

# **US ROCKIES REGION PLANNING**

**COLORADO NORTHERN ZONE - 83**

**WELD\_CANNON 28-3HZ PAD**

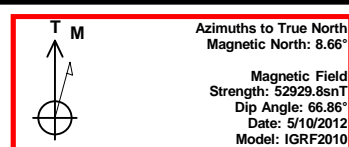
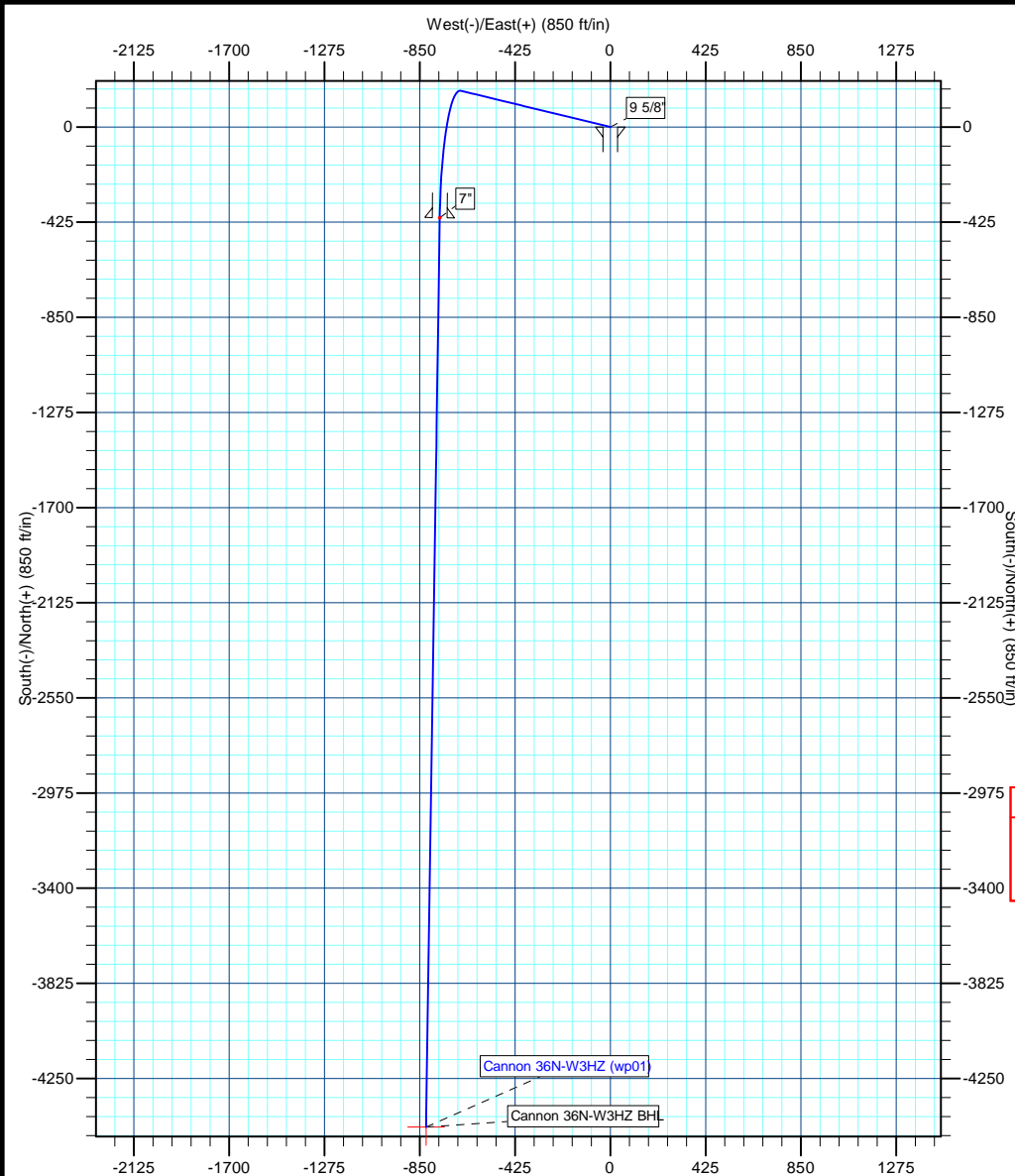
**Cannon 36N-W3HZ**

