

# **US ROCKIES REGION PLANNING**

**COLORADO NORTHERN CWP - 83**

**Phase 1 Pad 3**

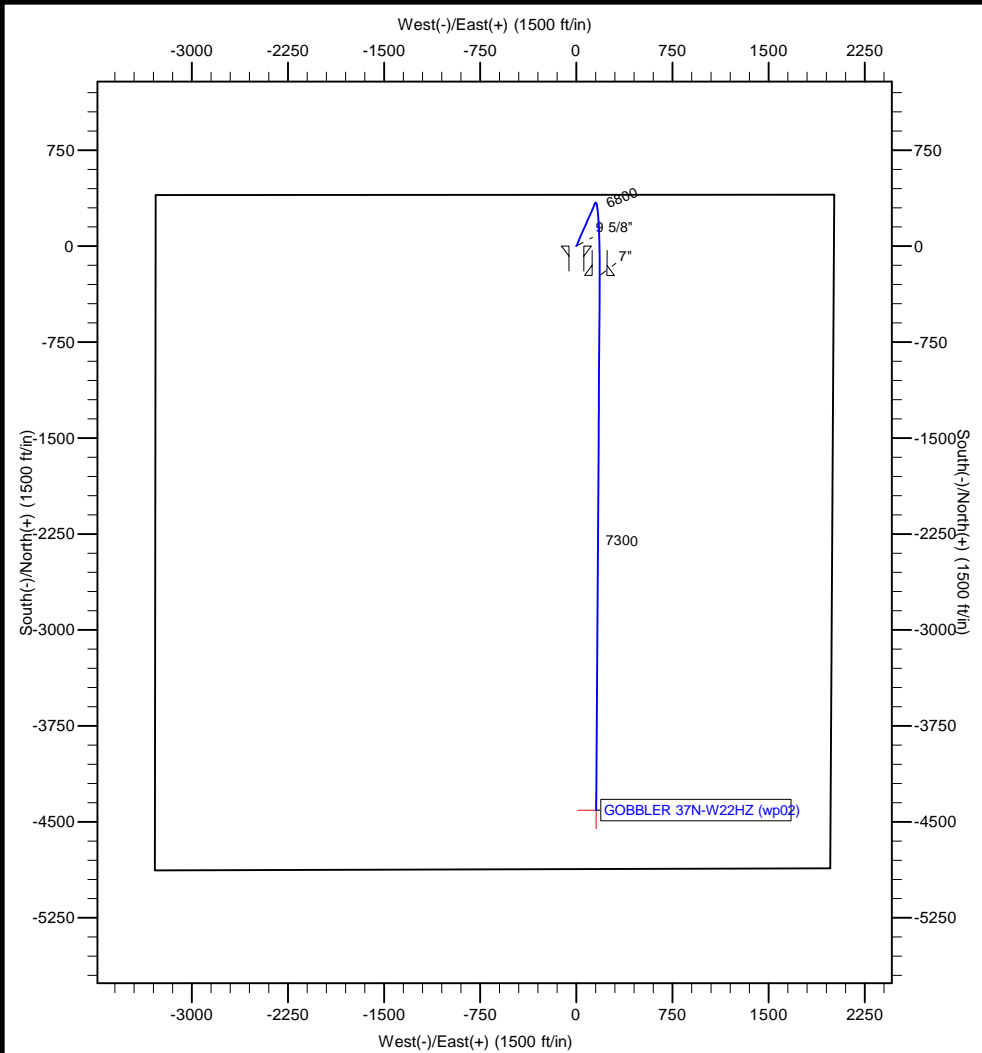
**GOBBLER 37N-W22HZ**

**GOBBLER 37N-W22HZ**

**Plan: GOBBLER 37N-W22HZ (wp02)**

## **Standard Planning Report**

**25 October, 2011**



Azimuths to True North  
 Magnetic North: 8.76°  
 Magnetic Field  
 Strength: 52984.1snT  
 Dip Angle: 66.83°  
 Date: 9/16/2011  
 Model: IGRF200510



