

LEASE NAME: CHALK BLUFF "35" FEDERAL # **TYPE OF CSG STRING:** PRODUCTION
LEAGLS: SEC 35-17S-27E **DEPTH OF CSG:** 10,000'

CASING MINIMUM PERFORMANCE PROPERTIES

CSG TYPE	K-FACTOR	COLLAPSE	BURST	TENSION
1 5 1/2" 20# N-80 LT&C	991,000	8830	9190	428000
2 5 1/2" 17# N-80 LT&C	844,000	6380	7740	348000
3 5 1/2" 20# N-80 LT&C	991,000	8830	9190	428000
4				
5				

GRADE OF CASING: 85 % OF NEW

CSG TYPE	COLLAPSE	BURST	TENSION
1 5 1/2" 20# N-80 LT&C	7506	7812	363800
2 5 1/2" 17# N-80 LT&C	5423	6579	295800
3 5 1/2" 20# N-80 LT&C	7506	7812	363800
4 0	0	0	0
5 0	0	0	0

SETTING DEPTH (WT. OF CSG IN AIR)		CASING	INTERVAL	INTERVAL	CUMMULATIVE
FROM	TO	WT. (LB/FT)	LGTH (FT.)	WT. (LBS)	WT. (LBS)
1 0	1,000	20	1000	20,000	175,400
2 1,000	9,200	17	8200	139,400	155,400
3 9,200	10,000	20	800	16,000	16,000
4 0			0	0	0
5 0			0	0	0

WELLBORE CONDITIONS

MUD WEIGHT: 9.6 PPG
BOUYANCY FACTOR 0.853 (AIR = 1)
DISPLACEMENT FLUID WT: 8.5 PPG

DEPTH		ANNULAR HYDROSTATIC PRESSURE	COLLAPSE W/AXIAL LOADING	HOLE HYDROSTATIC PRESSURE	TENSION
	0	0		0	149,616
1	1000	499	6046	442	132,556
2	9200	4593	5317	4066	13,648
3	10000	4992	7506	4420	0
4	0	0	ERR	0	0
5	0	0	ERR	0	0

FINIAL CASING DESIGN

SAFTEY FACTORS

				COLLAPSE	BURST	TENSION
				>1.125	>1.00	>2.00
FROM	TO	LENGTH				
0	0	0		ERR	ERR	ERR
0	0	0		ERR	ERR	ERR
5 1/2" 20# N-80 LT&C	10,000 9,200	800		1.504	1.767	26.656
5 1/2" 17# N-80 LT&C	9,200 1,000	8200		1.158	1.618	2.232
5 1/2" 20# N-80 LT&C	1,000 0	1000		12.112	17.673	2.432