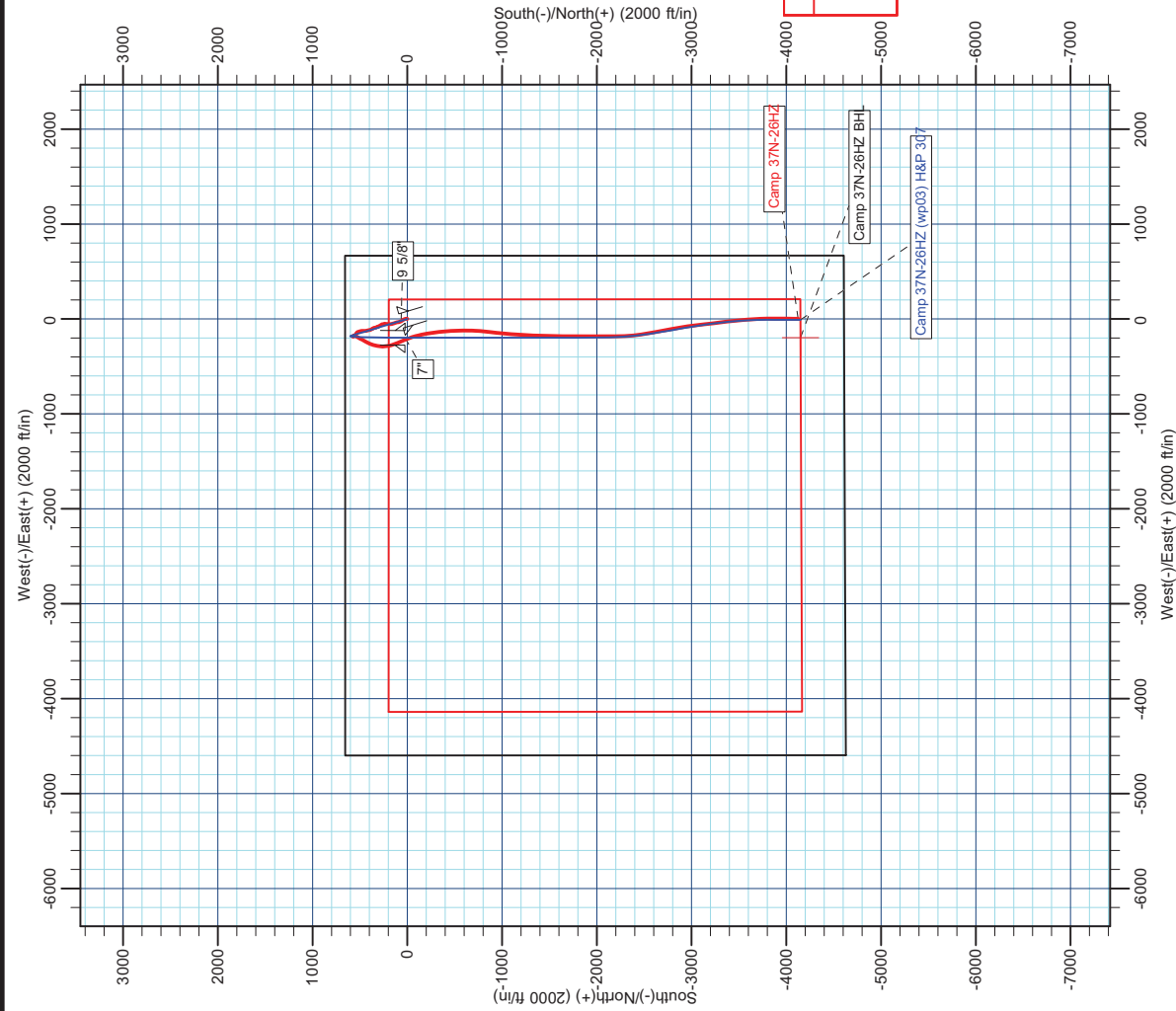


Azimuths to True North
Magnetic North: 8.7°

Magnetic Field
Strength: 52945.4nT
Dip Angle: 66.87°
Date: 3/29/2012
Model: IGRF2010

