

Halliburton Drilling Systems

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Survey Report

Date: 10/19/1999

Time: 3:16 pm

Wellpath ID: SURVEYS

Date Created: 08/18/1999

Last Revision: 10/19/1999

Calculated using the Minimum Curvature Method

Computed using PDS VER2.2.8

Vertical Section Plane: S 16.25 E

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

CHESAPEAKE ENERGY, INC.
LEA COUNTY, NEW MEXICO
SEC. 17 - T16S - R36E
COLLEGE OF THE SW #1-17

SURVEYS

Measured Depth (ft)	Incl (deg.)	Drift Dir. (qdeg)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	DLS (dg/100ft)
SHL (981' FSL & 991' FWL, SEC. 17 - T16S - R36E)							
0.00	0.00	N 0.00 E	0.00	0.00	0.00	0.00 N 0.00 E	0.00
THE FOLLOWING ARE SCIENTIFIC (KEEPER) GYRO SURVEYS							
100.40	0.65	N 32.84 W	100.40	100.40	-0.55	0.48 N 0.31 W	0.65
199.60	0.87	N 32.81 W	99.20	199.59	-1.81	1.58 N 1.02 W	0.22
300.60	0.94	N 42.37 W	101.00	300.58	-3.29	2.84 N 2.00 W	0.16
400.30	0.93	N 44.83 W	99.70	400.26	-4.73	4.02 N 3.12 W	0.04
500.00	0.83	N 37.28 W	99.70	499.95	-6.12	5.17 N 4.13 W	0.15
601.00	0.75	N 43.02 W	101.00	600.94	-7.39	6.23 N 5.02 W	0.11
700.00	0.74	N 38.13 W	99.00	699.93	-8.56	7.21 N 5.86 W	0.06
799.80	0.71	N 32.14 W	99.80	799.73	-9.75	8.24 N 6.58 W	0.08
900.30	0.58	N 22.78 W	100.50	900.22	-10.86	9.24 N 7.11 W	0.17
999.80	0.54	N 21.30 W	99.50	999.71	-11.82	10.14 N 7.48 W	0.04
1100.90	0.38	N 24.54 E	101.10	1100.81	-12.55	10.89 N 7.51 W	0.38
1199.90	0.47	N 38.75 E	99.00	1199.81	-13.03	11.50 N 7.12 W	0.14
1299.90	0.53	N 38.88 E	100.00	1299.80	-13.53	12.18 N 6.57 W	0.06
1399.60	0.53	N 61.68 E	99.70	1399.50	-13.89	12.76 N 5.88 W	0.21
1500.30	0.64	N 60.14 E	100.70	1500.20	-14.12	13.26 N 4.98 W	0.11
1600.80	0.40	N 86.69 E	100.50	1600.69	-14.18	13.56 N 4.14 W	0.33
1699.10	0.42	S 45.33 E	98.30	1698.99	-13.79	13.33 N 3.54 W	0.34
1799.20	0.25	S 43.03 E	100.10	1799.09	-13.27	12.91 N 3.13 W	0.17
1900.60	0.33	S 4.09 W	101.40	1900.49	-12.80	12.46 N 3.00 W	0.24
2000.70	0.31	S 18.41 W	100.10	2000.58	-12.31	11.91 N 3.11 W	0.08