



**Company:** Anadarko Petroleum C  
**Rig:** Production/ VES  
**Latitude:** 40.053820  
**Longitude:** -104.872680  
**API #** 05-123-08153  
**Date:** 10/16/12

**Well:** UPRR 42 Pan Am Unit M1  
**Location:** Weld County  
**North Reference:** True North  
**Depth Reference:** RKB=Ground Level  
**Surveyor:** Levi Sheldon  
**VS:**

Field copy only not definitive.

Depth	Inc	AzG	N/-S	E/-W	TVD	DL	VS	CD	Cbrg
0	0	0	0	0	0	****	0	0	0
100	0.534	138.559	-0.349	0.308	99.999	0.534	-0.349	0.466	138.559
200	0.295	148.952	-0.919	0.75	199.996	0.249	-0.919	1.186	140.804
300	0.271	168.122	-1.371	0.931	299.995	0.097	-1.371	1.657	145.82
400	0.265	204.377	-1.813	0.884	399.994	0.167	-1.813	2.017	154.005
500	0.355	216.666	-2.272	0.604	499.992	0.111	-2.272	2.351	165.119
600	0.407	221.493	-2.787	0.183	599.99	0.062	-2.787	2.793	176.235
700	0.487	235.079	-3.296	-0.401	699.987	0.132	-3.296	3.32	186.93
800	0.696	227.784	-3.947	-1.199	799.982	0.222	-3.947	4.125	196.893
900	0.721	239.238	-4.677	-2.189	899.974	0.144	-4.677	5.164	205.083
1000	0.751	249.949	-5.224	-3.346	999.966	0.141	-5.224	6.204	212.64
1100	0.859	249.376	-5.713	-4.664	1099.956	0.108	-5.713	7.375	219.227
1200	0.868	283.945	-5.795	-6.1	1199.945	0.513	-5.795	8.414	226.473
1300	0.736	290.219	-5.39	-7.438	1299.935	0.158	-5.39	9.186	234.07
1400	0.845	289.339	-4.924	-8.737	1399.926	0.11	-4.924	10.029	240.595
1500	0.861	282.712	-4.514	-10.166	1499.915	0.1	-4.514	11.123	246.056
1600	0.528	275.747	-4.303	-11.357	1599.907	0.344	-4.303	12.145	249.251
1700	0.881	286.656	-4.036	-12.552	1699.9	0.376	-4.036	13.185	252.173
1800	0.557	289.845	-3.651	-13.745	1799.892	0.326	-3.651	14.221	255.123
1900	0.705	294.853	-3.228	-14.76	1899.886	0.158	-3.228	15.108	257.664
2000	0.673	293.02	-2.74	-15.858	1999.878	0.038	-2.74	16.093	260.198
2100	0.702	308.735	-2.127	-16.877	2099.871	0.19	-2.127	17.01	262.818
2200	0.644	308.26	-1.396	-17.795	2199.864	0.058	-1.396	17.85	265.515
2300	0.493	327.294	-0.686	-18.469	2299.859	0.24	-0.686	18.482	267.873
2400	0.321	301.899	-0.176	-18.939	2399.857	0.246	-0.176	18.94	269.468
2500	0.333	284.124	0.043	-19.458	2499.855	0.102	0.043	19.459	270.126
2600	0.406	268.828	0.107	-20.094	2599.853	0.122	0.107	20.095	270.304
2700	0.627	264.356	0.046	-20.993	2699.849	0.224	0.046	20.993	270.124
2800	0.743	279.799	0.102	-22.176	2799.842	0.217	0.102	22.176	270.264
2900	0.971	304.486	0.692	-23.512	2899.831	0.429	0.692	23.523	271.685
3000	0.829	299.412	1.526	-24.84	2999.819	0.163	1.526	24.887	273.516
3100	1.057	299.465	2.335	-26.273	3099.805	0.229	2.335	26.377	275.079
3200	1.089	301.626	3.288	-27.886	3199.788	0.052	3.288	28.079	276.724
3300	1.113	308.665	4.393	-29.454	3299.769	0.137	4.393	29.78	278.483
3400	0.835	296.904	5.33	-30.862	3399.755	0.341	5.33	31.319	279.798
3500	1.16	296.961	6.119	-32.415	3499.74	0.325	6.119	32.987	280.689
3600	1.084	309.469	7.179	-34.047	3599.721	0.256	7.179	34.796	281.906
3700	1.203	309.324	8.445	-35.589	3699.701	0.119	8.445	36.578	283.349

