

Job Number: CA141738

State/Country: Colorado

Company: Craigs Energy

Declination: 8.28

Lease/Well: Spaur EH 31-339HN

Grid: 52.24

Location: Sec 31, T7N, R63W

File name: C:\USERS\2CE331~1\DESKTOP\SPAURS~1\COMPLE~

Rig Name: Craig # 7

Date/Time: 24-Aug-14 / 08:29

RKB: 4752

Curve Name: Spaur EH 31-339HN

G.L. or M.S.L.: 4736

Spaur EH 31-339HN**WINSERVE SURVEY CALCULATIONS***Minimum Curvature Method**Vertical Section Plane .00**Vertical Section Referenced to Wellhead**Rectangular Coordinates Referenced to Wellhead*

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>C L O S U R E Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
151.00	.30	179.30	151.00	-.40	.00	-.40	.40	179.30	.20
241.00	.20	340.30	241.00	-.48	-.05	-.48	.49	185.35	.55
331.00	.40	295.20	331.00	-.20	-.38	-.20	.43	242.23	.33
421.00	.50	285.10	421.00	.03	-1.05	.03	1.05	271.90	.14
511.00	.20	331.40	510.99	.27	-1.50	.27	1.53	280.39	.43
601.00	.20	69.00	600.99	.47	-1.43	.47	1.50	288.18	.33
691.00	.20	175.10	690.99	.37	-1.27	.37	1.32	286.21	.36
781.00	.40	89.20	780.99	.22	-.94	.22	.97	282.97	.48
871.00	.50	186.50	870.99	-.17	-.67	-.17	.69	255.87	.75
961.00	.70	174.50	960.99	-1.11	-.66	-1.11	1.29	210.94	.26
1041.00	.70	123.50	1040.98	-1.86	-.21	-1.86	1.87	186.40	.75
Straight Line Bit Projection									
1070.00	.70	123.50	1069.98	-2.06	.09	-2.06	2.06	177.59	.00