

BRIGHT & COMPANY
DRILLING PROGRAM



CASING and TUBING DESIGN

	SIZE	INTERVAL	LENGTH	WT.	GR.	CPLG.	DESIGN FACTORS		
							COL.	TENSION	BURST
CONDUCTOR.....									
SURFACE.....	10-3/4"	0 - 420	420	32.75#	H-40	ST&C	4.26	14.90	2.00
PROTECTIVE.....	7-5/8"	0 - 5400	5400	26.4#	K-55	LT&C	1.24	2.34	1.92
		5400 - 6088	688	26.4#	N-80	LT&C	1.3	--	2.79
LINER.....	4-1/2"	5600 - 9711	4111	11.6#	K-55	LT&C			
PRODUCTION.....		2-3/4" holes per ft., 90° phasing							
		Leave 3 ft. from each end blank							
TUBING.....	2-7/8"	0 - 5600	5600	6.5#	J-55	EUE			

CEMENT PROGRAM

	FT. of FILL	CEMENT TYPE	SACKS	EXCESS %	WEIGHT	YIELD
SURFACE.....	to surface	Std. Cmt. + 3% CaCl ₂ + .25 lb/sk	418	100%	15.8	1.17
		Cello-Seal				
PROTECTIVE.....	2000'	HLC + 6% Gel + .1% HR-5	340	20%	13.6	1.56
	1000'	Premium Cmt. + .4% CFR-3	240	20%	15.8	1.17
		+ .5% Halad-24 + 3% KCl				
		Precede cmt with 24 bbls of mud flush followed by 24 bbls of Clayfix II water.				

FLOAT EQUIPMENT and CENTRALIZER PROGRAM

	TYPE and SPACING
SURFACE.....	10-3/4", ST&C Guide Shoe, 10-3/4", ST&C Insert Float Valve 1 jt up. Cent. 5' above G.S., 5' above F.C. and then every other jt to surface (7 Cent.)
PROTECTIVE.....	7-5/8", LT&C Float Shoe, 7-5/8" LT&C Float Collar, 2 jts up; 7-5/8" Slip-on type Cent. 5' above shoe, 5' above F.C., and on every jt to 5000'.
LINER.....	
PRODUCTION.....	

WELLHEAD EQUIPMENT

SIZE AND WP..... Casinghead: 11" 3000# x 10-3/4" SOW. Tubinghead: 11" 3000# x 7-1/16" 3000#