

30-015-45281

**NM OIL CONSERVATION
ARTESIA DISTRICT**

SEP 28 2018

RECEIVED

PERMIAN

NW DISTRICT - NM EZ NAD 28

PALMILLO 21 STATE PAD (227, 324, 325)

Palmillo 21 State 324H

Palmillo 21 State 324H

Plan: 50' from LL

Standard Planning Report

24 September, 2018

apachecorp
Planning Report

Database: PEDM
Company: PERMIAN
Project: NW DISTRICT - NM EZ NAD 28
Site: PALMILLO 21 STATE PAD (227, 324, 325)
Well: Palmillo 21 State 324H
Wellbore: Palmillo 21 State 324H
Design: 50' from LL

Local Co-ordinate Reference: Well Palmillo 21 State 324H
TVD Reference: WELL @ 3482.0ft (Original Well Elev)
MD Reference: WELL @ 3482.0ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	NW DISTRICT - NM EZ NAD 28		
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 21 STATE PAD (227, 324, 325)		
Site Position:		Northing:	599,759.30 ft
From:	Map	Easting:	585,960.40 ft
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in
		Latitude:	32° 38' 55.316 N
		Longitude:	104° 11' 18.084 W
		Grid Convergence:	0.08 °

Well	Palmillo 21 State 324H		
Well Position	+N/-S	-80.0 ft	Northing: 599,679.30 ft
	+E/-W	-0.2 ft	Easting: 585,960.20 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	0.0 ft
		Latitude:	32° 38' 54.525 N
		Longitude:	104° 11' 18.088 W
		Ground Level:	3,457.0 ft

Wellbore	Palmillo 21 State 324H		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	9/18/2018	7.28
		Dip Angle (°)	60.43
		Field Strength (nT)	48,035

Design	50' from LL		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
		Direction (°)	94.44

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	216.85	1,663.3	-46.4	-34.8	1.50	1.50	0.00	216.85	
4,071.2	10.00	216.85	4,031.3	-380.6	-285.2	0.00	0.00	0.00	0.00	
4,737.8	0.00	0.00	4,694.6	-427.0	-320.0	1.50	-1.50	0.00	180.00	
8,038.8	0.00	0.00	7,995.5	-427.0	-320.0	0.00	0.00	0.00	0.00	
8,788.8	90.00	89.37	8,473.0	-421.7	157.4	12.00	12.00	0.00	89.37	LP Palmillo 21 State 3
9,074.3	90.00	89.37	8,473.0	-418.6	442.9	0.00	0.00	0.00	0.00	T1 Palmillo 21 State 3
9,120.0	89.54	89.37	8,473.1	-418.1	488.7	1.00	-1.00	0.00	-179.91	
10,104.4	89.54	89.37	8,481.0	-407.2	1,472.9	0.00	0.00	0.00	0.00	T2 Palmillo 21 State 3
11,108.3	89.66	89.37	8,488.0	-396.0	2,476.8	0.01	0.01	0.00	0.22	T3 Palmillo 21 State 3
11,131.5	89.43	89.37	8,488.2	-395.8	2,499.9	1.00	-1.00	0.00	-179.94	
12,112.3	89.43	89.37	8,498.0	-384.9	3,480.6	0.00	0.00	0.00	0.00	T4 Palmillo 21 State 3
12,170.8	88.84	89.37	8,498.9	-384.3	3,539.1	1.00	-1.00	0.00	179.94	
13,116.4	88.84	89.37	8,518.0	-373.8	4,484.5	0.00	0.00	0.00	0.00	T5 Palmillo 21 State 3
13,275.5	90.43	89.36	8,519.0	-372.1	4,643.6	1.00	1.00	0.00	-0.06	
13,409.0	90.43	89.36	8,518.0	-370.6	4,777.0	0.00	0.00	0.00	0.00	BHL Palmillo 21 State

