



Company: Anadarko Petroleum Corp

Rig: Production / Cable

Latitude: 40.212

Longitude: -104.775

API # 05-123-14367

Date: 2/6/12

Well: HSR-Tandowsky 8-21

Location: Weld County, Colorado

North Reference: True North

Depth Reference: Ground Level

Surveyor: Robert Davis

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	0.123	156.382	-0.099	0.043	100.000	0.123	-0.099	0.108	156.382
200.000	0.254	118.401	-0.303	0.281	199.999	0.174	-0.303	0.413	137.109
300.000	0.388	102.171	-0.480	0.808	299.998	0.161	-0.480	0.940	120.711
400.000	0.377	103.540	-0.628	1.459	399.996	0.014	-0.628	1.589	113.298
500.000	0.433	107.368	-0.818	2.140	499.993	0.062	-0.818	2.291	110.926
600.000	0.423	117.243	-1.100	2.829	599.990	0.074	-1.100	3.035	111.250
700.000	0.672	170.471	-1.847	3.254	699.986	0.538	-1.847	3.741	119.581
800.000	0.660	184.465	-3.000	3.306	799.980	0.163	-3.000	4.464	132.218
900.000	0.673	167.838	-4.148	3.385	899.973	0.193	-4.148	5.354	140.787
1000.000	0.656	168.835	-5.284	3.619	999.966	0.020	-5.284	6.405	145.590
1100.000	0.367	176.381	-6.166	3.750	1099.962	0.296	-6.166	7.217	148.688
1200.000	0.750	181.097	-7.140	3.758	1199.957	0.385	-7.140	8.068	152.239
1300.000	0.829	178.126	-8.517	3.769	1299.948	0.089	-8.517	9.314	156.127
1400.000	0.787	195.600	-9.901	3.608	1399.938	0.249	-9.901	10.538	159.977
1500.000	0.739	222.725	-11.037	2.986	1499.929	0.361	-11.037	11.433	164.862
1600.000	0.748	233.702	-11.897	2.022	1599.921	0.143	-11.897	12.068	170.356
1700.000	0.757	231.562	-12.694	0.978	1699.912	0.029	-12.694	12.732	175.594
1800.000	0.860	262.580	-13.202	-0.284	1799.903	0.444	-13.202	13.205	181.230
1900.000	0.790	254.141	-13.487	-1.691	1899.892	0.140	-13.487	13.593	187.146
2000.000	0.811	277.970	-13.577	-3.055	1999.883	0.331	-13.577	13.917	192.681
2100.000	0.642	298.504	-13.212	-4.248	2099.875	0.308	-13.212	13.878	197.825
2200.000	0.559	285.152	-12.817	-5.211	2199.870	0.162	-12.817	13.836	202.125
2300.000	0.296	314.419	-12.509	-5.867	2299.867	0.334	-12.509	13.816	205.127
2400.000	0.338	280.316	-12.275	-6.341	2399.865	0.190	-12.275	13.816	207.321
2500.000	0.155	218.334	-12.328	-6.715	2499.865	0.298	-12.328	14.039	208.577
2600.000	0.305	225.355	-12.622	-6.989	2599.864	0.152	-12.622	14.427	208.974
2700.000	0.473	236.925	-13.034	-7.524	2699.861	0.185	-13.034	15.050	209.996
2800.000	0.573	245.155	-13.470	-8.324	2799.857	0.125	-13.470	15.834	211.716
2900.000	0.479	251.864	-13.810	-9.175	2899.853	0.113	-13.810	16.580	213.600
3000.000	0.452	246.563	-14.097	-9.935	2999.850	0.051	-14.097	17.246	215.174
3100.000	0.363	285.931	-14.167	-10.602	3099.847	0.287	-14.167	17.695	216.810
3200.000	0.109	17.818	-13.990	-10.878	3199.847	0.383	-13.990	17.721	217.868
3300.000	0.156	305.053	-13.821	-10.960	3299.846	0.162	-13.821	17.639	218.416
3400.000	0.144	335.389	-13.629	-11.124	3399.846	0.079	-13.629	17.592	219.223
3500.000	0.126	316.385	-13.435	-11.253	3499.846	0.048	-13.435	17.525	219.949
3600.000	0.409	305.305	-13.149	-11.620	3599.845	0.286	-13.149	17.547	221.467
3700.000	0.661	281.168	-12.831	-12.476	3699.840	0.333	-12.831	17.897	224.198

