

POWELL LAKE UNIT #58

1st TAPER CASING PARAMETERS

TOTAL DEPTH 15,350

SIZE (inches)	4.500	TOP DEPTH OF TAPER(ft)	13940
WEIGHT (lbs/ft)	15.10	BOTTOM DEPTH OF TAPER(ft)	15,350
GRADE	S-95	MAX FLUID GRADIENT (ppg)	12.5
LONG OR SHORT THREAD	LT&C	AXIAL LOAD FACTOR "X"	0.000
INT. DIAMETER (inches)	3.325	AXIAL LOAD FACTOR "Y"	1.000
DRIFT DIAMETER (inches)	3.701	ANTICIPATED PSI @ SETTING	9953.3
TENSION (lbs)	357,000		
COLLAPSE (psi)	12,330		
BURST (psi)	12,450		

NET FOOTAGE = 1410

TENSION-1.5 design factor 15.768

TENSION/(DEPTH*WEIGHT)

COLLAPSE-1.0 design factor 1.238

(COLLAPSE * Y)/(PSI/FT * DEPTH)

BURST-1.0 design factor 1.316

BURST/((1.75*BHP+2.5 #/gal)

DESIGN EXCEEDS SAFETY FACTOR REQUIREMENT

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