

Anadarko Petroleum Corp.

Weld County, CO (NAD 83)

Sec. 35-T3N-R66W

Brown 37C-26HZ

Plan B Rev 0

Design: Actual Field Surveys

Survey Report - Geographic

07 May, 2012

Halliburton Company

Survey Report - Geographic

Company: Anadarko Petroleum Corp.	Local Co-ordinate Reference: Well Brown 37C-26HZ
Project: Weld County, CO (NAD 83)	TVD Reference: RKB=25' @ 5078.00ft (HP 308)
Site: Sec. 35-T3N-R66W	MD Reference: RKB=25' @ 5078.00ft (HP 308)
Well: Brown 37C-26HZ	North Reference: True
Wellbore: Plan B Rev 0	Survey Calculation Method: Minimum Curvature
Design: Actual Field Surveys	Database: EDM 2003.16 Single User Db

Project Weld County, CO (NAD 83)	
Map System: US State Plane 1983	System Datum: Mean Sea Level
Geo Datum: North American Datum 1983	
Map Zone: Colorado Northern Zone	Using geodetic scale factor

Site Sec. 35-T3N-R66W		
Site Position:	Northing: 1,307,923.46ft	Latitude: 40.176226
From: Lat/Long	Easting: 3,208,983.58ft	Longitude: -104.752098
Position Uncertainty: 0.00 ft	Slot Radius: "	Grid Convergence: 0.48 °

Well Brown 37C-26HZ			
Well Position	+N/-S 0.00 ft	Northing: 1,307,836.10 ft	Latitude: 40.175888
	+E/-W 0.00 ft	Easting: 3,213,201.30 ft	Longitude: -104.737007
Position Uncertainty	0.00 ft	Wellhead Elevation: ft	Ground Level: 5,053.00ft

Wellbore Plan B Rev 0					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	2012-04-22	8.70	66.83	52,875

Design Actual Field Surveys				
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	356.29

Survey Program		Date 2012-05-07		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
125.00	795.00	Anadarko Supplied Surveys (Plan B Rev 0	NS-GYRO-MS	North sensing gyrocompassing m/s
887.00	12,658.00	Sperry MWD Surveys (Plan B Rev 0)	MWD	MWD - Standard

