

# **US ROCKIES REGION PLANNING**

**COLORADO NORTHERN ZONE - 83**

**WELD\_DECHANT 35-36 HZ PAD**

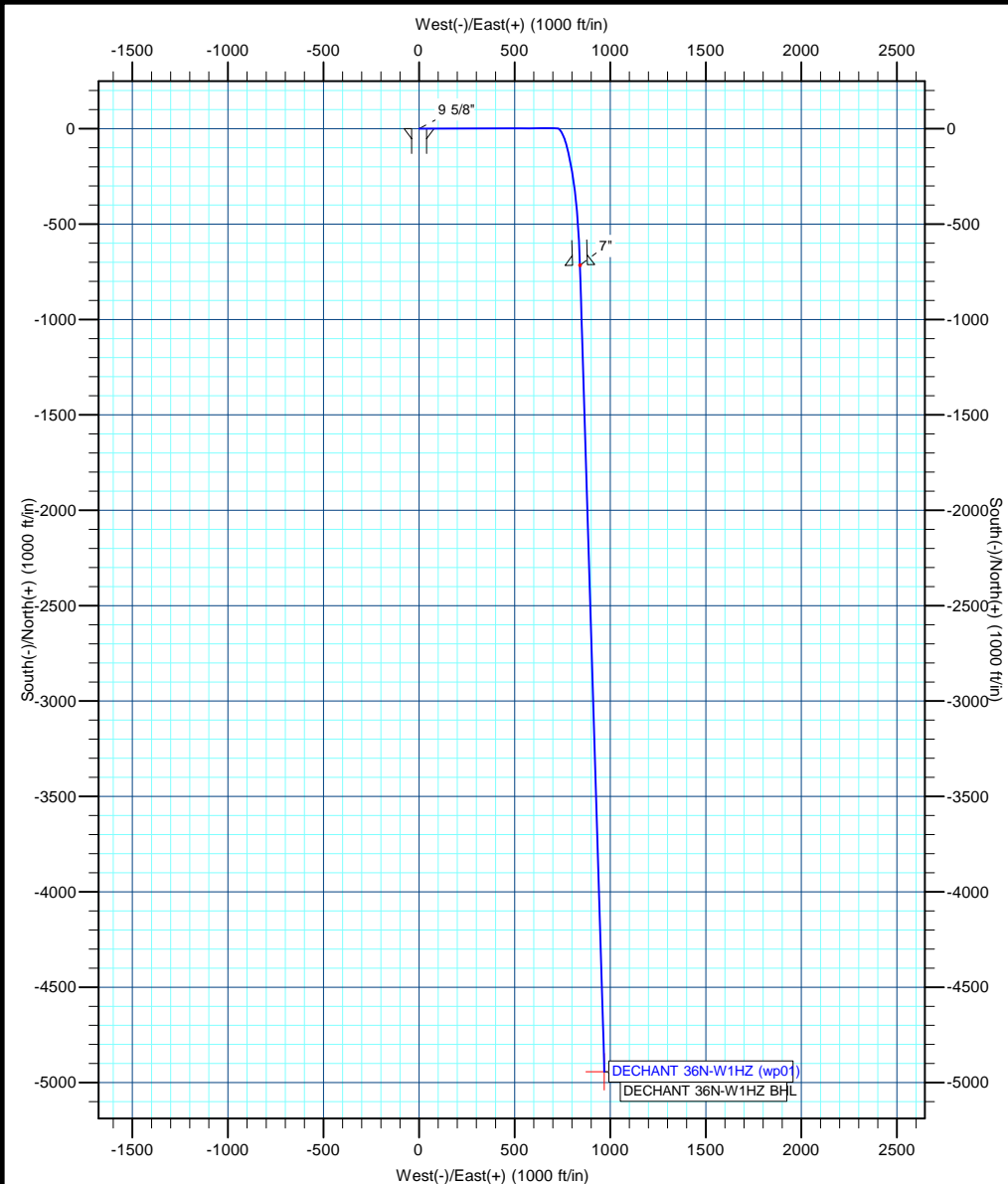
**DECHANT 36N-W1HZ**

**DECHANT 36N-W1HZ**

**Plan: DECHANT 36N-W1HZ (wp01)**

## **Standard Planning Report**

**23 March, 2012**



**Azimuths to True North**  
Magnetic North: 8.66°

**Magnetic Field**  
Strength: 52947.9snT  
Dip Angle: 66.87°  
Date: 3/22/2012  
Model: IGRF2010



**Project:** COLORADO NORTHERN ZONE - 83  
**Site:** WELD DECHANT 35-36 HZ PAD  
**Well:** DECHANT 36N-W1HZ  
**Wellbore:** DECHANT 36N-W1HZ  
**Section:**  
**SHL:**  
**Design:** DECHANT 36N-W1HZ (wp01)  
**Latitude:** 40.174997  
**Longitude:** -104.616585  
**GL:** 4829.00  
**KB:** GL + RKB @ 4846.00ft

