

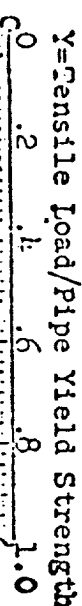
Windmill Federal #1 FIELD Wildcat

NO STRING Intermediate COUNTY Chaves STATE New Mexico DATE 11-8-77 DESIGN BY JWH

NO SIZE 8 5/8" HOLES SIZE 11" MUD WT. I 10 #/G. HYD GR. I 52 psi/ft. MUD WT. II 9.5 #/G. HYD. GR. II 44.5 psi/ft. M.S.P. 2500

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

0'	2000'	1200'	32 1/2	J55	ST+C	38400	38400	402	H/C	1680	2530	1.50	2500	3930	1.57
20	0	2000'	24 1/2	J55	ST+C	48000	86400	263	3.0	1040	1370	1.28	2500	2950	1.18



Formulae:

Calculations:

Total Co:

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)