

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_CANNON 28-3HZ PAD

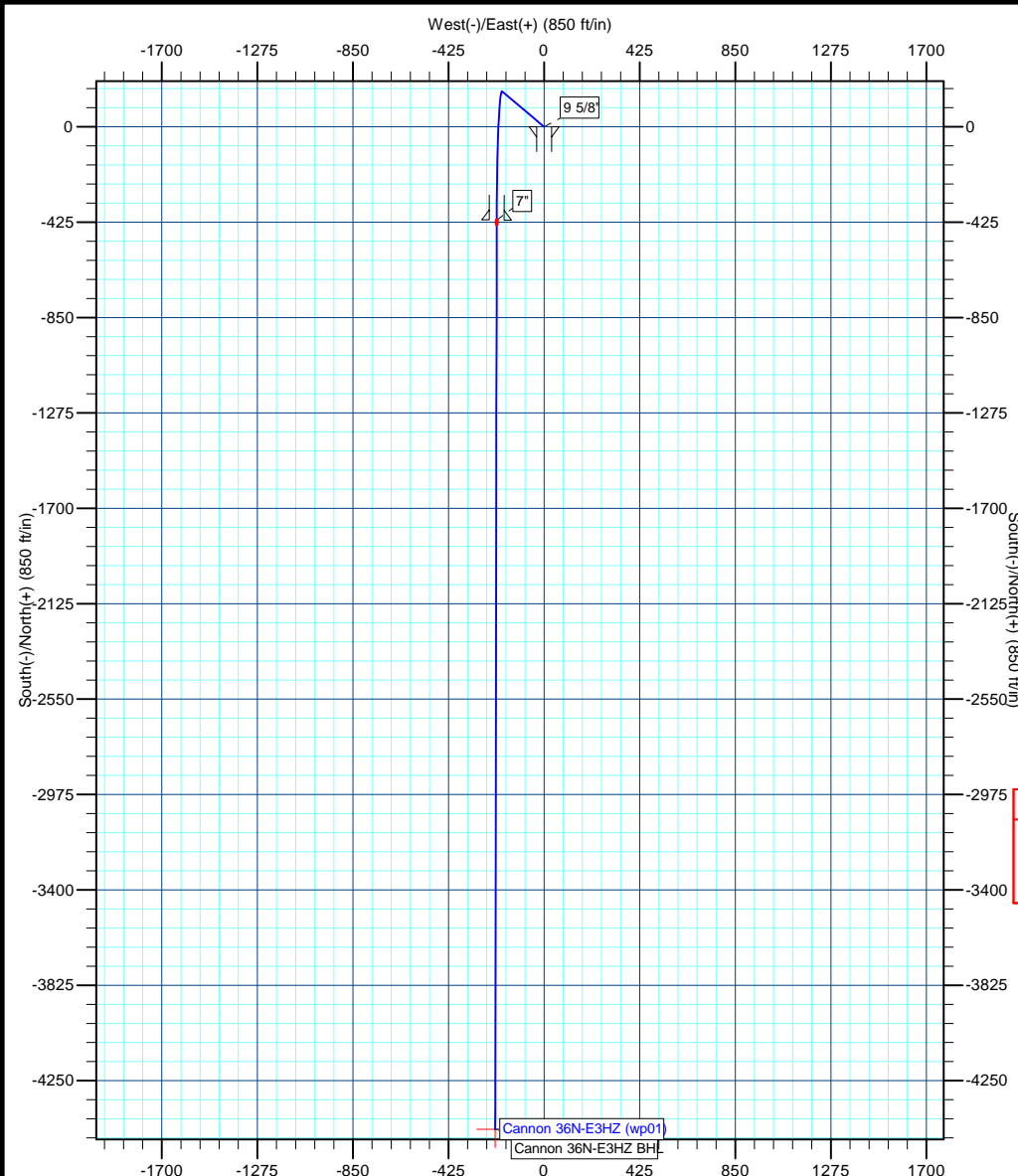
Cannon 36N-E3HZ

Cannon 36N-E3HZ

Plan: Cannon 36N-E3HZ (wp01)

Standard Planning Report

10 May, 2012



Azimuths to True North
 Magnetic North: 8.66°
 Magnetic Field
 Strength: 52929.8snT
 Dip Angle: 66.86°
 Date: 5/10/2012
 Model: IGRF2010