**Cannon 36N-W3HZ**

**Plan: Cannon 36N-W3HZ (wp01)**

## **Standard Planning Report**

**10 May, 2012**



Project: COLORADO NORTHERN ZONE - 83  
Site: WELD\_CANNON 28-3HZ PAD  
Well: Cannon 36N-W3HZ  
Wellbore: Cannon 36N-W3HZ  
Section:  
SHL:  
Design: Cannon 36N-W3HZ (wp01)  
Latitude: 40.174017  
Longitude: -104.648491  
GL: 4839.00  
KB: gl + rkb @ 4856.00ft

#### WELL DETAILS: Cannon 36N-W3HZ

+N/-S	+E/-W	Northing	Ground Level: Easting	4839.00 Latitude	Longitude	Slot
0.00	0.00	1307379.73	3237940.93	40.174017	-104.648491	

#### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00
1924.98	8.50	283.65	1923.42	7.42	-30.58	2.00	283.65	-1.77
6360.70	8.50	283.65	6310.42	162.11	-667.67	0.00	0.00	-38.56
7275.24	89.58	180.87	6896.00	-405.00	-761.00	10.00	-102.70	536.08
7275.84	89.58	180.86	6896.00	-405.60	-761.01	1.00	-90.00	536.67
11337.62	89.58	180.86	6926.00	-4466.80	-822.26	0.00	0.00	4541.85

#### WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

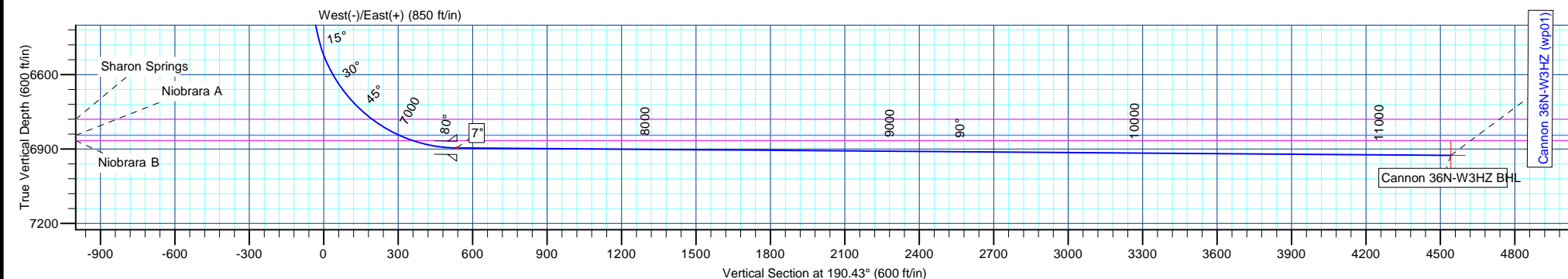
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Cannon 36N-W3HZ BHL	6926.00	-4466.80	-822.26	40.161755	-104.651433	Point

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3918.00	3941.71	Parkman
4415.00	4444.23	Sussex
6780.00	6906.43	Sharon Springs
6845.00	7034.60	Niobrara A
6866.00	7092.25	Niobrara B

#### CASING DETAILS

TVD	MD	Name	Size
775.00	775.00	9 5/8"	9-5/8
6896.00	7275.74	7"	7



# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well Cannon 36N-W3HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	gl + rkb @ 4856.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	gl + rkb @ 4856.00ft
<b>Site:</b>	WELD_CANNON 28-3HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	Cannon 36N-W3HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Cannon 36N-W3HZ		
<b>Design:</b>	Cannon 36N-W3HZ (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_CANNON 28-3HZ PAD			
<b>Site Position:</b>		<b>Northing:</b>	1,307,379.45 usft	<b>Latitude:</b> 40.174017
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,237,910.76 usft	<b>Longitude:</b> -104.648599
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b> 0.55 °

