

# **US ROCKIES REGION PLANNING**

**COLORADO NORTHERN ZONE - 83**

**WELD\_RATTLER PAD 2**

**RATTLER 4C-34HZ**

**RATTLER 4C-34HZ**

**Plan: RATTLER 4C-34HZ (wp01)**

## **Standard Planning Report**

**25 October, 2011**



# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well RATTLER 4C-34HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	17' RKB + 4967' GL @ 4984.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	17' RKB + 4967' GL @ 4984.00ft
<b>Site:</b>	WELD_RATTLER PAD 2	<b>North Reference:</b>	True
<b>Well:</b>	RATTLER 4C-34HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	RATTLER 4C-34HZ		
<b>Design:</b>	RATTLER 4C-34HZ (wp01)		

<b>Project</b>	COLORADO NORTHERN ZONE - 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>	Colorado Northern Zone		

<b>Site</b>	WELD_RATTLER PAD 2			
<b>Site Position:</b>		<b>Northing:</b>	1,307,389.22 usft	<b>Latitude:</b> 40.174881
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,203,684.99 usft	<b>Longitude:</b> -104.771075
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b> 0.47 °

<b>Well</b>	RATTLER 4C-34HZ			
<b>Well Position</b>	<b>+N/-S</b>	0.72 ft	<b>Northing:</b>	1,307,390.43 usft
	<b>+E/-W</b>	59.80 ft	<b>Easting:</b>	3,203,744.79 usft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b> 4,967.00 ft

<b>Wellbore</b>	RATTLER 4C-34HZ				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	10/25/2011	8.80	66.86	52,973

<b>Design</b>	RATTLER 4C-34HZ (wp01)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	3.46

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,050.00	0.00	0.00	1,050.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,205.24	3.10	117.06	1,205.17	-1.91	3.74	2.00	2.00	0.00	117.06	
6,845.86	3.10	117.06	6,837.51	-140.91	275.81	0.00	0.00	0.00	0.00	
7,758.11	89.80	359.80	7,424.00	430.00	302.00	10.00	9.50	-12.85	-117.24	
7,769.12	89.79	359.69	7,424.04	441.01	301.95	1.00	-0.07	-1.00	-94.18	
11,942.94	89.79	359.69	7,439.00	4,614.74	279.38	0.00	0.00	0.00	0.00	RATTLER 4C-34HZ E