**Project: COLORADO NORTHERN CWP - 83**  
**Site: Phase 1 Pad 3**  
**Well: GOBBLER 37N-W22HZ**  
**Wellbore: GOBBLER 37N-W22HZ**  
**Section: SHL:**  
**Design: GOBBLER 37N-W22HZ (wp02)**  
**Latitude: 40.129807**  
**Longitude: -104.761085**  
**GL: 5053.01**  
**KB: 17' RKB + 5053' GL @ 5070.01ft**

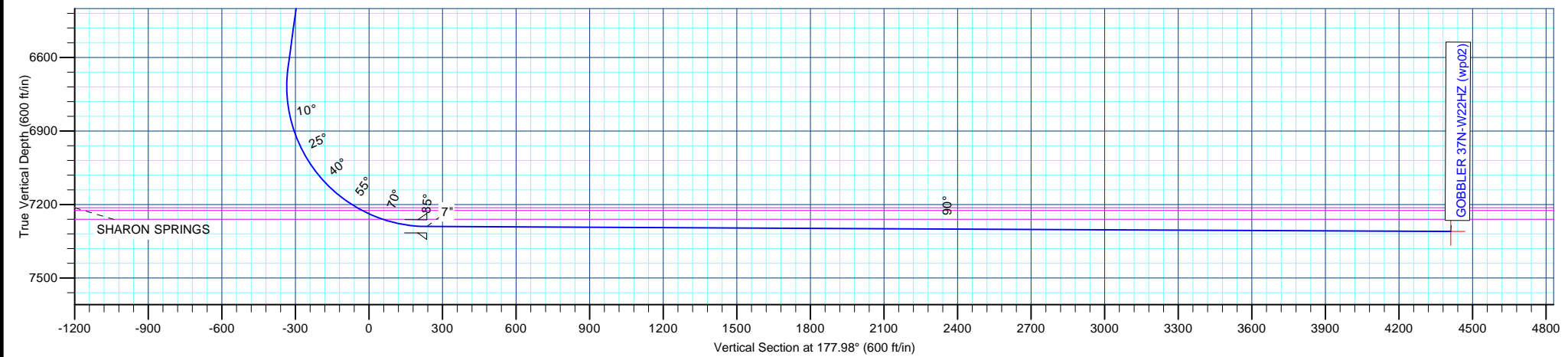
WELL DETAILS: GOBBLER 37N-W22HZ						
+N/-S	+E/-W	Northing	Ground Level: Easting	5053.01 Latitude	Longitude	Slot
0.00	0.00	1290993.30	3206613.28	40.129807	-104.761085	

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
4000.01	0.00	0.00	4000.01	0.00	0.00	0.00	0.00	0.00
4429.08	8.58	23.65	4427.48	29.38	12.87	2.00	23.65	-28.91
6666.32	8.58	23.65	6639.68	335.16	146.81	0.00	0.00	-329.79
7642.47	89.74	180.35	7290.00	-230.00	182.00	10.00	156.48	236.26
7644.57	89.73	180.37	7290.01	-232.10	181.99	1.00	124.65	238.36
11821.11	89.73	180.37	7310.01	-4408.51	155.22	0.00	0.00	4411.24

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
GOBBLER 37N-W22HZ BHL	7310.01	-4408.51	155.22	40.117705	-104.760530	Point

FORMATION TOP DETAILS		
TVDPPath	MDPath	Formation
4249.00	4249.31	PARKMAN
4748.00	4753.23	SUSSEX
7213.00	7344.34	SHARON SPRINGS
7224.00	7367.12	NIOBRARA A
7260.00	7458.69	NIOBRARA B

CASING DETAILS			
TVD	MD	Name	Size
900.00	900.00	9 5/8"	9-5/8
7290.00	7642.47	7"	7



# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well GOBBLER 37N-W22HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Project:</b>	COLORADO NORTHERN CWP - 83	<b>MD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Site:</b>	Phase 1 Pad 3	<b>North Reference:</b>	True
<b>Well:</b>	GOBBLER 37N-W22HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	GOBBLER 37N-W22HZ		
<b>Design:</b>	GOBBLER 37N-W22HZ (wp02)		

