



Minimun Curvature Calculation

Client: CARTEL 15

MWD Operators: LOUIE ISAIS

Well: AD FED DOUBLE CLUTCH # 20W-25-6

Directional Drillers: BRENT LABORDE

County: WELD

Correction to True North: 7.97

Rig: CARTEL 15

RKB:

14.7

Job #: KES0405192-6

VS Azimuth: 273.97

API#: 05-123-45040

		INC	AZM	TVD	+N/-S	+E/-W	VS	DLS
		0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	110	0.70	147.89	110.00	-0.57	0.36	-0.40	0.64
248	198	0.53	153.87	197.99	-1.39	0.82	-0.92	0.21
335	285	1.45	143.85	284.98	-2.64	1.65	-1.83	1.07
422	372	0.62	11.66	371.97	-3.07	2.39	-2.60	2.21
510	460	0.44	351.53	459.97	-2.27	2.44	-2.59	0.29
597	547	1.27	17.55	546.96	-1.02	2.68	-2.75	1.03
684	634	1.27	327.37	633.94	0.71	2.45	-2.40	1.24
772	722	1.14	264.52	721.92	1.45	1.05	-0.95	1.43
859	809	1.23	246.95	808.90	1.00	-0.67	0.73	0.43
946	896	1.01	224.97	895.89	0.09	-2.07	2.07	0.55
1033	983	1.10	209.68	982.87	-1.17	-3.02	2.93	0.34
1121	1071	0.22	97.97	1070.87	-1.93	-3.27	3.13	1.36
1208	1158	1.10	142.53	1157.86	-2.62	-2.60	2.41	1.10
1295	1245	1.05	139.36	1244.85	-3.88	-1.57	1.30	0.09
1382	1332	0.53	143.50	1331.84	-4.81	-0.81	0.48	0.60
1470	1420	0.31	13.42	1419.84	-4.91	-0.52	0.18	0.87
1557	1507	1.14	338.88	1506.83	-3.87	-0.77	0.50	1.04
1570	1520	1.14	337.91	1519.83	-3.63	-0.87	0.62	0.15
PTB	1570	1.14	337.91	1569.82	-2.71	-1.24	1.05	0.00