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North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	216.85	1,100.0	-1.0	-0.8	-0.7	1.50	1.50	0.00
1,200.0	3.00	216.85	1,199.9	-4.2	-3.1	-2.8	1.50	1.50	0.00
1,300.0	4.50	216.85	1,299.7	-9.4	-7.1	-6.3	1.50	1.50	0.00
1,400.0	6.00	216.85	1,399.3	-16.7	-12.5	-11.2	1.50	1.50	0.00
1,500.0	7.50	216.85	1,498.6	-26.1	-19.6	-17.5	1.50	1.50	0.00
1,600.0	9.00	216.85	1,597.5	-37.6	-28.2	-25.2	1.50	1.50	0.00
1,666.7	10.00	216.85	1,663.3	-46.4	-34.8	-31.1	1.50	1.50	0.00
1,700.0	10.00	216.85	1,696.1	-51.1	-38.3	-34.2	0.00	0.00	0.00
1,800.0	10.00	216.85	1,794.6	-65.0	-48.7	-43.5	0.00	0.00	0.00
1,900.0	10.00	216.85	1,893.1	-78.9	-59.1	-52.8	0.00	0.00	0.00
2,000.0	10.00	216.85	1,991.6	-92.8	-69.5	-62.1	0.00	0.00	0.00
2,100.0	10.00	216.85	2,090.0	-106.7	-79.9	-71.4	0.00	0.00	0.00
2,200.0	10.00	216.85	2,188.5	-120.5	-90.3	-80.7	0.00	0.00	0.00
2,300.0	10.00	216.85	2,287.0	-134.4	-100.8	-90.1	0.00	0.00	0.00
2,400.0	10.00	216.85	2,385.5	-148.3	-111.2	-99.4	0.00	0.00	0.00
2,500.0	10.00	216.85	2,484.0	-162.2	-121.6	-108.7	0.00	0.00	0.00
2,600.0	10.00	216.85	2,582.4	-176.1	-132.0	-118.0	0.00	0.00	0.00
2,700.0	10.00	216.85	2,680.9	-190.0	-142.4	-127.3	0.00	0.00	0.00
2,800.0	10.00	216.85	2,779.4	-203.9	-152.8	-136.6	0.00	0.00	0.00
2,900.0	10.00	216.85	2,877.9	-217.8	-163.2	-145.9	0.00	0.00	0.00
3,000.0	10.00	216.85	2,976.4	-231.7	-173.6	-155.2	0.00	0.00	0.00
3,100.0	10.00	216.85	3,074.8	-245.6	-184.1	-164.5	0.00	0.00	0.00
3,200.0	10.00	216.85	3,173.3	-259.5	-194.5	-173.8	0.00	0.00	0.00
3,300.0	10.00	216.85	3,271.8	-273.4	-204.9	-183.1	0.00	0.00	0.00
3,400.0	10.00	216.85	3,370.3	-287.3	-215.3	-192.4	0.00	0.00	0.00
3,500.0	10.00	216.85	3,468.8	-301.2	-225.7	-201.7	0.00	0.00	0.00
3,600.0	10.00	216.85	3,567.2	-315.1	-236.1	-211.1	0.00	0.00	0.00
3,700.0	10.00	216.85	3,665.7	-329.0	-246.5	-220.4	0.00	0.00	0.00
3,800.0	10.00	216.85	3,764.2	-342.9	-257.0	-229.7	0.00	0.00	0.00
3,900.0	10.00	216.85	3,862.7	-356.8	-267.4	-239.0	0.00	0.00	0.00
4,000.0	10.00	216.85	3,961.2	-370.7	-277.8	-248.3	0.00	0.00	0.00
4,071.2	10.00	216.85	4,031.3	-380.6	-285.2	-254.9	0.00	0.00	0.00
4,100.0	9.57	216.85	4,059.7	-384.5	-288.1	-257.5	1.50	-1.50	0.00
4,200.0	8.07	216.85	4,158.5	-396.7	-297.3	-265.8	1.50	-1.50	0.00
4,300.0	6.57	216.85	4,257.7	-406.9	-305.0	-272.6	1.50	-1.50	0.00
4,400.0	5.07	216.85	4,357.2	-415.1	-311.0	-278.0	1.50	-1.50	0.00
4,500.0	3.57	216.85	4,456.9	-421.1	-315.6	-282.0	1.50	-1.50	0.00
4,600.0	2.07	216.85	4,556.7	-425.0	-318.5	-284.7	1.50	-1.50	0.00
4,700.0	0.57	216.85	4,656.7	-426.8	-319.9	-285.9	1.50	-1.50	0.00
4,737.8	0.00	0.00	4,694.6	-427.0	-320.0	-286.0	1.50	-1.50	0.00
4,800.0	0.00	0.00	4,756.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,856.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,000.0	0.00	0.00	4,956.7	-427.0	-320.0	-286.0	0.00	0.00	0.00

