

Schlumberger**Dowell****CemDABE Cement Test Report**

July 24, 1996

DATE OF TEST : 24-Jul-1996

TEST NUMBER : NPD651400001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : COOPER JAL 420

CEMENT

Class : II
Blend : 3565
Brand : LONESTAR
Plant : MEARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 10.40 gal/sk
Type : LO
Total liquid : 10.40 gal/sk

SLURRY

Density : 12.80 lb/gal
Yield : 1.18 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D020	6.000	% BWOC
D029	0.250	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 108.0 F

B.H.C.T. : 98.0 F

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 7.495 \text{ lbf}/100\text{ft}^2$ $P_o : 9.023 \text{ cP}$

Correlation coefficient : 0.989

Thickening Time : 5 hr57 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	16.0	0.0
200.0	14.0	0.0
100.0	11.0	0.0
60.0	9.0	0.0
30.0	8.0	0.0
6.0	7.0	0.0
3.0	7.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Compressive strength		
PSI	Hours	Temp. (F)
125	6.0	108.0
225	12.0	108.0
320	24.0	108.0

Comment :

FIELD BLEND

35/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25PPSD29

LOCATION WATER USED

LONG STRING LEAD 3825' POD = 3:55