<b>Well</b>	Cannon 36N-W3HZ			
<b>Well Position</b>	<b>+N/-S</b>	-0.01 ft	<b>Northing:</b>	1,307,379.73 usft
	<b>+E/-W</b>	30.18 ft	<b>Easting:</b>	3,237,940.94 usft
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	<b>Ground Level:</b> 4,839.00 ft

<b>Wellbore</b>	Cannon 36N-W3HZ				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/10/2012	8.66	66.86	52,930

<b>Design</b>	Cannon 36N-W3HZ (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	190.43

<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	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,924.98	8.50	283.65	1,923.42	7.42	-30.58	2.00	2.00	0.00	283.65	
6,360.70	8.50	283.65	6,310.42	162.11	-667.67	0.00	0.00	0.00	0.00	
7,275.24	89.58	180.87	6,896.00	-405.00	-761.00	10.00	8.87	-11.24	-102.70	
7,275.84	89.58	180.86	6,896.00	-405.60	-761.01	1.00	0.00	-1.00	-90.00	
11,337.62	89.58	180.86	6,926.00	-4,466.80	-822.26	0.00	0.00	0.00	0.00	Cannon 36N-W3HZ B

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well Cannon 36N-W3HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	gl + rkb @ 4856.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	gl + rkb @ 4856.00ft
<b>Site:</b>	WELD_CANNON 28-3HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	Cannon 36N-W3HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Cannon 36N-W3HZ		
<b>Design:</b>	Cannon 36N-W3HZ (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
775.00	0.00	0.00	775.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
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
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	2.00	283.65	1,599.98	0.41	-1.70	-0.10	2.00	2.00	0.00
1,700.00	4.00	283.65	1,699.84	1.65	-6.78	-0.39	2.00	2.00	0.00
1,800.00	6.00	283.65	1,799.45	3.70	-15.25	-0.88	2.00	2.00	0.00
1,900.00	8.00	283.65	1,898.70	6.58	-27.09	-1.56	2.00	2.00	0.00
1,924.98	8.50	283.65	1,923.42	7.42	-30.58	-1.77	2.00	2.00	0.00
2,000.00	8.50	283.65	1,997.62	10.04	-41.35	-2.39	0.00	0.00	0.00
2,100.00	8.50	283.65	2,096.52	13.53	-55.71	-3.22	0.00	0.00	0.00
2,200.00	8.50	283.65	2,195.42	17.01	-70.08	-4.05	0.00	0.00	0.00
2,300.00	8.50	283.65	2,294.32	20.50	-84.44	-4.88	0.00	0.00	0.00
2,400.00	8.50	283.65	2,393.23	23.99	-98.80	-5.71	0.00	0.00	0.00
2,500.00	8.50	283.65	2,492.13	27.48	-113.16	-6.54	0.00	0.00	0.00
2,600.00	8.50	283.65	2,591.03	30.96	-127.53	-7.37	0.00	0.00	0.00
2,700.00	8.50	283.65	2,689.93	34.45	-141.89	-8.19	0.00	0.00	0.00
2,800.00	8.50	283.65	2,788.83	37.94	-156.25	-9.02	0.00	0.00	0.00
2,900.00	8.50	283.65	2,887.73	41.43	-170.62	-9.85	0.00	0.00	0.00
3,000.00	8.50	283.65	2,986.64	44.91	-184.98	-10.68	0.00	0.00	0.00
3,100.00	8.50	283.65	3,085.54	48.40	-199.34	-11.51	0.00	0.00	0.00
3,200.00	8.50	283.65	3,184.44	51.89	-213.70	-12.34	0.00	0.00	0.00
3,300.00	8.50	283.65	3,283.34	55.38	-228.07	-13.17	0.00	0.00	0.00
3,400.00	8.50	283.65	3,382.24	58.86	-242.43	-14.00	0.00	0.00	0.00
3,500.00	8.50	283.65	3,481.14	62.35	-256.79	-14.83	0.00	0.00	0.00
3,600.00	8.50	283.65	3,580.05	65.84	-271.16	-15.66	0.00	0.00	0.00
3,700.00	8.50	283.65	3,678.95	69.33	-285.52	-16.49	0.00	0.00	0.00
3,800.00	8.50	283.65	3,777.85	72.81	-299.88	-17.32	0.00	0.00	0.00
3,900.00	8.50	283.65	3,876.75	76.30	-314.24	-18.15	0.00	0.00	0.00
3,941.71	8.50	283.65	3,918.00	77.75	-320.23	-18.49	0.00	0.00	0.00
Parkman									
4,000.00	8.50	283.65	3,975.65	79.79	-328.61	-18.98	0.00	0.00	0.00
4,100.00	8.50	283.65	4,074.56	83.27	-342.97	-19.81	0.00	0.00	0.00
4,200.00	8.50	283.65	4,173.46	86.76	-357.33	-20.64	0.00	0.00	0.00
4,300.00	8.50	283.65	4,272.36	90.25	-371.69	-21.47	0.00	0.00	0.00
4,400.00	8.50	283.65	4,371.26	93.74	-386.06	-22.30	0.00	0.00	0.00
4,444.23	8.50	283.65	4,415.00	95.28	-392.41	-22.66	0.00	0.00	0.00
Sussex									
4,500.00	8.50	283.65	4,470.16	97.22	-400.42	-23.13	0.00	0.00	0.00

