

**GyroTracer Directional:**

Date: 11/24/2018  
 Operator : Jordan Hucke  
 API: 05-123-07224  
 Well Name: **UPRR Pan Am 1 #49**  
 Field : Anadarko Petroleum Corp  
 Tool Type And Number: 1717  
 Bottom Depth : 7350.00  
 Latitude : 40.30704 N  
 Longitude : 104.88402 W

**Starting Point Coordinates (in local grid):**

Northing: 0.00      Easting: 0.00      Altitude: 4918.00

**Description:**

*Azimuth measured in degrees and referenced to True North*

*Inclination measured from Vertical*

*Length measured in US survey feet*

*Lat/Long/Elevation obtained with handheld GPS at wellhead. Device Error ± 13 feet*

Start Time: 11/24/2018 14:19

End Time: 11/24/2018 15:29

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.000	0.120	180.930	78.690	100.000	0.040	0.200	0.120	0.204
200.000	0.200	159.799	133.346	199.999	-0.286	0.303	0.100	0.416
300.000	0.110	25.680	118.754	299.999	-0.286	0.520	0.290	0.594
400.000	0.110	253.929	98.472	399.998	-0.076	0.511	0.200	0.516
500.000	0.010	260.204	87.561	499.998	0.018	0.412	0.101	0.412
600.000	0.100	331.654	87.286	599.998	0.013	0.264	0.097	0.264
700.000	0.010	259.294	111.466	699.997	-0.046	0.117	0.097	0.125
800.000	0.010	179.204	253.150	799.997	-0.041	-0.136	0.016	0.142
900.000	0.080	275.634	270.717	899.996	0.004	-0.333	0.083	0.333
1000.000	0.040	227.272	263.190	999.995	-0.063	-0.529	0.063	0.533
1100.000	0.090	273.776	256.571	1099.995	-0.160	-0.672	0.067	0.691
1200.000	0.180	284.124	259.343	1199.994	-0.180	-0.957	0.087	0.973
1300.000	0.410	269.808	261.827	1299.993	-0.192	-1.337	0.231	1.351
1400.000	0.250	222.012	257.301	1399.991	-0.420	-1.865	0.887	1.912
1500.000	0.470	246.321	250.615	1499.988	-0.870	-2.474	0.241	2.622
1600.000	0.500	227.621	246.271	1599.986	-1.284	-2.922	0.200	3.192
1700.000	0.360	239.439	245.940	1699.982	-1.619	-3.626	0.128	3.971
1800.000	0.800	238.670	243.935	1799.979	-2.090	-4.273	0.433	4.757
1900.000	0.570	215.810	241.201	1899.972	-2.798	-5.089	0.392	5.807
2000.000	0.700	220.777	239.915	1999.965	-3.499	-6.039	0.114	6.979
2100.000	0.500	231.907	239.764	2099.959	-3.934	-6.750	0.169	7.813
2200.000	0.860	245.632	239.889	2199.949	-4.572	-7.883	0.517	9.113
2300.000	0.560	222.192	238.194	2299.942	-5.398	-8.704	0.455	10.242
2400.000	0.460	221.898	236.450	2399.932	-6.401	-9.652	0.204	11.582
2500.000	0.720	217.346	235.138	2499.923	-7.354	-10.556	0.171	12.865
2600.000	0.610	259.700	236.268	2599.911	-7.883	-11.807	0.467	14.197
2700.000	1.840	206.391	236.759	2699.900	-8.590	-13.107	1.561	15.671
2800.000	1.010	248.627	237.099	2799.888	-9.349	-14.450	0.694	17.210
2900.000	0.960	253.849	236.874	2899.875	-10.221	-15.664	0.080	18.704

