

GOLDEN 8 FEDERAL NO. 3
INTERMEDIATE CASING

1st TAPER CASING PARAMETERS

TOTAL DEPTH 3.050

SIZE (inches)	8.625	TOP DEPTH OF TAPER(ft)	0
WEIGHT (lbs/ft)	24.00	BOTTOM DEPTH OF TAPER(ft)	2,500
GRADE	K-55	MAX FLUID GRADIENT (ppg)	10
LONG OR SHORT THREAD	ST&C	AXIAL LOAD FACTOR "X"	0.050
INT. DIAMETER (inches)	8.097	AXIAL LOAD FACTOR "Y"	0.986
DRIFT DIAMETER (inches)	7.972	ANTICIPATED PSI @ SETTING	1297.5
TENSION (lbs)	263,000		
COLLAPSE (psi)	1,370		
BURST (psi)	2,950	NET FOOTAGE =	2500

TENSION-1.6 design factor 3.593
TENSION/(DEPTH*WEIGHT)
COLLAPSE-1.0 design factor 1.041
(COLLAPSE * Y)/(PSI/FT * DEPTH)
BURST-1.0 design factor 1.952
BURST/((.75*BHP+2.5 #/gal))

DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT
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2nd TAPER CASING PARAMETERS

SIZE (inches)	8.625	TOP DEPTH OF TAPER(ft)	2500
WEIGHT (lbs/ft)	24.00	BOTTOM DEPTH OF TAPER(ft)	3050
GRADE	S-80	MAX FLUID GRADIENT (ppg)	10
LONG OR SHORT THREAD	ST&C	AXIAL LOAD FACTOR "X"	0.000
INT. DIAMETER (inches)	8.097	AXIAL LOAD FACTOR "Y"	1.000
DRIFT DIAMETER (inches)	7.972	ANTICIPATED PSI @ SETTING	1583.0
TENSION (lbs)	326,000		
COLLAPSE (psi)	1,780		
BURST (psi)	2,950	NET FOOTAGE =	550

TENSION-1.6 design factor 24.697
TENSION/(DEPTH*WEIGHT)
COLLAPSE-1.0 design factor 1.124
(COLLAPSE * Y)/(PSI/FT * DEPTH)
BURST-1.0 design factor 1.864
BURST/((.75*BHP+2.5 #/gal))

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