Halliburton Energy Services

Proposal Report

Date: 11/1/96
Time: 3:47 pm
Wellpath ID: PROPOSAL
Last Revision: 11/1/96

Calculated using the Minimum Curvature Method
Computed using WIN-CADDS REV2.2.2
Vertical Section Plane: N 85.30 W

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

CHESAPEAKE ENERGY CORPORATION
LOVINGTON #1-5
LEA COUNTY, NEW MEXICO
SEC.4-T16S-R36E
PROPOSAL
SURFACE LOCATION
2190' FSL, 810' FWL SEC. 4
BOTTOM HOLE LOCATION
2310' FSL, 750' FEL SEC. 5

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	(ft)	DLS (dg/100ft)
TIE IN								
0.00	0.00	N 0.00 E	0.00	0.00	0.00	0.00 N	0.00 E	0.00
4500.00	0.00	N 0.00 E	4500.00	4500.00	0.00	0.00 N	0.00 E	0.00
KOP / START OF BUILD @ 3.00 deg/100 ft								
8278.03	0.00	N 0.00 E	3778.03	8278.03	0.00	0.00 N	0.00 E	0.00
8378.03	3.00	N 85.30 W	100.00	8377.99	2.62	0.21 N	2.61W	3.00
8478.03	6.00	N 85.30 W	100.00	8477.67	10.46	0.86 N	10.43W	3.00
8578.03	9.00	N 85.30 W	100.00	8576.80	23.51	1.93 N	23.43W	3.00
8678.03	12.00	N 85.30 W	100.00	8675.12	41.74	3.42 N	41.59W	3.00
8778.03	15.00	N 85.30 W	100.00	8772.34	65.08	5.33 N	64.86W	3.00
8878.03	18.00	N 85.30 W	100.00	8868.21	93.48	7.66 N	93.16W	3.00
8978.03	21.00	N 85.30 W	100.00	8962.47	126.85	10.39 N	126.43W	3.00
9078.03	24.00	N 85.30 W	100.00	9054.84	165.12	13.53 N	164.56W	3.00
9178.03	27.00	N 85.30 W	100.00	9145.09	208.16	17.05 N	207.46W	3.00
9278.03	30.00	N 85.30 W	100.00	9232.96	255.87	20.96 N	255.01W	3.00
WOLFCAMP MARKER								
9509.02	30.00	N 85.30 W	230.98	9433.00	371.36	30.42 N	370.12W	0.00
WOLFCAMP SYSTEM								
10503.21	30.00	N 85.30 W	994.20	10294.00	868.46	71.14 N	865.54W	0.00
GILMORE ZONE								
10682.19	30.00	N 85.30 W	178.98	10449.00	957.95	78.47 N	954.73W	0.00
TOWNSEND ZONE								
11100.20	30.00	N 85.30 W	418.00	10811.00	1166.95	95.59 N	1163.03W	0.00
START OF DROP @ 3.00 deg/100 ft								
11351.29	30.00	N 85.30 W	251.10	11028.46	1292.50	105.88 N	1288.16W	0.00
11451.29	27.00	N 85.30 W	100.00	11116.33	1340.21	109.78 N	1335.71W	3.00
11551.29	24.00	N 85.30 W	100.00	11206.58	1383.26	113.31 N	1378.61W	3.00