

CASING AND TUBING DESIGN

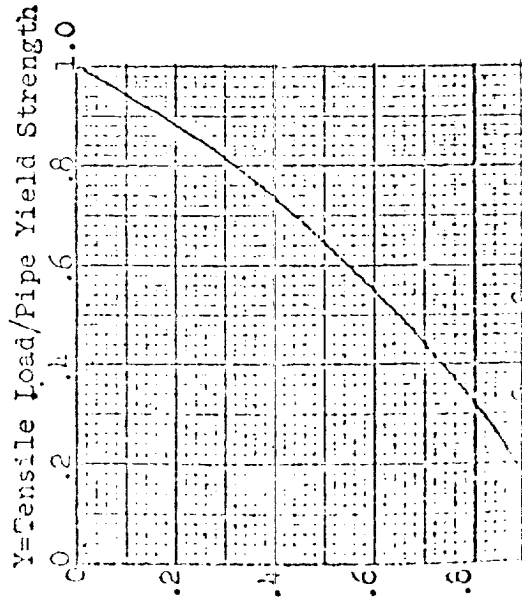
WELL W. A. FIELD Underfoot

CASING STRING 15.1 HOLE SIZE 6 MUD WT. 15.1 #/g. GR. 15.1 PSI/FT. 15.1 TDF 11.2 DATE 8-20-72 DESIGN BY Don T. Brown

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INTERVAL	LENGTH	DESCRIPTION	WEIGHT W/ BF W/O BF	TENSION -top of section	MINIMUM TENSION	TDF	COLLAPSE PRESS. @ bottom	COLLAPSE RESIST. tension	CDF	BURST PRESSURE	INTERNAL MINIMUM YIELD	BDF	PRICE PER FT.	COST
Top		Grade	Thread	lbs	1000 lbs		psi	psi		psi	psi			

15.1 2400 15.1 8-110 17.5 36210 36210 406 11.2 12315 14320 1.163 12300 14430 1.172 4.22 10



Collapse Resist. w/o Tension

Formulae:

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)

Calculations:

Total Cost \$ 10138