3800.000	0.784	268.943	-12.732	-13.726	3799.832	0.196	-12.732	18.722	227.153
3900.000	0.886	243.961	-13.084	-15.105	3899.822	0.375	-13.084	19.984	229.101
4000.000	0.968	242.954	-13.808	-16.553	3999.809	0.084	-13.808	21.556	230.166
4100.000	1.128	269.026	-14.209	-18.289	4099.793	0.498	-14.209	23.160	232.157
4200.000	1.041	266.919	-14.274	-20.181	4199.775	0.095	-14.274	24.719	234.727
4300.000	0.813	277.029	-14.236	-21.791	4299.762	0.280	-14.236	26.030	236.843
4400.000	0.649	288.438	-13.970	-23.032	4399.754	0.218	-13.970	26.938	238.761
4500.000	0.628	292.322	-13.583	-24.077	4499.748	0.048	-13.583	27.644	240.570
4600.000	0.620	273.840	-13.339	-25.124	4599.742	0.201	-13.339	28.445	242.036
4700.000	0.339	265.168	-13.327	-25.959	4699.738	0.289	-13.327	29.180	242.824
4800.000	0.196	192.119	-13.519	-26.290	4799.737	0.339	-13.519	29.562	242.786
4900.000	0.415	175.059	-14.047	-26.294	4899.736	0.235	-14.047	29.811	241.887
5000.000	0.405	138.839	-14.674	-26.031	4999.733	0.255	-14.674	29.882	240.588
5100.000	0.477	144.347	-15.278	-25.556	5099.730	0.083	-15.278	29.775	239.127
5200.000	0.913	165.225	-16.387	-25.110	5199.723	0.498	-16.387	29.984	236.872
5300.000	0.612	156.542	-17.647	-24.694	5299.714	0.322	-17.647	30.352	234.450
5400.000	0.797	122.560	-18.511	-23.896	5399.707	0.448	-18.511	30.227	232.238
5500.000	0.732	156.011	-19.468	-23.051	5499.698	0.444	-19.468	30.172	229.816
5600.000	0.573	123.736	-20.329	-22.375	5599.692	0.393	-20.329	30.231	227.742
5700.000	0.658	151.048	-21.110	-21.681	5699.687	0.302	-21.110	30.260	225.765
5800.000	0.886	130.169	-22.110	-20.812	5799.678	0.359	-22.110	30.365	223.268
5900.000	0.390	159.667	-22.928	-20.103	5899.671	0.579	-22.928	30.493	221.244
6000.000	0.236	243.672	-23.339	-20.170	5999.670	0.434	-23.339	30.847	220.834
6100.000	0.287	330.519	-23.212	-20.478	6099.670	0.362	-23.212	30.953	221.419
6200.000	0.193	228.071	-23.106	-20.727	6199.669	0.379	-23.106	31.040	221.893
6300.000	0.415	26.848	-22.896	-20.689	6299.668	0.599	-22.896	30.859	222.101
6400.000	0.349	321.568	-22.335	-20.714	6399.667	0.415	-22.335	30.462	222.844
6500.000	0.173	170.514	-22.246	-20.879	6499.666	0.507	-22.246	30.509	223.184
6600.000	0.064	246.955	-22.417	-20.905	6599.666	0.170	-22.417	30.652	223.002
6700.000	0.146	135.413	-22.529	-20.867	6699.666	0.179	-22.529	30.708	222.807
6800.000	0.042	227.239	-22.644	-20.804	6799.666	0.153	-22.644	30.750	222.575
6900.000	0.102	207.070	-22.748	-20.872	6899.666	0.064	-22.748	30.873	222.536
7000.000	0.237	92.104	-22.835	-20.705	6999.665	0.295	-22.835	30.825	222.200
7100.000	0.230	66.341	-22.762	-20.315	7099.664	0.104	-22.762	30.509	221.748
7200.000	0.284	99.512	-22.722	-19.886	7199.664	0.156	-22.722	30.195	221.191
7300.000	0.326	96.859	-22.797	-19.359	7299.662	0.044	-22.797	29.908	220.337