



HALLIBURTON

Permian Basin NWA Lab  
Odessa, Texas  
API No: 0

## Cement Test Report

R96-

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Customer:	Depth: 1600 ft	Test Date: 17-Aug-96
Well Name:	BHST: 80 degrees	Requested By:
County/State:	BHCT: 80 degrees	Stage Number: 1
District:	Job Type: Surface	Slurry: Tail
Blend: Plant Blend	Casing Size: Unknown	Water: Location Water

Slurry Information	Consistency Information
Cement: <b>Premium Plus</b>	Time Temp Press Consistency
Mixed with the following additives:	2:10 80 degs 1200 psi 70 BCU
2.00 % CaCl <sub>2</sub>	
	Compressive Strength
	Time Unit Temp Strength Method
	12 hours 80 degs 1260 psi Crush
	24 hours 80 degs 2230 psi Crush
	7.5 hours 80 degs 600 psi UCA
	12 hours 80 degs 900 psi UCA
	24 hours 80 degs 1320 psi UCA
Water Amt: 6.31 gals/sk	
Density: 14.80 ppg	
Yield: 1.32 ft <sup>3</sup> /sk	

Fluid Properties													
Temp	Fluid Loss	Free H2O	Settling	600	300	200	100	6	3	PV	YP	N'	K'
80 degs	440 cc's	0.0%	N/A		162	142	124	64	32	60	108.7	0.24	0.394

Comments
Mix water W96-347 appears suitable and was used in testing.
Signed: <u>Monte Pullig</u>

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