Halliburton Company

Survey Report - Geographic

Company:	Anadarko Petroleum Corp.	Local Co-ordinate Reference:	Well Brown 37C-26HZ
Project:	Weld County, CO (NAD 83)	TVD Reference:	RKB=25' @ 5078.00ft (HP 308)
Site:	Sec. 35-T3N-R66W	MD Reference:	RKB=25' @ 5078.00ft (HP 308)
Well:	Brown 37C-26HZ	North Reference:	True
Wellbore:	Plan B Rev 0	Survey Calculation Method:	Minimum Curvature
Design:	Actual Field Surveys	Database:	EDM 2003.16 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	1,307,836.10	3,213,201.30	40.175888	-104.737007
125.00	0.43	16.04	125.00	0.45	0.13	1,307,836.55	3,213,201.42	40.175889	-104.737007
First Gyro Survey @ 125.00ft									
225.00	0.32	17.18	225.00	1.08	0.32	1,307,837.18	3,213,201.60	40.175891	-104.737006
325.00	0.79	99.87	324.99	1.23	1.08	1,307,837.34	3,213,202.36	40.175891	-104.737003
425.00	1.25	102.45	424.98	0.87	2.82	1,307,837.00	3,213,204.11	40.175890	-104.736997
525.00	1.80	95.99	524.94	0.47	5.45	1,307,836.62	3,213,206.74	40.175889	-104.736988
625.00	2.79	96.88	624.86	0.02	9.43	1,307,836.20	3,213,210.72	40.175888	-104.736973
725.00	3.38	107.29	724.71	-1.15	14.66	1,307,835.08	3,213,215.96	40.175885	-104.736955
795.00	3.92	111.77	794.57	-2.65	18.85	1,307,833.61	3,213,220.17	40.175881	-104.736940
Final Gyro Survey @ 795.00ft - Tie-On to Surface Gyros @ 795.00ft									
887.00	4.51	144.65	886.34	-6.77	23.86	1,307,829.54	3,213,225.22	40.175869	-104.736922
First Sperry MWD Survey @ 887.00ft									
917.00	4.69	149.97	916.24	-8.79	25.16	1,307,827.53	3,213,226.53	40.175864	-104.736917
1,007.00	4.07	187.41	1,005.99	-15.14	26.59	1,307,821.19	3,213,228.02	40.175846	-104.736912
1,097.00	3.48	222.12	1,095.81	-20.34	24.35	1,307,815.97	3,213,225.82	40.175832	-104.736920
1,186.00	5.74	218.27	1,184.52	-25.84	19.78	1,307,810.44	3,213,221.30	40.175817	-104.736936
1,276.00	5.35	220.99	1,274.10	-32.54	14.24	1,307,803.69	3,213,215.81	40.175799	-104.736956
1,366.00	4.81	214.83	1,363.74	-38.80	9.33	1,307,797.38	3,213,210.96	40.175781	-104.736974
1,457.00	6.74	216.85	1,454.28	-46.21	3.95	1,307,789.93	3,213,205.64	40.175761	-104.736993
1,547.00	7.06	217.50	1,543.62	-54.82	-2.59	1,307,781.26	3,213,199.18	40.175737	-104.737016
1,638.00	7.09	214.84	1,633.93	-63.87	-9.20	1,307,772.16	3,213,192.65	40.175713	-104.737040
1,728.00	6.61	219.72	1,723.29	-72.41	-15.68	1,307,763.56	3,213,186.24	40.175689	-104.737063
1,819.00	6.58	217.20	1,813.69	-80.59	-22.18	1,307,755.32	3,213,179.81	40.175667	-104.737086
1,909.00	6.48	223.19	1,903.11	-88.40	-28.78	1,307,747.46	3,213,173.29	40.175645	-104.737110
1,999.00	5.66	233.11	1,992.60	-94.77	-35.80	1,307,741.03	3,213,166.31	40.175628	-104.737135
2,089.00	5.98	226.68	2,082.14	-100.65	-42.76	1,307,735.09	3,213,159.41	40.175612	-104.737160
2,184.00	5.62	220.06	2,176.65	-107.61	-49.36	1,307,728.08	3,213,152.87	40.175593	-104.737184
2,279.00	5.72	221.50	2,271.19	-114.71	-55.49	1,307,720.92	3,213,146.80	40.175573	-104.737206
2,374.00	5.22	233.29	2,365.76	-120.84	-62.09	1,307,714.73	3,213,140.25	40.175556	-104.737229
2,470.00	5.02	237.81	2,461.38	-125.69	-69.14	1,307,709.83	3,213,133.24	40.175543	-104.737254
2,564.00	5.15	234.58	2,555.01	-130.33	-76.06	1,307,705.13	3,213,126.36	40.175530	-104.737279
2,660.00	4.05	238.56	2,650.70	-134.59	-82.47	1,307,700.81	3,213,120.00	40.175518	-104.737302
2,755.00	4.28	228.38	2,745.45	-138.70	-87.98	1,307,696.66	3,213,114.52	40.175507	-104.737322
2,850.00	6.95	230.20	2,839.98	-144.73	-95.05	1,307,690.56	3,213,107.50	40.175491	-104.737347
2,946.00	6.89	229.85	2,935.28	-152.16	-103.91	1,307,683.06	3,213,098.71	40.175470	-104.737379
3,041.00	6.36	224.93	3,029.65	-159.56	-111.98	1,307,675.59	3,213,090.70	40.175450	-104.737408
3,136.00	6.26	226.91	3,124.07	-166.82	-119.48	1,307,668.26	3,213,083.26	40.175430	-104.737435
3,231.00	5.77	225.35	3,218.55	-173.72	-126.66	1,307,661.31	3,213,076.14	40.175411	-104.737460
3,326.00	4.85	226.19	3,313.14	-179.85	-132.95	1,307,655.12	3,213,069.90	40.175394	-104.737483
3,422.00	4.23	223.85	3,408.84	-185.22	-138.34	1,307,649.71	3,213,064.57	40.175380	-104.737502
3,517.00	3.90	225.00	3,503.60	-190.03	-143.05	1,307,644.86	3,213,059.90	40.175366	-104.737519
3,613.00	4.85	223.65	3,599.32	-195.27	-148.16	1,307,639.57	3,213,054.83	40.175352	-104.737537
3,708.00	5.61	217.43	3,693.93	-201.87	-153.75	1,307,632.93	3,213,049.29	40.175334	-104.737557
3,804.00	4.56	213.26	3,789.55	-208.78	-158.70	1,307,625.97	3,213,044.41	40.175315	-104.737575
3,899.00	5.26	212.68	3,884.20	-215.61	-163.12	1,307,619.11	3,213,040.05	40.175296	-104.737591
3,994.00	4.43	211.68	3,978.86	-222.39	-167.40	1,307,612.28	3,213,035.83	40.175277	-104.737606
4,090.00	6.72	233.28	4,074.41	-228.91	-173.85	1,307,605.71	3,213,029.43	40.175260	-104.737629
4,185.00	6.42	229.44	4,168.78	-235.69	-182.34	1,307,598.86	3,213,021.00	40.175241	-104.737660
4,281.00	6.35	227.73	4,264.19	-242.75	-190.35	1,307,591.73	3,213,013.06	40.175222	-104.737688
4,376.00	5.22	227.04	4,358.70	-249.23	-197.40	1,307,585.19	3,213,006.06	40.175204	-104.737713
4,472.00	4.31	228.54	4,454.37	-254.59	-203.30	1,307,579.78	3,213,000.21	40.175189	-104.737734
4,567.00	5.39	220.63	4,549.03	-260.34	-208.88	1,307,573.98	3,212,994.68	40.175173	-104.737754
4,663.00	5.52	224.61	4,644.59	-267.05	-215.05	1,307,567.22	3,212,988.56	40.175155	-104.737777
4,758.00	4.70	241.49	4,739.22	-272.16	-221.68	1,307,562.05	3,212,981.97	40.175141	-104.737800

