

# PERMIAN

NW DISTRICT - NM EZ NAD 83  
PALMILLO 10 STATE COM PAD (233,334)  
PALMILLO 10 STATE COM 334H

PALMILLO 10 STATE COM 334H

Plan: Design #1

## Standard Planning Report

26 February, 2019

NM OIL CONSERVATION  
ARTESIA DISTRICT

MAR 13 2019

RECEIVED

30.015-45809

Planning Report

<b>Database:</b>	PEDM	<b>Local Co-ordinate Reference:</b>	Well PALMILLO 10 STATE COM 334H
<b>Company:</b>	PERMIAN	<b>TVD Reference:</b>	WELL @ 3518.0ft (Original Well Elev)
<b>Project:</b>	NW DISTRICT - NM EZ NAD 83	<b>MD Reference:</b>	WELL @ 3518.0ft (Original Well Elev)
<b>Site:</b>	PALMILLO 10 STATE COM PAD (233,334)	<b>North Reference:</b>	Grid
<b>Well:</b>	PALMILLO 10 STATE COM 334H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	PALMILLO 10 STATE COM 334H		
<b>Design:</b>	Design #1		

<b>Project</b>	NW DISTRICT - NM EZ NAD 83		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	PALMILLO 10 STATE COM PAD (233,334)				
<b>Site Position:</b>		<b>Northing:</b>	610,131.30 ft	<b>Latitude:</b>	32° 40' 37.803 N
<b>From:</b>	Map	<b>Easting:</b>	595,801.90 ft	<b>Longitude:</b>	104° 9' 22.772 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	0.10 °

<b>Well</b>	PALMILLO 10 STATE COM 334H					
<b>Well Position</b>	<b>+N/-S</b>	-40.0 ft	<b>Northing:</b>	610,091.30 ft	<b>Latitude:</b>	32° 40' 37.407 N
	<b>+E/-W</b>	0.2 ft	<b>Easting:</b>	595,802.10 ft	<b>Longitude:</b>	104° 9' 22.771 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	3,492.0 ft

<b>Wellbore</b>	PALMILLO 10 STATE COM 334H				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM_FILE	12/31/2018	7.28	60.45	48,000.80000000

<b>Design</b>	Design #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	267.08	

<b>Plan Survey Tool Program</b>	<b>Date</b>	2/25/2019			
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.0	13,442.6	Design #1 (PALMILLO 10 STATE MWD+HDGM (MWD) OWSG MWD + HDGM		

Planning Report

<b>Database:</b>	PEDM	<b>Local Co-ordinate Reference:</b>	Well PALMILLO 10 STATE COM 334H
<b>Company:</b>	PERMIAN	<b>TVD Reference:</b>	WELL @ 3518.0ft (Original Well Elev)
<b>Project:</b>	NW DISTRICT - NM EZ NAD 83	<b>MD Reference:</b>	WELL @ 3518.0ft (Original Well Elev)
<b>Site:</b>	PALMILLO 10 STATE COM PAD (233,334)	<b>North Reference:</b>	Grid
<b>Well:</b>	PALMILLO 10 STATE COM 334H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	PALMILLO 10 STATE COM 334H		
<b>Design:</b>	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	
1,400.0	6.00	145.52	1,399.3	-17.2	11.8	1.50	1.50	0.00	145.52	
3,208.2	6.00	145.52	3,197.6	-173.1	118.9	0.00	0.00	0.00	0.00	
3,608.2	0.00	0.00	3,596.9	-190.3	130.7	1.50	-1.50	0.00	180.00	
8,087.9	0.00	0.00	8,076.5	-190.3	130.7	0.00	0.00	0.00	0.00	
8,865.7	93.34	269.29	8,553.2	-196.5	-374.5	12.00	12.00	-11.66	269.29	
9,984.4	93.34	269.29	8,488.0	-210.3	-1,491.2	0.00	0.00	0.00	0.00	T2 PALMILLO 10 STA
10,140.3	90.22	269.30	8,483.2	-212.2	-1,647.1	2.00	-2.00	0.00	179.99	
11,485.6	90.22	269.30	8,478.0	-228.7	-2,992.2	0.00	0.00	0.00	0.00	T3 PALMILLO 10 STA
11,535.6	89.22	269.30	8,478.2	-229.3	-3,042.2	2.00	-2.00	0.00	-179.98	
12,986.8	89.22	269.30	8,498.0	-247.2	-4,493.2	0.00	0.00	0.00	0.00	T4 PALMILLO 10 STA
13,027.7	90.04	269.29	8,498.3	-247.7	-4,534.1	2.00	2.00	0.00	-0.02	
13,442.6	90.04	269.29	8,498.0	-252.8	-4,949.0	0.00	0.00	0.00	0.00	BHL PALMILLO 10 S