# Anadarko Petroleum Corp

## Planning Report

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<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	gl + rkb @ 4856.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	gl + rkb @ 4856.00ft
<b>Site:</b>	WELD_CANNON 28-3HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	Cannon 36N-W3HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Cannon 36N-W3HZ		
<b>Design:</b>	Cannon 36N-W3HZ (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)
4,600.00	8.50	283.65	4,569.06	100.71	-414.78	-23.96	0.00	0.00	0.00
4,700.00	8.50	283.65	4,667.97	104.20	-429.15	-24.78	0.00	0.00	0.00
4,800.00	8.50	283.65	4,766.87	107.69	-443.51	-25.61	0.00	0.00	0.00
4,900.00	8.50	283.65	4,865.77	111.17	-457.87	-26.44	0.00	0.00	0.00
5,000.00	8.50	283.65	4,964.67	114.66	-472.23	-27.27	0.00	0.00	0.00
5,100.00	8.50	283.65	5,063.57	118.15	-486.60	-28.10	0.00	0.00	0.00
5,200.00	8.50	283.65	5,162.47	121.64	-500.96	-28.93	0.00	0.00	0.00
5,300.00	8.50	283.65	5,261.38	125.12	-515.32	-29.76	0.00	0.00	0.00
5,400.00	8.50	283.65	5,360.28	128.61	-529.69	-30.59	0.00	0.00	0.00
5,500.00	8.50	283.65	5,459.18	132.10	-544.05	-31.42	0.00	0.00	0.00
5,600.00	8.50	283.65	5,558.08	135.59	-558.41	-32.25	0.00	0.00	0.00
5,700.00	8.50	283.65	5,656.98	139.07	-572.77	-33.08	0.00	0.00	0.00
5,800.00	8.50	283.65	5,755.88	142.56	-587.14	-33.91	0.00	0.00	0.00
5,900.00	8.50	283.65	5,854.79	146.05	-601.50	-34.74	0.00	0.00	0.00
6,000.00	8.50	283.65	5,953.69	149.53	-615.86	-35.57	0.00	0.00	0.00
6,100.00	8.50	283.65	6,052.59	153.02	-630.22	-36.40	0.00	0.00	0.00
6,200.00	8.50	283.65	6,151.49	156.51	-644.59	-37.23	0.00	0.00	0.00
6,300.00	8.50	283.65	6,250.39	160.00	-658.95	-38.06	0.00	0.00	0.00
6,360.70	8.50	283.65	6,310.42	162.11	-667.67	-38.56	0.00	0.00	0.00
6,400.00	8.54	256.88	6,349.31	162.14	-673.33	-37.56	10.00	0.10	-68.11
6,500.00	14.59	214.85	6,447.39	150.08	-687.80	-23.09	10.00	6.05	-42.03
6,600.00	23.48	200.40	6,541.88	121.00	-701.98	8.08	10.00	8.89	-14.44
6,700.00	32.99	193.78	6,629.90	75.77	-715.44	55.01	10.00	9.51	-6.63