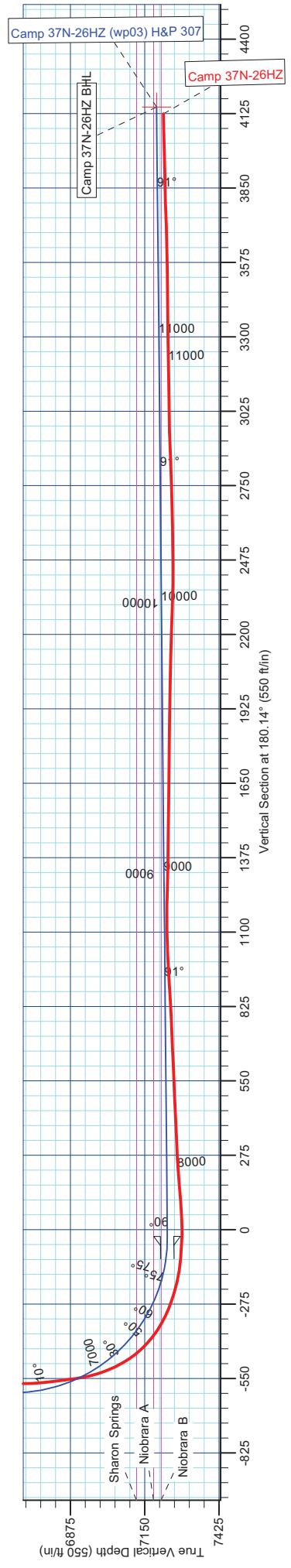


WELL DETAILS: Camp 37N-26HZ				
+N/S	+E/W	Northing	Ground Level: Easting	Slot
0.00	0.00	1317222.56	5014.00 3213033.89	Longitude -104.737317

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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
200.00	2.00	0.00	199.98	1.75	0.00	2.00	0.00	-1.75
387.78	5.63	343.29	387.32	13.84	-2.65	2.00	0.00	-13.84
6638.10	5.63	343.29	6607.52	600.82	-178.88	0.00	-25.50	-600.39
7597.38	90.54	180.01	7234.00	95.00	-196.91	10.00	-163.19	-24.53
7598.41	90.54	180.00	7233.99	23.97	-196.91	1.00	-103.64	-23.50
9622.47	90.54	180.00	7215.00	-200.00	-196.91	0.00	0.00	2000.47
10258.96	90.53	170.45	7209.04	-2633.51	-144.00	1.50	-89.98	2633.85
10747.90	90.53	170.45	7204.50	-3115.66	-62.91	0.00	0.00	3115.81
11384.40	90.60	180.00	7198.19	-3749.19	-10.00	1.50	89.55	3749.20
11784.40	90.60	180.00	7194.00	-4149.17	-10.00	0.00	0.00	4149.18

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
Camp 37N-26HZ BHL	7194.00	-4149.17	-196.91	40.190268	-104.738022
					Shape Point

FORMATION TOP DETAILS				CASING DETAILS			
TVDPath	MDPath	Formation	TVD	MD	Name	Size	
4083.00	4101.36	Plattineau	940.00	943.14	9 5/8"	9-5/8	
4668.00	4689.19	St. Louis	7234.00	7597.38	7"	7	
7120.00	7224.15	Sharon Springs					
7183.00	7348.29	Niobrara A					
7211.00	7428.96	Niobrara B					



US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_CAMP 1-26HZ PAD

Camp 37N-26HZ

Camp 37N-26HZ

Design: Camp 37N-26HZ

Standard Survey Report

11 June, 2012

Anadarko Petroleum Corp

Survey Report

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Camp 37N-26HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	25' RKB + 5014' GL @ 5039.00ft
Site:	WELD_CAMP 1-26HZ PAD	MD Reference:	25' RKB + 5014' GL @ 5039.00ft
Well:	Camp 37N-26HZ	North Reference:	True
Wellbore:	Camp 37N-26HZ	Survey Calculation Method:	Minimum Curvature
Design:	Camp 37N-26HZ	Database:	edmp

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_CAMP 1-26HZ PAD				
Site Position:		Northing:	1,317,212.46 usft	Latitude:	40.201630
From:	Lat/Long	Easting:	3,213,042.68 usft	Longitude:	-104.737286
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.49 °