Halliburton Company

Survey Report - Geographic

Company:	Anadarko Petroleum Corp.	Local Co-ordinate Reference:	Well Brown 37C-26HZ
Project:	Weld County, CO (NAD 83)	TVD Reference:	RKB=25' @ 5078.00ft (HP 308)
Site:	Sec. 35-T3N-R66W	MD Reference:	RKB=25' @ 5078.00ft (HP 308)
Well:	Brown 37C-26HZ	North Reference:	True
Wellbore:	Plan B Rev 0	Survey Calculation Method:	Minimum Curvature
Design:	Actual Field Surveys	Database:	EDM 2003.16 Single User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude	
4,853.00	7.45	225.32	4,833.69	-278.35	-229.49	1,307,555.80	3,212,974.23	40.175124	-104.737828	
4,949.00	7.01	227.32	4,928.92	-286.70	-238.22	1,307,547.37	3,212,965.57	40.175101	-104.737859	
5,044.00	6.64	224.52	5,023.25	-294.54	-246.33	1,307,539.46	3,212,957.52	40.175079	-104.737888	
5,140.00	6.45	218.73	5,118.62	-302.71	-253.60	1,307,531.23	3,212,950.33	40.175057	-104.737914	
5,235.00	6.16	208.70	5,213.05	-311.34	-259.38	1,307,522.55	3,212,944.61	40.175033	-104.737935	
5,331.00	6.99	216.22	5,308.42	-320.57	-265.31	1,307,513.27	3,212,938.77	40.175008	-104.737956	
5,426.00	6.61	214.46	5,402.75	-329.74	-271.82	1,307,504.04	3,212,932.34	40.174983	-104.737980	
5,521.00	6.00	210.58	5,497.18	-338.53	-277.44	1,307,495.21	3,212,926.80	40.174959	-104.738000	
5,616.00	6.20	224.95	5,591.65	-346.43	-283.59	1,307,487.25	3,212,920.71	40.174937	-104.738022	
5,711.00	5.42	226.07	5,686.16	-353.18	-290.44	1,307,480.45	3,212,913.92	40.174918	-104.738046	
5,807.00	4.46	227.23	5,781.80	-358.86	-296.45	1,307,474.72	3,212,907.96	40.174903	-104.738068	
5,902.00	5.80	230.36	5,876.42	-364.43	-302.86	1,307,469.10	3,212,901.60	40.174888	-104.738091	
5,997.00	4.90	228.21	5,971.00	-370.19	-309.58	1,307,463.27	3,212,894.93	40.174872	-104.738115	
6,092.00	4.51	223.22	6,065.68	-375.62	-315.16	1,307,457.80	3,212,889.39	40.174857	-104.738135	
6,187.00	6.42	220.92	6,160.25	-382.36	-321.20	1,307,451.01	3,212,883.41	40.174838	-104.738156	
6,282.00	5.14	218.94	6,254.76	-389.68	-327.35	1,307,443.63	3,212,877.32	40.174818	-104.738178	
6,376.00	4.18	211.08	6,348.45	-395.89	-331.77	1,307,437.39	3,212,872.96	40.174801	-104.738194	
6,471.00	3.17	198.49	6,443.26	-401.35	-334.39	1,307,431.91	3,212,870.39	40.174786	-104.738204	
6,565.00	1.05	320.46	6,537.21	-403.15	-335.76	1,307,430.10	3,212,869.03	40.174781	-104.738209	
6,660.00	0.89	345.02	6,632.20	-401.76	-336.51	1,307,431.47	3,212,868.28	40.174785	-104.738211	
6,758.00	0.98	329.06	6,730.19	-400.31	-337.13	1,307,432.92	3,212,867.64	40.174789	-104.738213	
6,790.00	1.09	306.47	6,762.18	-399.89	-337.52	1,307,433.33	3,212,867.25	40.174790	-104.738215	
6,821.00	1.77	333.84	6,793.17	-399.29	-337.97	1,307,433.94	3,212,866.79	40.174792	-104.738216	
6,853.00	4.98	349.02	6,825.11	-397.48	-338.45	1,307,435.74	3,212,866.29	40.174797	-104.738218	
6,884.00	10.39	348.67	6,855.82	-393.42	-339.26	1,307,439.80	3,212,865.45	40.174808	-104.738221	