<b>Project</b>	COLORADO NORTHERN CWP - 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>	Phase 1 Pad 3				
<b>Site Position:</b>		<b>Northing:</b>	1,290,993.56 usft	<b>Latitude:</b>	40.129807
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,206,643.20 usft	<b>Longitude:</b>	-104.760978
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	0 "	<b>Grid Convergence:</b>	0.48 °

<b>Well</b>	GOBBLER 37N-W22HZ, Phase 1 Pad 3					
<b>Well Position</b>	<b>+N/-S</b>	-0.01 ft	<b>Northing:</b>	1,290,993.30 usft	<b>Latitude:</b>	40.129807
	<b>+E/-W</b>	-29.92 ft	<b>Easting:</b>	3,206,613.28 usft	<b>Longitude:</b>	-104.761085
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	5,053.01 ft

<b>Wellbore</b>	GOBBLER 37N-W22HZ				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	9/16/2011	8.76	66.83	52,984

<b>Design</b>	GOBBLER 37N-W22HZ (wp02)			
<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	177.98

<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	
4,000.01	0.00	0.00	4,000.01	0.00	0.00	0.00	0.00	0.00	0.00	
4,429.08	8.58	23.65	4,427.48	29.38	12.87	2.00	2.00	0.00	23.65	
6,666.32	8.58	23.65	6,639.68	335.16	146.81	0.00	0.00	0.00	0.00	
7,642.47	89.74	180.35	7,290.00	-230.00	182.00	10.00	8.31	16.05	156.48	
7,644.57	89.73	180.37	7,290.01	-232.10	181.99	1.00	-0.57	0.82	124.65	
11,821.11	89.73	180.37	7,310.01	-4,408.51	155.22	0.00	0.00	0.00	0.00	GOBBLER 37N-W22H

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well GOBBLER 37N-W22HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Project:</b>	COLORADO NORTHERN CWP - 83	<b>MD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Site:</b>	Phase 1 Pad 3	<b>North Reference:</b>	True
<b>Well:</b>	GOBBLER 37N-W22HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	GOBBLER 37N-W22HZ		
<b>Design:</b>	GOBBLER 37N-W22HZ (wp02)		

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
<b>9 5/8"</b>									
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	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.01	0.00	0.00	4,000.01	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>									
4,100.00	2.00	23.65	4,099.98	1.60	0.70	-1.57	2.00	2.00	0.00
4,200.00	4.00	23.65	4,199.84	6.39	2.80	-6.29	2.00	2.00	0.00
4,249.31	4.99	23.65	4,249.00	9.93	4.35	-9.77	2.00	2.00	0.00
<b>PARKMAN</b>									
4,300.00	6.00	23.65	4,299.45	14.37	6.30	-14.14	2.00	2.00	0.00
4,400.00	8.00	23.65	4,398.70	25.54	11.19	-25.13	2.00	2.00	0.00
4,429.08	8.58	23.65	4,427.48	29.38	12.87	-28.91	2.00	2.00	0.00
<b>Start 2237.25 hold at 4429.08 MD</b>									
4,500.00	8.58	23.65	4,497.60	39.07	17.11	-38.44	0.00	0.00	0.00
4,600.00	8.58	23.65	4,596.48	52.74	23.10	-51.89	0.00	0.00	0.00

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well GOBBLER 37N-W22HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Project:</b>	COLORADO NORTHERN CWP - 83	<b>MD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Site:</b>	Phase 1 Pad 3	<b>North Reference:</b>	True
<b>Well:</b>	GOBBLER 37N-W22HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	GOBBLER 37N-W22HZ		
<b>Design:</b>	GOBBLER 37N-W22HZ (wp02)		