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<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	17' RKB + 4967' GL @ 4984.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	17' RKB + 4967' GL @ 4984.00ft
<b>Site:</b>	WELD_RATTLER PAD 2	<b>North Reference:</b>	True
<b>Well:</b>	RATTLER 4C-34HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	RATTLER 4C-34HZ		
<b>Design:</b>	RATTLER 4C-34HZ (wp01)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,050.00	0.00	0.00	1,050.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,100.00	1.00	117.06	1,100.00	-0.20	0.39	-0.17	2.00	2.00	0.00
1,200.00	3.00	117.06	1,199.93	-1.79	3.50	-1.57	2.00	2.00	0.00
1,205.24	3.10	117.06	1,205.17	-1.91	3.74	-1.68	2.00	2.00	0.00
Start 5640.62 hold at 1205.24 MD									
1,300.00	3.10	117.06	1,299.78	-4.25	8.32	-3.74	0.00	0.00	0.00
1,400.00	3.10	117.06	1,399.64	-6.71	13.14	-5.91	0.00	0.00	0.00
1,500.00	3.10	117.06	1,499.49	-9.18	17.96	-8.07	0.00	0.00	0.00
1,600.00	3.10	117.06	1,599.34	-11.64	22.79	-10.24	0.00	0.00	0.00
1,700.00	3.10	117.06	1,699.20	-14.10	27.61	-12.41	0.00	0.00	0.00
1,800.00	3.10	117.06	1,799.05	-16.57	32.43	-14.58	0.00	0.00	0.00
1,900.00	3.10	117.06	1,898.90	-19.03	37.26	-16.75	0.00	0.00	0.00
2,000.00	3.10	117.06	1,998.76	-21.50	42.08	-18.92	0.00	0.00	0.00
2,100.00	3.10	117.06	2,098.61	-23.96	46.90	-21.08	0.00	0.00	0.00
2,200.00	3.10	117.06	2,198.46	-26.43	51.73	-23.25	0.00	0.00	0.00
2,300.00	3.10	117.06	2,298.32	-28.89	56.55	-25.42	0.00	0.00	0.00
2,400.00	3.10	117.06	2,398.17	-31.35	61.37	-27.59	0.00	0.00	0.00
2,500.00	3.10	117.06	2,498.02	-33.82	66.20	-29.76	0.00	0.00	0.00
2,600.00	3.10	117.06	2,597.88	-36.28	71.02	-31.92	0.00	0.00	0.00
2,608.14	3.10	117.06	2,606.00	-36.48	71.41	-32.10	0.00	0.00	0.00
PARKMAN									
2,700.00	3.10	117.06	2,697.73	-38.75	75.84	-34.09	0.00	0.00	0.00
2,800.00	3.10	117.06	2,797.58	-41.21	80.67	-36.26	0.00	0.00	0.00
2,900.00	3.10	117.06	2,897.44	-43.67	85.49	-38.43	0.00	0.00	0.00
3,000.00	3.10	117.06	2,997.29	-46.14	90.31	-40.60	0.00	0.00	0.00
3,100.00	3.10	117.06	3,097.14	-48.60	95.14	-42.76	0.00	0.00	0.00
3,200.00	3.10	117.06	3,197.00	-51.07	99.96	-44.93	0.00	0.00	0.00
3,300.00	3.10	117.06	3,296.85	-53.53	104.78	-47.10	0.00	0.00	0.00
3,400.00	3.10	117.06	3,396.70	-56.00	109.61	-49.27	0.00	0.00	0.00
3,500.00	3.10	117.06	3,496.56	-58.46	114.43	-51.44	0.00	0.00	0.00
3,600.00	3.10	117.06	3,596.41	-60.92	119.25	-53.61	0.00	0.00	0.00
3,700.00	3.10	117.06	3,696.26	-63.39	124.08	-55.77	0.00	0.00	0.00
3,800.00	3.10	117.06	3,796.12	-65.85	128.90	-57.94	0.00	0.00	0.00
3,900.00	3.10	117.06	3,895.97	-68.32	133.72	-60.11	0.00	0.00	0.00
4,000.00	3.10	117.06	3,995.82	-70.78	138.55	-62.28	0.00	0.00	0.00
4,100.00	3.10	117.06	4,095.67	-73.24	143.37	-64.45	0.00	0.00	0.00
4,200.00	3.10	117.06	4,195.53	-75.71	148.19	-66.61	0.00	0.00	0.00
4,300.00	3.10	117.06	4,295.38	-78.17	153.02	-68.78	0.00	0.00	0.00
4,400.00	3.10	117.06	4,395.23	-80.64	157.84	-70.95	0.00	0.00	0.00
4,413.79	3.10	117.06	4,409.00	-80.98	158.50	-71.25	0.00	0.00	0.00

