FORM CR-13
1/72

CASING AND TUBING DESIGN

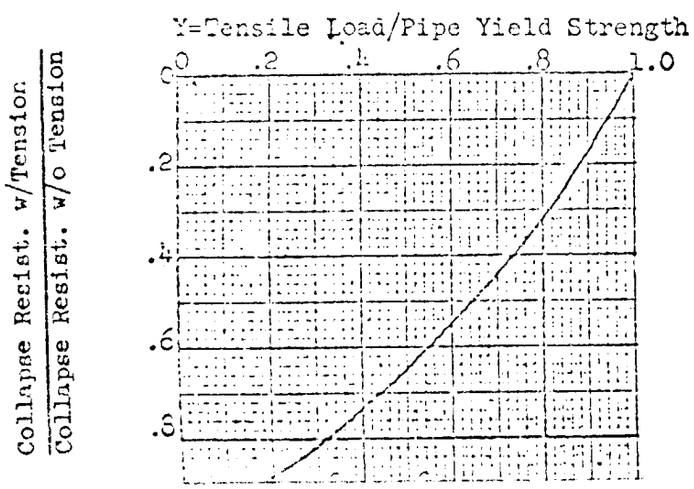
WELL [illegible] FIELD [illegible] Morrow Gas

CASING STRING 2nd Intermediate COUNTY Eddy STATE New Mexico DATE [illegible] DESIGN BY [illegible]

CASING SIZE 7" HOLE SIZE 8½" MUD WT. I 9.0 #/g. HYD GR. I 0.675 psi/ft. MUD WT. II #/g. HYD. GR. II psi/ft. M.S.P. 1200 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
8100	0	8100	26.0	S00-140	LT&C	210600	367400	855	2.33	5468	(6690) 6362	1.163	12300	12670	1.030	$ 8.01	$ 64[illegible]
13000	8100	4900	32.0	P-110	LT&C	156800	156800	897	5.72	8775	10760	1.226	12300	12460	1.013	$ 8.04	39376

Total Cost $ 104277



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:

X = 0.148
Y = 0.951