Released 12/11/2009

217-22326

[redacted]

~~CONFIDENTIAL~~

**OSAGE WIRELINE**

# HIGH RESOLUTION COMPENSATED DENSITY SIDEWALL NEUTRON LOG

RECEIVED
DEC 11 2008
Mo Oil & Gas Council

| | | | |
|---|---|---|---|
| Company | RUNNING FOXES PETROLEUM, INC. | | |
| Well | EMERSON # 12-6C-1 | | |
| Field | WILDCAT | | |
| County | VERNON | State | MISSOURI |
| Location: | API # : | | Other Services |
| | SW NW SW<br>1680' FSL & 530' FWL | | DIL |
| | SEC 6 TWP 36N RGE 33W | | |
| Permanent Datum | GL | Elevation 870 | Elevation |
| Log Measured From | GL | | K.B. — |
| Drilling Measured From | GL | | D.F. —<br>G.L. 870 |

| | | | |
|---|---|---|---|
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| Well | EMERSON # 12-6C-1 | | |
| Field | WILDCAT | | |
| County | VERNON | | |
| State | MISSOURI | | |

| | |
|---|---|
| Date | 10-02-08 |
| Run Number | ONE |
| Depth Driller | 422' |
| Depth Logger | 422' |
| Bottom Logged Interval | 420' |
| Top Log Interval | SURFACE |
| Casing Driller | 7" @ 21' |
| Casing Logger | 7" @ 21' |
| Bit Size | 6.25" |
| Type Fluid in Hole | WATER |
| Density / Viscosity | |
| pH / Fluid Loss | |
| Source of Sample | |
| Rm @ Meas. Temp | >10 @ 68 |
| Rmf @ Meas. Temp | |
| Rmc @ Meas. Temp | |
| Source of Rmf / Rmc | |
| Rm @ BHT | |
| Time Circulation Stopped | |
| Time Logger on Bottom | |
| Maximum Recorded Temperature | |
| Equipment Number | OW1 |
| Location | CLEVELAND, OK |
| Recorded By | HANNA |
| Witnessed By | MR. BRATTON |

<<< Fold Here >>>

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

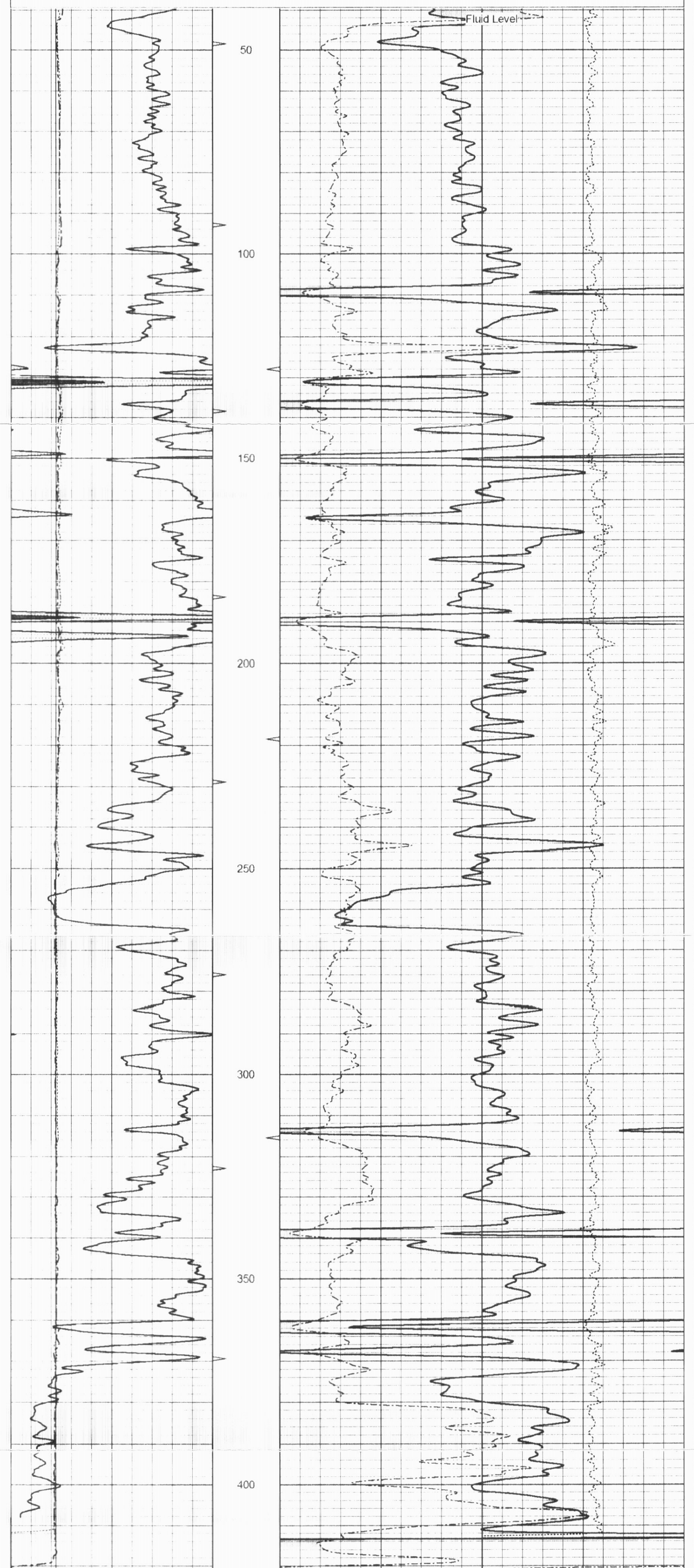
OW1-6162
MATRIX LIMESTONE 2.71 G/CC
ABHV COMPUTED WITH 4 1/2" CASING
CREW: VOSS
PERMIT # 22326