3800	1.015	307.084	9.644	-37.108	3799.682	0.193	9.644	38.341	284.569
3900	1.146	303.788	10.734	-38.645	3899.664	0.145	10.734	40.108	285.524
4000	0.975	308.945	11.825	-40.138	3999.647	0.195	11.825	41.844	286.416
4100	0.653	327.282	12.84	-41.108	4099.637	0.41	12.84	43.066	287.346
4200	0.668	337.227	13.857	-41.642	4199.63	0.115	13.857	43.887	288.406
4300	0.776	326.53	14.959	-42.241	4299.622	0.172	14.959	44.812	289.501
4400	1.015	310.936	16.105	-43.283	4399.61	0.339	16.105	46.182	290.409
4500	1.06	311.372	17.296	-44.646	4499.594	0.046	17.296	47.88	291.177
4600	0.794	304.875	18.304	-45.909	4599.581	0.286	18.304	49.424	291.737
4700	0.878	293.773	19.009	-47.179	4699.57	0.182	19.009	50.864	291.945
4800	0.983	305.101	19.811	-48.581	4799.557	0.211	19.811	52.465	292.185
4900	0.831	293.309	20.591	-49.949	4899.544	0.24	20.591	54.027	292.403
5000	0.756	295.342	21.16	-51.211	4999.535	0.08	21.16	55.411	292.45
5100	0.691	282.793	21.576	-52.396	5099.527	0.171	21.576	56.664	292.382
5200	0.487	268.433	21.698	-53.408	5199.522	0.25	21.698	57.647	292.111
5300	0.641	251.424	21.508	-54.363	5299.517	0.226	21.508	58.463	291.586
5400	0.885	267.484	21.296	-55.665	5399.508	0.322	21.296	59.599	290.936
5500	0.652	259.178	21.156	-56.995	5499.499	0.258	21.156	60.795	290.364
5600	0.907	238.029	20.63	-58.226	5599.49	0.38	20.63	61.772	289.51
5700	0.926	229.111	19.682	-59.508	5699.477	0.144	19.682	62.678	288.301
5800	0.679	224.612	18.731	-60.535	5799.467	0.254	18.731	63.366	287.193
5900	0.641	209.355	17.821	-61.225	5899.461	0.179	17.821	63.766	286.229
6000	0.855	191.534	16.602	-61.649	5999.452	0.314	16.602	63.845	285.073
6100	0.679	195.539	15.301	-61.957	6099.443	0.184	15.301	63.818	283.872
6200	0.69	204.689	14.183	-62.367	6199.436	0.11	14.183	63.959	282.812
6300	0.667	202.383	13.098	-62.84	6299.429	0.036	13.098	64.191	281.773
6400	0.806	228.106	12.09	-63.585	6399.421	0.355	12.09	64.724	280.765
6500	0.871	229.873	11.13	-64.69	6499.41	0.07	11.13	65.64	279.763
6600	0.858	232.979	10.19	-65.869	6599.399	0.049	10.19	66.652	278.794
6700	0.809	230.764	9.292	-67.013	6699.388	0.059	9.292	67.655	277.894
6800	0.784	226.624	8.376	-68.057	6799.379	0.063	8.376	68.571	277.016
6900	1.044	234.665	7.379	-69.298	6899.366	0.289	7.379	69.69	276.078
7000	0.953	233.135	6.353	-70.706	6999.351	0.094	6.353	70.991	275.134
7100	0.947	227.268	5.293	-71.979	7099.337	0.097	5.293	72.173	274.206
7200	0.656	246.051	4.5	-73.11	7199.327	0.388	4.5	73.248	273.522
7300	0.346	230.67	4.076	-73.866	7299.324	0.336	4.076	73.979	273.159
7400	0.386	189.195	3.553	-74.153	7399.322	0.262	3.553	74.239	272.743
7500	0.332	155.883	2.956	-74.089	7499.32	0.212	2.956	74.148	272.285
7600	0.38	151.277	2.401	-73.812	7599.318	0.056	2.401	73.851	271.863
7700	0.793	112.298	1.848	-73.012	7699.313	0.552	1.848	73.036	271.45
7800	0.758	122.433	1.231	-71.813	7799.304	0.141	1.231	71.824	270.982
7900	0.651	116.06	0.626	-70.744	7899.296	0.132	0.626	70.747	270.507
8000	0.792	63.329	0.687	-69.616	7999.289	0.653	0.687	69.619	270.565
8075	0.788	83.47	0.978	-68.64	8074.282	0.368	0.978	68.647	270.816