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5,100.0	0.00	0.00	5,056.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,156.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,256.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,356.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,456.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,556.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,656.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,756.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,856.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,956.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,056.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,156.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,256.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,356.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,456.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,556.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,656.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,756.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,856.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,956.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,056.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,156.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,256.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,356.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,456.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,556.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,656.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,756.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,856.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,956.7	-427.0	-320.0	-286.0	0.00	0.00	0.00
8,038.8	0.00	0.00	7,995.5	-427.0	-320.0	-286.0	0.00	0.00	0.00
8,100.0	7.35	89.37	8,056.5	-427.0	-316.1	-282.1	12.00	12.00	0.00
8,200.0	19.35	89.37	8,153.7	-426.7	-293.0	-259.2	12.00	12.00	0.00
8,300.0	31.35	89.37	8,243.9	-426.2	-250.3	-216.6	12.00	12.00	0.00
8,400.0	43.35	89.37	8,323.2	-425.6	-189.8	-156.3	12.00	12.00	0.00
8,500.0	55.35	89.37	8,388.3	-424.7	-114.0	-80.9	12.00	12.00	0.00
8,600.0	67.35	89.37	8,436.1	-423.8	-26.5	6.4	12.00	12.00	0.00
8,700.0	79.35	89.37	8,464.7	-422.7	69.2	101.7	12.00	12.00	0.00
8,788.8	90.00	89.37	8,473.0	-421.7	157.4	189.6	12.00	12.00	0.00
8,800.0	90.00	89.37	8,473.0	-421.6	168.6	200.8	0.00	0.00	0.00
8,900.0	90.00	89.37	8,473.0	-420.5	268.6	300.4	0.00	0.00	0.00
9,000.0	90.00	89.37	8,473.0	-419.4	368.6	400.0	0.00	0.00	0.00
9,074.3	90.00	89.37	8,473.0	-418.6	442.9	474.0	0.00	0.00	0.00
9,100.0	89.74	89.37	8,473.0	-418.3	468.6	499.6	1.00	-1.00	0.00
9,120.0	89.54	89.37	8,473.1	-418.1	488.7	519.5	1.00	-1.00	0.00
9,200.0	89.54	89.37	8,473.8	-417.2	568.6	599.2	0.00	0.00	0.00
9,300.0	89.54	89.37	8,474.6	-416.1	668.6	698.8	0.00	0.00	0.00
9,400.0	89.54	89.37	8,475.4	-415.0	768.6	798.4	0.00	0.00	0.00
9,500.0	89.54	89.37	8,476.2	-413.9	868.6	898.0	0.00	0.00	0.00
9,600.0	89.54	89.37	8,477.0	-412.7	968.6	997.6	0.00	0.00	0.00
9,700.0	89.54	89.37	8,477.8	-411.6	1,068.6	1,097.2	0.00	0.00	0.00
9,800.0	89.54	89.37	8,478.6	-410.5	1,168.6	1,196.8	0.00	0.00	0.00
9,900.0	89.54	89.37	8,479.4	-409.4	1,268.6	1,296.4	0.00	0.00	0.00
10,000.0	89.54	89.37	8,480.2	-408.3	1,368.5	1,396.0	0.00	0.00	0.00