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<b>Site:</b>	WELD_RATTLER PAD 2	<b>North Reference:</b>	True
<b>Well:</b>	RATTLER 4C-34HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	RATTLER 4C-34HZ		
<b>Design:</b>	RATTLER 4C-34HZ (wp01)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
<b>SUSSEX</b>									
4,500.00	3.10	117.06	4,495.09	-83.10	162.66	-73.12	0.00	0.00	0.00
4,600.00	3.10	117.06	4,594.94	-85.56	167.49	-75.29	0.00	0.00	0.00
4,700.00	3.10	117.06	4,694.79	-88.03	172.31	-77.46	0.00	0.00	0.00
4,800.00	3.10	117.06	4,794.65	-90.49	177.13	-79.62	0.00	0.00	0.00
4,900.00	3.10	117.06	4,894.50	-92.96	181.96	-81.79	0.00	0.00	0.00
5,000.00	3.10	117.06	4,994.35	-95.42	186.78	-83.96	0.00	0.00	0.00
5,100.00	3.10	117.06	5,094.21	-97.89	191.60	-86.13	0.00	0.00	0.00
5,200.00	3.10	117.06	5,194.06	-100.35	196.43	-88.30	0.00	0.00	0.00
5,300.00	3.10	117.06	5,293.91	-102.81	201.25	-90.46	0.00	0.00	0.00
5,400.00	3.10	117.06	5,393.77	-105.28	206.07	-92.63	0.00	0.00	0.00
5,500.00	3.10	117.06	5,493.62	-107.74	210.90	-94.80	0.00	0.00	0.00
5,600.00	3.10	117.06	5,593.47	-110.21	215.72	-96.97	0.00	0.00	0.00
5,700.00	3.10	117.06	5,693.33	-112.67	220.54	-99.14	0.00	0.00	0.00
5,800.00	3.10	117.06	5,793.18	-115.13	225.37	-101.31	0.00	0.00	0.00
5,900.00	3.10	117.06	5,893.03	-117.60	230.19	-103.47	0.00	0.00	0.00
6,000.00	3.10	117.06	5,992.89	-120.06	235.01	-105.64	0.00	0.00	0.00
6,100.00	3.10	117.06	6,092.74	-122.53	239.84	-107.81	0.00	0.00	0.00
6,200.00	3.10	117.06	6,192.59	-124.99	244.66	-109.98	0.00	0.00	0.00
6,300.00	3.10	117.06	6,292.45	-127.46	249.48	-112.15	0.00	0.00	0.00
6,400.00	3.10	117.06	6,392.30	-129.92	254.31	-114.31	0.00	0.00	0.00
6,500.00	3.10	117.06	6,492.15	-132.38	259.13	-116.48	0.00	0.00	0.00
6,600.00	3.10	117.06	6,592.01	-134.85	263.95	-118.65	0.00	0.00	0.00
6,700.00	3.10	117.06	6,691.86	-137.31	268.78	-120.82	0.00	0.00	0.00
6,800.00	3.10	117.06	6,791.71	-139.78	273.60	-122.99	0.00	0.00	0.00
6,845.86	3.10	117.06	6,837.51	-140.91	275.81	-123.98	0.00	0.00	0.00
<b>Start DLS 10.00 TFO -117.24</b>									
6,900.00	4.85	34.40	6,891.55	-139.68	278.41	-122.60	10.00	3.23	-152.69
7,000.00	14.26	10.73	6,990.08	-124.06	283.11	-106.72	10.00	9.40	-23.67
7,100.00	24.14	5.97	7,084.41	-91.54	287.53	-74.00	10.00	9.88	-4.76
7,151.04	29.22	4.74	7,130.00	-68.73	289.65	-51.10	10.00	9.94	-2.41
<b>SHARON SPRINGS</b>									
7,200.00	34.09	3.88	7,171.66	-43.12	291.56	-25.42	10.00	9.96	-1.76
7,233.70	37.45	3.40	7,199.00	-23.46	292.81	-5.72	10.00	9.97	-1.41
<b>NIOBRARA A</b>									
7,265.89	40.66	3.01	7,224.00	-3.21	293.94	14.56	10.00	9.97	-1.21
<b>NIOBRARA B</b>									
7,300.00	44.06	2.65	7,249.20	19.74	295.07	37.53	10.00	9.97	-1.06
7,316.66	45.72	2.49	7,261.00	31.48	295.60	49.29	10.00	9.98	-0.97
<b>NIOBRARA C</b>									
7,400.00	54.04	1.79	7,314.66	95.11	297.95	112.95	10.00	9.98	-0.83
7,500.00	64.02	1.14	7,366.05	180.72	300.12	198.53	10.00	9.98	-0.66
7,583.38	72.35	0.67	7,397.00	258.05	301.33	275.79	10.00	9.99	-0.56
<b>FORT HAYS</b>									
7,593.06	73.32	0.62	7,399.86	267.30	301.43	285.03	10.00	9.99	-0.53
<b>RATTLER 4C-34HZ heel</b>									
7,600.00	74.01	0.58	7,401.81	273.96	301.50	291.68	10.00	9.99	-0.52
7,684.27	82.43	0.16	7,419.00	356.38	302.03	373.98	10.00	9.99	-0.50
<b>CODELL</b>									
7,700.00	84.00	0.08	7,420.86	372.00	302.06	389.57	10.00	9.99	-0.49
7,758.11	89.80	359.80	7,424.00	430.00	302.00	447.47	10.00	9.99	-0.48
<b>Start DLS 1.00 TFO -94.18 - 7"</b>									