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)
4,700.00	8.58	23.65	4,695.36	66.41	29.09	-65.34	0.00	0.00	0.00
4,753.23	8.58	23.65	4,748.00	73.68	32.27	-72.50	0.00	0.00	0.00
<b>SUSSEX</b>									
4,800.00	8.58	23.65	4,794.25	80.07	35.07	-78.79	0.00	0.00	0.00
4,900.00	8.58	23.65	4,893.13	93.74	41.06	-92.24	0.00	0.00	0.00
5,000.00	8.58	23.65	4,992.01	107.41	47.05	-105.69	0.00	0.00	0.00
5,100.00	8.58	23.65	5,090.89	121.08	53.03	-119.14	0.00	0.00	0.00
5,200.00	8.58	23.65	5,189.77	134.74	59.02	-132.58	0.00	0.00	0.00
5,300.00	8.58	23.65	5,288.65	148.41	65.01	-146.03	0.00	0.00	0.00
5,400.00	8.58	23.65	5,387.53	162.08	70.99	-159.48	0.00	0.00	0.00
5,500.00	8.58	23.65	5,486.41	175.75	76.98	-172.93	0.00	0.00	0.00
5,600.00	8.58	23.65	5,585.29	189.42	82.97	-186.38	0.00	0.00	0.00
5,700.00	8.58	23.65	5,684.17	203.08	88.95	-199.83	0.00	0.00	0.00
5,800.00	8.58	23.65	5,783.05	216.75	94.94	-213.28	0.00	0.00	0.00
5,900.00	8.58	23.65	5,881.93	230.42	100.93	-226.72	0.00	0.00	0.00
6,000.00	8.58	23.65	5,980.81	244.09	106.92	-240.17	0.00	0.00	0.00
6,100.00	8.58	23.65	6,079.69	257.75	112.90	-253.62	0.00	0.00	0.00
6,200.00	8.58	23.65	6,178.57	271.42	118.89	-267.07	0.00	0.00	0.00
6,300.00	8.58	23.65	6,277.45	285.09	124.88	-280.52	0.00	0.00	0.00
6,400.00	8.58	23.65	6,376.33	298.76	130.86	-293.97	0.00	0.00	0.00
6,500.00	8.58	23.65	6,475.21	312.43	136.85	-307.42	0.00	0.00	0.00
6,600.00	8.58	23.65	6,574.09	326.09	142.84	-320.87	0.00	0.00	0.00
6,666.32	8.58	23.65	6,639.68	335.16	146.81	-329.79	0.00	0.00	0.00
<b>Start DLS 10.00 TFO 156.48</b>									
6,700.00	5.65	37.42	6,673.09	338.78	148.82	-333.33	10.00	-8.69	40.88
6,800.00	6.46	148.58	6,772.78	337.89	154.77	-332.23	10.00	0.81	111.16
6,900.00	15.85	168.24	6,870.81	319.67	160.50	-313.82	10.00	9.39	19.66
7,000.00	25.70	173.25	6,964.20	284.67	165.85	-278.66	10.00	9.85	5.01
7,100.00	35.63	175.59	7,050.11	233.97	170.65	-227.82	10.00	9.93	2.35
7,200.00	45.59	177.02	7,125.93	169.09	174.76	-162.83	10.00	9.96	1.42
7,300.00	55.56	178.02	7,189.36	92.01	178.05	-85.69	10.00	9.97	1.01
7,344.34	59.98	178.39	7,213.00	54.53	179.22	-48.19	10.00	9.98	0.83
<b>SHARON SPRINGS</b>									
7,367.12	62.26	178.57	7,224.00	34.60	179.75	-28.25	10.00	9.98	0.78
<b>NIORARA A</b>									
7,400.00	65.54	178.81	7,238.47	5.08	180.43	1.27	10.00	9.98	0.74
7,458.69	71.39	179.21	7,260.00	-49.48	181.36	55.83	10.00	9.98	0.69
<b>NIORARA B</b>									
7,477.33	73.25	179.34	7,265.66	-67.24	181.59	73.58	10.00	9.98	0.66
<b>GOBBLER 37N-W22HZ HEEL</b>									
7,500.00	75.52	179.48	7,271.76	-89.07	181.81	95.41	10.00	9.98	0.64
7,600.00	85.50	180.10	7,288.24	-187.57	182.17	193.87	10.00	9.98	0.61
7,642.47	89.74	180.35	7,290.00	-230.00	182.00	236.26	10.00	9.98	0.60
<b>Start DLS 1.00 TFO 124.65 - 7"</b>									
7,644.57	89.73	180.37	7,290.01	-232.10	181.99	238.36	0.99	-0.56	0.82
<b>Start 4176.54 hold at 7644.57 MD</b>									
7,700.00	89.73	180.37	7,290.28	-287.53	181.63	293.74	0.00	0.00	0.00
7,800.00	89.73	180.37	7,290.75	-387.52	180.99	393.65	0.00	0.00	0.00
7,900.00	89.73	180.37	7,291.23	-487.52	180.35	493.56	0.00	0.00	0.00
8,000.00	89.73	180.37	7,291.71	-587.52	179.71	593.48	0.00	0.00	0.00
8,100.00	89.73	180.37	7,292.19	-687.51	179.07	693.39	0.00	0.00	0.00
8,200.00	89.73	180.37	7,292.67	-787.51	178.43	793.30	0.00	0.00	0.00
8,300.00	89.73	180.37	7,293.15	-887.51	177.79	893.21	0.00	0.00	0.00