Well	Camp 37N-26HZ					
Well Position	+N/-S	0.00 ft	Northing:	1,317,222.56 usft	Latitude:	40.201658
	+E/-W	0.00 ft	Easting:	3,213,033.89 usft	Longitude:	-104.737317
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,014.00 ft

Wellbore	Camp 37N-26HZ				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/29/2012	8.73	66.87	52,945

Design	Camp 37N-26HZ				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	185.45	

Survey Program	Date	6/11/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
225.00	11,860.02	tm-reg (Camp 37N-26HZ)			

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	
225.00	1.13	40.70	224.99	1.68	1.45	-1.81	0.50	0.50	0.00	
316.00	1.58	2.90	315.96	3.62	2.10	-3.80	1.07	0.49	-41.54	
407.00	3.56	0.29	406.87	7.69	2.17	-7.87	2.18	2.18	-2.87	
498.00	4.87	0.49	497.62	14.38	2.22	-14.53	1.44	1.44	0.22	
590.00	5.60	345.95	589.24	22.64	1.16	-22.65	1.64	0.79	-15.80	
681.00	6.13	340.41	679.76	31.53	-1.54	-31.24	0.85	0.58	-6.09	
773.00	6.67	325.49	771.20	40.56	-6.22	-39.78	1.89	0.59	-16.22	
864.00	6.16	324.52	861.63	48.89	-12.05	-47.52	0.57	-0.56	-1.07	
904.00	6.24	325.14	901.39	52.42	-14.53	-50.80	0.26	0.20	1.55	

Anadarko Petroleum Corp

Survey Report

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Camp 37N-26HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	25' RKB + 5014' GL @ 5039.00ft
Site:	WELD_CAMP 1-26HZ PAD	MD Reference:	25' RKB + 5014' GL @ 5039.00ft
Well:	Camp 37N-26HZ	North Reference:	True
Wellbore:	Camp 37N-26HZ	Survey Calculation Method:	Minimum Curvature
Design:	Camp 37N-26HZ	Database:	edmp

