



Company: Anadarko Petroleum Corp

Rig: Production/Cable

Latitude: 40.177

Longitude: -104.709

API # 05-123-18281

Date: 4/30/12

Well: HSR Lloyd Camp 14-31

Location: Weld County, Colorado

North Reference: True North

Depth Reference: RKB = Ground Level

Surveyor: Justin Williams

VS: 0.000

Field copy only not definitive.

Depth	Inc	AzG	N/-S	E/-W	TVD	DL	VS	CD	Cbrg
0.000	0.000	0.000	0.000	0.000	0.000	****	0.000	0.000	0.000
100.000	0.353	110.535	-0.108	0.288	99.999	0.353	-0.108	0.308	110.535
200.000	0.294	46.212	-0.039	0.762	199.998	0.348	-0.039	0.763	92.917
300.000	0.065	47.017	0.177	0.988	299.998	0.229	0.177	1.004	79.837
400.000	0.538	348.312	0.675	0.935	399.996	0.507	0.675	1.153	54.160
500.000	0.374	353.120	1.458	0.801	499.993	0.168	1.458	1.664	28.773
600.000	0.728	344.680	2.395	0.594	599.988	0.362	2.395	2.467	13.931
700.000	0.248	338.223	3.208	0.346	699.984	0.482	3.208	3.227	6.153
800.000	0.647	325.166	3.873	-0.057	799.981	0.409	3.873	3.873	359.156
900.000	0.593	351.313	4.848	-0.458	899.975	0.285	4.848	4.870	354.606
1000.000	0.713	327.107	5.882	-0.874	999.969	0.298	5.882	5.947	351.551
1100.000	0.624	350.071	6.941	-1.305	1099.962	0.280	6.941	7.063	349.349
1200.000	0.684	343.652	8.051	-1.567	1199.956	0.095	8.051	8.202	348.983
1300.000	0.701	330.638	9.156	-2.035	1299.948	0.158	9.156	9.380	347.468
1400.000	0.491	344.112	10.101	-2.452	1399.943	0.251	10.101	10.395	346.354
1500.000	0.720	336.608	11.090	-2.819	1499.937	0.242	11.090	11.443	345.738
1600.000	0.567	320.911	12.051	-3.380	1599.931	0.233	12.051	12.516	344.331
1700.000	0.885	338.528	13.153	-3.975	1699.923	0.385	13.153	13.741	343.185
1800.000	0.790	342.701	14.530	-4.462	1799.912	0.113	14.530	15.200	342.927
1900.000	0.917	334.664	15.911	-5.010	1899.901	0.174	15.911	16.681	342.523
2000.000	0.916	340.243	17.386	-5.622	1999.889	0.089	17.386	18.273	342.080
2100.000	1.325	338.283	19.212	-6.320	2099.869	0.411	19.212	20.225	341.791
2200.000	1.591	334.960	21.543	-7.335	2199.837	0.279	21.543	22.758	341.197
2300.000	1.780	340.122	24.261	-8.451	2299.794	0.242	24.261	25.691	340.796
2400.000	1.853	344.011	27.275	-9.424	2399.743	0.143	27.275	28.858	340.940
2500.000	2.366	348.639	30.854	-10.276	2499.675	0.540	30.854	32.520	341.580
2600.000	2.789	348.942	35.266	-11.149	2599.574	0.423	35.266	36.986	342.456
2700.000	2.979	351.447	40.223	-12.002	2699.447	0.228	40.223	41.975	343.385
2800.000	3.270	351.395	45.612	-12.816	2799.299	0.292	45.612	47.379	344.306
2900.000	3.295	356.219	51.300	-13.432	2899.135	0.277	51.300	53.029	345.328
3000.000	3.071	357.709	56.845	-13.728	2998.980	0.238	56.845	58.479	346.423
3100.000	3.256	1.107	62.361	-13.781	3098.828	0.263	62.361	63.865	347.539
3200.000	3.338	4.097	68.104	-13.518	3198.662	0.191	68.104	69.432	348.773
3300.000	3.590	12.107	74.070	-12.653	3298.480	0.545	74.070	75.143	350.306
3400.000	2.670	16.709	79.362	-11.327	3398.330	0.954	79.362	80.166	351.877
3500.000	1.714	19.130	83.005	-10.167	3498.256	0.960	83.005	83.625	353.017
3600.000	0.839	30.837	85.047	-9.302	3598.230	0.909	85.047	85.554	353.758
3700.000	0.553	39.539	86.047	-8.619	3698.223	0.304	86.047	86.478	354.280

