



# Cardinal Surveys Company

## Trac III® Production Log

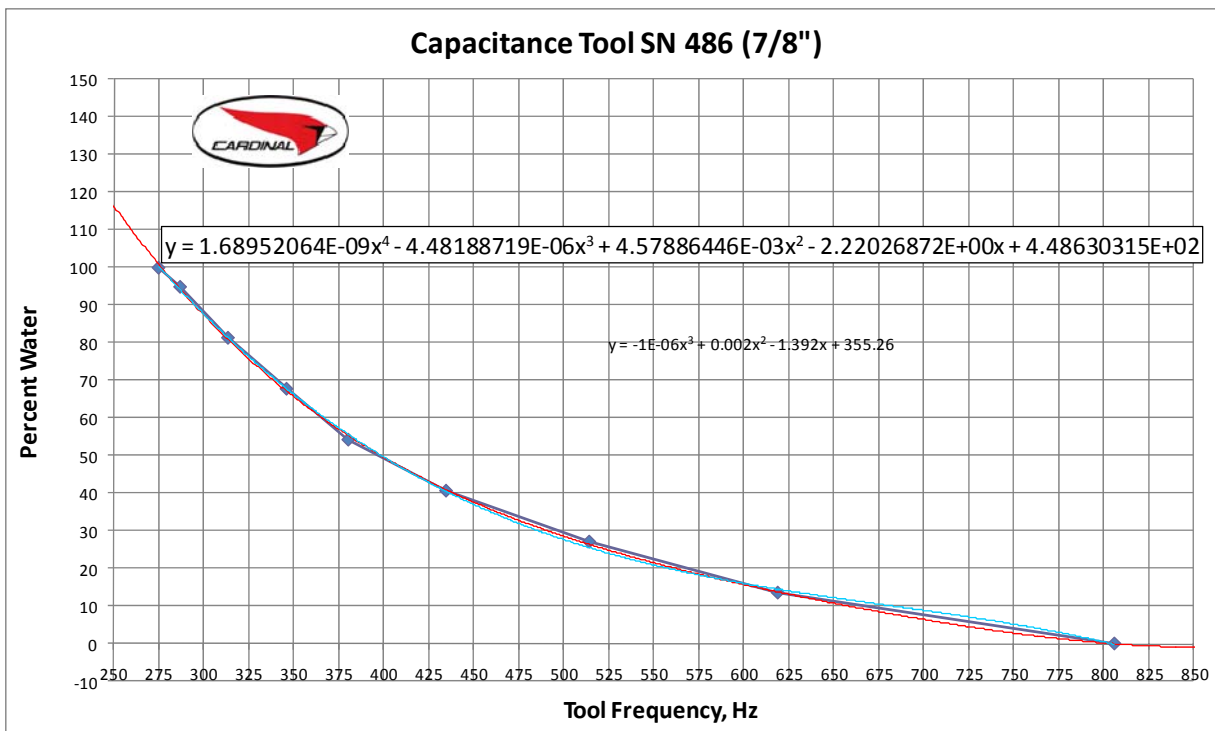
### Capacitance Tool Calibration

#### *Exact Water Cut from Calibrated Capacitance Tool*

Ever wonder what the water cut (percent water) really is? Utilizing calibrated capacitance tools, Cardinal Surveys Company answers this question. Instead of a raw data plot on your log, the calibrated tool gives exact water percentage.

Water cut percentage is calculated from raw capacitance data using calibrations expressed as a polynomial. Referring to the graph below, the span of capacitance data can be expressed as water composition. Note that each individual capacitance tool has a laboratory determined calibration curve.

So, the next time you run a production log, wouldn't you want to *know* the water and oil composition in your well?



**CARDINAL SURVEYS COMPANY**

**WWW.CARDINALSURVEYS.COM**

1704 Samson Rd.  
Odessa, Texas  
300 N Grimes  
Hobbs, New Mexico

Phone: 432-580-8061  
Fax: 432-580-0547  
E-mail: [jsmcl@swbell.net](mailto:jsmcl@swbell.net)