6,916.00	13.64	350.29	6,887.12	-386.87	-340.46	1,307,446.34	3,212,864.19	40.174826	-104.738225	
6,948.00	18.07	347.51	6,917.89	-378.30	-342.17	1,307,454.89	3,212,862.41	40.174849	-104.738231	
6,979.00	21.23	349.49	6,947.08	-368.08	-344.23	1,307,465.09	3,212,860.26	40.174878	-104.738239	
7,011.00	23.98	354.42	6,976.62	-355.91	-345.92	1,307,477.24	3,212,858.46	40.174911	-104.738245	
7,043.00	26.84	359.25	7,005.53	-342.21	-346.65	1,307,490.93	3,212,857.62	40.174949	-104.738247	
7,075.00	30.13	1.26	7,033.65	-326.95	-346.57	1,307,506.19	3,212,857.57	40.174990	-104.738247	
7,107.00	33.60	0.56	7,060.83	-310.06	-346.31	1,307,523.08	3,212,857.69	40.175037	-104.738246	
7,138.00	35.13	1.04	7,086.41	-292.57	-346.06	1,307,540.58	3,212,857.78	40.175085	-104.738245	
7,170.00	36.82	359.35	7,112.31	-273.77	-346.00	1,307,559.37	3,212,857.68	40.175136	-104.738245	
7,202.00	39.31	358.81	7,137.50	-254.05	-346.32	1,307,579.09	3,212,857.19	40.175191	-104.738246	
7,234.00	41.98	357.92	7,161.78	-233.21	-346.92	1,307,599.92	3,212,856.41	40.175248	-104.738248	
7,266.00	44.40	357.33	7,185.11	-211.33	-347.83	1,307,621.79	3,212,855.31	40.175308	-104.738252	
7,297.00	46.61	358.36	7,206.84	-189.24	-348.66	1,307,643.88	3,212,854.30	40.175368	-104.738255	
7,329.00	48.89	359.17	7,228.35	-165.56	-349.16	1,307,667.55	3,212,853.58	40.175433	-104.738256	
7,361.00	51.31	0.37	7,248.88	-141.01	-349.26	1,307,692.09	3,212,853.28	40.175501	-104.738257	
7,393.00	53.36	1.05	7,268.43	-115.68	-348.94	1,307,717.42	3,212,853.38	40.175570	-104.738256	
7,425.00	54.01	1.19	7,287.38	-89.90	-348.44	1,307,743.20	3,212,853.66	40.175641	-104.738254	
7,457.00	54.32	0.09	7,306.11	-63.96	-348.15	1,307,769.14	3,212,853.73	40.175712	-104.738253	
7,489.00	55.92	359.45	7,324.41	-37.71	-348.26	1,307,795.39	3,212,853.39	40.175784	-104.738253	
7,521.00	56.38	358.59	7,342.24	-11.14	-348.71	1,307,821.96	3,212,852.71	40.175857	-104.738255	
7,552.00	56.80	358.37	7,359.31	14.72	-349.40	1,307,847.82	3,212,851.80	40.175928	-104.738257	
7,584.00	57.06	357.61	7,376.77	41.52	-350.34	1,307,874.61	3,212,850.63	40.176002	-104.738261	
7,616.00	57.53	356.98	7,394.06	68.42	-351.61	1,307,901.49	3,212,849.13	40.176076	-104.738265	
7,648.00	58.11	356.88	7,411.10	95.47	-353.06	1,307,928.52	3,212,847.44	40.176150	-104.738270	
7,679.00	59.76	357.27	7,427.10	121.98	-354.41	1,307,955.03	3,212,845.86	40.176223	-104.738275	
7,711.00	60.76	358.36	7,442.97	149.75	-355.47	1,307,982.78	3,212,844.56	40.176299	-104.738279	
7,742.00	63.04	359.05	7,457.57	177.09	-356.09	1,308,010.11	3,212,843.71	40.176374	-104.738281	
7,774.00	66.22	0.26	7,471.28	205.99	-356.26	1,308,039.01	3,212,843.29	40.176453	-104.738282	
7,806.00	67.79	2.01	7,483.78	235.44	-355.67	1,308,068.46	3,212,843.63	40.176534	-104.738280	
7,837.00	69.64	2.27	7,495.03	264.31	-354.59	1,308,097.34	3,212,844.46	40.176613	-104.738276	