Planning Report

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<b>Site:</b>	PALMILLO 10 STATE COM PAD (233,334)	<b>North Reference:</b>	Grid
<b>Well:</b>	PALMILLO 10 STATE COM 334H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	PALMILLO 10 STATE COM 334H		
<b>Design:</b>	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	145.52	1,100.0	-1.1	0.7	-0.7	1.50	1.50	0.00	
1,200.0	3.00	145.52	1,199.9	-4.3	3.0	-2.7	1.50	1.50	0.00	
1,300.0	4.50	145.52	1,299.7	-9.7	6.7	-6.2	1.50	1.50	0.00	
1,400.0	6.00	145.52	1,399.3	-17.2	11.8	-11.0	1.50	1.50	0.00	
1,500.0	6.00	145.52	1,498.7	-25.9	17.8	-16.4	0.00	0.00	0.00	
1,600.0	6.00	145.52	1,598.2	-34.5	23.7	-21.9	0.00	0.00	0.00	
1,700.0	6.00	145.52	1,697.6	-43.1	29.6	-27.4	0.00	0.00	0.00	
1,800.0	6.00	145.52	1,797.1	-51.7	35.5	-32.8	0.00	0.00	0.00	
1,900.0	6.00	145.52	1,896.5	-60.3	41.4	-38.3	0.00	0.00	0.00	
2,000.0	6.00	145.52	1,996.0	-68.9	47.4	-43.8	0.00	0.00	0.00	
2,100.0	6.00	145.52	2,095.4	-77.6	53.3	-49.2	0.00	0.00	0.00	
2,200.0	6.00	145.52	2,194.9	-86.2	59.2	-54.7	0.00	0.00	0.00	
2,300.0	6.00	145.52	2,294.3	-94.8	65.1	-60.2	0.00	0.00	0.00	
2,400.0	6.00	145.52	2,393.8	-103.4	71.0	-65.7	0.00	0.00	0.00	
2,500.0	6.00	145.52	2,493.2	-112.0	76.9	-71.1	0.00	0.00	0.00	
2,600.0	6.00	145.52	2,592.7	-120.6	82.9	-76.6	0.00	0.00	0.00	
2,700.0	6.00	145.52	2,692.1	-129.3	88.8	-82.1	0.00	0.00	0.00	
2,800.0	6.00	145.52	2,791.6	-137.9	94.7	-87.5	0.00	0.00	0.00	
2,900.0	6.00	145.52	2,891.1	-146.5	100.6	-93.0	0.00	0.00	0.00	
3,000.0	6.00	145.52	2,990.5	-155.1	106.5	-98.5	0.00	0.00	0.00	
3,100.0	6.00	145.52	3,090.0	-163.7	112.4	-104.0	0.00	0.00	0.00	
3,200.0	6.00	145.52	3,189.4	-172.3	118.4	-109.4	0.00	0.00	0.00	
3,208.2	6.00	145.52	3,197.6	-173.1	118.9	-109.9	0.00	0.00	0.00	
3,300.0	4.62	145.52	3,289.0	-180.1	123.7	-114.3	1.50	-1.50	0.00	
3,400.0	3.12	145.52	3,388.7	-185.6	127.5	-117.9	1.50	-1.50	0.00	
3,500.0	1.62	145.52	3,488.6	-189.0	129.8	-120.0	1.50	-1.50	0.00	
3,600.0	0.12	145.52	3,588.6	-190.3	130.7	-120.8	1.50	-1.50	0.00	
3,608.2	0.00	0.00	3,596.9	-190.3	130.7	-120.8	1.50	-1.50	0.00	
3,700.0	0.00	0.00	3,688.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,788.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,888.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,000.0	0.00	0.00	3,988.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,088.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,188.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,288.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,388.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,488.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,588.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,688.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,788.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,888.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,988.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,088.6	-190.3	130.7	-120.8	0.00	0.00	0.00	

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<b>Wellbore:</b>	PALMILLO 10 STATE COM 334H		
<b>Design:</b>	Design #1		

