



**Company:** Anadarko Petroleum Corp

**Rig:** Production / Lightning

**Latitude:** 40.176

**Longitude:** -104.799

**API #** 05-123-17574

**Well:** Herman 32-15K

**Location:** Weld County, Colorado

**North Reference:** True North

**Depth Reference:** Ground Level

**Surveyor:** Robert Davis

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	0.428	265.497	-0.029	-0.372	99.999	0.428	-0.029	0.373	265.497
200.000	0.245	279.471	-0.023	-0.956	199.997	0.199	-0.023	0.956	268.595
300.000	0.383	239.161	-0.160	-1.454	299.996	0.252	-0.160	1.462	263.733
400.000	0.360	260.620	-0.382	-2.050	399.994	0.140	-0.382	2.086	259.442
500.000	0.466	262.077	-0.489	-2.763	499.991	0.107	-0.489	2.806	259.955
600.000	0.490	272.180	-0.529	-3.593	599.988	0.087	-0.529	3.631	261.621
700.000	0.546	262.572	-0.574	-4.492	699.984	0.103	-0.574	4.528	262.712
800.000	0.454	278.715	-0.576	-5.356	799.980	0.167	-0.576	5.387	263.861
900.000	0.659	276.174	-0.454	-6.319	899.975	0.207	-0.454	6.336	265.890
1000.000	0.669	277.969	-0.311	-7.469	999.968	0.023	-0.311	7.476	267.613
1100.000	0.776	269.040	-0.242	-8.725	1099.961	0.155	-0.242	8.728	268.413
1200.000	0.699	269.471	-0.259	-10.012	1199.952	0.077	-0.259	10.016	268.520
1300.000	0.850	281.481	-0.117	-11.350	1299.943	0.221	-0.117	11.350	269.411
1400.000	0.839	267.910	0.004	-12.808	1399.932	0.200	0.004	12.808	270.019
1500.000	0.752	269.654	-0.026	-14.196	1499.923	0.090	-0.026	14.197	269.894
1600.000	0.716	276.415	0.040	-15.474	1599.915	0.094	0.040	15.474	270.146
1700.000	0.831	277.062	0.199	-16.815	1699.905	0.115	0.199	16.816	270.676
1800.000	0.731	274.530	0.338	-18.171	1799.896	0.106	0.338	18.174	271.066
1900.000	0.813	283.226	0.551	-19.498	1899.887	0.143	0.551	19.506	271.618
2000.000	0.819	269.664	0.709	-20.904	1999.877	0.193	0.709	20.916	271.943
2100.000	0.737	250.170	0.487	-22.224	2099.868	0.276	0.487	22.229	271.255
2200.000	0.766	253.441	0.078	-23.469	2199.859	0.052	0.078	23.469	270.191
2300.000	0.415	256.449	-0.197	-24.462	2299.854	0.352	-0.197	24.462	269.538
2400.000	0.517	250.748	-0.431	-25.240	2399.851	0.112	-0.431	25.244	269.022
2500.000	0.451	193.129	-0.963	-25.756	2499.848	0.470	-0.963	25.774	267.859
2600.000	0.347	192.882	-1.642	-25.913	2599.845	0.104	-1.642	25.965	266.375
2700.000	0.262	170.794	-2.163	-25.944	2699.844	0.143	-2.163	26.034	265.234
2800.000	0.427	194.888	-2.749	-26.003	2799.842	0.216	-2.749	26.148	263.965
2900.000	0.438	192.314	-3.483	-26.180	2899.839	0.023	-3.483	26.411	262.422
3000.000	0.260	175.508	-4.083	-26.244	2999.837	0.204	-4.083	26.559	261.157
3100.000	0.470	183.205	-4.718	-26.249	3099.835	0.215	-4.718	26.670	259.810
3200.000	0.523	195.724	-5.567	-26.395	3199.831	0.120	-5.567	26.976	258.091
3300.000	0.546	168.256	-6.472	-26.422	3299.827	0.255	-6.472	27.203	256.237
3400.000	0.331	132.800	-7.134	-26.113	3399.824	0.337	-7.134	27.070	254.720
3500.000	0.513	160.484	-7.752	-25.752	3499.822	0.268	-7.752	26.894	253.247
3600.000	0.335	171.848	-8.463	-25.561	3599.819	0.196	-8.463	26.926	251.681
3700.000	0.621	145.184	-9.197	-25.211	3699.815	0.355	-9.197	26.836	249.958
3800.000	0.821	157.399	-10.303	-24.626	3799.808	0.251	-10.303	26.694	247.297

