

Schlumberger

Dowell

CemDABE Cement Test Report

December 2, 1996

DATE OF TEST : 02-dec-1996

TEST NUMBER : NPD68610000

CUSTOMER : TEXACO

FIELD : LEA NM

WELL : N VACUUM ABO WEST 26

CEMENT

Class : H

Blend : 3565

Brand : LONESTAR

Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal

Volume : 11.95 gal/sk

Type : LO

Total liquid : 11.95 gal/sk

SLURRY

Density : 12.40 lb/gal

Yield : 2.14 ft³/sk

B.H.S.T. : 133.0 F

B.H.C.T. : 114.0 F

ADDITIVES

Code	Concent.	Unit
D020	6.000	% BWOC
D029	0.260	% BWOC
D044	5.000	% BWOW

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

T_y : 4.015 lbf/100ft²

P_0 : 6.025 cP

Correlation coefficient : 1.000

Thickening Time : 8 hr 8 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	10.0	0.0
200.0	8.0	0.0
100.0	6.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	2.0	0.0
3.0	1.0	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)
154	6.0	133.0
288	12.0	133.0
375	24.0	133.0

Comment :

FIELD BLEND

35/65 POZ/H + 6% D20 + 5% D44 (BWOW) + 0.25PPS D29

LOCATION WATER USED

LONG STRING 8600' LEAD POD = 5:41

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CemDABE Cement Test Report

December 2, 1996

DATE OF TEST : 02-dec-1996

TEST NUMBER : NPD686100002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : N VACUUM ABO WEST 26

CEMENT
Class : H
Blend :
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 5.20 gal/sk
Type : LO
Total liquid : 5.20 gal/sk

SLURRY

Density : 15.60 lb/gal
Yield : 1.18 ft³/sk

B.H.S.T. : 133.0 F

B.H.C.T. : 114.0 F

No additives

Rheological model (Dial 1) : Bingham Plastic

T_y : 28.106 lb/100ft²

P_0 : 16.570 cP

Correlation coefficient : 0.988

Thickening Time : 4 hr51 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	45.0	0.0
200.0	38.0	0.0
100.0	34.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	20.0	0.0
3.0	17.0	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)
705	6.0	133.0
1485	12.0	133.0
1988	24.0	133.0

Comment :

FIELD BLEND

CLASS H NEAT

LOCATION WATER USED

LONG STRING TAIL 8600'