,054.0	-548.4	131.8	-64.3	0.00	0.00	0.00
8,114.4	0.00	0.00	8,068.5	-548.4	131.8	-64.3	0.00	0.00	0.00
8,200.0	10.27	269.36	8,153.6	-548.5	124.2	-56.7	12.00	12.00	0.00
8,300.0	22.27	269.36	8,249.4	-548.8	96.2	-28.9	12.00	12.00	0.00
8,400.0	34.27	269.36	8,337.3	-549.3	48.9	18.1	12.00	12.00	0.00
8,500.0	46.27	269.36	8,413.5	-550.0	-15.6	82.2	12.00	12.00	0.00
8,600.0	58.27	269.36	8,474.6	-550.9	-94.5	160.6	12.00	12.00	0.00
8,700.0	70.27	269.36	8,517.9	-551.9	-184.4	250.0	12.00	12.00	0.00
8,800.0	82.27	269.36	8,541.6	-553.0	-281.4	346.4	12.00	12.00	0.00
8,874.1	91.15	269.36	8,545.9	-553.8	-355.2	419.8	12.00	12.00	0.00
8,900.0	91.15	269.36	8,545.3	-554.1	-381.2	445.6	0.00	0.00	0.00
9,000.0	91.15	269.36	8,543.3	-555.3	-481.2	544.9	0.00	0.00	0.00
9,100.0	91.15	269.36	8,541.3	-556.4	-581.1	644.3	0.00	0.00	0.00
9,200.0	91.15	269.36	8,539.3	-557.5	-681.1	743.7	0.00	0.00	0.00
9,300.0	91.15	269.36	8,537.3	-558.6	-781.1	843.1	0.00	0.00	0.00
9,400.0	91.15	269.36	8,535.3	-559.7	-881.0	942.4	0.00	0.00	0.00
9,500.0	91.15	269.36	8,533.3	-560.9	-981.0	1,041.8	0.00	0.00	0.00
9,600.0	91.15	269.36	8,531.3	-562.0	-1,081.0	1,141.2	0.00	0.00	0.00
9,700.0	91.15	269.36	8,529.3	-563.1	-1,181.0	1,240.5	0.00	0.00	0.00
9,800.0	91.15	269.36	8,527.2	-564.2	-1,280.9	1,339.9	0.00	0.00	0.00
9,900.0	91.15	269.36	8,525.2	-565.3	-1,380.9	1,439.3	0.00	0.00	0.00
9,961.1	91.15	269.36	8,524.0	-566.0	-1,442.0	1,500.0	0.00	0.00	0.00

Database:	PEDM	**Local Co-ordinate Reference:**	Well PALMILLO 10 STATE COM 331H
Company:	PERMIAN	**TVD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Project:	NW DISTRICT - NM EZ NAD 83	**MD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Site:	PALMILLO 10 STATE COM PAD (231,331,332)	**North Reference:**	Grid
Well:	PALMILLO 10 STATE COM 331H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PALMILLO 10 STATE COM 331H		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,973.2	90.91	269.36	8,523.8	-566.1	-1,454.1	1,512.1	2.00	-2.00	0.00
10,000.0	90.91	269.36	8,523.4	-566.4	-1,480.9	1,538.7	0.00	0.00	0.00
10,100.0	90.91	269.36	8,521.8	-567.6	-1,580.9	1,638.0	0.00	0.00	0.00
10,200.0	90.91	269.36	8,520.2	-568.7	-1,680.9	1,737.4	0.00	0.00	0.00
10,300.0	90.91	269.36	8,518.6	-569.8	-1,780.8	1,836.8	0.00	0.00	0.00
10,400.0	90.91	269.36	8,517.0	-570.9	-1,880.8	1,936.2	0.00	0.00	0.00
10,500.0	90.91	269.36	8,515.4	-572.0	-1,980.8	2,035.5	0.00	0.00	0.00
10,600.0	90.91	269.36	8,513.8	-573.2	-2,080.8	2,134.9	0.00	0.00	0.00
10,700.0	90.91	269.36	8,512.2	-574.3	-2,180.8	2,234.3	0.00	0.00	0.00
10,800.0	90.91	269.36	8,510.6	-575.4	-2,280.7	2,333.7	0.00	0.00	0.00
10,900.0	90.91	269.36	8,509.1	-576.5	-2,380.7	2,433.1	0.00	0.00	0.00
11,000.0	90.91	269.36	8,507.5	-577.6	-2,480.7	2,532.4	0.00	0.00	0.00
11,100.0	90.91	269.36	8,505.9	-578.7	-2,580.7	2,631.8	0.00	0.00	0.00
11,200.0	90.91	269.36	8,504.3	-579.9	-2,680.7	2,731.2	0.00	0.00	0.00