3000.000	1.010	230.392	236.992	2999.861	-11.079	-17.055	0.406	20.338
3100.000	0.980	250.741	239.073	3099.840	-11.367	-18.972	0.381	22.117
3200.000	1.420	261.311	242.348	3199.806	-11.298	-21.563	0.435	24.343
3300.000	1.160	291.862	244.277	3299.779	-11.439	-23.743	0.695	26.354
3400.000	0.790	252.935	247.136	3399.747	-10.999	-26.085	0.677	28.309
3500.000	1.480	290.320	248.777	3499.713	-11.088	-28.553	0.828	30.630
3600.000	1.290	245.393	249.956	3599.687	-11.227	-30.773	1.063	32.758
3700.000	0.910	225.940	249.913	3699.670	-11.859	-32.430	0.514	34.530
3800.000	1.140	250.660	249.480	3799.658	-12.597	-33.657	0.477	35.937
3900.000	0.650	218.362	249.466	3899.645	-13.146	-35.097	0.735	37.478
4000.000	0.470	225.411	249.161	3999.637	-13.774	-36.186	0.310	38.719
4100.000	0.490	256.122	249.262	4099.627	-14.174	-37.435	0.273	40.028
4200.000	0.520	249.491	249.127	4199.623	-14.567	-38.202	0.079	40.885
4300.000	0.600	226.438	248.858	4299.618	-15.103	-39.055	0.230	41.874
4400.000	0.520	240.394	248.689	4399.612	-15.562	-39.891	0.124	42.819
4500.000	0.220	192.928	248.337	4499.610	-15.980	-40.230	0.351	43.288
4600.000	0.120	285.075	248.111	4599.609	-16.193	-40.303	0.184	43.435
4700.000	0.270	4.316	248.023	4699.609	-16.262	-40.296	0.282	43.454
4800.000	0.240	306.970	248.232	4799.609	-16.183	-40.526	0.235	43.638
4900.000	0.340	268.013	248.512	4899.608	-16.015	-40.680	0.624	43.719
5000.000	0.140	269.795	248.825	4999.607	-15.874	-40.980	0.200	43.948
5100.000	0.280	282.332	249.130	5099.605	-15.857	-41.589	0.141	44.510
5200.000	0.080	342.835	249.551	5199.602	-15.664	-42.009	0.250	44.834
5300.000	0.360	260.884	249.787	5299.598	-15.774	-42.842	0.356	45.654
5400.000	0.800	284.061	250.145	5399.591	-15.855	-43.907	0.481	46.682
5500.000	0.880	284.065	250.807	5499.584	-15.704	-45.115	0.082	47.770
5600.000	0.470	287.564	251.577	5599.576	-15.410	-46.261	0.407	48.760
5700.000	0.660	307.904	252.573	5699.570	-14.803	-47.158	0.270	49.427
5800.000	0.250	293.105	253.569	5799.563	-14.196	-48.138	0.432	50.187
5900.000	0.350	323.287	254.697	5899.556	-13.346	-48.774	0.178	50.567
6000.000	0.560	349.069	255.577	5999.552	-12.669	-49.261	0.288	50.864
6100.000	0.190	327.437	256.634	6099.546	-11.820	-49.748	0.387	51.133
6200.000	0.720	3.214	257.259	6199.544	-11.303	-49.988	0.570	51.250
6300.000	0.520	333.536	257.959	6299.541	-10.711	-50.213	0.369	51.343
6400.000	0.380	302.538	258.584	6399.539	-10.201	-50.522	0.272	51.542
6500.000	0.180	318.546	259.111	6499.537	-9.809	-50.987	0.209	51.922
6600.000	0.160	314.880	259.458	6599.536	-9.547	-51.306	0.021	52.187
6700.000	0.380	287.330	259.877	6699.534	-9.223	-51.660	0.245	52.477
6800.000	0.190	340.200	260.188	6799.533	-8.986	-51.957	0.303	52.729
6900.000	0.410	276.850	260.414	6899.531	-8.866	-52.494	0.364	53.237
7000.000	0.180	319.120	260.397	6999.530	-8.939	-52.831	0.301	53.582
7100.000	0.250	240.870	260.559	7099.529	-8.859	-53.275	0.276	54.007
7200.000	0.040	270.880	260.413	7199.528	-9.060	-53.638	0.222	54.398
7300.000	0.140	196.730	260.181	7299.527	-9.320	-53.847	0.133	54.648
7350.000	0.120	220.320	260.151	7349.527	-9.365	-53.940	0.096	54.747