

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_GOBBLER 14-23HZ PAD

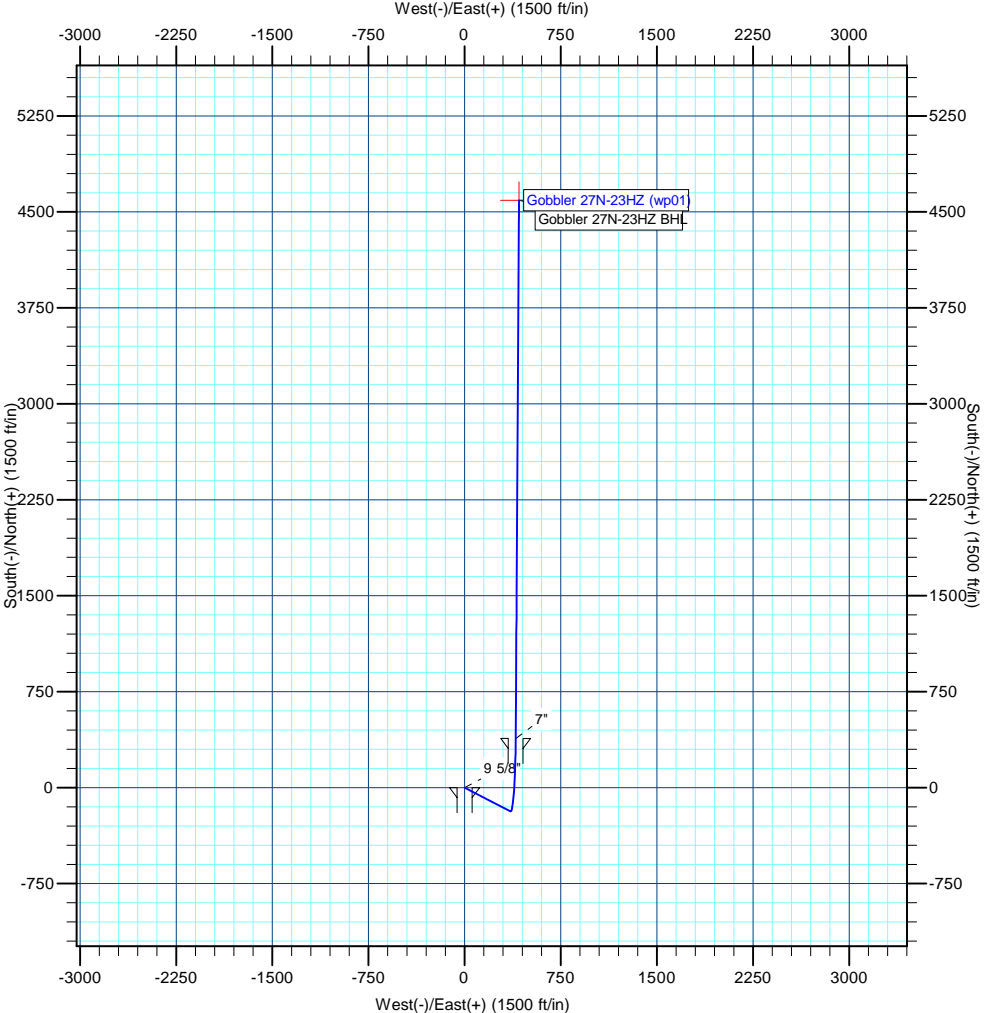
Gobbler 27N-23HZ

Gobbler 27N-23HZ

Plan: Gobbler 27N-23HZ (wp01)

Standard Planning Report

20 March, 2012



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Azimuths to True North

Magnetic North: 8.72°

Magnetic Field

Strength: 52902.8snT

Dip Angle: 66.80°

Date: 3/19/2012

Model: IGRF2010



Project: COLORADO NORTHERN ZONE - 83

Site: WELD GOBBLER 14-23HZ PAD

Well: Gobbler 27N-23HZ

Wellbore: Gobbler 27N-23HZ

Section:

SHL:

Design: Gobbler 27N-23HZ (wp01)