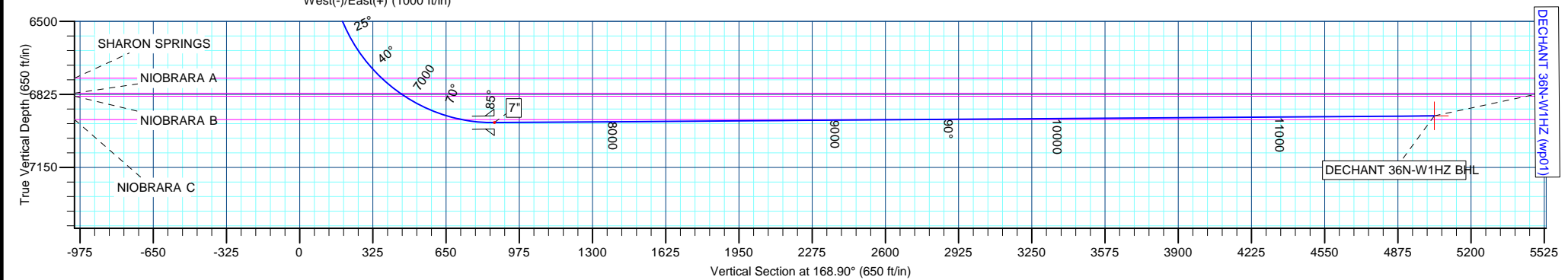
WELL DETAILS: DECHANT 36N-W1HZ						
+N/-S	+E/-W	Northing	Ground Level: Easting	4829.00 Latitude	Longitude	Slot
0.00	0.00	1307823.92	3246852.72	40.174997	-104.616585	

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
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00
1298.62	7.97	89.77	1297.33	0.11	27.69	2.00	89.77	5.22
6293.99	7.97	89.77	6244.43	2.87	720.51	0.00	0.00	135.87
7421.41	90.41	178.26	6951.00	-715.00	842.00	8.00	88.45	863.70
7422.60	90.41	178.27	6950.99	-716.19	842.04	1.00	90.00	864.88
1651.34	90.41	178.27	6921.00	-4942.90	969.55	0.00	0.00	5037.09

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
DECHANT 36N-W1HZ BHL	6921.00	-4942.90	969.55	40.161428	-104.613116	Point

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3846.00	3872.16	PARKMAN
4398.00	4429.54	SUSSEX
6753.00	6867.80	SHARON SPRINGS
6820.00	6973.96	NIOBRARA A
6834.00	6999.00	NIOBRARA B
6938.00	7278.85	NIOBRARA C

CASING DETAILS			
TVD	MD	Name	Size
550.00	550.00	9 5/8"	9-5/8
6951.00	7421.41	7"	7



# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well DECHANT 36N-W1HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL + RKB @ 4846.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL + RKB @ 4846.00ft
<b>Site:</b>	WELD_DECHANT 35-36 HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	DECHANT 36N-W1HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DECHANT 36N-W1HZ		
<b>Design:</b>	DECHANT 36N-W1HZ (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		

Site		WELD_DECHANT 35-36 HZ PAD			
Site Position:		Northing:	1,307,822.38 usft	Latitude:	40.174996
From:	Lat/Long	Easting:	3,246,732.58 usft	Longitude:	-104.617015
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.57 °

Well		DECHANT 36N-W1HZ				
Well Position	+N/-S	0.34 ft	Northing:	1,307,823.91 usft	Latitude:	40.174997
	+E/-W	120.16 ft	Easting:	3,246,852.73 usft	Longitude:	-104.616585
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,829.00 ft

<b>Wellbore</b>	DECHANT 36N-W1HZ				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	3/22/2012	8.66	66.87	52,948

