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Company: ALTA MESA SERVICES
Lease/Well: DJS PROPERTIES/ #2-14
A.P.I.#: 11-075-20023
Fig Name: PAUL GRAHAM #7
State/County: IDAHO/PAYETTE
Latitude: 44.039, Longitude: -116.783
Directions are relative to True North
VS-Azi: 0.000 Degrees

FIELD COPY ONLY (NOT DEFINITIVE)

Depth Reference : RKB= 14'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: djsproperties2-14-de_01.ut
Minimum Curvature Method
Report Date/Time: 9/17/2014 / 15:08

VES Survey International
Pinedale, Wyoming
866-835-8333
Jay Hinman
DJS Properties 2-14

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N-S FT	+E-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	****
100.000	0.515	127.775	99.999	-0.275	0.355	-0.275	0.449	127.775	0.515
200.000	0.570	129.887	199.994	-0.869	1.092	-0.869	1.396	128.527	0.058
300.000	0.256	121.850	299.991	-1.306	1.663	-1.306	2.115	128.143	0.318
400.000	0.157	130.973	399.991	-1.514	1.957	-1.514	2.474	127.733	0.104
500.000	0.203	165.111	499.990	-1.775	2.106	-1.775	2.754	130.134	0.115
600.000	0.131	180.046	599.990	-2.061	2.151	-2.061	2.979	133.776	0.084
700.000	0.295	170.804	699.989	-2.430	2.192	-2.430	3.273	137.942	0.167
800.000	0.331	176.586	799.988	-2.972	2.251	-2.972	3.728	142.864	0.048
900.000	0.248	31.012	899.987	-3.074	2.380	-3.074	3.888	142.260	0.554
1000.000	0.141	220.547	999.987	-2.982	2.411	-2.982	3.835	141.038	0.388
1100.000	0.084	232.891	1099.987	-3.119	2.273	-3.119	3.860	143.916	0.062
1200.000	0.513	10.380	1199.986	-2.723	2.296	-2.723	3.562	139.865	0.578
1300.000	0.730	340.800	1299.980	-1.680	2.167	-1.680	2.742	127.795	0.381
1400.000	0.405	19.245	1399.975	-0.745	2.074	-0.745	2.203	109.748	0.484
1500.000	0.538	17.532	1499.972	0.037	2.332	0.037	2.332	89.080	0.134
1600.000	0.914	5.026	1599.964	1.280	2.543	1.280	2.847	63.286	0.406
1700.000	1.021	16.274	1699.949	2.929	2.863	2.929	4.096	44.340	0.217
1800.000	1.133	18.648	1799.932	4.721	3.428	4.721	5.835	35.987	0.121
1900.000	1.320	13.264	1899.909	6.779	4.009	6.779	7.876	30.598	0.220
2000.000	1.227	359.288	1999.884	8.971	4.260	8.971	9.931	25.401	0.323
2100.000	1.604	7.263	2099.854	11.430	4.424	11.430	12.256	21.157	0.424
2200.000	1.701	10.253	2199.812	14.278	4.865	14.278	15.084	18.814	0.130
2300.000	1.658	358.968	2299.769	17.184	5.103	17.184	17.926	16.538	0.333
2400.000	1.733	13.924	2399.726	20.098	5.440	20.098	20.821	15.147	0.447
2500.000	1.677	19.969	2499.682	22.941	6.304	22.941	23.792	15.365	0.188
2600.000	1.686	23.125	2599.639	25.670	7.382	25.670	26.710	16.043	0.093
2700.000	2.004	20.636	2699.587	28.658	8.575	28.658	29.914	16.659	0.328
2800.000	1.752	21.617	2799.533	31.716	9.755	31.716	33.182	17.096	0.254
2900.000	2.211	19.381	2899.473	34.957	10.958	34.957	36.635	17.405	0.465
3000.000	2.069	14.692	2999.403	38.523	12.056	38.523	40.366	17.378	0.225
3100.000	2.080	13.599	3099.333	41.013	12.941	42.033	43.980	17.112	0.041
3200.000	2.557	17.567	3199.256	43.913	14.141	45.923	48.022	17.001	0.503
3300.000	2.818	25.933	3299.146	50.200	15.789	50.200	52.682	17.440	0.471
3400.000	2.914	23.715	3399.021	54.799	17.886	54.799	57.644	18.077	0.147

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<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>TVD FT</i>	<i>+N/-S FT</i>	<i>+E/-W FT</i>	<i>Vertical Section FT</i>	<i>Closure Distance FT</i>	<i>Closure Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
3500.000	2.681	28.046	498.902	51.110	20.909	59.900	62.481	18.677	0.314
3600.000	2.685	18.287	3598.793	63.419	21.843	63.419	67.132	18.989	0.456
3700.000	2.302	17.930	3698.698	67.613	23.196	67.613	71.482	18.936	0.383
3800.000	1.672	13.559	3798.637	70.942	24.157	70.942	74.942	18.804	0.648
3900.000	0.952	343.500	3898.612	73.157	24.263	73.157	77.076	18.348	0.973
4000.000	0.564	299.894	3998.603	74.199	23.600	74.199	77.862	17.644	0.669
4100.000	0.856	252.493	4098.596	74.220	22.461	74.220	77.544	16.838	0.630
4200.000	1.104	210.915	4198.583	73.168	21.254	73.168	76.193	16.198	0.733
4300.000	1.181	231.351	4298.563	71.698	19.954	71.698	74.423	15.552	0.412
4400.000	1.351	215.487	4398.539	70.094	18.465	70.094	72.486	14.758	0.388
4500.000	1.109	222.184	4498.516	68.417	17.130	68.417	70.529	14.057	0.281
4600.000	1.216	234.285	4598.496	67.081	15.619	67.081	68.875	13.107	0.267
4700.000	2.044	245.394	4698.455	65.719	13.137	65.719	67.019	11.304	0.883
4800.000	2.070	257.790	4798.391	64.595	9.751	64.595	65.327	8.584	0.445
4900.000	1.360	267.848	4898.346	64.168	6.800	64.168	64.528	6.049	0.768
5000.000	1.093	302.827	4998.324	64.641	4.813	64.641	64.820	4.258	0.780
5100.000	1.805	324.212	5098.292	66.435	3.091	66.435	66.507	2.664	0.882
5200.000	2.570	326.577	5198.218	69.584	0.935	69.584	69.590	0.770	0.771
5300.000	1.962	338.568	5298.140	73.049	-0.926	73.049	73.055	359.274	0.768
5400.000	2.241	346.821	5398.073	76.547	-1.997	76.547	76.573	358.505	0.411
5497.000	2.544	339.725	5494.989	80.413	-3.176	80.413	80.476	357.738	0.436

HORIZONTAL DISPLACEMENT IS
80.476 FEET AT 357.738 DEGREES

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