Project: COLORADO NORTHERN ZONE - 83
Site: WELD_CANNON 28-3HZ PAD
Well: Cannon 36N-E3HZ
Wellbore: Cannon 36N-E3HZ
Section:
SHL:
Design: Cannon 36N-E3HZ (wp01)
Latitude: 40.174018
Longitude: -104.648384
GL: 4839.00
KB: gl + rkb @ 4856.00ft



WELL DETAILS: Cannon 36N-E3HZ

+N/-S	+E/-W	Northing	Ground Level: Easting	4839.00 Latitude	Longitude	Slot
0.00	0.00	1307380.38	3237970.83	40.174018	-104.648384	

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
1645.24	2.90	310.18	1645.18	2.37	-2.81	2.00	310.18	-2.24
6405.97	2.90	310.18	6399.79	158.04	-187.13	0.00	0.00	-148.75
7325.09	90.04	180.09	6991.00	-415.00	-211.00	10.00	-130.05	424.77
7344.22	90.04	180.09	6990.99	-434.13	-211.03	0.00	0.00	443.88
11376.91	90.04	180.09	6988.00	-4466.81	-217.44	0.00	0.00	4472.10

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

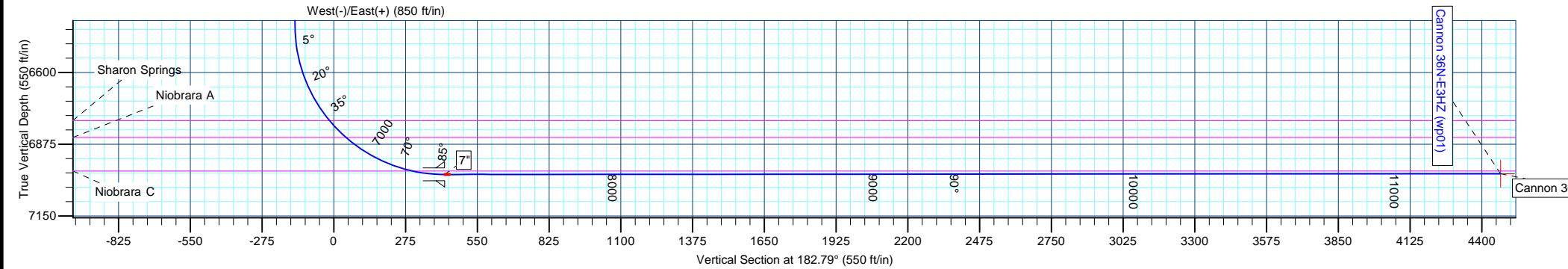
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Cannon 36N-E3HZ BHL	6988.00	-4466.81	-217.44	40.161756	-104.649162	Point

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2842.00	2843.60	Niobrara B
3922.00	3924.99	Parkman
4419.00	4422.63	Sussex
6784.00	6821.43	Sharon Springs
6849.00	6912.29	Niobrara A
6978.00	7202.34	Niobrara C

CASING DETAILS

TVD	MD	Name	Size
775.00	775.00	9 5/8"	9-5/8
6991.00	7325.09	7"	7



Anadarko Petroleum Corp

Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Cannon 36N-E3HZ
Company:	US ROCKIES REGION PLANNING	TVD Reference:	gl + rkb @ 4856.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	gl + rkb @ 4856.00ft
Site:	WELD_CANNON 28-3HZ PAD	North Reference:	True
Well:	Cannon 36N-E3HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cannon 36N-E3HZ		
Design:	Cannon 36N-E3HZ (wp01)		

Project	COLORADO NORTHERN ZONE - 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	WELD_CANNON 28-3HZ PAD				
Site Position:	Northing:	1,307,379.45 usft	Latitude:	40.174017	
From:	Lat/Long	Easting:	3,237,910.76 usft	Longitude:	-104.648599
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.55 °

Well	Cannon 36N-E3HZ					
Well Position	+N/-S	0.35 ft	Northing:	1,307,380.38 usft	Latitude:	40.174018
	+E/-W	60.08 ft	Easting:	3,237,970.83 usft	Longitude:	-104.648384
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,839.00 ft