Planned Survey										
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5,200.0	0.00	0.00	5,188.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,288.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,388.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,488.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,588.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,688.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,788.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,888.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,988.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,088.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,188.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,288.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,388.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,488.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,588.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,688.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,788.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,888.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,988.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,088.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,188.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,288.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,388.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,488.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,588.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,688.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,788.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,888.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,988.6	-190.3	130.7	-120.8	0.00	0.00	0.00	
8,087.9	0.00	0.00	8,076.5	-190.3	130.7	-120.8	0.00	0.00	0.00	
8,100.0	1.46	269.29	8,088.6	-190.3	130.5	-120.7	12.00	12.00	0.00	
8,200.0	13.46	269.29	8,187.6	-190.5	117.6	-107.7	12.00	12.00	0.00	
8,300.0	25.46	269.29	8,281.7	-190.9	84.3	-74.5	12.00	12.00	0.00	
8,400.0	37.46	269.29	8,366.9	-191.5	32.3	-22.5	12.00	12.00	0.00	
8,500.0	49.46	269.29	8,439.3	-192.4	-36.4	46.2	12.00	12.00	0.00	
8,600.0	61.46	269.29	8,495.9	-193.4	-118.6	128.3	12.00	12.00	0.00	
8,700.0	73.46	269.29	8,534.2	-194.5	-210.8	220.4	12.00	12.00	0.00	
8,800.0	85.46	269.29	8,552.5	-195.7	-308.9	318.5	12.00	12.00	0.00	
8,865.7	93.34	269.29	8,553.2	-196.5	-374.5	384.1	12.00	12.00	0.00	
8,900.0	93.34	269.29	8,551.2	-196.9	-408.8	418.3	0.00	0.00	0.00	
9,000.0	93.34	269.29	8,545.3	-198.2	-508.6	518.1	0.00	0.00	0.00	
9,100.0	93.34	269.29	8,539.5	-199.4	-608.4	617.8	0.00	0.00	0.00	
9,200.0	93.34	269.29	8,533.7	-200.6	-708.3	717.6	0.00	0.00	0.00	
9,300.0	93.34	269.29	8,527.9	-201.9	-808.1	817.3	0.00	0.00	0.00	
9,400.0	93.34	269.29	8,522.0	-203.1	-907.9	917.1	0.00	0.00	0.00	
9,500.0	93.34	269.29	8,516.2	-204.3	-1,007.7	1,016.8	0.00	0.00	0.00	
9,600.0	93.34	269.29	8,510.4	-205.5	-1,107.5	1,116.6	0.00	0.00	0.00	
9,700.0	93.34	269.29	8,504.6	-206.8	-1,207.4	1,216.3	0.00	0.00	0.00	
9,800.0	93.34	269.29	8,498.7	-208.0	-1,307.2	1,316.1	0.00	0.00	0.00	
9,900.0	93.34	269.29	8,492.9	-209.2	-1,407.0	1,415.9	0.00	0.00	0.00	
9,984.4	93.34	269.29	8,488.0	-210.3	-1,491.2	1,500.0	0.00	0.00	0.00	
10,000.0	93.03	269.29	8,487.1	-210.5	-1,506.8	1,515.6	2.00	-2.00	0.00	
10,100.0	91.03	269.30	8,483.6	-211.7	-1,606.8	1,615.5	2.00	-2.00	0.00	
10,140.3	90.22	269.30	8,483.2	-212.2	-1,647.1	1,655.8	2.00	-2.00	0.00	