11,300.0	90.91	269.36	8,502.7	-581.0	-2,780.6	2,830.6	0.00	0.00	0.00
11,400.0	90.91	269.36	8,501.1	-582.1	-2,880.6	2,930.0	0.00	0.00	0.00
11,470.5	90.91	269.36	8,500.0	-582.9	-2,951.1	3,000.0	0.00	0.00	0.00
11,500.0	90.91	269.36	8,499.5	-583.2	-2,980.6	3,029.3	0.00	0.00	0.00
11,600.0	90.91	269.36	8,497.9	-584.3	-3,080.6	3,128.7	0.00	0.00	0.00
11,700.0	90.91	269.36	8,496.4	-585.5	-3,180.6	3,228.1	0.00	0.00	0.00
11,800.0	90.91	269.36	8,494.8	-586.6	-3,280.5	3,327.5	0.00	0.00	0.00
11,900.0	90.91	269.36	8,493.2	-587.7	-3,380.5	3,426.9	0.00	0.00	0.00
12,000.0	90.91	269.36	8,491.6	-588.8	-3,480.5	3,526.2	0.00	0.00	0.00
12,100.0	90.91	269.36	8,490.0	-589.9	-3,580.5	3,625.6	0.00	0.00	0.00
12,200.0	90.91	269.36	8,488.4	-591.0	-3,680.5	3,725.0	0.00	0.00	0.00
12,300.0	90.91	269.36	8,486.8	-592.2	-3,780.5	3,824.4	0.00	0.00	0.00
12,400.0	90.91	269.36	8,485.2	-593.3	-3,880.4	3,923.7	0.00	0.00	0.00
12,500.0	90.91	269.36	8,483.6	-594.4	-3,980.4	4,023.1	0.00	0.00	0.00
12,600.0	90.91	269.36	8,482.1	-595.5	-4,080.4	4,122.5	0.00	0.00	0.00
12,700.0	90.91	269.36	8,480.5	-596.6	-4,180.4	4,221.9	0.00	0.00	0.00
12,800.0	90.91	269.36	8,478.9	-597.8	-4,280.4	4,321.3	0.00	0.00	0.00
12,900.0	90.91	269.36	8,477.3	-598.9	-4,380.3	4,420.6	0.00	0.00	0.00
12,979.9	90.91	269.36	8,476.0	-599.8	-4,460.2	4,500.0	0.00	0.00	0.00
13,000.0	90.19	269.36	8,475.8	-600.0	-4,480.3	4,520.0	3.59	-3.59	0.00
13,005.9	89.98	269.36	8,475.8	-600.1	-4,486.2	4,525.9	3.59	-3.59	0.00
13,100.0	89.98	269.36	8,475.8	-601.1	-4,580.3	4,619.4	0.00	0.00	0.00
13,200.0	89.98	269.36	8,475.9	-602.2	-4,680.3	4,718.8	0.00	0.00	0.00
13,300.0	89.98	269.36	8,475.9	-603.4	-4,780.3	4,818.2	0.00	0.00	0.00
13,400.0	89.98	269.36	8,476.0	-604.5	-4,880.3	4,917.6	0.00	0.00	0.00
13,473.7	89.98	269.36	8,476.0	-605.3	-4,954.0	4,990.8	0.00	0.00	0.00

Database:	PEDM	**Local Co-ordinate Reference:**	Well PALMILLO 10 STATE COM 331H
Company:	PERMIAN	**TVD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Project:	NW DISTRICT - NM EZ NAD 83	**MD Reference:**	WELL @ 3516.0ft (Original Well Elev)
Site:	PALMILLO 10 STATE COM PAD (231,331,332)	**North Reference:**	Grid
Well:	PALMILLO 10 STATE COM 331H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PALMILLO 10 STATE COM 331H		
Design:	Design #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL PALMILLO 10 STAT - plan hits target center - Point	0.00	0.00	8,476.0	-605.3	-4,954.0	607,157.70	590,856.00	32° 40' 8.456 N	104° 10' 20.693 W
T4 PALMILLO 10 STATE - plan hits target center - Point	0.00	0.00	8,476.0	-599.8	-4,460.2	607,163.22	591,349.82	32° 40' 8.503 N	104° 10' 14.915 W
T3 PALMILLO 10 STATE - plan hits target center - Point	0.00	0.00	8,500.0	-582.9	-2,951.1	607,180.11	592,858.91	32° 40' 8.647 N	104° 9' 57.260 W
T2 PALMILLO 10 STATE - plan hits target center - Point	0.00	0.00	8,524.0	-566.0	-1,442.0	607,196.99	594,368.00	32° 40' 8.790 N	104° 9' 39.605 W