

WELL

Laguna Est #1 FIELD Laguna Prospect

CASING STRING

Surface

COUNTY

San

STATE

California

DATE

11-23-77

DESIGN BY

AKK

CASING SIZE

20" HOLE SIZE

26"

MOD WT. I

9.5

#/ft. HYD GR. I

4.44

psi/ft. MOD WT. II

10

#/ft. HYD. GR. II

.52

psi/ft.

INTERVAL

LENGTH

DESCRIPTION

WEIGHT
W/BF

TENSION
-top of section

MINIMUM
TENSION

TDF

COLLAPSE
PRESS. @ bottom

COLLAPSE
TENSION

CDF

BURST
PRESSURE

INTER
MIN. YIELD

Bottom Top

Wt.

Grade

Thread

W/O BF
lbs

section
lbs

TENSION
1000 lbs.

psi

psi

psi

psi

psi

1310'

250'

620'

106#

K55

Butt

65720

65720

1683

41'

677

270

250'

0

250'

94

H40

Butt

20500

136220

236

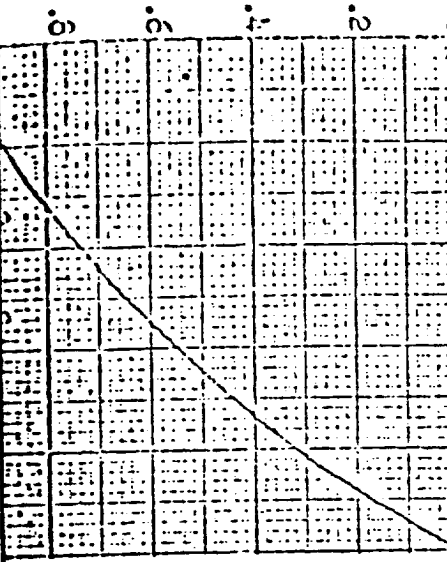
41'

320

520

Y=Tensile Load/Pipe Yield Strength

0 .2 .4 .6 .8 1.0



Formulae:

Calculations:

Collapse resistance in tension =
X (Collapse pressure rating)

Burst Pressure =

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

BF (Bouyancy Factor) =

1.00 - (0.0153 X Mud Wt. I)