

Halliburton Drilling Systems

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Proposal Report

Wellpath ID: SIDETRACK PROPOSAL 10-1-97

Last Revision: 10/1/97

Date: 10/1/97

Time: 4:40 pm

Calculated using the Minimum Curvature Method
 Computed using WIN-CADDS REV2.2.2
 Vertical Section Plane: S 68.18 E

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

CHESAPEAKE ENERGY
 BLACKMON #1-21
 LEA COUNTY, NEW MEXICO
 SEC. 21-T16S-R36E

SIDETRACK PROPOSAL KOP @ 7500'

10-1-97

TARGET ZONE 11475' TO 11650'

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		DLS (dg/100ft)
6576.00	1.50	N 43.00 W	495.00	6575.49	-22.66	42.42 N	7.42W	0.11
7225.00	1.25	N 26.00 W	649.00	7224.31	-35.59	55.00 N	16.32W	0.07
KOP / TIE IN / INTERPOLATED POINT / START OF CURVE @ 3.00 deg/100 ft								
7500.00	1.09	N 18.92 W	275.00	7499.25	-39.52	60.17 N	18.48W	0.08
7600.00	2.36	S 83.36 E	100.00	7599.22	-38.16	60.84 N	16.74W	3.00
7700.00	5.29	S 72.60 E	100.00	7698.99	-31.57	59.22 N	10.30W	3.00
7800.00	8.27	S 69.53 E	100.00	7798.28	-19.79	55.33 N	0.84 E	3.00
7900.00	11.26	S 68.08 E	100.00	7896.82	-2.84	49.17 N	16.63 E	3.00
8000.00	14.25	S 67.24 E	100.00	7994.34	19.23	40.76 N	37.04 E	3.00
8100.00	17.25	S 66.68 E	100.00	8090.58	46.37	30.13 N	62.01 E	3.00
8200.00	20.24	S 66.28 E	100.00	8185.26	78.49	17.30 N	91.47 E	3.00
END OF CURVE								
8255.30	21.90	S 66.11 E	55.30	8236.86	98.36	9.27 N	109.66 E	3.00
TARGET TOP @11475 / START OF DROP @ 2.00 deg/100 ft								
11745.35	21.90	S 66.11 E	3490.05	11475.00	1399.40	518.00 S	1300.00 E	0.00
11845.35	19.90	S 66.11 E	100.00	11568.41	1435.05	532.45 S	1332.62 E	2.00
END OF DROP								
11931.66	18.18	S 66.11 E	86.31	11650.00	1463.19	543.85 S	1358.36 E	2.00