<b>Design</b>	DECHANT 36N-W1HZ (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	168.90

<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	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,298.62	7.97	89.77	1,297.33	0.11	27.69	2.00	2.00	0.00	89.77	
6,293.99	7.97	89.77	6,244.43	2.87	720.51	0.00	0.00	0.00	0.00	
7,421.41	90.41	178.26	6,951.00	-715.00	842.00	8.00	7.31	7.85	88.45	
7,422.60	90.41	178.27	6,950.99	-716.19	842.04	1.00	0.00	1.00	90.00	
11,651.34	90.41	178.27	6,921.00	-4,942.90	969.55	0.00	0.00	0.00	0.00	DECHANT 36N-W1H.

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well DECHANT 36N-W1HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL + RKB @ 4846.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL + RKB @ 4846.00ft
<b>Site:</b>	WELD_DECHANT 35-36 HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	DECHANT 36N-W1HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DECHANT 36N-W1HZ		
<b>Design:</b>	DECHANT 36N-W1HZ (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
550.00	0.00	0.00	550.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
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
Start Build 2.00									
1,000.00	2.00	89.77	999.98	0.01	1.75	0.33	2.00	2.00	0.00
1,100.00	4.00	89.77	1,099.84	0.03	6.98	1.32	2.00	2.00	0.00
1,200.00	6.00	89.77	1,199.45	0.06	15.69	2.96	2.00	2.00	0.00
1,298.62	7.97	89.77	1,297.33	0.11	27.69	5.22	2.00	2.00	0.00
Start 4995.38 hold at 1298.62 MD									
1,300.00	7.97	89.77	1,298.70	0.11	27.88	5.26	0.00	0.00	0.00
1,400.00	7.97	89.77	1,397.74	0.17	41.75	7.87	0.00	0.00	0.00
1,500.00	7.97	89.77	1,496.77	0.22	55.62	10.49	0.00	0.00	0.00
1,600.00	7.97	89.77	1,595.80	0.28	69.49	13.10	0.00	0.00	0.00
1,700.00	7.97	89.77	1,694.84	0.33	83.36	15.72	0.00	0.00	0.00
1,800.00	7.97	89.77	1,793.87	0.39	97.23	18.33	0.00	0.00	0.00
1,900.00	7.97	89.77	1,892.90	0.44	111.10	20.95	0.00	0.00	0.00
2,000.00	7.97	89.77	1,991.94	0.50	124.96	23.57	0.00	0.00	0.00
2,100.00	7.97	89.77	2,090.97	0.55	138.83	26.18	0.00	0.00	0.00
2,200.00	7.97	89.77	2,190.00	0.61	152.70	28.80	0.00	0.00	0.00
2,300.00	7.97	89.77	2,289.04	0.66	166.57	31.41	0.00	0.00	0.00
2,400.00	7.97	89.77	2,388.07	0.72	180.44	34.03	0.00	0.00	0.00
2,500.00	7.97	89.77	2,487.10	0.77	194.31	36.64	0.00	0.00	0.00
2,600.00	7.97	89.77	2,586.14	0.83	208.18	39.26	0.00	0.00	0.00
2,700.00	7.97	89.77	2,685.17	0.88	222.05	41.87	0.00	0.00	0.00
2,800.00	7.97	89.77	2,784.20	0.94	235.92	44.49	0.00	0.00	0.00
2,900.00	7.97	89.77	2,883.24	0.99	249.79	47.11	0.00	0.00	0.00
3,000.00	7.97	89.77	2,982.27	1.05	263.66	49.72	0.00	0.00	0.00
3,100.00	7.97	89.77	3,081.31	1.10	277.53	52.34	0.00	0.00	0.00
3,200.00	7.97	89.77	3,180.34	1.16	291.40	54.95	0.00	0.00	0.00
3,300.00	7.97	89.77	3,279.37	1.21	305.27	57.57	0.00	0.00	0.00
3,400.00	7.97	89.77	3,378.41	1.27	319.14	60.18	0.00	0.00	0.00
3,500.00	7.97	89.77	3,477.44	1.32	333.00	62.80	0.00	0.00	0.00
3,600.00	7.97	89.77	3,576.47	1.38	346.87	65.41	0.00	0.00	0.00
3,700.00	7.97	89.77	3,675.51	1.44	360.74	68.03	0.00	0.00	0.00
3,800.00	7.97	89.77	3,774.54	1.49	374.61	70.64	0.00	0.00	0.00
3,872.16	7.97	89.77	3,846.00	1.53	384.62	72.53	0.00	0.00	0.00
PARKMAN									
3,900.00	7.97	89.77	3,873.57	1.55	388.48	73.26	0.00	0.00	0.00
4,000.00	7.97	89.77	3,972.61	1.60	402.35	75.88	0.00	0.00	0.00
4,100.00	7.97	89.77	4,071.64	1.66	416.22	78.49	0.00	0.00	0.00
4,200.00	7.97	89.77	4,170.67	1.71	430.09	81.11	0.00	0.00	0.00
4,300.00	7.97	89.77	4,269.71	1.77	443.96	83.72	0.00	0.00	0.00
4,400.00	7.97	89.77	4,368.74	1.82	457.83	86.34	0.00	0.00	0.00
4,429.54	7.97	89.77	4,398.00	1.84	461.93	87.11	0.00	0.00	0.00
SUSSEX									

