FORM CR-13
1/72

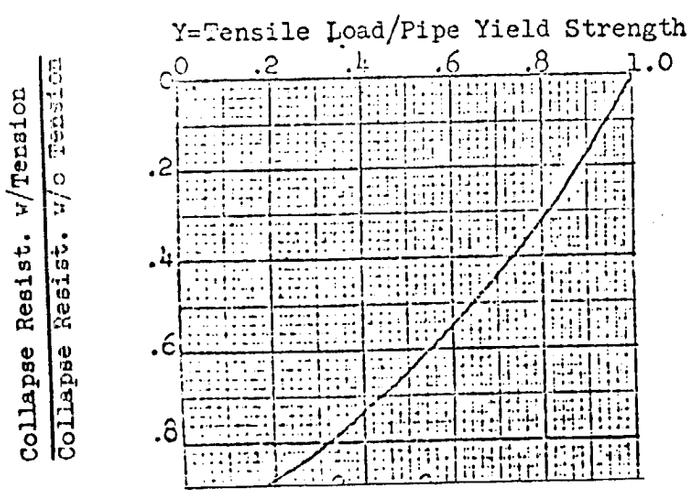
CASING AND TUBING DESIGN

WELL Pipeline Deep Unit #5 FIELD Quail Ridge Morrow

CASING STRING Surface COUNTY Lea STATE New Mexico DATE 2-18-80 DESIGN BY SLH

CASING SIZE 13 3/8" HOLE SIZE 17 1/2" MUD WT. I 9.5 #/g. HYD GR. I .494 psi/ft. MUD WT. II 10 #/g. HYD. GR. II .52 psi/ft. M.S.P. Divert 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
500	0	500'	48#	H40	STAC	24000	24000	322	HC	247	770	3.11	—	1730	—		



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 ___