6,800.00	42.71	189.89	6,708.78	15.77	-727.78	116.25	10.00	9.72	-3.89
6,900.00	52.51	187.22	6,776.12	-57.19	-738.62	189.96	10.00	9.81	-2.67
6,906.43	53.15	187.08	6,780.00	-62.27	-739.26	195.08	10.00	9.83	-2.27
<b>Sharon Springs</b>									
7,000.00	62.37	185.18	6,829.87	-140.88	-747.64	273.90	10.00	9.85	-2.03
7,034.60	65.78	184.57	6,845.00	-171.88	-750.28	304.87	10.00	9.87	-1.78
<b>Niobrara A</b>									
7,092.25	71.48	183.61	6,866.00	-225.40	-754.09	358.20	10.00	9.88	-1.66
<b>Niobrara B</b>									
7,100.00	72.24	183.48	6,868.41	-232.75	-754.55	365.51	10.00	9.88	-1.60
7,200.00	82.13	181.96	6,890.56	-330.03	-759.15	462.01	10.00	9.89	-1.52
7,275.24	89.58	180.87	6,896.00	-405.00	-761.00	536.08	10.00	9.89	-1.45
7,275.74	89.58	180.87	6,896.00	-405.50	-761.01	536.57	1.00	0.00	-1.00
<b>7"</b>									
7,275.84	89.58	180.86	6,896.00	-405.60	-761.01	536.67	1.00	0.00	-1.00
7,300.00	89.58	180.86	6,896.18	-429.75	-761.37	560.49	0.00	0.00	0.00
7,400.00	89.58	180.86	6,896.92	-529.74	-762.88	659.10	0.00	0.00	0.00
7,500.00	89.58	180.86	6,897.66	-629.72	-764.39	757.70	0.00	0.00	0.00
7,600.00	89.58	180.86	6,898.40	-729.71	-765.90	856.31	0.00	0.00	0.00
7,700.00	89.58	180.86	6,899.14	-829.70	-767.41	954.92	0.00	0.00	0.00
7,800.00	89.58	180.86	6,899.88	-929.68	-768.91	1,053.52	0.00	0.00	0.00
7,900.00	89.58	180.86	6,900.61	-1,029.67	-770.42	1,152.13	0.00	0.00	0.00
8,000.00	89.58	180.86	6,901.35	-1,129.65	-771.93	1,250.74	0.00	0.00	0.00
8,100.00	89.58	180.86	6,902.09	-1,229.64	-773.44	1,349.34	0.00	0.00	0.00
8,200.00	89.58	180.86	6,902.83	-1,329.63	-774.94	1,447.95	0.00	0.00	0.00
8,300.00	89.58	180.86	6,903.57	-1,429.61	-776.45	1,546.56	0.00	0.00	0.00
8,400.00	89.58	180.86	6,904.31	-1,529.60	-777.96	1,645.16	0.00	0.00	0.00
8,500.00	89.58	180.86	6,905.04	-1,629.58	-779.47	1,743.77	0.00	0.00	0.00
8,600.00	89.58	180.86	6,905.78	-1,729.57	-780.98	1,842.38	0.00	0.00	0.00
8,700.00	89.58	180.86	6,906.52	-1,829.56	-782.48	1,940.98	0.00	0.00	0.00
8,800.00	89.58	180.86	6,907.26	-1,929.54	-783.99	2,039.59	0.00	0.00	0.00

