

XTRA ENERGY CORP.

WELL# 33

ELEV. 58' K.B.

SURVEY BY EASTMAN

TYPE SINGLE SHOT LAMB. COORD. N 4 041 480 E 4 205 567

MAG. DEC. 14 DEGREES

T.H.E. DIRECTIONAL DRILLING COMPANY

DIST. CARSON

LEASE WILMINGTON

RADIUS OF CURVATURE

WELL COURSE - S 70 32' E

PAGE 3

12/10/82

THE DOGLEG SEVERITY IS IN DEGREES PER ONE HUNDRED FEET.
THE VERTICAL SECTION WAS COMPUTED ALONG S 70 32' E
BASED UPON RADIUS OF CURVATURE TYPE CALCULATIONS.

THE BOTTOM HOLE DISPLACEMENT IS 1802.52 FEET IN THE DIRECTION OF S 71 51' E.
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELL HEAD.
VERTICAL SECTION IS RELATIVE TO WELL HEAD.