Halliburton Company

Survey Report - Geographic

Company:	Anadarko Petroleum Corp.	Local Co-ordinate Reference:	Well Brown 37C-26HZ
Project:	Weld County, CO (NAD 83)	TVD Reference:	RKB=25' @ 5078.00ft (HP 308)
Site:	Sec. 35-T3N-R66W	MD Reference:	RKB=25' @ 5078.00ft (HP 308)
Well:	Brown 37C-26HZ	North Reference:	True
Wellbore:	Plan B Rev 0	Survey Calculation Method:	Minimum Curvature
Design:	Actual Field Surveys	Database:	EDM 2003.16 Single User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude	
7,869.00	73.84	1.59	7,505.06	294.67	-353.57	1,308,127.71	3,212,845.22	40.176697	-104.738272	
7,901.00	79.22	1.12	7,512.51	325.77	-352.84	1,308,158.81	3,212,845.68	40.176782	-104.738270	
7,953.00	82.81	0.48	7,520.63	377.12	-352.12	1,308,210.16	3,212,845.96	40.176923	-104.738267	
7" Intermediate Casing										
8,014.00	87.03	359.75	7,526.03	437.87	-352.00	1,308,270.90	3,212,845.56	40.177090	-104.738267	
8,109.00	88.64	0.20	7,529.62	532.79	-352.04	1,308,365.82	3,212,844.70	40.177350	-104.738267	
8,205.00	90.06	1.44	7,530.71	628.77	-350.67	1,308,461.81	3,212,845.25	40.177614	-104.738262	
8,300.00	92.22	2.25	7,528.82	723.70	-347.61	1,308,556.75	3,212,847.49	40.177874	-104.738251	
8,395.00	92.53	2.69	7,524.88	818.53	-343.52	1,308,651.61	3,212,850.76	40.178135	-104.738236	
8,490.00	93.03	1.89	7,520.27	913.34	-339.73	1,308,746.45	3,212,853.74	40.178395	-104.738223	
8,586.00	91.23	0.87	7,516.70	1,009.24	-337.42	1,308,842.36	3,212,855.22	40.178658	-104.738215	
8,681.00	92.35	1.87	7,513.74	1,104.17	-335.15	1,308,937.29	3,212,856.68	40.178919	-104.738206	
8,776.00	92.66	1.70	7,509.58	1,199.03	-332.19	1,309,032.18	3,212,858.82	40.179179	-104.738196	
8,872.00	91.79	0.79	7,505.86	1,294.93	-330.11	1,309,128.09	3,212,860.08	40.179443	-104.738188	
8,967.00	92.41	1.15	7,502.37	1,389.85	-328.50	1,309,223.02	3,212,860.87	40.179703	-104.738183	
9,062.00	90.74	0.89	7,499.76	1,484.80	-326.81	1,309,317.97	3,212,861.74	40.179964	-104.738177	
9,157.00	90.99	0.77	7,498.33	1,579.78	-325.43	1,309,412.95	3,212,862.30	40.180224	-104.738172	
9,252.00	90.19	0.06	7,497.35	1,674.77	-324.74	1,309,507.94	3,212,862.17	40.180485	-104.738169	
9,347.00	91.79	1.34	7,495.71	1,769.74	-323.58	1,309,602.92	3,212,862.51	40.180746	-104.738165	
9,442.00	90.43	359.76	7,493.87	1,864.72	-322.67	1,309,697.89	3,212,862.61	40.181007	-104.738162	
9,537.00	90.12	359.46	7,493.41	1,959.71	-323.32	1,309,792.88	3,212,861.14	40.181267	-104.738164	
9,633.00	90.37	0.29	7,493.00	2,055.71	-323.53	1,309,888.86	3,212,860.11	40.181531	-104.738165	
9,728.00	89.32	358.83	7,493.26	2,150.70	-324.26	1,309,983.84	3,212,858.56	40.181792	-104.738167	
9,823.00	88.64	358.36	7,494.95	2,245.66	-326.59	1,310,078.77	3,212,855.41	40.182052	-104.738176	
9,918.00	90.31	359.30	7,495.82	2,340.63	-328.53	1,310,173.72	3,212,852.66	40.182313	-104.738183	
10,013.00	91.79	359.87	7,494.08	2,435.61	-329.22	1,310,268.68	3,212,851.15	40.182574	-104.738185	
10,108.00	91.05	359.45	7,491.73	2,530.58	-329.78	1,310,363.64	3,212,849.77	40.182834	-104.738187	
10,204.00	90.99	359.25	7,490.02	2,626.56	-330.87	1,310,459.60	3,212,847.86	40.183098	-104.738191	
10,299.00	90.37	359.44	7,488.89	2,721.54	-331.95	1,310,554.57	3,212,845.95	40.183359	-104.738195	
10,395.00	90.49	359.66	7,488.17	2,817.54	-332.71	1,310,650.55	3,212,844.37	40.183622	-104.738198	
10,490.00	90.49	359.61	7,487.36	2,912.53	-333.31	1,310,745.53	3,212,842.95	40.183883	-104.738200	
10,586.00	90.62	359.77	7,486.43	3,008.53	-333.83	1,310,841.51	3,212,841.61	40.184146	-104.738202	
10,681.00	89.01	359.38	7,486.73	3,103.52	-334.54	1,310,936.49	3,212,840.08	40.184407	-104.738204	
10,777.00	89.01	359.34	7,488.39	3,199.50	-335.61	1,311,032.46	3,212,838.19	40.184671	-104.738208	
10,872.00	89.20	358.98	7,489.88	3,294.48	-337.00	1,311,127.42	3,212,835.98	40.184931	-104.738213	
10,967.00	90.12	358.10	7,490.44	3,389.44	-339.42	1,311,222.35	3,212,832.74	40.185192	-104.738222	
11,063.00	91.24	358.14	7,489.30	3,485.38	-342.57	1,311,318.26	3,212,828.77	40.185455	-104.738233	
11,158.00	91.85	358.22	7,486.74	3,580.30	-345.59	1,311,413.14	3,212,824.93	40.185716	-104.738244	
11,254.00	91.98	357.98	7,483.53	3,676.19	-348.77	1,311,509.00	3,212,820.93	40.185979	-104.738255	
11,349.00	91.61	357.58	7,480.56	3,771.07	-352.45	1,311,603.84	3,212,816.43	40.186240	-104.738268	
11,445.00	91.30	357.58	7,478.12	3,866.96	-356.50	1,311,699.68	3,212,811.56	40.186503	-104.738283	
11,540.00	90.68	356.38	7,476.48	3,961.81	-361.50	1,311,794.49	3,212,805.74	40.186763	-104.738301	
11,636.00	90.87	356.80	7,475.18	4,057.63	-367.21	1,311,890.25	3,212,799.20	40.187026	-104.738321	
11,731.00	88.76	354.62	7,475.49	4,152.35	-374.32	1,311,984.90	3,212,791.28	40.187286	-104.738347	
11,826.00	87.47	354.27	7,478.61	4,246.85	-383.51	1,312,079.32	3,212,781.28	40.187546	-104.738380	
11,922.00	88.33	356.27	7,482.13	4,342.46	-391.42	1,312,174.84	3,212,772.55	40.187808	-104.738408	
12,017.00	90.68	357.44	7,482.95	4,437.30	-396.63	1,312,269.64	3,212,766.52	40.188068	-104.738427	
12,113.00	90.87	357.52	7,481.65	4,533.20	-400.85	1,312,365.49	3,212,761.48	40.188332	-104.738442	
12,208.00	90.06	356.81	7,480.88	4,628.08	-405.55	1,312,460.32	3,212,755.96	40.188592	-104.738459	
12,303.00	89.94	356.79	7,480.88	4,722.93	-410.85	1,312,555.12	3,212,749.84	40.188852	-104.738478	
12,398.00	89.63	356.68	7,481.24	4,817.78	-416.26	1,312,649.91	3,212,743.62	40.189113	-104.738497	
12,494.00	88.64	357.50	7,482.69	4,913.64	-421.14	1,312,745.73	3,212,737.92	40.189376	-104.738514	
12,589.00	88.45	357.46	7,485.10	5,008.52	-425.31	1,312,840.56	3,212,732.93	40.189636	-104.738529	
12,620.00	88.52	357.59	7,485.92	5,039.48	-426.65	1,312,871.51	3,212,731.32	40.189721	-104.738534	
Final Sperry MWD Survey @ 12620.00ft										

