WEST CASS 16 STATE NO. 1

Cementing Program

I. Surface Casing: 13-3/8" pipe in 17-1/2" hole @ 1300'.

	Class "C" W/4% gel calculated/250% excess	Class "C" w/2% $CaCl_2$
Yield ft^3	1.69	1.32
Sacks	770/1925	280
Fill	460/1150	200
Weight	0-1100'	1100'-1300'
Gal/sk	13.5	14.8
Total bbls wtr	8.90	6.32
Bbls slurry	97/243	30
	137/343	50

Britt B-28 pumped 1100 sx lead and 200 sx tail.
Circulated 30 sxs which equates to 240% excess lead.

* * * Pump Schedule (250% Excess Lead) * * *

Fluid	BBLS	BPM	ΔT (min)	Cum ΔT
Fresh Water	50	10	5	5
Cement	383	8	48	53
Fresh Water	15	10	2	55
10# Brine	200	10	20	75

II. Production Casing: 7" pipe in 8-3/4" hole @ ±7800'.

First Stage (DV tool ± 4700')

	Class "H" w/0.5% fluid loss additive calculated/150% excess
Yield ft^3	1.18
Sacks	500/750
Fill	425/638
Weight	7800'-4500'
Gal/sk	15.6
Total bbls wtr	5.19
Bbls slurry	53/80
	89/134