FORM CR-13
1/72

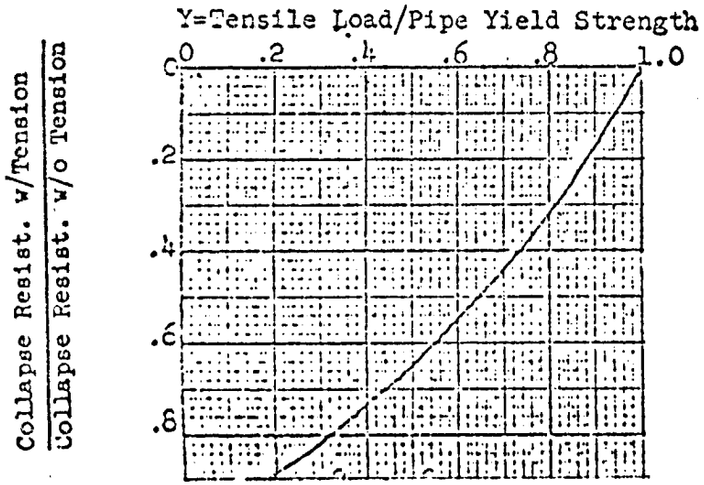
CASING AND TUBING DESIGN

WELL Laguna Deep Unit Fed No. 2 FIELD UNDESIGNATED

CASING STRING production COUNTY Lea STATE New Mexico DATE 2-28-79 DESIGN BY MAT

CASING SIZE 5½" HOLE SIZE 7⅞" MUD WT. I 10 #/g. HYD GR. I .52 psi/ft. MUD WT. II 10 #/g. HYD. GR. II .52 psi/ft. M.S.P. 6500 psi.

INTERVAL Bottom	Top	LENGTH	DESCRIPTION Wt.	Grade	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
13700	6500	7200'	17#	S-95	LT&C	122400	122400	392	Hi	7125	8360	1.17	6500	9190	1.41	9.71	66331
6500	2400	4100'	17#	N-80	LT&C	69700	192100	348	1.81	3380	3800	1.12	6500	7740	1.19	8.56	35091
2400	0	2400'	17#	S-95	BUTT	40800	232900	471	2.02	1248	5517	Hi	6500	9190	1.41	9.80	23520



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 124 92