Halliburton Company

Survey Report - Geographic

Company: Anadarko Petroleum Corp.	Local Co-ordinate Reference: Well Brown 37C-26HZ
Project: Weld County, CO (NAD 83)	TVD Reference: RKB=25' @ 5078.00ft (HP 308)
Site: Sec. 35-T3N-R66W	MD Reference: RKB=25' @ 5078.00ft (HP 308)
Well: Brown 37C-26HZ	North Reference: True
Wellbore: Plan B Rev 0	Survey Calculation Method: Minimum Curvature
Design: Actual Field Surveys	Database: EDM 2003.16 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
12,658.00	88.52	357.59	7,486.90	5,077.43	-428.25	1,312,909.44	3,212,729.40	40.189826	-104.738540
Stright Line Projection to TD @ 12658.00ft									

Halliburton Company

Survey Report - Geographic

Company:	Anadarko Petroleum Corp.	Local Co-ordinate Reference:	Well Brown 37C-26HZ
Project:	Weld County, CO (NAD 83)	TVD Reference:	RKB=25' @ 5078.00ft (HP 308)
Site:	Sec. 35-T3N-R66W	MD Reference:	RKB=25' @ 5078.00ft (HP 308)
Well:	Brown 37C-26HZ	North Reference:	True
Wellbore:	Plan B Rev 0	Survey Calculation Method:	Minimum Curvature
Design:	Actual Field Surveys	Database:	EDM 2003.16 Single User Db

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
Brown 37C-26HZ_BH	0.00	0.00	7,494.00	5,244.88	-339.81	1,313,077.64	3,212,816.39	40.190285	-104.738223
- actual wellpath misses target center by 189.50ft at 12658.00ft MD (7486.90 TVD, 5077.43 N, -428.25 E)									
- Point									
Brown Pad_Sec 35 4ℓ	0.00	0.00	1.00	123.65	-4,216.99	1,307,923.46	3,208,983.58	40.176226	-104.752098
- actual wellpath misses target center by 4218.80ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			1.00	4,302.86	-4,222.42	1,312,102.29	3,208,942.19		
Point 2			1.00	2,123.31	-4,222.51	1,309,922.92	3,208,960.85		
Point 3			1.00	-55.24	-4,224.20	1,307,744.52	3,208,977.91		
Point 4			1.00	-28.68	-2,067.96	1,307,789.63	3,211,133.75		
Point 5			1.00	-2.38	101.59	1,307,834.60	3,213,302.90		
Point 6			1.00	2,158.83	110.85	1,309,995.72	3,213,293.57		
Point 7			1.00	4,320.12	119.74	1,312,156.91	3,213,283.86		
Point 8			1.00	4,311.41	-2,050.96	1,312,129.53	3,211,113.41		
Point 9			1.00	4,301.86	-4,222.43	1,312,101.29	3,208,942.19		
Brown 37C-26HZ_SH	0.00	0.00	0.00	0.00	0.00	1,307,836.10	3,213,201.30	40.175888	-104.737007
- actual wellpath hits target center									
- Point									
Brown 37C-26HZ_BH	0.00	0.00	7,494.00	5,237.53	-533.62	1,313,068.63	3,212,622.65	40.190265	-104.738917
- actual wellpath misses target center by 191.80ft at 12658.00ft MD (7486.90 TVD, 5077.43 N, -428.25 E)									
- Point									
Brown 4 Pad_Sec 35	0.00	0.00	1.00	123.62	-4,216.99	1,307,923.43	3,208,983.58	40.176226	-104.752098
- actual wellpath misses target center by 4218.80ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			1.00	4,761.04	-4,682.42	1,312,556.48	3,208,478.29		
Point 2			1.00	2,119.53	-4,682.53	1,309,915.17	3,208,500.90		
Point 3			1.00	-520.99	-4,684.58	1,307,274.85	3,208,521.57		
Point 4			1.00	-488.70	-2,062.30	1,307,329.70	3,211,143.37		
Point 5			1.00	-458.46	557.70	1,307,382.48	3,213,762.90		
Point 6			1.00	2,164.41	572.60	1,310,005.27	3,213,755.23		
Point 7			1.00	4,781.96	581.67	1,312,622.69	3,213,741.78		
Point 8			1.00	4,771.41	-2,049.87	1,312,589.50	3,211,110.54		
Point 9			1.00	4,761.04	-4,682.42	1,312,556.48	3,208,478.29		