Latitude: 40.117147

Longitude: -104.740550

GL: 5093.00

KB: rkb + gl @ 5110.00ft

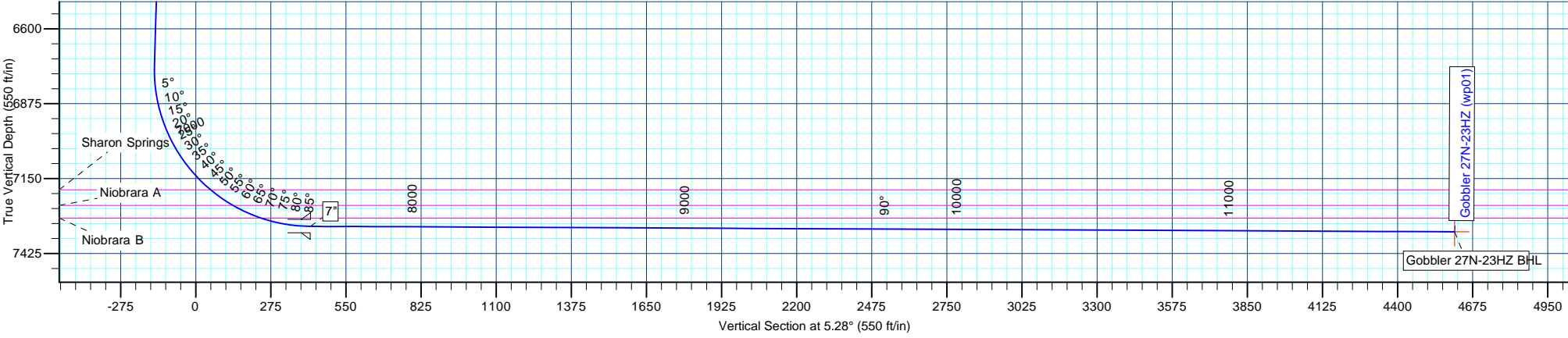
WELL DETAILS: Gobbler 27N-23HZ						
+N/-S	+E/-W	Northing	Ground Level: Easting	5093.00 Latitude	Longitude	Slot
0.00	0.00	1286430.20	3212394.57	40.117147	-104.740550	

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
1150.00	0.00	0.00	1150.00	0.00	0.00	0.00	0.00	0.00
1360.04	4.20	117.36	1359.85	-3.54	6.84	2.00	117.36	-2.89
6748.88	4.20	117.36	6734.21	-184.94	357.44	0.00	0.00	-151.23
7665.48	89.75	0.31	7325.00	385.00	399.00	10.00	-117.00	420.11
7669.83	89.73	0.35	7325.02	389.35	399.02	1.00	121.71	424.44
1870.18	89.73	0.35	7345.00	4589.58	424.46	0.00	0.00	4609.17

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Gobbler 27N-23HZ BHL	7345.00	4589.58	424.46	40.129746	-104.739032	Point

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4200.00	4207.84	Parkman
4603.00	4611.92	Sussex
7191.00	7267.60	Sharon Springs
7248.00	7367.16	Niobrara A
7295.00	7481.53	Niobrara B

CASING DETAILS			
TVD	MD	Name	Size
1000.00	1000.00	9 5/8"	9-5/8
7325.00	7665.48	7"	7



Anadarko Petroleum Corp

Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Gobbler 27N-23HZ
Company:	US ROCKIES REGION PLANNING	TVD Reference:	rkb + gl @ 5110.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	rkb + gl @ 5110.00ft
Site:	WELD_GOBBLER 14-23HZ PAD	North Reference:	True
Well:	Gobbler 27N-23HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gobbler 27N-23HZ		
Design:	Gobbler 27N-23HZ (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_GOBBLER 14-23HZ PAD			
Site Position:		Northing:	1,286,429.60 usft	Latitude:	40.117146
From:	Lat/Long	Easting:	3,212,364.65 usft	Longitude:	-104.740657
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.49 °

Well	Gobbler 27N-23HZ					
Well Position	+N/-S	0.35 ft	Northing:	1,286,430.20 usft	Latitude:	40.117147
	+E/-W	29.93 ft	Easting:	3,212,394.57 usft	Longitude:	-104.740550
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,093.00 ft

Wellbore	Gobbler 27N-23HZ				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/19/2012	8.72	66.80	52,903

Design	Gobbler 27N-23HZ (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	5.28