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)
1,051.00	6.51	326.76	1,047.48	65.95	-23.67	-63.40	0.22	0.18	1.10
1,143.00	5.65	344.37	1,138.97	74.67	-27.75	-71.69	2.22	-0.93	19.14
1,235.00	5.07	342.28	1,230.57	82.90	-30.20	-79.66	0.67	-0.63	-2.27
1,327.00	6.51	349.78	1,322.10	91.91	-32.37	-88.42	1.76	1.57	8.15
1,419.00	6.49	350.66	1,413.51	102.17	-34.14	-98.46	0.11	-0.02	0.96
1,514.00	6.17	348.13	1,507.93	112.47	-36.06	-108.53	0.45	-0.34	-2.66
1,609.00	6.17	341.33	1,602.38	122.30	-38.74	-118.06	0.77	0.00	-7.16
1,704.00	6.16	342.76	1,696.83	132.00	-41.89	-127.42	0.16	-0.01	1.51
1,798.00	5.44	342.61	1,790.35	141.07	-44.71	-136.18	0.77	-0.77	-0.16
1,893.00	4.77	337.52	1,884.97	149.02	-47.57	-143.82	0.85	-0.71	-5.36
1,988.00	5.59	352.47	1,979.59	157.26	-49.69	-151.82	1.66	0.86	15.74
2,083.00	4.61	342.87	2,074.21	165.49	-51.42	-159.86	1.36	-1.03	-10.11
2,178.00	5.89	354.52	2,168.82	173.99	-53.01	-168.17	1.75	1.35	12.26
2,272.00	5.96	0.67	2,262.32	183.67	-53.41	-177.77	0.68	0.07	6.54
2,367.00	7.54	5.05	2,356.65	194.82	-52.80	-188.91	1.75	1.66	4.61
2,463.00	6.55	3.36	2,451.93	206.56	-51.93	-200.68	1.05	-1.03	-1.76
2,557.01	5.16	2.64	2,545.44	216.13	-51.42	-210.26	1.48	-1.48	-0.77
2,652.01	7.70	8.44	2,639.83	226.70	-50.29	-220.89	2.76	2.67	6.11
2,747.01	8.56	353.98	2,733.89	240.02	-50.10	-234.18	2.33	0.91	-15.22
2,842.01	7.60	344.93	2,827.95	253.12	-52.47	-246.99	1.67	-1.01	-9.53
2,936.01	7.34	344.25	2,921.15	264.90	-55.72	-258.41	0.29	-0.28	-0.72
3,031.01	7.64	331.42	3,015.35	276.29	-60.39	-269.30	1.78	0.32	-13.51
3,126.01	7.15	327.73	3,109.56	286.84	-66.56	-279.21	0.72	-0.52	-3.88
3,221.01	6.45	327.06	3,203.89	296.31	-72.62	-288.07	0.74	-0.74	-0.71
3,316.01	5.43	323.48	3,298.38	304.40	-78.20	-295.59	1.14	-1.07	-3.77
3,410.01	5.38	347.86	3,391.97	312.29	-81.77	-303.10	2.43	-0.05	25.94
3,505.01	4.41	344.28	3,486.62	320.16	-83.70	-310.75	1.07	-1.02	-3.77
3,600.01	4.96	334.21	3,581.31	327.37	-86.48	-317.67	1.04	0.58	-10.60
3,695.01	3.85	329.36	3,676.03	333.81	-89.89	-323.76	1.23	-1.17	-5.11
3,790.01	3.09	359.25	3,770.86	339.12	-91.55	-328.88	2.04	-0.80	31.46
3,884.01	4.51	355.43	3,864.65	345.34	-91.87	-335.04	1.53	1.51	-4.06
3,979.01	5.63	340.91	3,959.28	353.46	-93.70	-342.96	1.78	1.18	-15.28
4,074.01	3.85	315.39	4,053.96	360.14	-97.46	-349.24	2.86	-1.87	-26.86
4,169.01	4.41	327.16	4,148.72	365.48	-101.68	-354.16	1.07	0.59	12.39
4,264.01	5.04	329.68	4,243.39	372.15	-105.77	-360.41	0.70	0.66	2.65
4,358.01	5.08	340.48	4,337.03	379.64	-109.24	-367.53	1.01	0.04	11.49
4,453.01	5.62	338.61	4,431.62	387.93	-112.35	-375.50	0.60	0.57	-1.97
4,548.01	5.62	349.28	4,526.16	396.83	-114.91	-384.11	1.10	0.00	11.23
4,642.01	6.31	351.75	4,619.65	406.47	-116.51	-393.55	0.78	0.73	2.63
4,737.01	5.83	346.95	4,714.12	416.34	-118.34	-403.20	0.73	-0.51	-5.05
4,832.01	5.41	343.67	4,808.66	425.33	-120.69	-411.94	0.56	-0.44	-3.45
4,927.01	4.25	336.93	4,903.33	432.87	-123.33	-419.19	1.36	-1.22	-7.09
5,022.01	4.85	347.61	4,998.03	440.03	-125.57	-426.10	1.09	0.63	11.24
5,118.01	5.17	2.08	5,093.67	448.32	-126.29	-434.28	1.35	0.33	15.07

Anadarko Petroleum Corp

Survey Report

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Camp 37N-26HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	25' RKB + 5014' GL @ 5039.00ft
Site:	WELD_CAMP 1-26HZ PAD	MD Reference:	25' RKB + 5014' GL @ 5039.00ft
Well:	Camp 37N-26HZ	North Reference:	True
Wellbore:	Camp 37N-26HZ	Survey Calculation Method:	Minimum Curvature
Design:	Camp 37N-26HZ	Database:	edmp