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,953.00	7,520.63	7" Intermediate Casing	7	8-3/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Comment
125.00	125.00	0.45	0.13	First Gyro Survey @ 125.00ft
795.00	794.57	-2.65	18.85	Final Gyro Survey @ 795.00ft
795.00	794.57	-2.65	18.85	Tie-On to Surface Gyros @ 795.00ft
887.00	886.34	-6.77	23.86	First Sperry MWD Survey @ 887.00ft
12,620.00	7,485.92	5,039.48	-426.65	Final Sperry MWD Survey @ 12620.00ft
12,658.00	7,486.90	5,077.43	-428.25	Stright Line Projection to TD @ 12658.00ft

Halliburton Company

Survey Report - Geographic

Company:	Anadarko Petroleum Corp.	Local Co-ordinate Reference:	Well Brown 37C-26HZ
Project:	Weld County, CO (NAD 83)	TVD Reference:	RKB=25' @ 5078.00ft (HP 308)
Site:	Sec. 35-T3N-R66W	MD Reference:	RKB=25' @ 5078.00ft (HP 308)
Well:	Brown 37C-26HZ	North Reference:	True
Wellbore:	Plan B Rev 0	Survey Calculation Method:	Minimum Curvature
Design:	Actual Field Surveys	Database:	EDM 2003.16 Single User Db

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
Brown 37C-26HZ_BH	0.00	0.00	7,494.00	5,244.88	-339.81	1,313,077.64	3,212,816.39	40.190285	-104.738223
- actual wellpath misses target center by 189.50ft at 12658.00ft MD (7486.90 TVD, 5077.43 N, -428.25 E)									
- Point									
Brown Pad_Sec 35 4f	0.00	0.00	1.00	123.65	-4,216.99	1,307,923.46	3,208,983.58	40.176226	-104.752098
- actual wellpath misses target center by 4218.80ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			1.00	4,302.86	-4,222.42	1,312,102.29	3,208,942.19		
Point 2			1.00	2,123.31	-4,222.51	1,309,922.92	3,208,960.85		
Point 3			1.00	-55.24	-4,224.20	1,307,744.52	3,208,977.91		
Point 4			1.00	-28.68	-2,067.96	1,307,789.63	3,211,133.75		
Point 5			1.00	-2.38	101.59	1,307,834.60	3,213,302.90		
Point 6			1.00	2,158.83	110.85	1,309,995.72	3,213,293.57		
Point 7			1.00	4,320.12	119.74	1,312,156.91	3,213,283.86		
Point 8			1.00	4,311.41	-2,050.96	1,312,129.53	3,211,113.41		
Point 9			1.00	4,301.86	-4,222.43	1,312,101.29	3,208,942.19		
Brown 37C-26HZ_SH	0.00	0.00	0.00	0.00	0.00	1,307,836.10	3,213,201.30	40.175888	-104.737007
- actual wellpath hits target center									
- Point									
Brown 37C-26HZ_BH	0.00	0.00	7,494.00	5,237.53	-533.62	1,313,068.63	3,212,622.65	40.190265	-104.738917
- actual wellpath misses target center by 191.80ft at 12658.00ft MD (7486.90 TVD, 5077.43 N, -428.25 E)									
- Point									
Brown 4 Pad_Sec 35	0.00	0.00	1.00	123.62	-4,216.99	1,307,923.43	3,208,983.58	40.176226	-104.752098
- actual wellpath misses target center by 4218.80ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			1.00	4,761.04	-4,682.42	1,312,556.48	3,208,478.29		
Point 2			1.00	2,119.53	-4,682.53	1,309,915.17	3,208,500.90		
Point 3			1.00	-520.99	-4,684.58	1,307,274.85	3,208,521.57		
Point 4			1.00	-488.70	-2,062.30	1,307,329.70	3,211,143.37		
Point 5			1.00	-458.46	557.70	1,307,382.48	3,213,762.90		
Point 6			1.00	2,164.41	572.60	1,310,005.27	3,213,755.23		
Point 7			1.00	4,781.96	581.67	1,312,622.69	3,213,741.78		
Point 8			1.00	4,771.41	-2,049.87	1,312,589.50	3,211,110.54		
Point 9			1.00	4,761.04	-4,682.42	1,312,556.48	3,208,478.29		

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,953.00	7,520.63	7" Intermediate Casing	7	8-3/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N-S (ft)	+E-W (ft)	
125.00	125.00	0.45	0.13	First Gyro Survey @ 125.00ft
795.00	794.57	-2.65	18.85	Final Gyro Survey @ 795.00ft
795.00	794.57	-2.65	18.85	Tie-On to Surface Gyros @ 795.00ft
887.00	886.34	-6.77	23.86	First Sperry MWD Survey @ 887.00ft
12,620.00	7,485.92	5,039.48	-426.65	Final Sperry MWD Survey @ 12620.00ft
12,658.00	7,486.90	5,077.43	-428.25	Stright Line Projection to TD @ 12658.00ft