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<b>Project:</b>	NW DISTRICT - NM EZ NAD 83	<b>MD Reference:</b>	WELL @ 3518.0ft (Original Well Elev)
<b>Site:</b>	PALMILLO 10 STATE COM PAD (233,334)	<b>North Reference:</b>	Grid
<b>Well:</b>	PALMILLO 10 STATE COM 334H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	PALMILLO 10 STATE COM 334H		
<b>Design:</b>	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)
10,200.0	90.22	269.30	8,482.9	-212.9	-1,706.7	1,715.4	0.00	0.00	0.00
10,300.0	90.22	269.30	8,482.5	-214.1	-1,806.7	1,815.3	0.00	0.00	0.00
10,400.0	90.22	269.30	8,482.2	-215.4	-1,906.7	1,915.2	0.00	0.00	0.00
10,500.0	90.22	269.30	8,481.8	-216.6	-2,006.7	2,015.2	0.00	0.00	0.00
10,600.0	90.22	269.30	8,481.4	-217.8	-2,106.7	2,115.1	0.00	0.00	0.00
10,700.0	90.22	269.30	8,481.0	-219.1	-2,206.7	2,215.0	0.00	0.00	0.00
10,800.0	90.22	269.30	8,480.6	-220.3	-2,306.7	2,314.9	0.00	0.00	0.00
10,900.0	90.22	269.30	8,480.2	-221.5	-2,406.7	2,414.9	0.00	0.00	0.00
11,000.0	90.22	269.30	8,479.9	-222.7	-2,506.7	2,514.8	0.00	0.00	0.00
11,100.0	90.22	269.30	8,479.5	-224.0	-2,606.7	2,614.7	0.00	0.00	0.00
11,200.0	90.22	269.30	8,479.1	-225.2	-2,706.7	2,714.6	0.00	0.00	0.00
11,300.0	90.22	269.30	8,478.7	-226.4	-2,806.7	2,814.6	0.00	0.00	0.00
11,400.0	90.22	269.30	8,478.3	-227.7	-2,906.6	2,914.5	0.00	0.00	0.00
11,485.6	90.22	269.30	8,478.0	-228.7	-2,992.2	3,000.0	0.00	0.00	0.00
11,500.0	89.93	269.30	8,478.0	-228.9	-3,006.6	3,014.4	2.00	-2.00	0.00
11,535.6	89.22	269.30	8,478.2	-229.3	-3,042.2	3,049.9	2.00	-2.00	0.00
11,600.0	89.22	269.30	8,479.1	-230.1	-3,106.6	3,114.3	0.00	0.00	0.00
11,700.0	89.22	269.30	8,480.5	-231.4	-3,206.6	3,214.2	0.00	0.00	0.00
11,800.0	89.22	269.30	8,481.8	-232.6	-3,306.6	3,314.2	0.00	0.00	0.00
11,900.0	89.22	269.30	8,483.2	-233.8	-3,406.6	3,414.1	0.00	0.00	0.00
12,000.0	89.22	269.30	8,484.6	-235.0	-3,506.6	3,514.0	0.00	0.00	0.00
12,100.0	89.22	269.30	8,485.9	-236.3	-3,606.5	3,613.9	0.00	0.00	0.00
12,200.0	89.22	269.30	8,487.3	-237.5	-3,706.5	3,713.8	0.00	0.00	0.00
12,300.0	89.22	269.30	8,488.7	-238.7	-3,806.5	3,813.7	0.00	0.00	0.00
12,400.0	89.22	269.30	8,490.0	-240.0	-3,906.5	3,913.6	0.00	0.00	0.00
12,500.0	89.22	269.30	8,491.4	-241.2	-4,006.5	4,013.6	0.00	0.00	0.00
12,600.0	89.22	269.30	8,492.7	-242.4	-4,106.5	4,113.5	0.00	0.00	0.00
12,700.0	89.22	269.30	8,494.1	-243.7	-4,206.4	4,213.4	0.00	0.00	0.00
12,800.0	89.22	269.30	8,495.5	-244.9	-4,306.4	4,313.3	0.00	0.00	0.00
12,900.0	89.22	269.30	8,496.8	-246.1	-4,406.4	4,413.2	0.00	0.00	0.00
12,986.8	89.22	269.30	8,498.0	-247.2	-4,493.2	4,500.0	0.00	0.00	0.00
13,000.0	89.48	269.29	8,498.1	-247.4	-4,506.4	4,513.1	2.00	2.00	0.00
13,027.7	90.04	269.29	8,498.3	-247.7	-4,534.1	4,540.8	2.00	2.00	0.00
13,100.0	90.04	269.29	8,498.2	-248.6	-4,606.4	4,613.1	0.00	0.00	0.00
13,200.0	90.04	269.29	8,498.2	-249.8	-4,706.4	4,713.0	0.00	0.00	0.00
13,300.0	90.04	269.29	8,498.1	-251.0	-4,806.4	4,812.9	0.00	0.00	0.00
13,400.0	90.04	269.29	8,498.0	-252.3	-4,906.4	4,912.8	0.00	0.00	0.00
13,442.6	90.04	269.29	8,498.0	-252.8	-4,949.0	4,955.5	0.00	0.00	0.00

Planning Report

<b>Database:</b>	PEDM	<b>Local Co-ordinate Reference:</b>	Well PALMILLO 10 STATE COM 334H
<b>Company:</b>	PERMIAN	<b>TVD Reference:</b>	WELL @ 3518.0ft (Original Well Elev)
<b>Project:</b>	NW DISTRICT - NM EZ NAD 83	<b>MD Reference:</b>	WELL @ 3518.0ft (Original Well Elev)
<b>Site:</b>	PALMILLO 10 STATE COM PAD (233,334)	<b>North Reference:</b>	Grid
<b>Well:</b>	PALMILLO 10 STATE COM 334H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	PALMILLO 10 STATE COM 334H		
<b>Design:</b>	Design #1		

Design Targets										
Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape		(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
T3 PALMILLO 10 STATE - plan hits target center - Point		0.00	0.00	8,478.0	-228.7	-2,992.2	609,862.58	592,809.87	32° 40' 35.192 N	104° 9' 57.784 W
T2 PALMILLO 10 STATE - plan hits target center - Point		0.00	0.00	8,488.0	-210.3	-1,491.2	609,881.04	594,310.88	32° 40' 35.351 N	104° 9' 40.222 W
BHL PALMILLO 10 STATE - plan hits target center - Point		0.00	0.00	8,498.0	-252.8	-4,949.0	609,838.50	590,853.10	32° 40' 34.984 N	104° 10' 20.679 W
T4 PALMILLO 10 STATE - plan hits target center - Point		0.00	0.00	8,498.0	-247.2	-4,493.2	609,844.11	591,308.86	32° 40' 35.032 N	104° 10' 15.346 W