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	
1,150.00	0.00	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,360.04	4.20	117.36	1,359.85	-3.54	6.84	2.00	2.00	0.00	117.36	
6,748.88	4.20	117.36	6,734.21	-184.94	357.44	0.00	0.00	0.00	0.00	
7,665.48	89.75	0.31	7,325.00	385.00	399.00	10.00	9.33	-12.77	-117.00	
7,669.83	89.73	0.35	7,325.02	389.35	399.02	1.00	-0.53	0.85	121.71	
11,870.18	89.73	0.35	7,345.00	4,589.58	424.46	0.00	0.00	0.00	0.00	Gobbler 27N-23HZ BI

Anadarko Petroleum Corp

Planning Report

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Company:	US ROCKIES REGION PLANNING	TVD Reference:	rkb + gl @ 5110.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	rkb + gl @ 5110.00ft
Site:	WELD_GOBBLER 14-23HZ PAD	North Reference:	True
Well:	Gobbler 27N-23HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gobbler 27N-23HZ		
Design:	Gobbler 27N-23HZ (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
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,150.00	0.00	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,200.00	1.00	117.36	1,200.00	-0.20	0.39	-0.16	2.00	2.00	0.00
1,300.00	3.00	117.36	1,299.93	-1.81	3.49	-1.48	2.00	2.00	0.00
1,360.04	4.20	117.36	1,359.85	-3.54	6.84	-2.89	2.00	2.00	0.00
Start 5388.84 hold at 1360.04 MD									
1,400.00	4.20	117.36	1,399.70	-4.89	9.44	-3.99	0.00	0.00	0.00
1,500.00	4.20	117.36	1,499.44	-8.25	15.94	-6.74	0.00	0.00	0.00
1,600.00	4.20	117.36	1,599.17	-11.62	22.45	-9.50	0.00	0.00	0.00
1,700.00	4.20	117.36	1,698.90	-14.98	28.95	-12.25	0.00	0.00	0.00
1,800.00	4.20	117.36	1,798.63	-18.35	35.46	-15.00	0.00	0.00	0.00
1,900.00	4.20	117.36	1,898.36	-21.72	41.97	-17.76	0.00	0.00	0.00
2,000.00	4.20	117.36	1,998.09	-25.08	48.47	-20.51	0.00	0.00	0.00
2,100.00	4.20	117.36	2,097.82	-28.45	54.98	-23.26	0.00	0.00	0.00
2,200.00	4.20	117.36	2,197.56	-31.82	61.48	-26.01	0.00	0.00	0.00
2,300.00	4.20	117.36	2,297.29	-35.18	67.99	-28.77	0.00	0.00	0.00
2,400.00	4.20	117.36	2,397.02	-38.55	74.50	-31.52	0.00	0.00	0.00
2,500.00	4.20	117.36	2,496.75	-41.91	81.00	-34.27	0.00	0.00	0.00
2,600.00	4.20	117.36	2,596.48	-45.28	87.51	-37.02	0.00	0.00	0.00
2,700.00	4.20	117.36	2,696.21	-48.65	94.01	-39.78	0.00	0.00	0.00
2,800.00	4.20	117.36	2,795.94	-52.01	100.52	-42.53	0.00	0.00	0.00
2,900.00	4.20	117.36	2,895.67	-55.38	107.03	-45.28	0.00	0.00	0.00
3,000.00	4.20	117.36	2,995.41	-58.74	113.53	-48.04	0.00	0.00	0.00
3,100.00	4.20	117.36	3,095.14	-62.11	120.04	-50.79	0.00	0.00	0.00
3,200.00	4.20	117.36	3,194.87	-65.48	126.54	-53.54	0.00	0.00	0.00
3,300.00	4.20	117.36	3,294.60	-68.84	133.05	-56.29	0.00	0.00	0.00
3,400.00	4.20	117.36	3,394.33	-72.21	139.56	-59.05	0.00	0.00	0.00
3,500.00	4.20	117.36	3,494.06	-75.58	146.06	-61.80	0.00	0.00	0.00
3,600.00	4.20	117.36	3,593.79	-78.94	152.57	-64.55	0.00	0.00	0.00
3,700.00	4.20	117.36	3,693.53	-82.31	159.07	-67.30	0.00	0.00	0.00
3,800.00	4.20	117.36	3,793.26	-85.67	165.58	-70.06	0.00	0.00	0.00
3,900.00	4.20	117.36	3,892.99	-89.04	172.09	-72.81	0.00	0.00	0.00
4,000.00	4.20	117.36	3,992.72	-92.41	178.59	-75.56	0.00	0.00	0.00
4,100.00	4.20	117.36	4,092.45	-95.77	185.10	-78.31	0.00	0.00	0.00
4,200.00	4.20	117.36	4,192.18	-99.14	191.60	-81.07	0.00	0.00	0.00
4,207.84	4.20	117.36	4,200.00	-99.40	192.11	-81.28	0.00	0.00	0.00
Parkman									
4,300.00	4.20	117.36	4,291.91	-102.50	198.11	-83.82	0.00	0.00	0.00
4,400.00	4.20	117.36	4,391.64	-105.87	204.62	-86.57	0.00	0.00	0.00
4,500.00	4.20	117.36	4,491.38	-109.24	211.12	-89.33	0.00	0.00	0.00
4,600.00	4.20	117.36	4,591.11	-112.60	217.63	-92.08	0.00	0.00	0.00