Wellbore	Cannon 36N-E3HZ				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	5/10/2012	(°)	(°)	(nT)
			8.66	66.86	52,930

Design	Cannon 36N-E3HZ (wp01)			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	182.79

Plan Sections										
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	
1,645.24	2.90	310.18	1,645.18	2.37	-2.81	2.00	2.00	0.00	310.18	
6,405.97	2.90	310.18	6,399.79	158.04	-187.13	0.00	0.00	0.00	0.00	
7,325.09	90.04	180.09	6,991.00	-415.00	-211.00	10.00	9.48	-14.15	-130.05	
7,344.22	90.04	180.09	6,990.99	-434.13	-211.03	0.00	0.00	0.00	0.00	
11,376.91	90.04	180.09	6,988.00	-4,466.81	-217.44	0.00	0.00	0.00	0.00	Cannon 36N-E3HZ BI

Anadarko Petroleum Corp

Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Cannon 36N-E3HZ
Company:	US ROCKIES REGION PLANNING	TVD Reference:	gl + rkb @ 4856.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	gl + rkb @ 4856.00ft
Site:	WELD_CANNON 28-3HZ PAD	North Reference:	True
Well:	Cannon 36N-E3HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cannon 36N-E3HZ		
Design:	Cannon 36N-E3HZ (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	0.00
100.00	0.00	0.00	100.00	0.00	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	0.00
300.00	0.00	0.00	300.00	0.00	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	0.00
500.00	0.00	0.00	500.00	0.00	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	0.00
700.00	0.00	0.00	700.00	0.00	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	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	0.00
900.00	0.00	0.00	900.00	0.00	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	0.00
1,100.00	0.00	0.00	1,100.00	0.00	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	0.00
1,300.00	0.00	0.00	1,300.00	0.00	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	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	2.00	310.18	1,599.98	1.13	-1.33	-1.06	2.00	2.00	0.00	0.00
1,645.24	2.90	310.18	1,645.18	2.37	-2.81	-2.24	2.00	2.00	0.00	0.00
1,700.00	2.90	310.18	1,699.87	4.17	-4.93	-3.92	0.00	0.00	0.00	0.00
1,800.00	2.90	310.18	1,799.74	7.44	-8.80	-7.00	0.00	0.00	0.00	0.00
1,900.00	2.90	310.18	1,899.61	10.70	-12.68	-10.08	0.00	0.00	0.00	0.00
2,000.00	2.90	310.18	1,999.48	13.97	-16.55	-13.15	0.00	0.00	0.00	0.00
2,100.00	2.90	310.18	2,099.35	17.24	-20.42	-16.23	0.00	0.00	0.00	0.00
2,200.00	2.90	310.18	2,199.23	20.51	-24.29	-19.31	0.00	0.00	0.00	0.00
2,300.00	2.90	310.18	2,299.10	23.78	-28.16	-22.39	0.00	0.00	0.00	0.00
2,400.00	2.90	310.18	2,398.97	27.05	-32.03	-25.46	0.00	0.00	0.00	0.00
2,500.00	2.90	310.18	2,498.84	30.32	-35.91	-28.54	0.00	0.00	0.00	0.00
2,600.00	2.90	310.18	2,598.71	33.59	-39.78	-31.62	0.00	0.00	0.00	0.00
2,700.00	2.90	310.18	2,698.58	36.86	-43.65	-34.70	0.00	0.00	0.00	0.00
2,800.00	2.90	310.18	2,798.45	40.13	-47.52	-37.77	0.00	0.00	0.00	0.00
2,843.60	2.90	310.18	2,842.00	41.56	-49.21	-39.12	0.00	0.00	0.00	0.00
Niobrara B										
2,900.00	2.90	310.18	2,898.33	43.40	-51.39	-40.85	0.00	0.00	0.00	0.00
3,000.00	2.90	310.18	2,998.20	46.67	-55.26	-43.93	0.00	0.00	0.00	0.00
3,100.00	2.90	310.18	3,098.07	49.94	-59.14	-47.01	0.00	0.00	0.00	0.00
3,200.00	2.90	310.18	3,197.94	53.21	-63.01	-50.08	0.00	0.00	0.00	0.00
3,300.00	2.90	310.18	3,297.81	56.48	-66.88	-53.16	0.00	0.00	0.00	0.00
3,400.00	2.90	310.18	3,397.68	59.75	-70.75	-56.24	0.00	0.00	0.00	0.00
3,500.00	2.90	310.18	3,497.55	63.02	-74.62	-59.32	0.00	0.00	0.00	0.00
3,600.00	2.90	310.18	3,597.43	66.29	-78.49	-62.39	0.00	0.00	0.00	0.00
3,700.00	2.90	310.18	3,697.30	69.56	-82.37	-65.47	0.00	0.00	0.00	0.00
3,800.00	2.90	310.18	3,797.17	72.83	-86.24	-68.55	0.00	0.00	0.00	0.00
3,900.00	2.90	310.18	3,897.04	76.10	-90.11	-71.63	0.00	0.00	0.00	0.00
3,924.99	2.90	310.18	3,922.00	76.92	-91.08	-72.40	0.00	0.00	0.00	0.00
Parkman										
4,000.00	2.90	310.18	3,996.91	79.37	-93.98	-74.70	0.00	0.00	0.00	0.00
4,100.00	2.90	310.18	4,096.78	82.64	-97.85	-77.78	0.00	0.00	0.00	0.00
4,200.00	2.90	310.18	4,196.66	85.91	-101.72	-80.86	0.00	0.00	0.00	0.00
4,300.00	2.90	310.18	4,296.53	89.18	-105.60	-83.94	0.00	0.00	0.00	0.00
4,400.00	2.90	310.18	4,396.40	92.45	-109.47	-87.02	0.00	0.00	0.00	0.00
4,422.63	2.90	310.18	4,419.00	93.19	-110.34	-87.71	0.00	0.00	0.00	0.00
Sussex										