3900.000	1.165	102.264	-11.180	-23.358	3899.794	0.968	-11.180	25.896	244.422
4000.000	1.570	69.758	-10.922	-21.080	3999.767	0.858	-10.922	23.741	242.610
4100.000	1.713	54.332	-9.577	-18.580	4099.727	0.463	-9.577	20.903	242.732
4200.000	1.756	60.000	-7.939	-16.039	4199.681	0.177	-7.939	17.897	243.665
4300.000	1.893	74.538	-6.733	-13.120	4299.631	0.481	-6.733	14.747	242.835
4400.000	1.902	83.957	-6.118	-9.878	4399.576	0.312	-6.118	11.619	238.229
4500.000	1.736	105.387	-6.345	-6.767	4499.527	0.696	-6.345	9.276	226.846
4600.000	1.755	115.259	-7.400	-3.922	4599.481	0.301	-7.400	8.375	207.925
4700.000	1.847	108.738	-8.571	-1.011	4699.431	0.224	-8.571	8.631	186.730
4800.000	1.981	115.108	-9.822	2.079	4799.376	0.251	-9.822	10.040	168.047
4900.000	1.996	129.421	-11.661	4.989	4899.316	0.496	-11.661	12.683	156.836
5000.000	2.055	130.387	-13.928	7.700	4999.254	0.069	-13.928	15.915	151.065
5100.000	1.781	120.493	-15.879	10.405	5099.198	0.429	-15.879	18.984	146.765
5200.000	1.450	98.371	-16.851	12.996	5199.159	0.700	-16.851	21.280	142.361
5300.000	1.242	88.968	-17.016	15.331	5299.131	0.303	-17.016	22.904	137.982
5400.000	1.158	99.630	-17.166	17.411	5399.110	0.238	-17.166	24.450	134.593
5500.000	0.627	114.650	-17.563	18.905	5499.097	0.575	-17.563	25.804	132.893
5600.000	0.656	144.366	-18.257	19.736	5599.091	0.330	-18.257	26.885	132.770
5700.000	1.016	135.979	-19.360	20.686	5699.080	0.379	-19.360	28.332	133.103
5800.000	1.349	176.134	-21.172	21.381	5799.061	0.870	-21.172	30.090	134.718
5900.000	0.730	197.864	-22.953	21.265	5899.044	0.724	-22.953	31.289	137.185
6000.000	0.703	276.357	-23.491	20.461	5999.038	0.906	-23.491	31.152	138.944
6100.000	0.845	337.378	-22.742	19.568	6099.031	0.795	-22.742	30.002	139.291
6200.000	0.938	14.228	-21.268	19.485	6199.019	0.570	-21.268	28.845	137.506
6300.000	0.587	68.837	-20.290	20.164	6299.012	0.766	-20.290	28.606	135.178
6400.000	1.268	82.584	-19.962	21.740	6398.998	0.711	-19.962	29.514	132.560
6500.000	1.018	97.156	-19.930	23.718	6498.978	0.382	-19.930	30.980	130.040
6600.000	1.201	96.975	-20.168	25.639	6598.959	0.183	-20.168	32.621	128.189
6700.000	1.124	74.093	-20.026	27.622	6698.939	0.467	-20.026	34.118	125.942
6800.000	1.031	53.406	-19.222	29.288	6798.922	0.397	-19.222	35.032	123.277
6900.000	1.685	26.930	-17.375	30.676	6898.894	0.890	-17.375	35.254	119.527
7000.000	2.055	22.556	-14.408	32.029	6998.841	0.397	-14.408	35.121	114.220
7100.000	2.187	21.649	-10.978	33.421	7098.772	0.136	-10.978	35.178	108.184
7200.000	2.378	24.577	-7.317	34.988	7198.693	0.223	-7.317	35.745	101.812
7300.000	2.339	34.692	-3.753	37.013	7298.609	0.418	-3.753	37.202	95.789