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well GOBBLER 37N-W22HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Project:</b>	COLORADO NORTHERN CWP - 83	<b>MD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Site:</b>	Phase 1 Pad 3	<b>North Reference:</b>	True
<b>Well:</b>	GOBBLER 37N-W22HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	GOBBLER 37N-W22HZ		
<b>Design:</b>	GOBBLER 37N-W22HZ (wp02)		

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	89.73	180.37	7,293.63	-987.50	177.14	993.13	0.00	0.00	0.00
8,500.00	89.73	180.37	7,294.11	-1,087.50	176.50	1,093.04	0.00	0.00	0.00
8,600.00	89.73	180.37	7,294.59	-1,187.50	175.86	1,192.95	0.00	0.00	0.00
8,700.00	89.73	180.37	7,295.07	-1,287.49	175.22	1,292.86	0.00	0.00	0.00
8,800.00	89.73	180.37	7,295.54	-1,387.49	174.58	1,392.77	0.00	0.00	0.00
8,900.00	89.73	180.37	7,296.02	-1,487.49	173.94	1,492.69	0.00	0.00	0.00
9,000.00	89.73	180.37	7,296.50	-1,587.48	173.30	1,592.60	0.00	0.00	0.00
9,100.00	89.73	180.37	7,296.98	-1,687.48	172.66	1,692.51	0.00	0.00	0.00
9,200.00	89.73	180.37	7,297.46	-1,787.48	172.02	1,792.42	0.00	0.00	0.00
9,300.00	89.73	180.37	7,297.94	-1,887.47	171.38	1,892.34	0.00	0.00	0.00
9,400.00	89.73	180.37	7,298.42	-1,987.47	170.74	1,992.25	0.00	0.00	0.00
9,500.00	89.73	180.37	7,298.90	-2,087.47	170.09	2,092.16	0.00	0.00	0.00
9,600.00	89.73	180.37	7,299.38	-2,187.47	169.45	2,192.07	0.00	0.00	0.00
9,700.00	89.73	180.37	7,299.86	-2,287.46	168.81	2,291.99	0.00	0.00	0.00
9,800.00	89.73	180.37	7,300.33	-2,387.46	168.17	2,391.90	0.00	0.00	0.00
9,900.00	89.73	180.37	7,300.81	-2,487.46	167.53	2,491.81	0.00	0.00	0.00
10,000.00	89.73	180.37	7,301.29	-2,587.45	166.89	2,591.72	0.00	0.00	0.00
10,100.00	89.73	180.37	7,301.77	-2,687.45	166.25	2,691.63	0.00	0.00	0.00
10,200.00	89.73	180.37	7,302.25	-2,787.45	165.61	2,791.55	0.00	0.00	0.00
10,300.00	89.73	180.37	7,302.73	-2,887.44	164.97	2,891.46	0.00	0.00	0.00
10,400.00	89.73	180.37	7,303.21	-2,987.44	164.33	2,991.37	0.00	0.00	0.00
10,500.00	89.73	180.37	7,303.69	-3,087.44	163.68	3,091.28	0.00	0.00	0.00
10,600.00	89.73	180.37	7,304.17	-3,187.43	163.04	3,191.20	0.00	0.00	0.00
10,700.00	89.73	180.37	7,304.64	-3,287.43	162.40	3,291.11	0.00	0.00	0.00
10,800.00	89.73	180.37	7,305.12	-3,387.43	161.76	3,391.02	0.00	0.00	0.00
