

WELL NAME:	VANDAGRIFF "26" FEDERAL #1	TYPE OF CSG STRING:	PRODUCTION
LEGALS:	SEC 26-16S-28E	DEPTH OF CSG:	2,300

CASING MINIMUM PERFORMANCE PROPERTIES

CSG TYPE	K-FACTOR	COLLAPSE	BURST	TENSION
1 4 1/2" 11.6# K-55 ST&C	434,000	4960	5350	170000
2				
3				
4				
5				

GRADE OF CASING:		85 % OF NEW		
CSG TYPE		COLLAPSE	BURST	TENSION
1 4 1/2" 11.6# K-55 ST&C		4216	4548	144500
2	0	0	0	0
3	0	0	0	0
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	2,300	11.6	2300	26,680	26,680
2 2,300			-2300	0	0
3 0			0	0	0
4 0			0	0	0
5 0			0	0	0

WELLBORE CONDITIONS

MUD WEIGHT: 9.5 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	22,758
1 2300	1136	4216	1017	0
2 0	0	ERR	0	0
3 0	0	ERR	0	0
4 0	0	ERR	0	0
5 0	0	ERR	0	0

FINIAL CASING DESIGN

SAFTEY FACTORS

	FROM	TO	LENGTH	COLLAPSE >1.125	BURST >1.00	TENSION >2.00
0	0	0	0	ERR	ERR	ERR
0	0	0	0	ERR	ERR	ERR
0	0	0	0	ERR	ERR	ERR
0	0	2,300	-2300	ERR	ERR	ERR
4 1/2" 11.6# K-55 ST&C	2,300	0	2300	3.711	4.473	6.349

SCHEDULE # 1

Mewbourne Oil Company
 Vandagriff "26" Federal #1
 Lease # NM-83066
 2140' FWL & 1667' FNL
 Section 26 - T16S - R28E