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|----------------------------|---------------------------------------|----------------------|---------|-----------|----------------------|--------|----------------------------------|---------------------------------------|--------|
| Company | Ernst Oil | Well | Witt #2 | Field | Unnamed | County | Rooks | State | Kansas |
| Location: | | SEC 4 TWP 6S RGE 20W | | | AP1 #: 15 163 23999 | | Other Services DILBCS CDNL | | |
| Permanent Datum | | Ground Level | | Elevation | | 2119' | | Elevation | |
| Log Measured From | | KB 5' AGL | | KB | | KB | | KB, 2124'; DF, 2123'; GL, 2119' | |
| Drilling Measured From | | KB | | KB | | KB | | KB | |
| Date | 1-13-12 | | | | | | | | |
| Depth Diller | 3606' | | | | | | | | |
| Curve Definitions | | | | | | | | | |
| Water Saturation | | | | | | | | | |
| Apparent Water Resistivity | | | | | | | | | |
| Shale Volume | | | | | | | | | |
| Effective Porosity | | | | | | | | | |
| Permeability | | | | | | | | | |
| Bulk Volume Water | | | | | | | | | |
| Recoverable Oil | | | | | | | | | |
| Oil Reserves in Place | | | | | | | | | |
| PHIE | | | | | | | | | |
| PHIE-5% | IF PHIE-5%, VSH-50%, SW-50%, DCAL<10" | | | | | | | | |
| Recorded By | L. Smith | | | | Mr. Clayton Erickson | | | | |
| Witnessed By | Mr. Clayton Erickson | | | | Mr. Fred Ernst | | | | |

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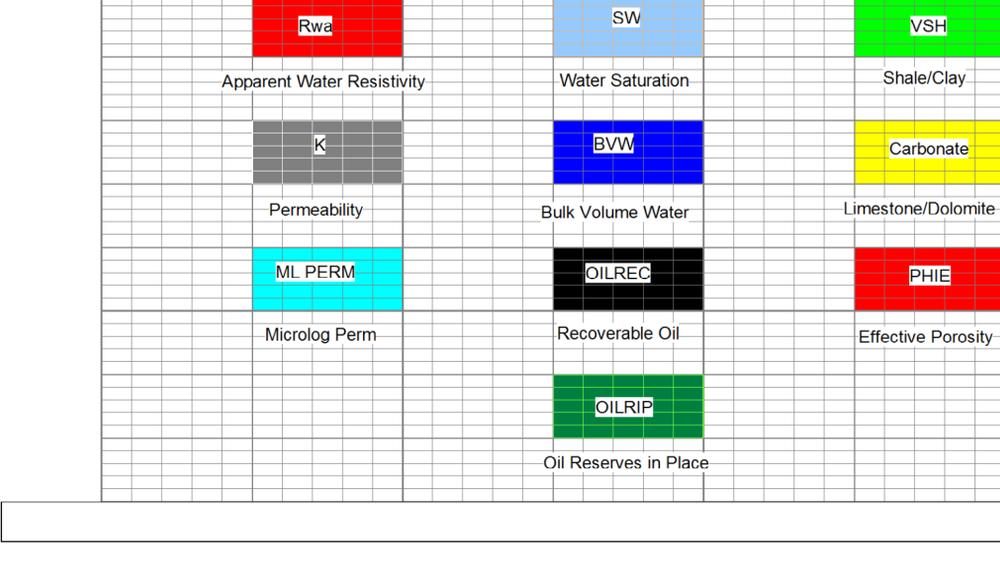
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Comments

