

GyroTracer Directional:

Date: 9/6/2018
 Operator : Adrian Bruner
 API: 05-123-26092
 Well Name : **Hagemeister USX AA 7-2**
 Field : Noble Energy Inc
 Tool Type And Number: 1717
 Bottom Depth : 6700.00
 Total Well Depth: 6960.00
 Latitude : 40.506385 N
 Longitude : 104.477387 W
 Grid Offset : 0.66

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

Northing: 0.00 Easting: 0.00 Altitude: 4690.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 9/6/2018 8:30

End Time: 9/6/2018 9:43

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	0.760	64.636	5.625	99.990	1.320	0.130	0.760	1.326
200.000	0.148	76.384	24.740	199.986	1.828	0.842	0.618	2.013
300.000	0.080	353.333	29.599	299.984	2.035	1.156	0.170	2.341
400.000	0.304	115.255	36.169	399.983	1.902	1.391	0.369	2.356
500.000	0.346	164.649	43.785	499.983	1.633	1.565	0.291	2.262
600.000	0.451	147.907	64.180	599.978	1.077	2.226	0.120	2.472
700.000	0.267	136.258	81.019	699.973	0.474	3.002	0.275	3.039
800.000	0.219	64.524	88.423	799.970	0.098	3.565	0.453	3.566
900.000	0.170	104.630	88.454	899.970	0.096	3.566	0.130	3.568
1000.000	0.130	81.786	88.509	999.970	0.093	3.580	0.093	3.581
1100.000	0.117	116.146	88.541	1099.969	0.091	3.564	0.087	3.566
1200.000	0.102	147.593	88.330	1199.969	0.103	3.549	0.082	3.550
1300.000	0.221	140.450	88.333	1299.968	0.102	3.514	0.115	3.515
1400.000	0.175	228.359	87.536	1399.968	0.150	3.475	0.231	3.478
1500.000	0.178	283.046	87.431	1499.967	0.156	3.487	0.100	3.491
1600.000	0.207	257.895	88.183	1599.967	0.110	3.466	0.100	3.468
1700.000	0.278	199.900	88.467	1699.966	0.093	3.488	0.244	3.489
1800.000	0.299	239.054	88.608	1799.966	0.085	3.483	0.248	3.484
1900.000	0.049	71.884	89.996	1899.965	0.000	3.665	0.245	3.665
2000.000	0.342	53.403	88.701	1999.965	0.082	3.627	0.302	3.628
2100.000	0.119	146.836	88.870	2099.964	0.075	3.794	0.354	3.795
2200.000	0.291	307.761	89.014	2199.963	0.066	3.843	0.482	3.843
2300.000	0.310	226.500	90.886	2299.962	-0.057	3.706	0.308	3.706

2400.000	0.149	148.641	89.534	2399.962	0.028	3.500	0.313	3.500
2500.000	0.228	84.332	89.467	2499.961	0.035	3.741	0.321	3.741
2600.000	0.238	240.798	90.992	2599.960	-0.065	3.730	0.384	3.731
2700.000	0.277	36.667	89.011	2699.959	0.064	3.711	0.485	3.712
2800.000	0.157	212.708	90.776	2799.959	-0.052	3.825	0.398	3.826
2900.000	0.438	283.165	90.998	2899.958	-0.063	3.625	0.411	3.626
3000.000	0.450	39.983	87.240	2999.957	0.168	3.485	0.738	3.489
3100.000	0.130	182.683	87.801	3099.956	0.135	3.520	0.379	3.523
3200.000	0.192	290.520	86.305	3199.956	0.230	3.555	0.233	3.563
3300.000	0.426	314.604	80.522	3299.954	0.512	3.067	0.310	3.109
3400.000	0.697	310.222	64.752	3399.949	1.117	2.369	0.252	2.620
3500.000	0.483	317.564	44.480	3499.944	1.582	1.554	0.281	2.218
3600.000	0.134	37.225	41.216	3599.943	1.655	1.449	0.259	2.200
3700.000	0.195	92.159	38.978	3699.943	1.665	1.347	0.185	2.142
3800.000	0.178	137.181	38.203	3799.942	1.655	1.302	0.122	2.106
3900.000	0.354	160.644	36.619	3899.942	1.666	1.238	0.280	2.075
4000.000	0.160	243.235	35.249	3999.942	1.657	1.171	0.203	2.030
4100.000	0.073	280.357	37.780	4099.941	1.670	1.294	0.115	2.113
4200.000	0.210	64.203	37.351	4199.941	1.638	1.250	0.353	2.060
4300.000	0.205	249.043	37.004	4299.940	1.858	1.400	0.474	2.326
4400.000	0.279	83.036	38.877	4399.939	1.874	1.511	0.463	2.407
4500.000	0.106	131.808	38.760	4499.939	1.752	1.407	0.574	2.247
4600.000	0.106	194.761	37.323	4599.938	1.690	1.288	0.086	2.125
4700.000	0.088	295.977	38.011	4699.938	1.730	1.352	0.144	2.195
4800.000	0.160	256.112	39.585	4799.937	1.635	1.352	0.115	2.121
4900.000	0.265	136.981	40.952	4899.936	1.730	1.501	0.063	2.291
5000.000	0.154	53.186	45.920	4999.935	1.818	1.878	0.277	2.614
5100.000	0.143	337.014	48.896	5099.934	1.767	2.025	0.207	2.688
5200.000	0.200	329.405	50.841	5199.933	1.693	2.079	0.179	2.681
5300.000	0.079	140.603	49.133	5299.933	1.703	1.969	0.186	2.603
5400.000	0.210	172.989	47.074	5399.932	1.762	1.894	0.176	2.587
5500.000	0.113	194.312	46.950	5499.932	1.744	1.867	0.081	2.555
5600.000	0.130	217.881	47.558	5599.931	1.724	1.885	0.038	2.554
5700.000	0.146	252.491	47.840	5699.930	1.687	1.863	0.089	2.514
5800.000	0.336	231.037	46.969	5799.930	1.690	1.810	0.267	2.477
5900.000	0.094	158.689	47.261	5899.929	1.649	1.785	0.333	2.430
6000.000	0.185	338.681	47.303	5999.929	1.661	1.800	0.268	2.449
6100.000	0.094	165.549	48.111	6099.928	1.599	1.783	0.120	2.395
6200.000	0.068	140.606	45.116	6199.927	1.650	1.657	0.097	2.338
6300.000	0.188	40.750	45.834	6299.926	1.705	1.755	0.198	2.447
6400.000	0.184	271.774	44.087	6399.926	1.797	1.740	0.301	2.501
6500.000	0.353	200.769	45.170	6499.925	1.767	1.778	0.340	2.507
6600.000	0.207	219.365	46.651	6599.924	1.620	1.716	0.204	2.359
6700.000	0.520	38.885	46.530	6699.923	1.681	1.773	0.686	2.443
6700.910	0.490	35.830	46.500	6700.833	1.688	1.778	0.544	2.452