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)	
5,213.01	6.02	5.17	5,188.21	457.56	-125.68	-443.54	0.95	0.89	3.25	
5,308.01	7.49	4.08	5,282.55	468.70	-124.79	-454.71	1.55	1.55	-1.15	
5,404.01	8.60	352.16	5,377.61	482.05	-125.33	-467.95	2.08	1.16	-12.42	
5,498.01	6.69	347.73	5,470.77	494.36	-127.45	-480.01	2.12	-2.03	-4.71	
5,593.01	5.14	344.04	5,565.26	503.86	-129.80	-489.24	1.68	-1.63	-3.88	
5,688.01	3.75	338.02	5,659.98	510.83	-132.13	-495.96	1.54	-1.46	-6.34	
5,784.01	5.08	341.04	5,755.69	517.77	-134.68	-502.62	1.41	1.39	3.15	
5,879.01	5.86	328.91	5,850.26	525.90	-138.56	-510.35	1.46	0.82	-12.77	
5,974.01	4.35	311.87	5,944.89	532.46	-143.74	-516.38	2.24	-1.59	-17.94	
6,070.01	5.98	299.02	6,040.50	537.31	-150.83	-520.54	2.07	1.70	-13.39	
6,165.01	6.58	307.04	6,134.93	542.99	-159.50	-525.37	1.12	0.63	8.44	
6,260.01	5.73	315.47	6,229.38	549.65	-167.17	-531.27	1.30	-0.89	8.87	
6,356.01	7.57	332.28	6,324.74	558.67	-173.47	-539.65	2.77	1.92	17.51	
6,452.01	6.07	335.57	6,420.06	568.89	-178.52	-549.34	1.61	-1.56	3.43	
6,480.01	5.40	326.23	6,447.92	571.33	-179.86	-551.65	4.10	-2.39	-33.36	
6,543.01	4.41	295.76	6,510.70	574.85	-183.69	-554.78	4.36	-1.57	-48.37	
6,575.01	3.74	247.47	6,542.63	574.98	-185.76	-554.72	10.58	-2.09	-150.91	
6,606.01	5.79	180.34	6,573.54	573.03	-186.71	-552.69	17.86	6.61	-216.55	
6,638.01	7.14	141.86	6,605.35	569.85	-185.49	-549.64	13.87	4.22	-120.25	
6,669.01	5.82	100.55	6,636.17	568.05	-182.75	-548.10	15.25	-4.26	-133.26	
6,701.01	5.39	66.98	6,668.02	568.34	-179.77	-548.67	10.18	-1.34	-104.91	
6,733.01	4.00	75.11	6,699.91	569.21	-177.31	-549.78	4.81	-4.34	25.41	
6,764.01	3.62	151.21	6,730.86	568.63	-175.79	-549.35	15.17	-1.23	245.48	
6,796.01	5.79	169.66	6,762.76	566.16	-175.02	-546.96	8.18	6.78	57.66	
6,828.01	6.02	170.67	6,794.59	562.91	-174.45	-543.78	0.79	0.72	3.16	
6,860.01	6.67	185.40	6,826.39	559.41	-174.36	-540.30	5.46	2.03	46.03	
6,892.01	8.08	200.07	6,858.13	555.44	-175.30	-536.27	7.32	4.41	45.84	
6,923.01	8.76	204.95	6,888.80	551.26	-177.05	-531.93	3.18	2.19	15.74	
6,955.01	12.10	211.87	6,920.26	546.20	-179.85	-526.63	11.13	10.44	21.63	
6,986.01	16.00	209.79	6,950.33	539.73	-183.69	-519.82	12.68	12.58	-6.71	
7,018.01	20.08	208.07	6,980.75	531.05	-188.46	-510.73	12.86	12.75	-5.38	
7,049.01	24.42	210.23	7,009.44	520.81	-194.20	-499.99	14.24	14.00	6.97	
7,081.01	28.54	210.49	7,038.07	508.50	-201.41	-487.06	12.88	12.88	0.81	
7,113.01	32.99	209.52	7,065.56	494.33	-209.59	-472.17	13.99	13.91	-3.03	
7,144.01	37.57	207.60	7,090.86	478.60	-218.13	-455.70	15.20	14.77	-6.19	
7,176.01	41.70	207.38	7,115.50	460.50	-227.55	-436.78	12.91	12.91	-0.69	
7,208.01	45.97	207.56	7,138.58	440.84	-237.77	-416.24	13.35	13.34	0.56	
7,240.01	51.19	207.85	7,159.74	419.60	-248.92	-394.04	16.33	16.31	0.91	
7,271.01	54.63	204.55	7,178.44	397.41	-259.82	-370.92	13.97	11.10	-10.65	
7,303.01	57.33	199.56	7,196.35	372.84	-269.76	-345.51	15.43	8.44	-15.59	
7,334.01	61.29	194.61	7,212.17	347.37	-277.56	-319.41	18.75	12.77	-15.97	
7,366.01	64.90	189.78	7,226.66	319.49	-283.57	-291.09	17.56	11.28	-15.09	
7,397.01	67.95	185.34	7,239.06	291.33	-287.29	-262.71	16.40	9.84	-14.32	

