

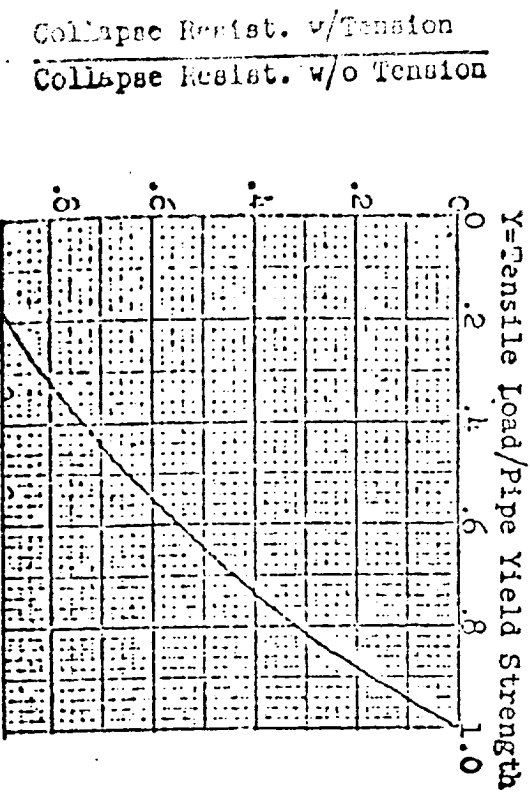
WELL Hobby Federal No. 1 FIELD Hot Mesa (Warren)

CASING STRING Production COUNTY Lea STATE New Mexico DATE 11/21/77 DESIGN BY ...

CASING SIZE 5 1/2" HOLE SIZE 8 1/2" MUD WT. I 10.1 #/G. HYD GR. I 2.50 psi/ft. MOD WT. II 14.0 #/G. HYD. GR. II 2.00 psi/ft. M.S.

INTERVAL	LENGTH	DESCRIPTION	WEIGHT		TENSION	MINIMUM STRENGTH	TDP	COLLAPSE		CDF	BURST PRESSURE	INTERNAL MINIMUM YIELD
			W/BF	W/O BF				top of section	bottom			
Bottom	Top	Wt. Grade Thread	lbs	lbs	lbs	1000 lbs	psi	psi	psi	psi	psi	psi

10400	3200	7200'	17"	N-80	LT+C	122400	190400	348	1.82	5450	5845	1.07	7200	7740	L
2200	0	3200'	17"	S-95	Bett.	54400	244800	471	1.92	1680	6821	4.06	7205	8360	L



Formulae:

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)

Calculations:

① $X = .931$
 $.931 \times 6280 = 5845$
② $X = .816$
 $.816 \times 8360 = 6821$

B.P. = 7000
= 7270
B.P. = 7000
= 7200
B.P. = 7000
= 7065