

|                        |                                           |                        |                                           |
|------------------------|-------------------------------------------|------------------------|-------------------------------------------|
| Company                | Charles N. Griffin                        | Company                | Charles N. Griffin                        |
| Well                   | Ash OWWO                                  | Well                   | Ash OWWO                                  |
| Field                  | Medicine Lodge-Boggs                      | Field                  | Medicine Lodge-Boggs                      |
| County                 | Barber                                    | County                 | Barber                                    |
| State                  | Kansas                                    | State                  | Kansas                                    |
| Location:              | AP # : 15 007 20388 00 01                 | Location:              | AP # : 15 007 20388 00 01                 |
| Permanent Datum        | 4485 FSL & 750' FEL                       | Permanent Datum        | 4485 FSL & 750' FEL                       |
| Log Measured From      | SEC. 33 T14P 32S RGE 12W                  | Log Measured From      | SEC. 33 T14P 32S RGE 12W                  |
| Drilling Measured From | Ground level                              | Drilling Measured From | Ground level                              |
|                        | KB 8 AGL                                  |                        | KB 8 AGL                                  |
|                        | Elevation 1615'                           |                        | Elevation 1615'                           |
|                        | K.B. 1623'                                |                        | K.B. 1623'                                |
|                        | D.F. 1622'                                |                        | D.F. 1622'                                |
|                        | G.L. 1615'                                |                        | G.L. 1615'                                |
| Depth Order            | 4900                                      | Depth Order            | 4900                                      |
|                        | Curve Definitions                         |                        | Curve Definitions                         |
| SW                     | Water Saturation                          | SW                     | Water Saturation                          |
| Rwa                    | Apparent Water Resistivity                | Rwa                    | Apparent Water Resistivity                |
| VSH                    | Volume Shale                              | VSH                    | Volume Shale                              |
| PHIE                   | Effective Porosity                        | PHIE                   | Effective Porosity                        |
| K                      | Permeability                              | K                      | Permeability                              |
| BYW                    | Bulk Volume Water                         | BYW                    | Bulk Volume Water                         |
| Pay                    | If PHIE: 6%, VSH< 20%, SW< 50%, DCAL< 10" | Pay                    | If PHIE: 6%, VSH< 20%, SW< 50%, DCAL< 10" |
| Recorded By            | L Smith                                   | Recorded By            | L Smith                                   |
| Witnessed By           | Mt Bruce Reed                             | Witnessed By           | Mt Bruce Reed                             |
| <<< Fold Here >>>      |                                           |                        |                                           |

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are subject to our general terms and conditions set out in our current Price Schedule.

| Comments                                                |
|---------------------------------------------------------|
| Thank you for using The Perforators LLC<br>785-621-4604 |

|                                                                                  |                            |
|----------------------------------------------------------------------------------|----------------------------|
|  |                            |
| Main Pass                                                                        |                            |
| Database File:                                                                   | gcolorchart.db             |
| Dataset Pathname:                                                                | pass3.1                    |
| Presentation Format:                                                             | color                      |
| Dataset Creation:                                                                | Wed Nov 17 10:09:46 2010   |
| Charted by:                                                                      | Depth in Feet scaled 1:240 |

|  |  |               |  |                 |  |                    |  |
|--|--|---------------|--|-----------------|--|--------------------|--|
|  |  | ML PERM       |  | OILREC          |  | PHIE               |  |
|  |  | Microlog Perm |  | Recoverable Oil |  | Effective Porosity |  |
|  |  |               |  | OILRIP          |  |                    |  |

