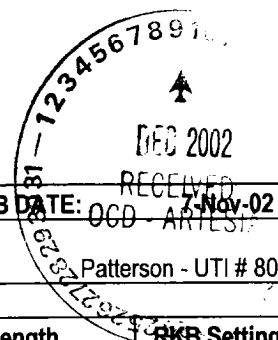


**GRUT PETROLEUM MANAGEMENT COMPANY
CASING & CEMENTING REPORT**

CASING 5.5"



WELL: Gulf Federal Com # 3			AFE 22038		JOB DATE: 7 Nov-02		
Drl 12,100	Log TD: 12082	Last Csg: 9 5/8 3193'	Hole Size: 8.75"		Rig: Patterson - UTI # 80		

Items	Item Description (from top)	Weight	Grade	Thread	Cond.	Length	RKB Setting Depth
							-21.86
23	5.5" Lone Star	17	HCN-80	LTC	NEW	954.62	932.76
138	5.5" Newport	17	N-80	LTC	NEW	6059.74	6992.5
1	Halliburton DV Tool			LTC	NEW	1.87	6994.37
68	5.5" Newport	17	N-80	LTC	NEW	2975.28	9969.65
27	5.5" Lone Star	17	HCN-80	LTC	NEW	1127.73	11097.38
1	Marker Joint	17	P-110	LTC	NEW	33.51	11130.89
22	5.5" Lone Star	17	HCN-80	LTC	NEW	924.89	12055.78
1	Float Collar			LTC	NEW	1.2	12056.98
1	Float Joint	17	HCN-80	LTC	NEW	42.22	12099.2
1	Float Shoe			LTC	NEW	0.8	12100

DELIVERED		IN HOLE	RETURNED	Total:	12,121.86
Footage	12,117.99	12,100.00		-Cut Off	39.86
Joints:	280			+RKB	18.00
Trucking Co.	Galaxy / Arrow			Set Depth	12100.00

MARKER	11097.38-11130.89				
--------	-------------------	--	--	--	--

**CEMENTING AIDS
CENTRALIZERS**

Depth	Type	Depth	Type	Depth	Type	Depth	Type	Depth	Type	Depth	Type
12,077.00	B	11,867	B	11699	B	11531	B	11363	B	11195	B
11,027.00	B	10,859.00	B	10691	B	10523	B	6975	B	7020	B

WIPERS / SCRATCHERS

Depth Range	Type	Spacing	Depth Range	Type	Spacing	Depth Range	Type	Spacing

DISPLACEMENT

VOLUME			Fluid & Slurry Additives	Density	Yield	Mix Water (gal/sx)
Sx	Bbls	CuFt				
440	146	1,069	Interfill H w/ 5# Gilsonite, 1/4 # Flocele, .1% HR-7	11.9	2.43	13.2
610	180		Super H w/ 5# Gilsonite, 1# Salt, .5Lap1, .3CFR3, .25DAir, .25Flo, .15HR7	13.2	1.6	8
			SECOND STAGE			
550	250		Interfill C w/ .25 # Flocele	11.9	2.41	13.672
100	20		Premium	15.6	1.178	5.225
	164		Fresh Water Displacement	8.33		