

POKER LAKE UNIT # 58

1st TAPER CASING PARAMETERS

TOTAL DEPTH 14,440

SIZE (inches) 7.625
WEIGHT (lbs/ft) 39.00
GRADE S95
LONG OR SHORT THREAD FL4S
INT. DIAMETER (inches) 6.625
DRIFT DIAMETER (inches) 6.500
TENSION (lbs) 1,063,000
COLLAPSE (psi) 9,980
BURST (psi) 10,900

TOP DEPTH OF TAPER(ft) 12175
BOTTOM DEPTH OF TAPER(ft) 13,000
MAX FLUID GRADIENT (ppg) 14.5
AXIAL LOAD FACTOR "X" 0.053
AXIAL LOAD FACTOR "Y" 0.985
ANTICIPATED PSI @ SETTING 9783.2

NET FOOTAGE = 825

TENSION-1.6 design factor 12.034
TENSION/(DEPTH*WEIGHT)
COLLAPSE-1.0 design factor 1.005
(COLLAPSE * Y)/(PSI/FT * DEPTH)
BURST-1.0 design factor 1.108
BURST/((.75*BHP+2.5 * gal)

DESIGN EXCEEDS SAFETY FACTOR REQUIREMENT

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2nd TAPER CASING PARAMETERS

SIZE (inches) 7.625
WEIGHT (lbs/ft) 39.00
GRADE P110
LONG OR SHORT THREAD FL4S
INT. DIAMETER (inches) 6.625
DRIFT DIAMETER (inches) 6.500
TENSION (lbs) 1,231,000
COLLAPSE (psi) 11,060
BURST (psi) 12,620

TOP DEPTH OF TAPER(ft) 13000
BOTTOM DEPTH OF TAPER(ft) 14440
MAX FLUID GRADIENT (ppg) 14.5
AXIAL LOAD FACTOR "X" 0.000
AXIAL LOAD FACTOR "Y" 1.000
ANTICIPATED PSI @ SETTING 10866.8

NET FOOTAGE = 1440

TENSION-1.6 design factor 21.920
TENSION/(DEPTH*WEIGHT)
COLLAPSE-1.0 design factor 1.018
(COLLAPSE * Y)/(PSI/FT * DEPTH)
BURST-1.0 design factor 1.259
BURST/((.75*BHP+2.5 * gal)

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