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<b>Site:</b>	WELD_RATTLER PAD 2	<b>North Reference:</b>	True
<b>Well:</b>	RATTLER 4C-34HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	RATTLER 4C-34HZ		
<b>Design:</b>	RATTLER 4C-34HZ (wp01)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,769.12	89.79	359.69	7,424.04	441.01	301.95	458.45	1.00	-0.07	-1.00
Start 4173.82 hold at 7769.12 MD									
7,800.00	89.79	359.69	7,424.15	471.89	301.78	489.26	0.00	0.00	0.00
7,900.00	89.79	359.69	7,424.51	571.89	301.24	589.05	0.00	0.00	0.00
8,000.00	89.79	359.69	7,424.87	671.89	300.70	688.83	0.00	0.00	0.00
8,100.00	89.79	359.69	7,425.22	771.88	300.16	788.61	0.00	0.00	0.00
8,200.00	89.79	359.69	7,425.58	871.88	299.62	888.39	0.00	0.00	0.00
8,300.00	89.79	359.69	7,425.94	971.88	299.08	988.18	0.00	0.00	0.00
8,400.00	89.79	359.69	7,426.30	1,071.88	298.54	1,087.96	0.00	0.00	0.00
8,500.00	89.79	359.69	7,426.66	1,171.88	298.00	1,187.74	0.00	0.00	0.00
8,600.00	89.79	359.69	7,427.02	1,271.87	297.46	1,287.52	0.00	0.00	0.00
8,700.00	89.79	359.69	7,427.38	1,371.87	296.92	1,387.31	0.00	0.00	0.00
8,800.00	89.79	359.69	7,427.73	1,471.87	296.38	1,487.09	0.00	0.00	0.00
8,900.00	89.79	359.69	7,428.09	1,571.87	295.84	1,586.87	0.00	0.00	0.00
9,000.00	89.79	359.69	7,428.45	1,671.86	295.30	1,686.65	0.00	0.00	0.00
9,100.00	89.79	359.69	7,428.81	1,771.86	294.76	1,786.44	0.00	0.00	0.00
9,200.00	89.79	359.69	7,429.17	1,871.86	294.21	1,886.22	0.00	0.00	0.00
9,300.00	89.79	359.69	7,429.53	1,971.86	293.67	1,986.00	0.00	0.00	0.00
9,400.00	89.79	359.69	7,429.88	2,071.86	293.13	2,085.78	0.00	0.00	0.00
9,500.00	89.79	359.69	7,430.24	2,171.85	292.59	2,185.57	0.00	0.00	0.00
9,600.00	89.79	359.69	7,430.60	2,271.85	292.05	2,285.35	0.00	0.00	0.00
9,700.00	89.79	359.69	7,430.96	2,371.85	291.51	2,385.13	0.00	0.00	0.00
9,800.00	89.79	359.69	7,431.32	2,471.85	290.97	2,484.91	0.00	0.00	0.00
9,900.00	89.79	359.69	7,431.68	2,571.85	290.43	2,584.70	0.00	0.00	0.00
10,000.00	89.79	359.69	7,432.04	2,671.84	289.89	2,684.48	0.00	0.00	0.00
10,100.00	89.79	359.69	7,432.39	2,771.84	289.35	2,784.26	0.00	0.00	0.00
10,200.00	89.79	359.69	7,432.75	2,871.84	288.81	2,884.04	0.00	0.00	0.00
10,300.00	89.79	359.69	7,433.11	2,971.84	288.27	2,983.83	0.00	0.00	0.00
10,400.00	89.79	359.69	7,433.47	3,071.84	287.73	3,083.61	0.00	0.00	0.00
10,500.00	89.79	359.69	7,433.83	3,171.83	287.19	3,183.39	0.00	0.00	0.00
10,600.00	89.79	359.69	7,434.19	3,271.83	286.64	3,283.17	0.00	0.00	0.00
10,700.00	89.79	359.69	7,434.54	3,371.83	286.10	3,382.96	0.00	0.00	0.00
10,800.00	89.79	359.69	7,434.90	3,471.83	285.56	3,482.74	0.00	0.00	0.00
10,900.00	89.79	359.69	7,435.26	3,571.82	285.02	3,582.52	0.00	0.00	0.00
11,000.00	89.79	359.69	7,435.62	3,671.82	284.48	3,682.30	0.00	0.00	0.00
11,100.00	89.79	359.69	7,435.98	3,771.82	283.94	3,782.09	0.00	0.00	0.00
11,200.00	89.79	359.69	7,436.34	3,871.82	283.40	3,881.87	0.00	0.00	0.00
11,300.00	89.79	359.69	7,436.70	3,971.82	282.86	3,981.65	0.00	0.00	0.00
11,400.00	89.79	359.69	7,437.05	4,071.81	282.32	4,081.43	0.00	0.00	0.00
11,500.00	89.79	359.69	7,437.41	4,171.81	281.78	4,181.22	0.00	0.00	0.00
11,600.00	89.79	359.69	7,437.77	4,271.81	281.24	4,281.00	0.00	0.00	0.00
11,700.00	89.79	359.69	7,438.13	4,371.81	280.70	4,380.78	0.00	0.00	0.00
11,800.00	89.79	359.69	7,438.49	4,471.81	280.16	4,480.56	0.00	0.00	0.00
11,900.00	89.79	359.69	7,438.85	4,571.80	279.62	4,580.35	0.00	0.00	0.00
11,942.94	89.79	359.69	7,439.00	4,614.74	279.38	4,623.19	0.00	0.00	0.00
TD at 11942.94 - RATTLER 4C-34HZ BHL									

