

PROPOSED CEMENT PROGRAM

JAMES "E" WELL NOS. 11, 12, 13, & 14

13 3/8" 54.5 lb/ft K-55 Surface Casing Set at 475' - 17 1/2" Hole:

Circulate to surface with 700 sacks of Class "C" + 2% CaCl_2 .

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.3 gals/sx

8 5/8" 24 lb/ft K-55 Intermediate Casing Set at 3700' - 12 1/4" Hole:

Lead: 1000 sx Class "C" 65/35 Poz + 6% Bentonite + 15 lb/sx Salt.

Slurry Weight:	13.2 ppg
Slurry Yield:	1.92 ft ³ /sx
Water Requirement:	9.9 gals/sx

Tail: 200 sx Class "C" + 10 #/sx salt.

Slurry Weight:	15.2 ppg
Slurry Yield:	1.38 ft ³ /sx
Water Requirement:	6.3 gals/sx

5 1/2" 15.5 lb/ft K-55 Production Casing Set at 7700' - 7 7/8" Hole:

Lead: 250 sx Class "C" + 20% Diace1 "D". Desired TOC = 3000'.

Slurry Weight:	12.0 ppg
Slurry Yield:	2.69 ft ³ /sx
Water Requirement:	15.5 gals/sx

Tail: 600 sx Class "C" Neat. Desired TOC = 5000'.

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.3 gals/sx

MUD PROGRAM

JAMES E WELL NOS. 11, 12, 13, & 14

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	CL PPM	% SOLIDS	ADDITIVES
Surf - 475'	8.3-9.0 ppg	28-36 sec/1000 cc	-	-	-	Native Solids
475' - 3700'	10.0 ppg	29-32 sec/1000 cc	-	Saturated	-	Native Solids
3700' - 4500'	8.3-9.5 ppg	28-36 sec/1000 cc	-	-	-	
4500' - 7700'	8.5-9.0 ppg	32-38 sec/1000 cc	15 cc or less	-	-	Gel/Drispac Plus

Remarks: Use DBX dripped into flowline 10-15' upstream from lower end if extra settling of solids is desired while circulating the reserve.

The Mud Engineer shall include on each test report the materials used for the previous 24 hr. period. Twice weekly mail copies of the test reports to:

A. C. Sewell
4001 Penbrook
Odessa, Texas 79762

Send two copies of the Well Recap (Final Cost & Engineering Summaries) to A. C. Sewell at the above address.