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well DECHANT 36N-W1HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL + RKB @ 4846.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL + RKB @ 4846.00ft
<b>Site:</b>	WELD_DECHANT 35-36 HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	DECHANT 36N-W1HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DECHANT 36N-W1HZ		
<b>Design:</b>	DECHANT 36N-W1HZ (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	7.97	89.77	4,467.77	1.88	471.70	88.95	0.00	0.00	0.00
4,600.00	7.97	89.77	4,566.81	1.93	485.57	91.57	0.00	0.00	0.00
4,700.00	7.97	89.77	4,665.84	1.99	499.44	94.18	0.00	0.00	0.00
4,800.00	7.97	89.77	4,764.87	2.04	513.31	96.80	0.00	0.00	0.00
4,900.00	7.97	89.77	4,863.91	2.10	527.18	99.41	0.00	0.00	0.00
5,000.00	7.97	89.77	4,962.94	2.15	541.05	102.03	0.00	0.00	0.00
5,100.00	7.97	89.77	5,061.98	2.21	554.91	104.65	0.00	0.00	0.00
5,200.00	7.97	89.77	5,161.01	2.26	568.78	107.26	0.00	0.00	0.00
5,300.00	7.97	89.77	5,260.04	2.32	582.65	109.88	0.00	0.00	0.00
5,400.00	7.97	89.77	5,359.08	2.37	596.52	112.49	0.00	0.00	0.00
5,500.00	7.97	89.77	5,458.11	2.43	610.39	115.11	0.00	0.00	0.00
5,600.00	7.97	89.77	5,557.14	2.48	624.26	117.72	0.00	0.00	0.00
5,700.00	7.97	89.77	5,656.18	2.54	638.13	120.34	0.00	0.00	0.00
5,800.00	7.97	89.77	5,755.21	2.59	652.00	122.95	0.00	0.00	0.00
5,900.00	7.97	89.77	5,854.24	2.65	665.87	125.57	0.00	0.00	0.00
6,000.00	7.97	89.77	5,953.28	2.70	679.74	128.18	0.00	0.00	0.00
6,100.00	7.97	89.77	6,052.31	2.76	693.61	130.80	0.00	0.00	0.00
6,200.00	7.97	89.77	6,151.34	2.81	707.48	133.42	0.00	0.00	0.00
6,293.99	7.97	89.77	6,244.43	2.87	720.51	135.87	0.00	0.00	0.00
Start DLS 8.00 TFO 88.45									
6,300.00	8.00	93.23	6,250.38	2.84	721.35	136.06	8.00	0.46	57.50
6,400.00	11.78	136.02	6,349.00	-4.90	735.40	146.36	8.00	3.78	42.79
6,500.00	18.45	153.40	6,445.53	-26.43	749.60	170.22	8.00	6.68	17.38
6,600.00	25.87	161.43	6,538.10	-61.32	763.66	207.17	8.00	7.42	8.03
6,700.00	33.55	166.02	6,624.90	-108.90	777.31	256.48	8.00	7.68	4.59
6,800.00	41.34	169.05	6,704.24	-168.23	790.28	317.20	8.00	7.79	3.03
6,867.80	46.65	170.61	6,753.00	-214.57	798.57	364.27	8.00	7.84	2.31
SHARON SPRINGS									
6,900.00	49.18	171.26	6,774.58	-238.17	802.33	388.15	8.00	7.86	2.01
6,973.96	55.01	172.58	6,820.00	-295.93	810.50	446.40	8.00	7.88	1.79
NIOBRARA A									
6,999.00	56.98	172.98	6,834.00	-316.51	813.11	467.10	8.00	7.89	1.61
NIOBRARA B									
7,000.00	57.06	173.00	6,834.55	-317.35	813.21	467.94	8.00	7.89	1.58
7,100.00	64.96	174.45	6,882.97	-404.23	822.72	555.03	8.00	7.90	1.45
7,200.00	72.87	175.73	6,918.92	-497.11	830.67	647.71	8.00	7.91	1.28
7,278.85	79.11	176.66	6,938.00	-573.41	835.74	723.55	8.00	7.92	1.18
NIOBRARA C									
7,300.00	80.79	176.90	6,941.69	-594.20	836.91	744.18	8.00	7.92	1.14
7,400.00	88.71	178.02	6,950.84	-693.61	841.31	842.57	8.00	7.92	1.12
7,421.41	90.41	178.26	6,951.00	-715.00	842.00	863.70	8.00	7.92	1.11
Start DLS 1.00 TFO 90.00 - 7"									
7,422.60	90.41	178.27	6,950.99	-716.19	842.04	864.88	1.00	0.00	1.00
Start 4228.74 hold at 7422.60 MD									
7,500.00	90.41	178.27	6,950.44	-793.56	844.37	941.24	0.00	0.00	0.00
7,600.00	90.41	178.27	6,949.73	-893.51	847.39	1,039.91	0.00	0.00	0.00
7,700.00	90.41	178.27	6,949.02	-993.46	850.40	1,138.57	0.00	0.00	0.00
7,800.00	90.41	178.27	6,948.32	-1,093.41	853.42	1,237.23	0.00	0.00	0.00
7,900.00	90.41	178.27	6,947.61	-1,193.36	856.43	1,335.90	0.00	0.00	0.00
8,000.00	90.41	178.27	6,946.90	-1,293.32	859.45	1,434.56	0.00	0.00	0.00
8,100.00	90.41	178.27	6,946.19	-1,393.27	862.46	1,533.22	0.00	0.00	0.00
8,200.00	90.41	178.27	6,945.48	-1,493.22	865.48	1,631.89	0.00	0.00	0.00
8,300.00	90.41	178.27	6,944.77	-1,593.17	868.49	1,730.55	0.00	0.00	0.00

