

Wellway Federal No.1 Field Hot Mesa (Marshall)

WELL STRING

Intermediate COUNTY Lea

STATE New Mexico

DATE 11/21/77

DESIGN BY

WELL SIZE

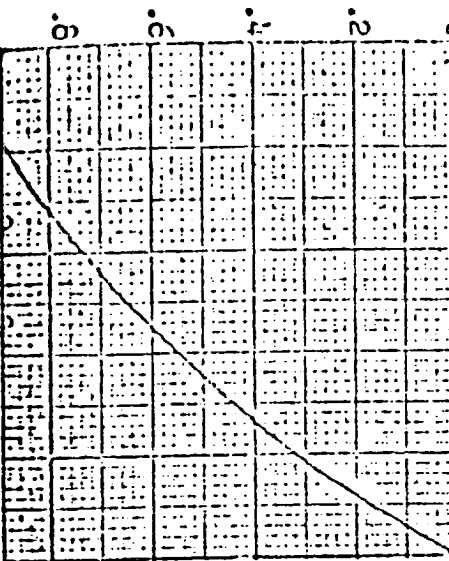
2 5/8" HOLE SIZE 12 1/4" MUD WT. 110.2 #/G. HYD GR. 12.09 psi/ft. MUD WT. 110.1 #/G. HYD. GR. 11.204 psi/ft. M.S.P. 3002

INTERVAL	LENGTH	DESCRIPTION	WEIGHT W/BF W/O BF	TENSION -top of section	MINIMUM TENSION	TDF	COLLAPSE PRESS. @ bottom	COLLAPSE RESIST. tension	CDF	BURST PRESSURE	INTERVAL MINIMUM YIELD	BDF	PRI PES P2.
Top	Wt.	Grade	Thread	lbs	lbs	1000 lbs	psi	psi	psi	psi	psi	psi	

206	4200	1000	40 #	N-80	LT+C	40000	40000	737	145h	2750	3090	112	3125	5750	1894	16
200	0	4200	10 #	K-55	LT+C	168000	208000	561	2.69	2225	2510	112	3100	3950	1227	13

Y=Tensile Load/Pipe Yield Strength

0 .2 .4 .6 .8 1.0



Formulae:

Calculations:

Total

Collapse resistance in tension =
X (Collapse pressure rating)

B.P. = 3000 + 5200 (.024)
= 3125

Burst Pressure =

B.P. = 3000 + 4200 (.024)
= 3100

MSP + Depth (Hyd. Gr. II -.5)

= 3100

BF (Buoyancy Factor) =

1.00 - (0.0153 X Mud Wt. I)