Anadarko Petroleum Corp

Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Gobbler 27N-23HZ
Company:	US ROCKIES REGION PLANNING	TVD Reference:	rkb + gl @ 5110.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	rkb + gl @ 5110.00ft
Site:	WELD_GOBBLER 14-23HZ PAD	North Reference:	True
Well:	Gobbler 27N-23HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gobbler 27N-23HZ		
Design:	Gobbler 27N-23HZ (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)
4,611.92	4.20	117.36	4,603.00	-113.00	218.40	-92.41	0.00	0.00	0.00
Sussex									
4,700.00	4.20	117.36	4,690.84	-115.97	224.14	-94.83	0.00	0.00	0.00
4,800.00	4.20	117.36	4,790.57	-119.34	230.64	-97.58	0.00	0.00	0.00
4,900.00	4.20	117.36	4,890.30	-122.70	237.15	-100.34	0.00	0.00	0.00
5,000.00	4.20	117.36	4,990.03	-126.07	243.65	-103.09	0.00	0.00	0.00
5,100.00	4.20	117.36	5,089.76	-129.43	250.16	-105.84	0.00	0.00	0.00
5,200.00	4.20	117.36	5,189.50	-132.80	256.67	-108.59	0.00	0.00	0.00
5,300.00	4.20	117.36	5,289.23	-136.17	263.17	-111.35	0.00	0.00	0.00
5,400.00	4.20	117.36	5,388.96	-139.53	269.68	-114.10	0.00	0.00	0.00
5,500.00	4.20	117.36	5,488.69	-142.90	276.18	-116.85	0.00	0.00	0.00
5,600.00	4.20	117.36	5,588.42	-146.26	282.69	-119.61	0.00	0.00	0.00
5,700.00	4.20	117.36	5,688.15	-149.63	289.20	-122.36	0.00	0.00	0.00
5,800.00	4.20	117.36	5,787.88	-153.00	295.70	-125.11	0.00	0.00	0.00
5,900.00	4.20	117.36	5,887.61	-156.36	302.21	-127.86	0.00	0.00	0.00
6,000.00	4.20	117.36	5,987.35	-159.73	308.71	-130.62	0.00	0.00	0.00
6,100.00	4.20	117.36	6,087.08	-163.09	315.22	-133.37	0.00	0.00	0.00
6,200.00	4.20	117.36	6,186.81	-166.46	321.73	-136.12	0.00	0.00	0.00
6,300.00	4.20	117.36	6,286.54	-169.83	328.23	-138.87	0.00	0.00	0.00
6,400.00	4.20	117.36	6,386.27	-173.19	334.74	-141.63	0.00	0.00	0.00
6,500.00	4.20	117.36	6,486.00	-176.56	341.24	-144.38	0.00	0.00	0.00
6,600.00	4.20	117.36	6,585.73	-179.93	347.75	-147.13	0.00	0.00	0.00
6,700.00	4.20	117.36	6,685.47	-183.29	354.26	-149.88	0.00	0.00	0.00
6,748.88	4.20	117.36	6,734.21	-184.94	357.44	-151.23	0.00	0.00	0.00
Start DLS 10.00 TFO -117.00									
6,800.00	4.92	49.69	6,785.21	-184.38	360.77	-150.37	10.00	1.41	-132.36
6,900.00	13.71	15.84	6,883.85	-170.16	367.30	-135.61	10.00	8.79	-33.85
7,000.00	23.49	8.95	6,978.52	-139.00	373.65	-103.99	10.00	9.77	-6.89
7,100.00	33.39	5.99	7,066.35	-91.83	379.64	-56.47	10.00	9.90	-2.96
7,200.00	43.33	4.27	7,144.66	-30.09	385.08	5.50	10.00	9.94	-1.72
7,267.60	50.06	3.43	7,191.00	18.97	388.36	54.65	10.00	9.96	-1.24
Sharon Springs									
7,300.00	53.29	3.09	7,211.09	44.34	389.80	80.05	10.00	9.97	-1.06
7,367.16	59.99	2.46	7,248.00	100.34	392.50	136.07	10.00	9.97	-0.94
Niobrara A									
7,400.00	63.26	2.18	7,263.60	129.21	393.67	164.91	10.00	9.97	-0.84
7,481.53	71.40	1.56	7,295.00	204.34	396.11	239.95	10.00	9.97	-0.77
Niobrara B									
7,500.00	73.24	1.42	7,300.61	221.92	396.57	257.51	10.00	9.98	-0.72
7,600.00	83.22	0.74	7,320.99	319.68	398.40	355.01	10.00	9.98	-0.68
7,665.48	89.75	0.31	7,325.00	385.00	399.00	420.11	10.00	9.98	-0.66
Start DLS 1.00 TFO 121.71 - 7"									
7,669.83	89.73	0.35	7,325.02	389.35	399.02	424.44	1.00	-0.53	0.85
Start 4200.35 hold at 7669.83 MD									
7,700.00	89.73	0.35	7,325.16	419.52	399.21	454.50	0.00	0.00	0.00
7,800.00	89.73	0.35	7,325.64	519.51	399.81	554.13	0.00	0.00	0.00
7,900.00	89.73	0.35	7,326.11	619.51	400.42	653.76	0.00	0.00	0.00
8,000.00	89.73	0.35	7,326.59	719.51	401.02	753.39	0.00	0.00	0.00
8,100.00	89.73	0.35	7,327.07	819.50	401.63	853.01	0.00	0.00	0.00
8,200.00	89.73	0.35	7,327.54	919.50	402.24	952.64	0.00	0.00	0.00
8,300.00	89.73	0.35	7,328.02	1,019.50	402.84	1,052.27	0.00	0.00	0.00
8,400.00	89.73	0.35	7,328.49	1,119.50	403.45	1,151.90	0.00	0.00	0.00
8,500.00	89.73	0.35	7,328.97	1,219.49	404.05	1,251.52	0.00	0.00	0.00

Anadarko Petroleum Corp

Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Gobbler 27N-23HZ
Company:	US ROCKIES REGION PLANNING	TVD Reference:	rkb + gl @ 5110.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	rkb + gl @ 5110.00ft
Site:	WELD_GOBBLER 14-23HZ PAD	North Reference:	True
Well:	Gobbler 27N-23HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gobbler 27N-23HZ		
Design:	Gobbler 27N-23HZ (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)	
8,600.00	89.73	0.35	7,329.44	1,319.49	404.66	1,351.15	0.00	0.00	0.00	
8,700.00	89.73	0.35	7,329.92	1,419.49	405.26	1,450.78	0.00	0.00	0.00	
8,800.00	89.73	0.35	7,330.40	1,519.48	405.87	1,550.41	0.00	0.00	0.00	
8,900.00	89.73	0.35	7,330.87	1,619.48	406.48	1,650.04	0.00	0.00	0.00	
9,000.00	89.73	0.35	7,331.35	1,719.48	407.08	1,749.66	0.00	0.00	0.00	
9,100.00	89.73	0.35	7,331.82	1,819.48	407.69	1,849.29	0.00	0.00	0.00	
9,200.00	89.73	0.35	7,332.30	1,919.47	408.29	1,948.92	0.00	0.00	0.00	
9,300.00	89.73	0.35	7,332.77	2,019.47	408.90	2,048.55	0.00	0.00	0.00	
9,400.00	89.73	0.35	7,333.25	2,119.47	409.50	2,148.18	0.00	0.00	0.00	
9,500.00	89.73	0.35	7,333.73	2,219.46	410.11	2,247.80	0.00	0.00	0.00	
9,600.00	89.73	0.35	7,334.20	2,319.46	410.72	2,347.43	0.00	0.00	0.00	
9,700.00	89.73	0.35	7,334.68	2,419.46	411.32	2,447.06	0.00	0.00	0.00	
9,800.00	89.73	0.35	7,335.15	2,519.45	411.93	2,546.69	0.00	0.00	0.00	
9,900.00	89.73	0.35	7,335.63	2,619.45	412.53	2,646.32	0.00	0.00	0.00	
10,000.00	89.73	0.35	7,336.10	2,719.45	413.14	2,745.94	0.00	0.00	0.00	
10,100.00	89.73	0.35	7,336.58	2,819.45	413.74	2,845.57	0.00	0.00	0.00	
10,200.00	89.73	0.35	7,337.06	2,919.44	414.35	2,945.20	0.00	0.00	0.00	
10,300.00	89.73	0.35	7,337.53	3,019.44	414.95	3,044.83	0.00	0.00	0.00	
10,400.00	89.73	0.35	7,338.01	3,119.44	415.56	3,144.45	0.00	0.00	0.00	
10,500.00	89.73	0.35	7,338.48	3,219.43	416.17	3,244.08	0.00	0.00	0.00	
10,600.00	89.73	0.35	7,338.96	3,319.43	416.77	3,343.71	0.00	0.00	0.00	
10,700.00	89.73	0.35	7,339.43	3,419.43	417.38	3,443.34	0.00	0.00	0.00	
10,800.00	89.73	0.35	7,339.91	3,519.42	417.98	3,542.97	0.00	0.00	0.00	