Anadarko Petroleum Corp

Survey Report

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Camp 37N-26HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	25' RKB + 5014' GL @ 5039.00ft
Site:	WELD_CAMP 1-26HZ PAD	MD Reference:	25' RKB + 5014' GL @ 5039.00ft
Well:	Camp 37N-26HZ	North Reference:	True
Wellbore:	Camp 37N-26HZ	Survey Calculation Method:	Minimum Curvature
Design:	Camp 37N-26HZ	Database:	edmp

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)
7,429.02	71.53	180.55	7,250.15	261.37	-288.82	-232.73	17.95	11.19	-14.97
7,461.02	73.72	175.76	7,259.71	230.86	-287.83	-202.45	15.84	6.84	-14.97
7,492.02	76.25	170.24	7,267.74	201.15	-284.17	-173.23	19.03	8.16	-17.81
7,525.02	79.47	164.42	7,274.69	169.70	-277.09	-142.59	19.81	9.76	-17.64
7,556.02	82.71	160.21	7,279.49	140.53	-267.79	-114.44	17.01	10.45	-13.58
7,587.02	86.01	155.70	7,282.54	111.95	-256.21	-87.09	17.97	10.65	-14.55
7,619.02	86.57	155.68	7,284.61	82.85	-243.06	-59.37	1.75	1.75	-0.06
7,650.02	85.87	156.41	7,286.65	54.58	-230.50	-32.42	3.26	-2.26	2.35
7,682.02	88.04	157.19	7,288.35	25.21	-217.92	-4.38	7.20	6.78	2.44
7,734.18	91.77	160.84	7,288.44	-23.48	-199.24	42.31	10.01	7.15	7.00
7"									
7,769.02	94.26	163.29	7,286.61	-56.57	-188.53	74.23	10.01	7.14	7.02
7,800.02	94.20	164.64	7,284.32	-86.28	-179.99	103.00	4.35	-0.19	4.35
7,831.02	94.38	166.69	7,282.00	-116.23	-172.34	132.08	6.62	0.58	6.61
7,863.02	94.75	168.50	7,279.45	-147.38	-165.49	162.44	5.76	1.16	5.66
7,926.02	93.61	170.37	7,274.86	-209.14	-153.97	222.83	3.47	-1.81	2.97
8,021.02	92.77	172.37	7,269.57	-302.92	-139.74	314.83	2.28	-0.88	2.11
8,116.02	92.84	174.85	7,264.92	-397.21	-129.18	407.69	2.61	0.07	2.61
8,210.02	92.20	177.42	7,260.79	-490.90	-122.85	500.35	2.81	-0.68	2.73
8,305.02	92.47	179.74	7,256.92	-585.78	-120.50	594.58	2.46	0.28	2.44
8,400.02	92.84	182.30	7,252.52	-680.66	-122.18	689.19	2.72	0.39	2.69
8,494.02	92.20	185.00	7,248.38	-774.37	-128.16	783.04	2.95	-0.68	2.87
8,588.02	93.27	185.02	7,243.90	-867.90	-136.36	876.93	1.14	1.14	0.02
8,684.02	93.79	185.00	7,237.99	-963.35	-144.73	972.75	0.54	0.54	-0.02
8,779.02	92.03	185.22	7,233.17	-1,057.85	-153.18	1,067.62	1.87	-1.85	0.23
8,874.02	89.51	185.80	7,231.89	-1,152.39	-162.30	1,162.60	2.72	-2.65	0.61
8,969.02	88.27	184.16	7,233.73	-1,247.01	-170.55	1,257.57	2.16	-1.31	-1.73
9,063.02	89.08	181.01	7,235.90	-1,340.88	-174.78	1,351.42	3.46	0.86	-3.35
9,159.02	89.32	180.97	7,237.24	-1,436.85	-176.44	1,447.12	0.25	0.25	-0.04
9,254.02	89.47	180.77	7,238.25	-1,531.84	-177.88	1,541.81	0.26	0.16	-0.21
9,349.02	89.32	180.83	7,239.25	-1,626.82	-179.21	1,636.49	0.17	-0.16	0.06
9,443.02	89.29	180.77	7,240.39	-1,720.81	-180.52	1,730.17	0.07	-0.03	-0.06
9,537.02	89.26	180.73	7,241.58	-1,814.79	-181.75	1,823.85	0.05	-0.03	-0.04
9,633.02	89.26	180.11	7,242.82	-1,910.78	-182.46	1,919.47	0.65	0.00	-0.65
9,728.02	89.01	178.86	7,244.25	-2,005.76	-181.60	2,013.94	1.34	-0.26	-1.32
9,823.02	88.95	180.30	7,245.95	-2,100.74	-180.91	2,108.43	1.52	-0.06	1.52
9,919.02	87.96	180.30	7,248.53	-2,196.71	-181.41	2,204.00	1.03	-1.03	0.00
10,013.02	87.96	178.04	7,251.88	-2,290.63	-180.05	2,297.37	2.40	0.00	-2.40
10,108.02	88.64	174.41	7,254.70	-2,385.37	-173.80	2,391.09	3.89	0.72	-3.82
10,203.02	91.11	171.24	7,254.91	-2,479.60	-161.93	2,483.77	4.23	2.60	-3.34
10,298.02	91.11	169.25	7,253.07	-2,573.21	-145.84	2,575.42	2.09	0.00	-2.09
10,393.02	90.49	169.08	7,251.74	-2,666.51	-127.99	2,666.60	0.68	-0.65	-0.18
10,487.02	92.38	169.84	7,249.39	-2,758.89	-110.80	2,756.93	2.17	2.01	0.81
10,583.02	92.53	169.89	7,245.27	-2,853.30	-93.92	2,849.31	0.16	0.16	0.05