Thank you for using The Perforators LLC
 Hays, KS (785) 621-4604

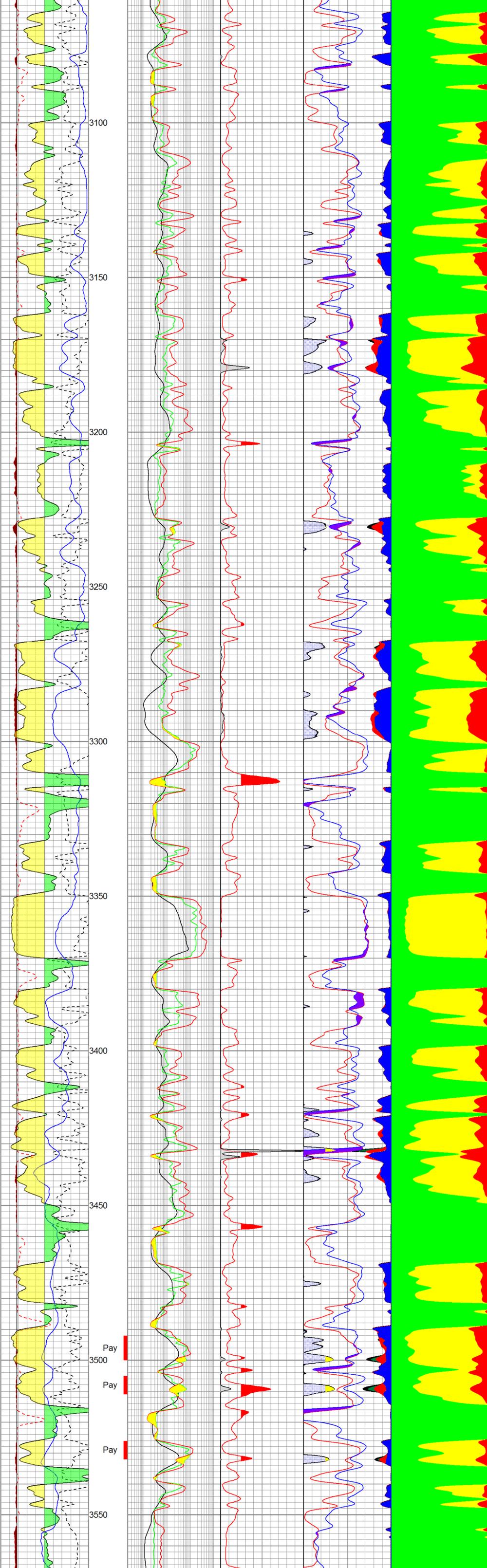
The Perforators LLC **Main Pass**

Database File: gcolorchart.db
 Dataset Pathname: pass3.1
 Presentation Format: color
 Dataset Creation: Wed Nov 17 11:09:46 2010
 Charted by: Depth in Feet scaled 1:240



Database File: eowitt#2oh.db
 Dataset Pathname: oh2
 Presentation Format: kohgi
 Dataset Creation: Mon Jan 16 07:52:25 2012
 Charted by: Depth in Feet scaled 1:240

| | | | | |
|------------------|------------------|-----------------|---------------------|---------------|
| 0 GR (GAPI) 150 | RILD | 0 Rwa (Ohm-m) 1 | 100 SW (%) -100 | 0 VSH (%) 100 |
| -100 SP (mV) 100 | (Ohm-m) 2000 | 0 K 5 | 50 PHIE (%) 0 | 50 PHIE (%) 0 |
| 6 DCAL (in) 16 | RLL3 | | 50 BVW (%) 0 | |
| 6 BOREID (in) 16 | (Ohm-m) 2000 | | 30 NPOR (pu) -10 | |
| 140 RxoRt -60 | 0 NEU (NAPI) 700 | | 30 DPOR (pu) -10 | |
| | | | 200(OILREC (bb)) 0 | |
| | | | 8000(OILRIP (bb)) 0 | |



| | | | | |
|------------------|------------------|-----------------|---------------------|---------------|
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| -100 SP (mV) 100 | (Ohm-m) 2000 | 0 K 5 | 50 PHIE (%) 0 | 50 PHIE (%) 0 |
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| | | | 200(OILREC (bb)) 0 | |
| | | | 8000(OILRIP (bb)) 0 | |