10,900.00	89.73	0.35	7,340.39	3,619.42	418.59	3,642.59	0.00	0.00	0.00	
11,000.00	89.73	0.35	7,340.86	3,719.42	419.19	3,742.22	0.00	0.00	0.00	
11,100.00	89.73	0.35	7,341.34	3,819.42	419.80	3,841.85	0.00	0.00	0.00	
11,200.00	89.73	0.35	7,341.81	3,919.41	420.41	3,941.48	0.00	0.00	0.00	
11,300.00	89.73	0.35	7,342.29	4,019.41	421.01	4,041.11	0.00	0.00	0.00	
11,400.00	89.73	0.35	7,342.76	4,119.41	421.62	4,140.73	0.00	0.00	0.00	
11,500.00	89.73	0.35	7,343.24	4,219.40	422.22	4,240.36	0.00	0.00	0.00	
11,600.00	89.73	0.35	7,343.71	4,319.40	422.83	4,339.99	0.00	0.00	0.00	
11,700.00	89.73	0.35	7,344.19	4,419.40	423.43	4,439.62	0.00	0.00	0.00	
11,800.00	89.73	0.35	7,344.67	4,519.40	424.04	4,539.25	0.00	0.00	0.00	
11,870.18	89.73	0.35	7,345.00	4,589.57	424.46	4,609.16	0.00	0.00	0.00	
TD at 11870.18 - Gobbler 27N-23HZ BHL										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Gobbler 27N-23HZ BHL	0.00	0.00	7,345.00	4,589.58	424.46	1,291,023.24	3,212,779.71	40.129746	-104.739032
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
1,000.00	1,000.00	9 5/8"	9-5/8	12-1/4	
7,665.48	7,325.00	7"	7	8-3/4	

Anadarko Petroleum Corp

Planning Report

Database:	edmp	Local Co-ordinate Reference:	Well Gobbler 27N-23HZ
Company:	US ROCKIES REGION PLANNING	TVD Reference:	rkb + gl @ 5110.00ft
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	rkb + gl @ 5110.00ft
Site:	WELD_GOBBLER 14-23HZ PAD	North Reference:	True
Well:	Gobbler 27N-23HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gobbler 27N-23HZ		
Design:	Gobbler 27N-23HZ (wp01)		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,207.84	4,200.00	Parkman				
4,611.92	4,603.00	Sussex				
7,267.60	7,191.00	Sharon Springs				
7,367.16	7,248.00	Niobrara A				
7,481.53	7,295.00	Niobrara B				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,150.00	1,150.00	0.00	0.00	Start Build 2.00	
1,360.04	1,359.85	-3.54	6.84	Start 5388.84 hold at 1360.04 MD	
6,748.88	6,734.21	-184.94	357.44	Start DLS 10.00 TFO -117.00	
7,665.48	7,325.00	385.00	399.00	Start DLS 1.00 TFO 121.71	
7,669.83	7,325.02	389.35	399.02	Start 4200.35 hold at 7669.83 MD	
11,870.18	7,345.00	4,589.57	424.46	TD at 11870.18	