Anadarko Petroleum Corp

Survey Report

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Camp 37N-26HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	25' RKB + 5014' GL @ 5039.00ft
Site:	WELD_CAMP 1-26HZ PAD	MD Reference:	25' RKB + 5014' GL @ 5039.00ft
Well:	Camp 37N-26HZ	North Reference:	True
Wellbore:	Camp 37N-26HZ	Survey Calculation Method:	Minimum Curvature
Design:	Camp 37N-26HZ	Database:	edmp

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)
10,678.02	91.42	171.58	7,242.00	-2,947.00	-78.63	2,941.13	2.13	-1.17	1.78
10,772.02	90.35	173.89	7,240.55	-3,040.23	-66.75	3,032.81	2.71	-1.14	2.46
10,867.02	91.06	173.19	7,239.38	-3,134.62	-56.06	3,125.75	1.05	0.75	-0.74
10,963.02	91.15	173.01	7,237.53	-3,229.90	-44.53	3,219.51	0.21	0.09	-0.19
11,058.02	90.43	172.35	7,236.22	-3,324.12	-32.43	3,312.15	1.03	-0.76	-0.69
11,153.02	90.92	173.64	7,235.10	-3,418.40	-20.84	3,404.91	1.45	0.52	1.36
11,247.02	90.06	175.87	7,234.29	-3,512.00	-12.25	3,497.26	2.54	-0.91	2.37
11,342.02	91.42	175.42	7,233.07	-3,606.71	-5.04	3,590.86	1.51	1.43	-0.47
11,437.02	92.56	177.06	7,229.77	-3,701.45	1.19	3,684.57	2.10	1.20	1.73
11,532.02	91.17	179.45	7,226.68	-3,796.34	4.08	3,778.77	2.91	-1.46	2.52
11,627.02	91.17	180.10	7,224.74	-3,891.32	4.45	3,873.28	0.68	0.00	0.68
11,722.02	91.30	180.31	7,222.69	-3,986.30	4.11	3,967.86	0.26	0.14	0.22
11,810.02	91.41	180.59	7,220.61	-4,074.27	3.42	4,055.50	0.34	0.13	0.32
11,860.02	91.47	180.75	7,219.35	-4,124.25	2.84	4,105.31	0.34	0.12	0.32

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,734.18	7,288.44	7"	7	8-3/4	

Checked By: _____ Approved By: _____ Date: _____