Halliburton Company

Survey Report - Geographic

Company: Anadarko Petroleum Corp.	Local Co-ordinate Reference: Well Brown 37C-26HZ
Project: Weld County, CO (NAD 83)	TVD Reference: RKB=25' @ 5078.00ft (HP 308)
Site: Sec. 35-T3N-R66W	MD Reference: RKB=25' @ 5078.00ft (HP 308)
Well: Brown 37C-26HZ	North Reference: True
Wellbore: Plan B Rev 0	Survey Calculation Method: Minimum Curvature
Design: Actual Field Surveys	Database: EDM 2003.16 Single User Db

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
Brown 37C-26HZ_BH	0.00	0.00	7,494.00	5,244.88	-339.81	1,313,077.64	3,212,816.39	40.190285	-104.738223
- actual wellpath misses target center by 189.50ft at 12658.00ft MD (7486.90 TVD, 5077.43 N, -428.25 E)									
- Point									
Brown Pad_Sec 35 4f	0.00	0.00	1.00	123.65	-4,216.99	1,307,923.46	3,208,983.58	40.176226	-104.752098
- actual wellpath misses target center by 4218.80ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			1.00	4,302.86	-4,222.42	1,312,102.29	3,208,942.19		
Point 2			1.00	2,123.31	-4,222.51	1,309,922.92	3,208,960.85		
Point 3			1.00	-55.24	-4,224.20	1,307,744.52	3,208,977.91		
Point 4			1.00	-28.68	-2,067.96	1,307,789.63	3,211,133.75		
Point 5			1.00	-2.38	101.59	1,307,834.60	3,213,302.90		
Point 6			1.00	2,158.83	110.85	1,309,995.72	3,213,293.57		
Point 7			1.00	4,320.12	119.74	1,312,156.91	3,213,283.86		
Point 8			1.00	4,311.41	-2,050.96	1,312,129.53	3,211,113.41		
Point 9			1.00	4,301.86	-4,222.43	1,312,101.29	3,208,942.19		
Brown 37C-26HZ_SH	0.00	0.00	0.00	0.00	0.00	1,307,836.10	3,213,201.30	40.175888	-104.737007
- actual wellpath hits target center									
- Point									
Brown 37C-26HZ_BH	0.00	0.00	7,494.00	5,237.53	-533.62	1,313,068.63	3,212,622.65	40.190265	-104.738917
- actual wellpath misses target center by 191.80ft at 12658.00ft MD (7486.90 TVD, 5077.43 N, -428.25 E)									
- Point									
Brown 4 Pad_Sec 35	0.00	0.00	1.00	123.62	-4,216.99	1,307,923.43	3,208,983.58	40.176226	-104.752098
- actual wellpath misses target center by 4218.80ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			1.00	4,761.04	-4,682.42	1,312,556.48	3,208,478.29		
Point 2			1.00	2,119.53	-4,682.53	1,309,915.17	3,208,500.90		
Point 3			1.00	-520.99	-4,684.58	1,307,274.85	3,208,521.57		
Point 4			1.00	-488.70	-2,062.30	1,307,329.70	3,211,143.37		
Point 5			1.00	-458.46	557.70	1,307,382.48	3,213,762.90		
Point 6			1.00	2,164.41	572.60	1,310,005.27	3,213,755.23		
Point 7			1.00	4,781.96	581.67	1,312,622.69	3,213,741.78		
Point 8			1.00	4,771.41	-2,049.87	1,312,589.50	3,211,110.54		
Point 9			1.00	4,761.04	-4,682.42	1,312,556.48	3,208,478.29		

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,953.00	7,520.63	7" Intermediate Casing	7	8-3/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
125.00	125.00	0.45	0.13	First Gyro Survey @ 125.00ft
795.00	794.57	-2.65	18.85	Final Gyro Survey @ 795.00ft
795.00	794.57	-2.65	18.85	Tie-On to Surface Gyros @ 795.00ft
887.00	886.34	-6.77	23.86	First Sperry MWD Survey @ 887.00ft
12,620.00	7,485.92	5,039.48	-426.65	Final Sperry MWD Survey @ 12620.00ft
12,658.00	7,486.90	5,077.43	-428.25	Stright Line Projection to TD @ 12658.00ft

Checked By:	Approved By:	Date:
-------------	--------------	-------

Halliburton Company
Survey Report - Geographic

Company:	Anadarko Petroleum Corp.	Local Co-ordinate Reference:	Well Brown 37C-26HZ
Project:	Weld County, CO (NAD 83)	TVD Reference:	RKB=25' @ 5078.00ft (HP 308)
Site:	Sec. 35-T3N-R66W	MD Reference:	RKB=25' @ 5078.00ft (HP 308)
Well:	Brown 37C-26HZ	North Reference:	True
Wellbore:	Plan B Rev 0	Survey Calculation Method:	Minimum Curvature
Design:	Actual Field Surveys	Database:	EDM 2003.16 Single User Db