

PathFinder Energy Services

Survey Report

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 0.00 deg.

Page 1
Job No: J-WT-0506-0096 WT WT
Date: 9/28/2005
Time: 10:28 am
Wellpath ID: 05060096
Date Created: 6/22/2005
Last Revision: 9/28/2005

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

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OCT 03 2005

OCU-ARTESIA

Marbob Energy
Charlie Fee #1
L&M #1
Eddy Co. NM

05060096

33987
30-215-33639

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
Begin PathFinder MWD Surveys										
633.00	3.08	63.61	633.00	632.70	7.56	7.56 N	15.24 E	17.01@	63.61	0.49
705.00	2.37	55.44	72.00	704.61	9.26	9.26 N	18.20 E	20.42@	63.02	1.12
765.00	0.70	42.96	60.00	764.59	10.24	10.24 N	19.47 E	21.95@	62.26	2.82
827.00	0.35	10.44	62.00	826.59	10.70	10.70 N	19.76 E	22.47@	61.56	0.72
890.00	0.62	354.09	63.00	889.59	11.23	11.23 N	19.76 E	22.73@	60.39	0.48
950.00	0.62	339.85	60.00	949.58	11.86	11.86 N	19.61 E	22.92@	58.85	0.26
1012.00	0.79	336.95	62.00	1011.58	12.56	12.56 N	19.33 E	23.06@	56.98	0.28
1075.00	1.06	331.15	63.00	1074.57	13.47	13.47 N	18.88 E	23.20@	54.49	0.45
1137.00	0.79	319.28	62.00	1136.56	14.30	14.30 N	18.32 E	23.24@	52.03	0.53
1200.00	0.70	293.97	63.00	1199.56	14.79	14.79 N	17.69 E	23.06@	50.11	0.54
1262.00	0.79	286.68	62.00	1261.55	15.06	15.06 N	16.93 E	22.66@	48.35	0.21
1323.00	1.06	291.25	61.00	1322.54	15.39	15.39 N	16.01 E	22.20@	46.13	0.46
1386.00	1.14	305.22	63.00	1385.53	15.96	15.96 N	14.95 E	21.87@	43.13	0.44
1448.00	1.49	307.07	62.00	1447.51	16.80	16.80 N	13.80 E	21.74@	39.40	0.57
1510.00	1.06	282.37	62.00	1509.50	17.41	17.41 N	12.60 E	21.45@	35.89	1.11
1572.00	1.06	275.52	62.00	1571.49	17.59	17.59 N	11.47 E	21.00@	33.11	0.20
1634.00	1.32	273.32	62.00	1633.48	17.69	17.69 N	10.19 E	20.41@	29.94	0.43
1697.00	0.53	237.37	63.00	1696.47	17.57	17.57 N	9.22 E	19.84@	27.68	1.50
1759.00	0.70	185.43	62.00	1758.46	17.04	17.04 N	8.94 E	19.24@	27.68	0.90
1821.00	0.53	196.24	62.00	1820.46	16.39	16.39 N	8.82 E	18.61@	28.30	0.33
1882.00	0.70	192.02	61.00	1881.46	15.75	15.75 N	8.67 E	17.98@	28.82	0.29
Straight Line Projection To The Bit										
1931.00	0.70	192.02	49.00	1930.45	15.17	15.17 N	8.54 E	17.41@	29.39	0.00