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well DECHANT 36N-W1HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL + RKB @ 4846.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL + RKB @ 4846.00ft
<b>Site:</b>	WELD_DECHANT 35-36 HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	DECHANT 36N-W1HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DECHANT 36N-W1HZ		
<b>Design:</b>	DECHANT 36N-W1HZ (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)	
8,400.00	90.41	178.27	6,944.06	-1,693.12	871.51	1,829.21	0.00	0.00	0.00	
8,500.00	90.41	178.27	6,943.35	-1,793.08	874.53	1,927.88	0.00	0.00	0.00	
8,600.00	90.41	178.27	6,942.64	-1,893.03	877.54	2,026.54	0.00	0.00	0.00	
8,700.00	90.41	178.27	6,941.93	-1,992.98	880.56	2,125.20	0.00	0.00	0.00	
8,800.00	90.41	178.27	6,941.22	-2,092.93	883.57	2,223.87	0.00	0.00	0.00	
8,900.00	90.41	178.27	6,940.51	-2,192.88	886.59	2,322.53	0.00	0.00	0.00	
9,000.00	90.41	178.27	6,939.80	-2,292.84	889.60	2,421.19	0.00	0.00	0.00	
9,100.00	90.41	178.27	6,939.10	-2,392.79	892.62	2,519.86	0.00	0.00	0.00	
9,200.00	90.41	178.27	6,938.39	-2,492.74	895.63	2,618.52	0.00	0.00	0.00	
9,300.00	90.41	178.27	6,937.68	-2,592.69	898.65	2,717.18	0.00	0.00	0.00	
9,400.00	90.41	178.27	6,936.97	-2,692.64	901.66	2,815.85	0.00	0.00	0.00	
9,500.00	90.41	178.27	6,936.26	-2,792.60	904.68	2,914.51	0.00	0.00	0.00	
9,600.00	90.41	178.27	6,935.55	-2,892.55	907.70	3,013.18	0.00	0.00	0.00	
9,700.00	90.41	178.27	6,934.84	-2,992.50	910.71	3,111.84	0.00	0.00	0.00	
9,800.00	90.41	178.27	6,934.13	-3,092.45	913.73	3,210.50	0.00	0.00	0.00	
9,900.00	90.41	178.27	6,933.42	-3,192.40	916.74	3,309.17	0.00	0.00	0.00	
10,000.00	90.41	178.27	6,932.71	-3,292.36	919.76	3,407.83	0.00	0.00	0.00	
10,100.00	90.41	178.27	6,932.00	-3,392.31	922.77	3,506.49	0.00	0.00	0.00	
10,200.00	90.41	178.27	6,931.29	-3,492.26	925.79	3,605.16	0.00	0.00	0.00	
10,300.00	90.41	178.27	6,930.58	-3,592.21	928.80	3,703.82	0.00	0.00	0.00	
10,400.00	90.41	178.27	6,929.88	-3,692.16	931.82	3,802.48	0.00	0.00	0.00	
10,500.00	90.41	178.27	6,929.17	-3,792.12	934.84	3,901.15	0.00	0.00	0.00	
10,600.00	90.41	178.27	6,928.46	-3,892.07	937.85	3,999.81	0.00	0.00	0.00	
10,700.00	90.41	178.27	6,927.75	-3,992.02	940.87	4,098.47	0.00	0.00	0.00	
10,800.00	90.41	178.27	6,927.04	-4,091.97	943.88	4,197.14	0.00	0.00	0.00	
10,900.00	90.41	178.27	6,926.33	-4,191.92	946.90	4,295.80	0.00	0.00	0.00	
11,000.00	90.41	178.27	6,925.62	-4,291.88	949.91	4,394.46	0.00	0.00	0.00	
11,100.00	90.41	178.27	6,924.91	-4,391.83	952.93	4,493.13	0.00	0.00	0.00	
11,200.00	90.41	178.27	6,924.20	-4,491.78	955.94	4,591.79	0.00	0.00	0.00	
11,300.00	90.41	178.27	6,923.49	-4,591.73	958.96	4,690.45	0.00	0.00	0.00	
11,400.00	90.41	178.27	6,922.78	-4,691.68	961.98	4,789.12	0.00	0.00	0.00	
11,500.00	90.41	178.27	6,922.07	-4,791.64	964.99	4,887.78	0.00	0.00	0.00	
11,600.00	90.41	178.27	6,921.36	-4,891.59	968.01	4,986.44	0.00	0.00	0.00	
11,651.34	90.41	178.27	6,921.00	-4,942.90	969.55	5,037.09	0.00	0.00	0.00	
TD at 11651.34 - DECHANT 36N-W1HZ BHL										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
DECHANT 36N-W1HZ E	0.00	0.00	6,921.00	-4,942.90	969.55	1,302,890.93	3,247,871.47	40.161428	-104.613116
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
550.00	550.00	9 5/8"	9-5/8	12-1/4	
7,421.41	6,951.00	7"	7	8-3/4	

