

WELL

Esmeralda #1 FIELD Esmeralda Project

CASING STRING

Intermediate COUNTY San

STATE

New Mexico

DATE

11-16-77

DESIGN NO.

111

CASING SIZE

9 5/8 HOLE SIZE 12 1/4 MOD WT. I 10 #/R. HYD GR. I 52 psi/ft. MOD WT. II 10.5 #/R. HYD. GR. III 0.544 psi/ft. M.S.P. 5000 psi.

INTERVAL

LENGTH

DESCRIPTION

WEIGHT
W/BF

TENSION
-top of section

MINIMUM
STRENGTH

TDF

COLLAPSE
PRESS. @
bottom

COLLAPSE
RESIST.

CDR

BURST
PRESSURE

INTERNAL
MINIMUM
YIELD

BDF

PRICE
PER
FT.

Bottom

Top

Wt. Grade Thread

W/BF
W/O BF

lbs

section

lbs

1000 lbs

psi

psi

psi

psi

psi

psi

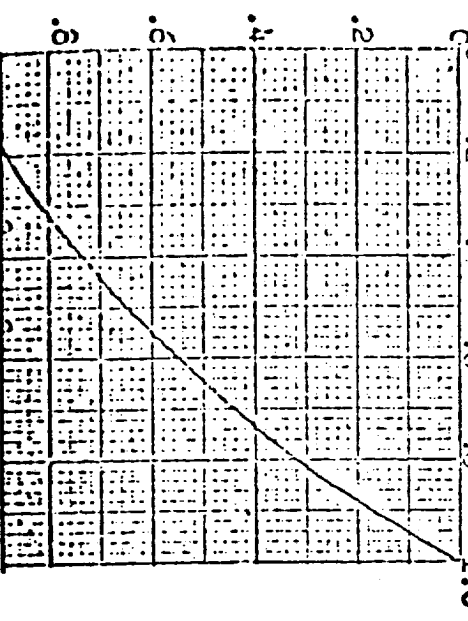
psi

psi

5300' 3000' 2300' 440' 180' 170' 9200' 9200' 237' 41' 2750' 3090' 412' 3240' 5750' 177'

3000' 0' 3000' 36" K55 STC 108000 209000 423 211 1560 1780 114 3150 3520 111

Y=Tensile Load/Pipe Yield Strength



Formulae:

Calculations:

Total Cost

Collapse resistance in tension =
X (Collapse pressure rating)

Burst Pressure =

MSP + Depth (Hyd. Gr. II -.5)

BF (Buoyancy Factor) =

1.00 - (0.0153 X Mud Wt. I)