T.H.E. DIRECTIONAL DRILLING COMPANY
DIST. CARSON
LEASE WILMINGTON
RADIUS OF CURVATURE

7/20/82

XTRA ENERGY CORP.
WELL# 28
ELEV. 50' K.B.
SURVEY BY EASTMAN
TYPE SINGLE SHOT LAMB. COORD. N4041448 NE4204640
MAG. DEC. 14 DEGREES WELL COURSE - N 16 41' W

THE DOGLEG SEVERITY IS IN DEGREES PER ONE HUNDRED FEET.
THE VERTICAL SECTION WAS COMPUTED ALONG N 16 41' W
BASED UPON RADIUS OF CURVATURE TYPE CALCULATIONS.

THE BOTTOM HOLE DISPLACEMENT IS 2458.62 FEET IN THE DIRECTION OF N 16 19' W.
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELL HEAD.
VERTICAL SECTION IS RELATIVE TO WELL HEAD.