



**Permian Basin NWA Lab**  
**Hobbs, New Mexico**  
**API No: 0**

**Cement Test Report**

**C97- 72-12-02-02**  
**Phone: (505) 392-6531**  
**Fax: (505) 393-7062**

Customer: <b>Enron Oil &amp; Gas</b>	Depth: <b>400 ft</b>	Test Date: <b>14-May-97</b>
Well Name: <b>In House</b>	BHST: <b>80 degrees</b>	Requested By: <b>Dean Prather</b>
County/State: <b>Lea, NM</b>	BHCT: <b>80 degrees</b>	Stage Number: <b>1</b>
District: <b>Hobbs</b>	Job Type: <b>Surface</b>	Slurry: <b>Lead</b>
Blend: <b>Pilot Test</b>	Casing Size: <b>Unknown</b>	Water: <b>Lab Tap Water</b>

Slurry Information	Consistency Information																																						
Cement: <b>Premium Plus</b> Mixed with the following additives: <hr/> 2.00 % CaCl <sub>2</sub> <hr/> Water Amt: <b>6.30 gals/sk</b> Density: <b>14.8 ppg</b> Yield: <b>1.32 ft<sup>3</sup>/sk</b>	<table border="1"> <thead> <tr> <th>Time</th> <th>Temp</th> <th>Press</th> <th>Consistency</th> </tr> </thead> <tbody> <tr> <td>3:00</td> <td>80 degs</td> <td>400 psi</td> <td>70 BCU</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Time</th> <th>Unit</th> <th>Temp</th> <th>Strength</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>hours</td> <td>80 degs</td> <td>833 psi</td> <td>crush</td> </tr> <tr> <td>12</td> <td>hours</td> <td>80 degs</td> <td>1250 psi</td> <td>crush</td> </tr> <tr> <td>24</td> <td>hours</td> <td>80 degs</td> <td>2150 psi</td> <td>crush</td> </tr> <tr> <td>48</td> <td>hours</td> <td>80 degs</td> <td>2850 psi</td> <td>crush</td> </tr> <tr> <td>72</td> <td>hours</td> <td>80 degs</td> <td>3250 psi</td> <td>crush</td> </tr> </tbody> </table>	Time	Temp	Press	Consistency	3:00	80 degs	400 psi	70 BCU	Time	Unit	Temp	Strength	Method	8	hours	80 degs	833 psi	crush	12	hours	80 degs	1250 psi	crush	24	hours	80 degs	2150 psi	crush	48	hours	80 degs	2850 psi	crush	72	hours	80 degs	3250 psi	crush
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Temp	Fluid Loss	Free H2O	Settling	600	300	200	100	6	3	PV	YP	N'	K'
80 degs	1000 cc's	0.2%			90	76	64	32	20	42	51.2	0.31	0.143

**Comments**

95-159-27-03-01

Signed: \_\_\_\_\_

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