

Results of Directional Survey

30-025-35190

CHESAPEAKE OPERATING INC
SHELBY 14 # 1

	MD	N/S	E/W
	10431	557.07	914.51
TOP PERFS	10440	557.32	915.86
BOT PERFS	10456	557.51	916.90
	10526	559.71	928.71

NEXT TO LAST	11858	546.39	1107.60
LAST READING	11895	544.32	1113.07
TD	12600	502.81	1222.77

Surface Location	1229	FN	557	FW
Projected BHL	726	FN	1780	FW
Location of				
Top Perfs	672	FN	1473	FW
Bottom Perfs	671	FN	1474	FW

SUMMARY of Subsurface Locations

Surface Location	D-14-16S-36E	1229	FN	557	FW
Top Perfs	C-14-16S-36E	672	FN	1473	FW
Bottom Perfs	C-14-16S-36E	671	FN	1474	FW
Projected TD	C-14-16S-36E	726	FN	1780	FW

Perforations are within the required stand-off for a 80 acre
proration unit comprising unit letters C & D