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Planning Report

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Wellbore:	Palmillo 21 State 324H		
Design:	50' from LL		

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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)
10,100.0	89.54	89.37	8,481.0	-407.2	1,468.5	1,495.6	0.00	0.00	0.00
10,104.4	89.54	89.37	8,481.0	-407.2	1,472.9	1,500.0	0.00	0.00	0.00
10,200.0	89.55	89.37	8,481.8	-406.1	1,568.5	1,595.2	0.01	0.01	0.00
10,300.0	89.57	89.37	8,482.5	-405.0	1,668.5	1,694.8	0.01	0.01	0.00
10,400.0	89.58	89.37	8,483.3	-403.9	1,768.5	1,794.4	0.01	0.01	0.00
10,500.0	89.59	89.37	8,484.0	-402.8	1,868.5	1,894.1	0.01	0.01	0.00
10,600.0	89.60	89.37	8,484.7	-401.7	1,968.5	1,993.7	0.01	0.01	0.00
10,700.0	89.61	89.37	8,485.4	-400.6	2,068.5	2,093.3	0.01	0.01	0.00
10,800.0	89.62	89.37	8,486.1	-399.5	2,168.5	2,192.9	0.01	0.01	0.00
10,900.0	89.63	89.37	8,486.7	-398.4	2,268.5	2,292.5	0.01	0.01	0.00
11,000.0	89.65	89.37	8,487.3	-397.2	2,368.5	2,392.1	0.01	0.01	0.00
11,100.0	89.66	89.37	8,488.0	-396.1	2,468.4	2,491.7	0.01	0.01	0.00
11,108.3	89.66	89.37	8,488.0	-396.0	2,476.8	2,500.0	0.01	0.01	0.00
11,131.5	89.43	89.37	8,488.2	-395.8	2,499.9	2,523.1	1.00	-1.00	0.00
11,200.0	89.43	89.37	8,488.9	-395.0	2,568.4	2,591.3	0.00	0.00	0.00
11,300.0	89.43	89.37	8,489.9	-393.9	2,668.4	2,690.9	0.00	0.00	0.00
11,400.0	89.43	89.37	8,490.9	-392.8	2,768.4	2,790.5	0.00	0.00	0.00
11,500.0	89.43	89.37	8,491.9	-391.7	2,868.4	2,890.1	0.00	0.00	0.00
11,600.0	89.43	89.37	8,492.9	-390.6	2,968.4	2,989.7	0.00	0.00	0.00
11,700.0	89.43	89.37	8,493.9	-389.5	3,068.4	3,089.3	0.00	0.00	0.00
11,800.0	89.43	89.37	8,494.9	-388.4	3,168.4	3,188.9	0.00	0.00	0.00
11,900.0	89.43	89.37	8,495.9	-387.3	3,268.4	3,288.5	0.00	0.00	0.00
12,000.0	89.43	89.37	8,496.9	-386.2	3,368.3	3,388.1	0.00	0.00	0.00
12,100.0	89.43	89.37	8,497.9	-385.1	3,468.3	3,487.7	0.00	0.00	0.00
12,112.3	89.43	89.37	8,498.0	-384.9	3,480.6	3,500.0	0.00	0.00	0.00
12,170.8	88.84	89.37	8,498.9	-384.3	3,539.1	3,558.3	1.00	-1.00	0.00
12,200.0	88.84	89.37	8,499.5	-384.0	3,568.3	3,587.3	0.00	0.00	0.00
12,300.0	88.84	89.37	8,501.5	-382.9	3,668.3	3,686.9	0.00	0.00	0.00
12,400.0	88.84	89.37	8,503.5	-381.8	3,768.3	3,786.5	0.00	0.00	0.00
12,500.0	88.84	89.37	8,505.5	-380.7	3,868.2	3,886.1	0.00	0.00	0.00
12,600.0	88.84	89.37	8,507.6	-379.5	3,968.2	3,985.7	0.00	0.00	0.00
12,700.0	88.84	89.37	8,509.6	-378.4	4,068.2	4,085.3	0.00	0.00	0.00
12,800.0	88.84	89.37	8,511.6	-377.3	4,168.2	4,184.9	0.00	0.00	0.00
12,900.0	88.84	89.37	8,513.6	-376.2	4,268.1	4,284.4	0.00	0.00	0.00
13,000.0	88.84	89.37	8,515.6	-375.1	4,368.1	4,384.0	0.00	0.00	0.00
13,100.0	88.84	89.37	8,517.7	-374.0	4,468.1	4,483.6	0.00	0.00	0.00
13,116.4	88.84	89.37	8,518.0	-373.8	4,484.5	4,500.0	0.00	0.00	0.00
13,200.0	89.68	89.37	8,519.1	-372.9	4,568.1	4,583.2	1.00	1.00	0.00
13,275.5	90.43	89.36	8,519.0	-372.1	4,643.6	4,658.5	1.00	1.00	0.00
13,300.0	90.43	89.36	8,518.8	-371.8	4,668.1	4,682.8	0.00	0.00	0.00
13,400.0	90.43	89.36	8,518.1	-370.7	4,768.0	4,782.4	0.00	0.00	0.00
13,409.0	90.43	89.36	8,518.0	-370.6	4,777.0	4,791.4	0.00	0.00	0.00