Anadarko Petroleum Corp

Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Cannon 36N-E3HZ
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Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	gl + rkb @ 4856.00ft
Site:	WELD_CANNON 28-3HZ PAD	North Reference:	True
Well:	Cannon 36N-E3HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cannon 36N-E3HZ		
Design:	Cannon 36N-E3HZ (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)
4,500.00	2.90	310.18	4,496.27	95.72	-113.34	-90.09	0.00	0.00	0.00
4,600.00	2.90	310.18	4,596.14	98.99	-117.21	-93.17	0.00	0.00	0.00
4,700.00	2.90	310.18	4,696.01	102.26	-121.08	-96.25	0.00	0.00	0.00
4,800.00	2.90	310.18	4,795.88	105.53	-124.95	-99.33	0.00	0.00	0.00
4,900.00	2.90	310.18	4,895.76	108.80	-128.83	-102.40	0.00	0.00	0.00
5,000.00	2.90	310.18	4,995.63	112.07	-132.70	-105.48	0.00	0.00	0.00
5,100.00	2.90	310.18	5,095.50	115.34	-136.57	-108.56	0.00	0.00	0.00
5,200.00	2.90	310.18	5,195.37	118.60	-140.44	-111.64	0.00	0.00	0.00
5,300.00	2.90	310.18	5,295.24	121.87	-144.31	-114.71	0.00	0.00	0.00
5,400.00	2.90	310.18	5,395.11	125.14	-148.18	-117.79	0.00	0.00	0.00
5,500.00	2.90	310.18	5,494.99	128.41	-152.06	-120.87	0.00	0.00	0.00
5,600.00	2.90	310.18	5,594.86	131.68	-155.93	-123.95	0.00	0.00	0.00
5,700.00	2.90	310.18	5,694.73	134.95	-159.80	-127.02	0.00	0.00	0.00
5,800.00	2.90	310.18	5,794.60	138.22	-163.67	-130.10	0.00	0.00	0.00
5,900.00	2.90	310.18	5,894.47	141.49	-167.54	-133.18	0.00	0.00	0.00
6,000.00	2.90	310.18	5,994.34	144.76	-171.41	-136.26	0.00	0.00	0.00
6,100.00	2.90	310.18	6,094.21	148.03	-175.29	-139.33	0.00	0.00	0.00
6,200.00	2.90	310.18	6,194.09	151.30	-179.16	-142.41	0.00	0.00	0.00
6,300.00	2.90	310.18	6,293.96	154.57	-183.03	-145.49	0.00	0.00	0.00
6,400.00	2.90	310.18	6,393.83	157.84	-186.90	-148.57	0.00	0.00	0.00
6,405.97	2.90	310.18	6,399.79	158.04	-187.13	-148.75	0.00	0.00	0.00
6,500.00	7.85	196.44	6,493.53	153.40	-190.78	-143.94	10.00	5.26	-120.96