3800.000	0.352	51.416	86.611	-8.072	3798.220	0.221	86.611	86.987	354.676
3900.000	0.511	60.360	87.024	-7.443	3898.217	0.172	87.024	87.342	355.111
4000.000	0.445	56.419	87.459	-6.732	3998.213	0.074	87.459	87.718	355.598
4100.000	0.424	43.647	87.941	-6.154	4098.210	0.099	87.941	88.156	355.997
4200.000	0.421	15.145	88.563	-5.803	4198.208	0.208	88.563	88.753	356.251
4300.000	0.467	29.694	89.272	-5.505	4298.205	0.121	89.272	89.442	356.471
4400.000	0.479	341.405	90.022	-5.436	4398.202	0.387	90.022	90.186	356.544
4500.000	0.681	336.203	90.962	-5.809	4498.197	0.209	90.962	91.147	356.346
4600.000	0.572	350.571	91.999	-6.131	4598.191	0.190	91.999	92.203	356.187
4700.000	0.685	321.059	92.957	-6.589	4698.185	0.338	92.957	93.190	355.946
4800.000	0.401	8.147	93.768	-6.915	4798.181	0.506	93.768	94.023	355.782
4900.000	0.735	125.741	93.740	-6.345	4898.178	0.987	93.740	93.954	356.128
5000.000	1.349	157.337	92.279	-5.371	4998.162	0.820	92.279	92.435	356.669
5100.000	1.558	149.635	90.019	-4.230	5098.130	0.286	90.019	90.118	357.310
5200.000	1.230	135.748	88.077	-2.793	5198.100	0.469	88.077	88.121	358.184
5300.000	0.670	132.517	86.913	-1.613	5298.086	0.562	86.913	86.928	358.937
5400.000	0.218	105.697	86.466	-0.999	5398.083	0.485	86.466	86.472	359.338
5500.000	0.144	87.156	86.421	-0.690	5498.082	0.093	86.421	86.424	359.543
5600.000	0.131	127.425	86.358	-0.474	5598.082	0.095	86.358	86.359	359.686
5700.000	0.147	94.595	86.278	-0.256	5698.082	0.080	86.278	86.279	359.830
5800.000	0.406	282.312	86.344	-0.474	5798.081	0.552	86.344	86.345	359.685
5900.000	0.161	253.306	86.379	-0.955	5898.080	0.276	86.379	86.384	359.367
6000.000	0.136	6.625	86.456	-1.076	5998.080	0.249	86.456	86.463	359.287
6100.000	0.491	93.511	86.548	-0.635	6098.078	0.502	86.548	86.550	359.580
6200.000	0.502	89.965	86.522	0.231	6198.075	0.033	86.522	86.522	0.153
6300.000	0.582	105.151	86.389	1.159	6298.070	0.164	86.389	86.397	0.769
6400.000	0.914	116.704	85.898	2.362	6398.061	0.363	85.898	85.931	1.575
6500.000	0.840	138.050	84.994	3.565	6498.050	0.333	84.994	85.069	2.402
6600.000	0.984	122.228	83.991	4.782	6598.037	0.289	83.991	84.127	3.258
6700.000	1.936	132.276	82.396	6.759	6698.004	0.982	82.396	82.673	4.689
6800.000	2.118	142.825	79.787	9.125	6797.942	0.414	79.787	80.308	6.524
6900.000	2.025	170.009	76.575	10.548	6897.879	0.978	76.575	77.298	7.843
7000.000	1.674	194.946	73.423	10.478	6997.828	0.869	73.423	74.167	8.122
7100.000	1.557	217.055	70.927	9.283	7097.789	0.630	70.927	71.532	7.456
7200.000	0.814	249.728	69.597	7.798	7197.768	0.976	69.597	70.032	6.393
7300.000	0.994	293.060	69.690	6.333	7297.757	0.688	69.690	69.978	5.192