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well RATTLER 4C-34HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	17' RKB + 4967' GL @ 4984.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	17' RKB + 4967' GL @ 4984.00ft
<b>Site:</b>	WELD_RATTLER PAD 2	<b>North Reference:</b>	True
<b>Well:</b>	RATTLER 4C-34HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	RATTLER 4C-34HZ		
<b>Design:</b>	RATTLER 4C-34HZ (wp01)		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
RATTLER 4C-34HZ BHI	0.00	0.00	7,439.00	4,614.74	279.38	1,312,007.31	3,203,986.21	40.187551	-104.769861
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(ft)	(ft)			(")	(")
900.00	900.00	9 5/8"		9-5/8	12-1/4
7,758.11	7,424.00	7"		7	8-3/4

Formations						
Measured Depth	Vertical Depth	Name		Lithology	Dip	Dip Direction
(ft)	(ft)				(°)	(°)
2,608.14	2,606.00	PARKMAN			0.00	
4,413.79	4,409.00	SUSSEX			0.00	
7,151.04	7,130.00	SHARON SPRINGS			0.00	
7,233.70	7,199.00	NIOBRARA A			0.00	
7,265.89	7,224.00	NIOBRARA B			0.00	
7,316.66	7,261.00	NIOBRARA C			0.00	
7,583.38	7,397.00	FORT HAYS			0.00	
7,684.27	7,419.00	CODELL			0.00	

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
(ft)	(ft)	(ft)	(ft)		
1,050.00	1,050.00	0.00	0.00	Start Build 2.00	
1,205.24	1,205.17	-1.91	3.74	Start 5640.62 hold at 1205.24 MD	
6,845.86	6,837.51	-140.91	275.81	Start DLS 10.00 TFO -117.24	
7,758.11	7,424.00	430.00	302.00	Start DLS 1.00 TFO -94.18	
7,769.12	7,424.04	441.01	301.95	Start 4173.82 hold at 7769.12 MD	
11,942.94	7,439.00	4,614.74	279.38	TD at 11942.94	