6,600.00	17.67	187.09	6,590.95	131.74	-194.60	-122.12	10.00	9.82	-9.35
6,700.00	27.62	184.35	6,683.13	93.47	-198.23	-83.72	10.00	9.95	-2.74
6,800.00	37.59	182.98	6,767.27	39.76	-201.59	-29.91	10.00	9.97	-1.37
6,821.43	39.73	182.77	6,784.00	26.39	-202.26	-16.53	10.00	9.98	-0.99
Sharon Springs									
6,900.00	47.57	182.13	6,840.81	-27.75	-204.55	37.66	10.00	9.98	-0.82
6,912.29	48.80	182.04	6,849.00	-36.90	-204.88	46.82	10.00	9.99	-0.70
Niobrara A									
7,000.00	57.56	181.51	6,901.51	-107.01	-207.03	116.95	10.00	9.99	-0.61
7,100.00	67.55	181.01	6,947.55	-195.63	-208.96	205.55	10.00	9.99	-0.49
7,200.00	77.54	180.58	6,977.50	-290.89	-210.28	300.77	10.00	9.99	-0.43
7,202.34	77.78	180.57	6,978.00	-293.18	-210.30	303.05	10.00	9.99	-0.41
Niobrara C									
7,300.00	87.53	180.19	6,990.47	-389.92	-210.94	399.71	10.00	9.99	-0.40
7,325.09	90.04	180.09	6,991.00	-415.00	-211.00	424.77	10.00	9.99	-0.39
7"									
7,344.22	90.04	180.09	6,990.99	-434.13	-211.03	443.88	0.00	0.00	0.00
7,400.00	90.04	180.09	6,990.95	-489.91	-211.12	499.59	0.00	0.00	0.00
7,500.00	90.04	180.09	6,990.87	-589.91	-211.28	599.48	0.00	0.00	0.00
7,600.00	90.04	180.09	6,990.80	-689.91	-211.43	699.37	0.00	0.00	0.00
7,700.00	90.04	180.09	6,990.73	-789.91	-211.59	799.26	0.00	0.00	0.00
7,800.00	90.04	180.09	6,990.65	-889.91	-211.75	899.15	0.00	0.00	0.00
7,900.00	90.04	180.09	6,990.58	-989.91	-211.90	999.04	0.00	0.00	0.00
8,000.00	90.04	180.09	6,990.51	-1,089.91	-212.06	1,098.93	0.00	0.00	0.00
8,100.00	90.04	180.09	6,990.43	-1,189.91	-212.22	1,198.82	0.00	0.00	0.00
8,200.00	90.04	180.09	6,990.36	-1,289.91	-212.38	1,298.71	0.00	0.00	0.00
8,300.00	90.04	180.09	6,990.29	-1,389.91	-212.53	1,398.60	0.00	0.00	0.00
8,400.00	90.04	180.09	6,990.21	-1,489.91	-212.69	1,498.49	0.00	0.00	0.00
8,500.00	90.04	180.09	6,990.14	-1,589.91	-212.85	1,598.38	0.00	0.00	0.00
8,600.00	90.04	180.09	6,990.07	-1,689.91	-213.01	1,698.27	0.00	0.00	0.00
8,700.00	90.04	180.09	6,989.99	-1,789.91	-213.16	1,798.15	0.00	0.00	0.00