apachecorp
Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well Palmillo 21 State 324H
Company:	PERMIAN	TVD Reference:	WELL @ 3482.0ft (Original Well Elev)
Project:	NW DISTRICT - NM EZ NAD 28	MD Reference:	WELL @ 3482.0ft (Original Well Elev)
Site:	PALMILLO 21 STATE PAD (227, 324, 325)	North Reference:	Grid
Well:	Palmillo 21 State 324H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Palmillo 21 State 324H		
Design:	50' from LL		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
T1 Palmillo 21 State 324	0.00	0.00	8,473.0	-418.6	442.9	599,260.74	586,403.15	32° 38' 50.377 N	104° 11' 12.914 W
- plan hits target center									
- Point									
LP Palmillo 21 State 324	0.00	0.00	8,473.0	-421.7	157.4	599,257.58	586,117.64	32° 38' 50.350 N	104° 11' 16.253 W
- plan hits target center									
- Point									
T2 Palmillo 21 State 324	0.00	0.00	8,481.0	-407.2	1,472.9	599,272.14	587,433.12	32° 38' 50.476 N	104° 11' 0.867 W
- plan hits target center									
- Point									
T3 Palmillo 21 State 324	0.00	0.00	8,488.0	-396.0	2,476.8	599,283.25	588,436.99	32° 38' 50.571 N	104° 10' 49.125 W
- plan hits target center									
- Point									
T4 Palmillo 21 State 324	0.00	0.00	8,498.0	-384.9	3,480.6	599,294.36	589,440.85	32° 38' 50.667 N	104° 10' 37.384 W
- plan hits target center									
- Point									
T5 Palmillo 21 State 324	0.00	0.00	8,518.0	-373.8	4,484.5	599,305.46	590,444.72	32° 38' 50.762 N	104° 10' 25.642 W
- plan hits target center									
- Point									
BHL Palmillo 21 State 324	0.00	0.00	8,518.0	-370.6	4,777.0	599,308.70	590,737.20	32° 38' 50.790 N	104° 10' 22.221 W
- plan hits target center									
- Point									