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well DECHANT 36N-W1HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL + RKB @ 4846.00ft
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL + RKB @ 4846.00ft
<b>Site:</b>	WELD_DECHANT 35-36 HZ PAD	<b>North Reference:</b>	True
<b>Well:</b>	DECHANT 36N-W1HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DECHANT 36N-W1HZ		
<b>Design:</b>	DECHANT 36N-W1HZ (wp01)		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,872.16	3,846.00	PARKMAN		0.00	
4,429.54	4,398.00	SUSSEX		0.00	
6,867.80	6,753.00	SHARON SPRINGS		0.00	
6,973.96	6,820.00	NIOBRARA A		0.00	
6,999.00	6,834.00	NIOBRARA B		0.00	
7,278.85	6,938.00	NIOBRARA C		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
900.00	900.00	0.00	0.00	Start Build 2.00	
1,298.62	1,297.33	0.11	27.69	Start 4995.38 hold at 1298.62 MD	
6,293.99	6,244.43	2.87	720.51	Start DLS 8.00 TFO 88.45	
7,421.41	6,951.00	-715.00	842.00	Start DLS 1.00 TFO 90.00	
7,422.60	6,950.99	-716.19	842.04	Start 4228.74 hold at 7422.60 MD	
11,651.34	6,921.00	-4,942.90	969.55	TD at 11651.34	