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well Cannon 36N-W3HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	gl + rkb @ 4856.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	gl + rkb @ 4856.00ft
<b>Site:</b>	WELD_CANNON 28-3HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	Cannon 36N-W3HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Cannon 36N-W3HZ		
<b>Design:</b>	Cannon 36N-W3HZ (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)
8,900.00	89.58	180.86	6,908.00	-2,029.53	-785.50	2,138.20	0.00	0.00	0.00
9,000.00	89.58	180.86	6,908.74	-2,129.51	-787.01	2,236.80	0.00	0.00	0.00
9,100.00	89.58	180.86	6,909.48	-2,229.50	-788.52	2,335.41	0.00	0.00	0.00
9,200.00	89.58	180.86	6,910.21	-2,329.49	-790.02	2,434.02	0.00	0.00	0.00
9,300.00	89.58	180.86	6,910.95	-2,429.47	-791.53	2,532.62	0.00	0.00	0.00
9,400.00	89.58	180.86	6,911.69	-2,529.46	-793.04	2,631.23	0.00	0.00	0.00
9,500.00	89.58	180.86	6,912.43	-2,629.44	-794.55	2,729.84	0.00	0.00	0.00
9,600.00	89.58	180.86	6,913.17	-2,729.43	-796.06	2,828.45	0.00	0.00	0.00
9,700.00	89.58	180.86	6,913.91	-2,829.41	-797.56	2,927.05	0.00	0.00	0.00
9,800.00	89.58	180.86	6,914.65	-2,929.40	-799.07	3,025.66	0.00	0.00	0.00
9,900.00	89.58	180.86	6,915.38	-3,029.39	-800.58	3,124.27	0.00	0.00	0.00
10,000.00	89.58	180.86	6,916.12	-3,129.37	-802.09	3,222.87	0.00	0.00	0.00
10,100.00	89.58	180.86	6,916.86	-3,229.36	-803.60	3,321.48	0.00	0.00	0.00
10,200.00	89.58	180.86	6,917.60	-3,329.34	-805.10	3,420.09	0.00	0.00	0.00
10,300.00	89.58	180.86	6,918.34	-3,429.33	-806.61	3,518.69	0.00	0.00	0.00
10,400.00	89.58	180.86	6,919.08	-3,529.32	-808.12	3,617.30	0.00	0.00	0.00
10,500.00	89.58	180.86	6,919.81	-3,629.30	-809.63	3,715.91	0.00	0.00	0.00
10,600.00	89.58	180.86	6,920.55	-3,729.29	-811.14	3,814.51	0.00	0.00	0.00
10,700.00	89.58	180.86	6,921.29	-3,829.27	-812.64	3,913.12	0.00	0.00	0.00
10,800.00	89.58	180.86	6,922.03	-3,929.26	-814.15	4,011.73	0.00	0.00	0.00
10,900.00	89.58	180.86	6,922.77	-4,029.25	-815.66	4,110.33	0.00	0.00	0.00
11,000.00	89.58	180.86	6,923.51	-4,129.23	-817.17	4,208.94	0.00	0.00	0.00
11,100.00	89.58	180.86	6,924.25	-4,229.22	-818.68	4,307.55	0.00	0.00	0.00
11,200.00	89.58	180.86	6,924.98	-4,329.20	-820.18	4,406.15	0.00	0.00	0.00
11,300.00	89.58	180.86	6,925.72	-4,429.19	-821.69	4,504.76	0.00	0.00	0.00
11,337.62	89.58	180.86	6,926.00	-4,466.80	-822.26	4,541.85	0.00	0.00	0.00
Cannon 36N-W3HZ BHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Cannon 36N-W3HZ BHL	0.00	0.00	6,926.00	-4,466.80	-822.26	1,302,905.25	3,237,161.61	40.161755	-104.651433
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
775.00	775.00	9 5/8"	9-5/8	12-1/4	
7,275.74	6,896.00	7"	7	8-3/4	

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well Cannon 36N-W3HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	gl + rkb @ 4856.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	gl + rkb @ 4856.00ft
<b>Site:</b>	WELD_CANNON 28-3HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	Cannon 36N-W3HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Cannon 36N-W3HZ		
<b>Design:</b>	Cannon 36N-W3HZ (wp01)		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,941.71	3,918.00	Parkman				
4,444.23	4,415.00	Sussex				
6,906.43	6,780.00	Sharon Springs				
7,034.60	6,845.00	Niobrara A				
7,092.25	6,866.00	Niobrara B				