

Results of Directional Survey

30-025-31063

CHESAPEAKE OPERATING INC
BILLY STATE 15 # 1

	MD	N/S	E/W	VD
	11521	-283.90	150.00	11505.9
TOP PERFS/OH	11558	-286.60	152.00	11542.78
	11584	-288.50	153.40	11568.70
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BOT PERFS/OH	11594	-289.25	153.92	11578.65
	11647	-293.20	156.70	11631.40

NEXT TO LAST	11755	-301.30	162.00	11739.00
LAST READING	11800	-304.70	164.30	11783.80
TD	11800	-304.70	164.30	11783.80

Surface Location	1992	FN	817	FW
Projected BHL	2297	FN	981	FW
Location of				
Top Perfs/OH	2279	FN	969	FW
Bottom Perfs/OH	2281	FN	971	FW

SUMMARY of Subsurface Locations

Surface Location	E-15-16S-37E	1992	FN	817	FW	Vert. Depth
Top Perfs/OH	E-15-16S-37E	2279	FN	969	FW	11542.78
Bottom Perfs/OH	E-15-16S-37E	2281	FN	971	FW	11578.65
Projected TD	E-15-16S-37E	2297	FN	981	FW	11783.80