Anadarko Petroleum Corp

Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Cannon 36N-E3HZ
Company:	US ROCKIES REGION PLANNING	TVD Reference:	gl + rkb @ 4856.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	gl + rkb @ 4856.00ft
Site:	WELD_CANNON 28-3HZ PAD	North Reference:	True
Well:	Cannon 36N-E3HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cannon 36N-E3HZ		
Design:	Cannon 36N-E3HZ (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)
8,800.00	90.04	180.09	6,989.92	-1,889.91	-213.32	1,898.04	0.00	0.00	0.00
8,900.00	90.04	180.09	6,989.85	-1,989.91	-213.48	1,997.93	0.00	0.00	0.00
9,000.00	90.04	180.09	6,989.77	-2,089.91	-213.63	2,097.82	0.00	0.00	0.00
9,100.00	90.04	180.09	6,989.70	-2,189.91	-213.79	2,197.71	0.00	0.00	0.00
9,200.00	90.04	180.09	6,989.63	-2,289.91	-213.95	2,297.60	0.00	0.00	0.00
9,300.00	90.04	180.09	6,989.55	-2,389.91	-214.11	2,397.49	0.00	0.00	0.00
9,400.00	90.04	180.09	6,989.48	-2,489.91	-214.26	2,497.38	0.00	0.00	0.00
9,500.00	90.04	180.09	6,989.41	-2,589.91	-214.42	2,597.27	0.00	0.00	0.00
9,600.00	90.04	180.09	6,989.33	-2,689.91	-214.58	2,697.16	0.00	0.00	0.00
9,700.00	90.04	180.09	6,989.26	-2,789.91	-214.74	2,797.05	0.00	0.00	0.00
9,800.00	90.04	180.09	6,989.19	-2,889.91	-214.89	2,896.94	0.00	0.00	0.00
9,900.00	90.04	180.09	6,989.11	-2,989.91	-215.05	2,996.83	0.00	0.00	0.00
10,000.00	90.04	180.09	6,989.04	-3,089.91	-215.21	3,096.71	0.00	0.00	0.00
10,100.00	90.04	180.09	6,988.97	-3,189.91	-215.36	3,196.60	0.00	0.00	0.00
10,200.00	90.04	180.09	6,988.89	-3,289.91	-215.52	3,296.49	0.00	0.00	0.00
10,300.00	90.04	180.09	6,988.82	-3,389.90	-215.68	3,396.38	0.00	0.00	0.00
10,400.00	90.04	180.09	6,988.75	-3,489.90	-215.84	3,496.27	0.00	0.00	0.00
10,500.00	90.04	180.09	6,988.68	-3,589.90	-215.99	3,596.16	0.00	0.00	0.00
10,600.00	90.04	180.09	6,988.60	-3,689.90	-216.15	3,696.05	0.00	0.00	0.00
10,700.00	90.04	180.09	6,988.53	-3,789.90	-216.31	3,795.94	0.00	0.00	0.00
10,800.00	90.04	180.09	6,988.46	-3,889.90	-216.47	3,895.83	0.00	0.00	0.00
10,900.00	90.04	180.09	6,988.38	-3,989.90	-216.62	3,995.72	0.00	0.00	0.00
11,000.00	90.04	180.09	6,988.31	-4,089.90	-216.78	4,095.61	0.00	0.00	0.00
11,100.00	90.04	180.09	6,988.24	-4,189.90	-216.94	4,195.50	0.00	0.00	0.00
11,200.00	90.04	180.09	6,988.16	-4,289.90	-217.09	4,295.39	0.00	0.00	0.00
11,300.00	90.04	180.09	6,988.09	-4,389.90	-217.25	4,395.27	0.00	0.00	0.00
11,376.91	90.04	180.09	6,988.00	-4,466.81	-217.44	4,472.10	0.00	0.00	0.00
Cannon 36N-E3HZ BHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Cannon 36N-E3HZ BHL - hit/miss target - Shape - Point	0.00	0.00	6,988.00	-4,466.81	-217.44	1,302,911.70	3,237,796.30	40.161756	-104.649162

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	
7,325.09	6,991.00	7"	7	8-3/4	

Anadarko Petroleum Corp
 Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Cannon 36N-E3HZ
Company:	US ROCKIES REGION PLANNING	TVD Reference:	gl + rkb @ 4856.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	gl + rkb @ 4856.00ft
Site:	WELD_CANNON 28-3HZ PAD	North Reference:	True
Well:	Cannon 36N-E3HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Cannon 36N-E3HZ		
Design:	Cannon 36N-E3HZ (wp01)		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,843.60	2,842.00	Niobrara B				
3,924.99	3,922.00	Parkman				
4,422.63	4,419.00	Sussex				
6,821.43	6,784.00	Sharon Springs				
6,912.29	6,849.00	Niobrara A				
7,202.34	6,978.00	Niobrara C				