



PERMIAN REGION LAB
Cement Lab Report

Phone: (432) 530-2667 Fax: (432) 530-0279

Test Number: 529424671
Report Number:

Test Date: 7/18/2006

WELL INFORMATION

Operator: Devon Energy
API #:
Well Name: Perfecto 2 State #1
Slurry Type: Single
Blend Type: Lab
Comments:

County: Eddy
State: NM
Requested By: Scott Nelson
TVD: 405 **MD:** 405
District: Artesia

30 - 013 - 34896

TEST DATA AND SCHEDULE

Time To Temp (min): 13.00
Initial Press (psi): 250
Final Press (psi): 700
BHST (deg F): 80
BHCT (deg F): 80

Mud Density (lb/gal): 9
Mix Water Density (lb/gal): 8.34
Mix Water Type: Tap Water
Surf Temp (deg F): 80
Job Type: Surface

Comments: New Mexico State Test

SLURRY AND TEST RESULTS

Vendor: Cemex

Slurry: Class 'C' + 2.00% CaCl₂ + 0.25 lb/sk Cello Flake

Density: 14.8 lb/gal
Yield: 1.346 CuFt/sk

Mix Water: 6.345 gal/sk (56.3%)

Total Mix Liquid: 6.345 gal/sk

Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc):
Pump Time (100 Bc):

Free Water (ml): (Tested at 90 Degrees)

Compressive Strength

Temp	Time	Strength	Type
80	7:30	500	UCA
80	8	530	UCA
80	12	754	UCA
80	24	1240	UCA

Rheology (PL=Power Law, BP= Bingham Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	111	83	71	57	24	16	0.314	0.123	31.3	57.9	PL

Comments: