

EXHIBIT 4

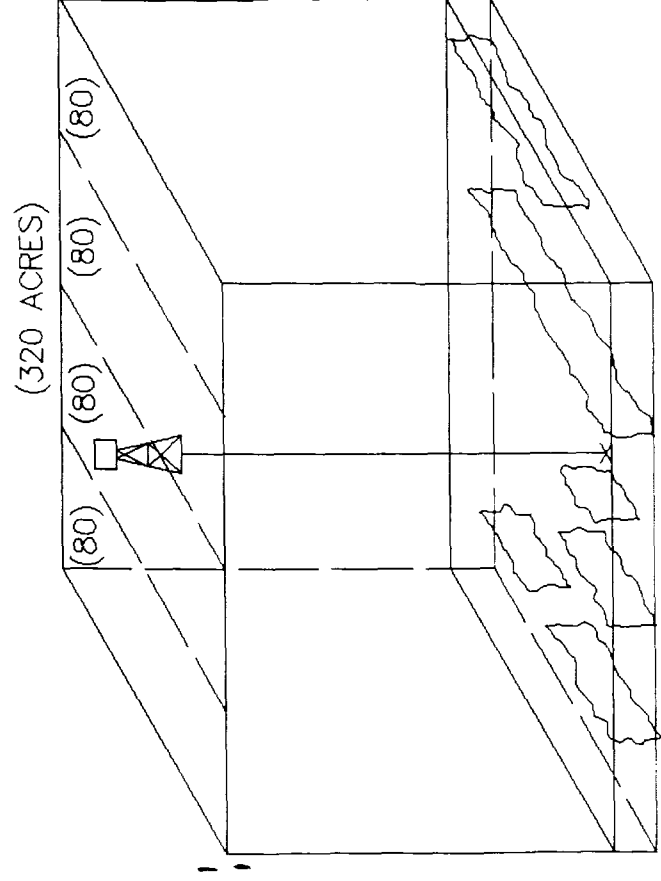
BLACK DIAMOND #18-1

HORIZONTAL NIOBRARA

NW/NE SEC 18, T30N-R15W

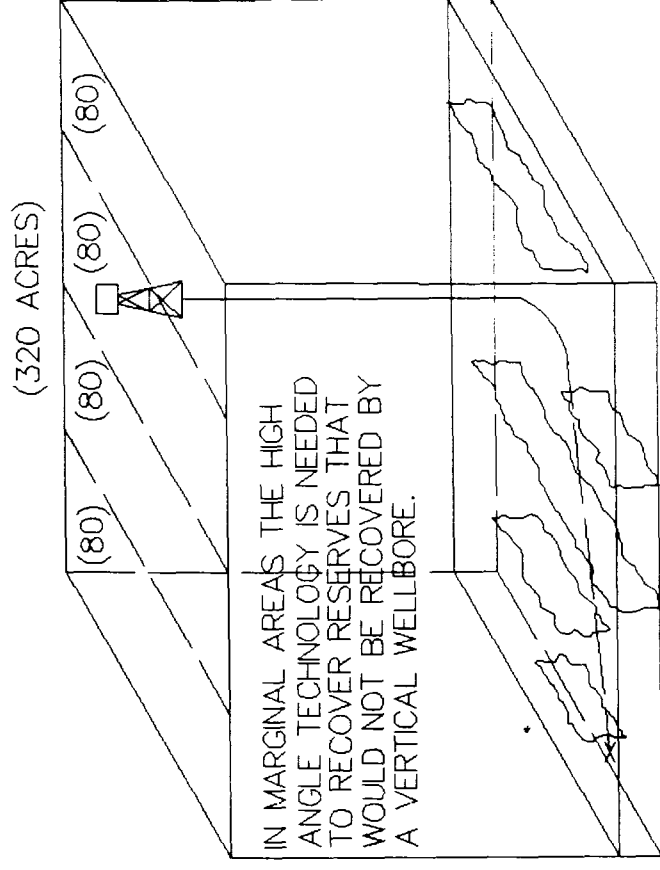
SAN JUAN CO NM

TYPICAL VERTICAL WELL



ESTIMATED COST - \$ 500,000 - 600,000

HI ANGLE WELL



ESTIMATED COST - \$ 850,000 - 1,400,000

TYPICAL VERTICAL WELL

Horseshoe Gallup Pool Allowables

Top Gas Allowable (40 acres):

$$A_g = 2000 \text{ SCF/STBO}$$

Top Oil Allowable (40 acres):

$$A_o = 80 \text{ BOPD}$$

HORIZONTAL WELL

Horseshoe Gallup Extension

1xAg = Standard Pool Allowable for Gas

$$A_g = 2000 \text{ SCF/STBO}$$

5xAo = Number of 40's Cut Times the
Pool Allowable for Oil

$$= 400 \text{ BOPD}$$