FORM CR-13
1/72

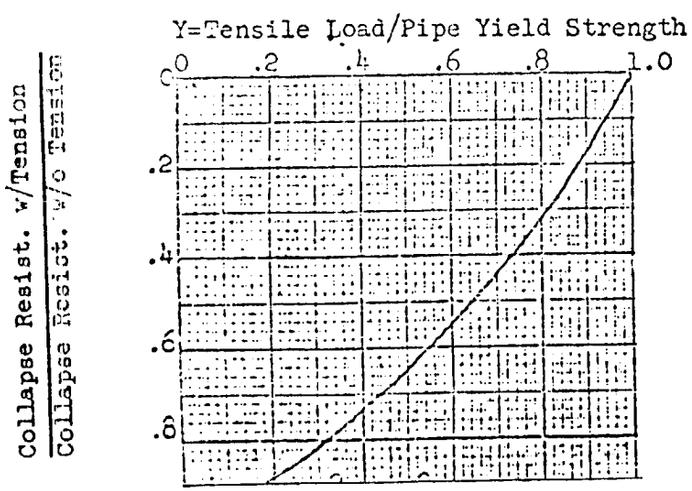
CASING AND TUBING DESIGN

WELL Pipeline Deep Unit #5 FIELD Quail Ridge Morrow

CASING STRING Production COUNTY Lea STATE New Mexico DATE 2-18-80 DESIGN BY SKH

CASING SIZE 5½" HOLE SIZE 7⅞" MUD WT. I 10.2 #/g. HYD GR. I 0.53 psi/ft. MUD WT. II 10 #/g. HYD. GR. II .52 psi/ft. M.S.P. 7500 psi.

INTERVAL Bottom	INTERVAL Top	LENGTH	DESCRIPTION Wt.	DESCRIPTION Grade	DESCRIPTION Thread	WEIGHT W/ BF___ W/O BF___ lbs	TENSION -top of section lbs	MINIMUM STRENGTH TENSION 1000 lbs	TDF	COLLAPSE PRESS. @ bottom psi	COLLAPSE RESIST. tension psi	CDF	BURST PRESSURE psi	INTERNAL MINIMUM YIELD psi	BDF	PRICE PER FT.	COST
13200'	10,400'	3300'	17#	S95	LT&C	56100	56100	392	Hi	7261	8360	1.15	7500	9190			
10,400	3200'	7200'	17#	N80	LT&C	122,400	178,500	348	1.95	5512	5652	1.02	7500	7740			
3200	0	3200'	17#	S95	Butt	54,400	232,900	471	2.02	1696	6270	Hi	7500	9190			



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 ___