10,900.00	89.73	180.37	7,305.60	-3,487.42	161.12	3,490.93	0.00	0.00	0.00
11,000.00	89.73	180.37	7,306.08	-3,587.42	160.48	3,590.85	0.00	0.00	0.00
11,100.00	89.73	180.37	7,306.56	-3,687.42	159.84	3,690.76	0.00	0.00	0.00
11,200.00	89.73	180.37	7,307.04	-3,787.41	159.20	3,790.67	0.00	0.00	0.00
11,300.00	89.73	180.37	7,307.52	-3,887.41	158.56	3,890.58	0.00	0.00	0.00
11,400.00	89.73	180.37	7,308.00	-3,987.41	157.92	3,990.50	0.00	0.00	0.00
11,500.00	89.73	180.37	7,308.48	-4,087.40	157.28	4,090.41	0.00	0.00	0.00
11,600.00	89.73	180.37	7,308.96	-4,187.40	156.63	4,190.32	0.00	0.00	0.00
11,700.00	89.73	180.37	7,309.43	-4,287.40	155.99	4,290.23	0.00	0.00	0.00
11,800.00	89.73	180.37	7,309.91	-4,387.39	155.35	4,390.14	0.00	0.00	0.00
11,821.11	89.73	180.37	7,310.01	-4,408.51	155.22	4,411.24	0.00	0.00	0.00
TD at 11821.11 - GOBBLER 37N-W22HZ BHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
GOBBLER 37N-W22HZ - hit/miss target - Shape	0.00	0.00	7,310.01	-4,408.51	155.22	1,286,586.25	3,206,805.22	40.117705	-104.760530
GOBBLER 37N-W22HZ - plan hits target center - Point									

# Anadarko Petroleum Corp

## Planning Report

<b>Database:</b>	edmp	<b>Local Co-ordinate Reference:</b>	Well GOBBLER 37N-W22HZ
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Project:</b>	COLORADO NORTHERN CWP - 83	<b>MD Reference:</b>	17' RKB + 5053' GL @ 5070.01ft
<b>Site:</b>	Phase 1 Pad 3	<b>North Reference:</b>	True
<b>Well:</b>	GOBBLER 37N-W22HZ	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	GOBBLER 37N-W22HZ		
<b>Design:</b>	GOBBLER 37N-W22HZ (wp02)		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
900.00	900.00	9 5/8"	9-5/8	12-1/4	
7,642.47	7,290.00	7"	7	8-3/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,249.31	4,249.00	PARKMAN		0.00		
4,753.23	4,748.00	SUSSEX		0.00		
7,344.34	7,213.00	SHARON SPRINGS		0.00		
7,367.12	7,224.00	NIOBRARA A		0.00		
7,458.69	7,260.00	NIOBRARA B		0.00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
4,000.01	4,000.01	0.00	0.00	Start Build 2.00	
4,429.08	4,427.48	29.38	12.87	Start 2237.25 hold at 4429.08 MD	
6,666.32	6,639.68	335.16	146.81	Start DLS 10.00 TFO 156.48	
7,642.47	7,290.00	-230.00	182.00	Start DLS 1.00 TFO 124.65	
7,644.57	7,290.01	-232.10	181.99	Start 4176.54 hold at 7644.57 MD	
11,821.11	7,310.01	-4,408.51	155.22	TD at 11821.11	