**OSAGE WIRELINE**

# 5" CDL/SWN SECTION

Database File: ow1-6162 running foxes.db
Dataset Pathname: CDL/pass1.6
Presentation Format: _neu4
Dataset Creation: Thu Oct 02 10:03:32 2008 by Calc Open-Cased 071220
Charted by: Depth in Feet scaled 1:240

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | Gamma Ray (GAPI) | 150 | TBHV | 30 | Density Porosity (pu) | | -10 |
| 4 | Bit Size (in) | 14 | ABHV | 30 | Neutron Porosity (pu) | | -10 |
| 4 | Neutron Caliper (in) | 14 | | | -0.5 | RHOC (g/cc) | 0.5 |
| 4 | Density Caliper (in) | 14 | | | | | |

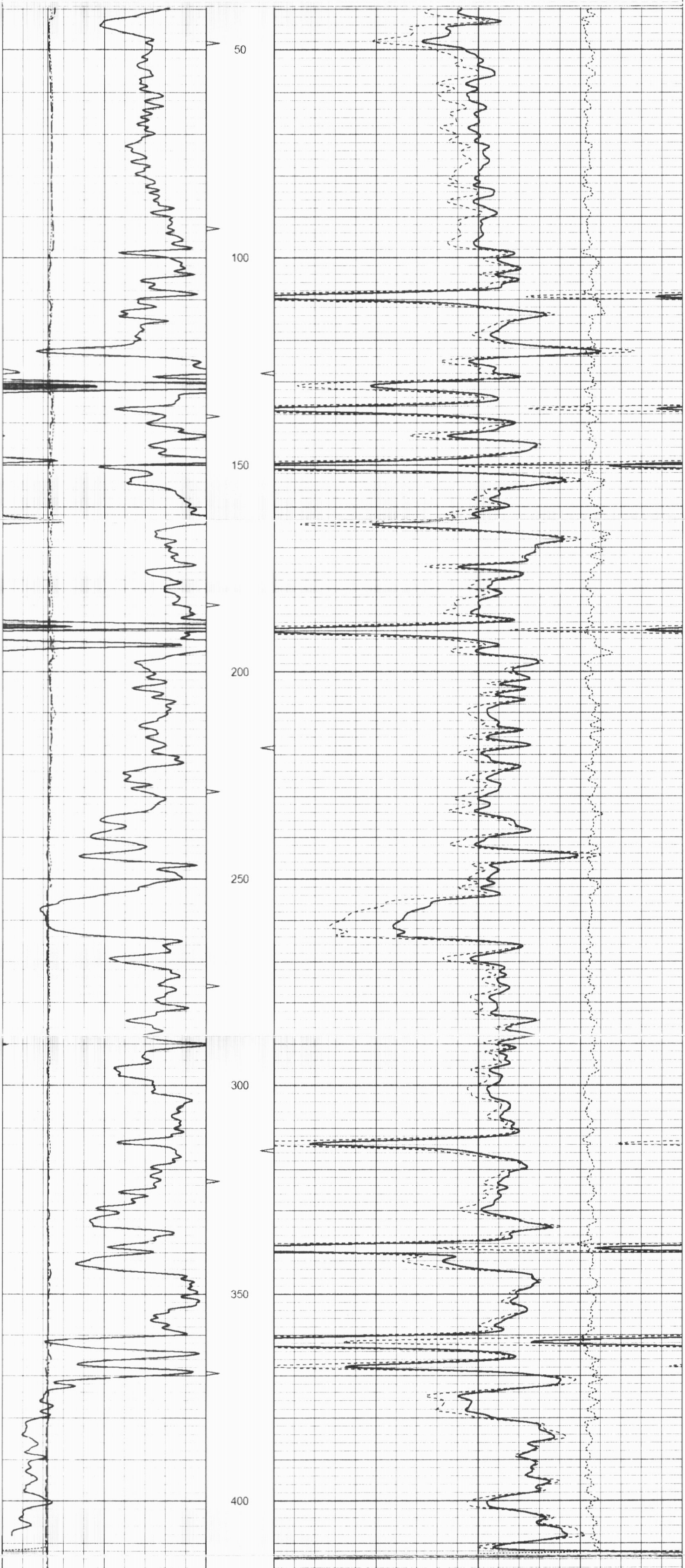


| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | Gamma Ray (GAPI) | 150 | TBHV | 30 | Density Porosity (pu) | | -10 |
| 4 | Bit Size (in) | 14 | ABHV | 30 | Neutron Porosity (pu) | | -10 |
| 4 | Neutron Caliper (in) | 14 | | | -0.5 | RHOC (g/cc) | 0.5 |
| 4 | Density Caliper (in) | 14 | | | | | |

# 5" CDL SECTION

Database File: ow1-6162 running foxes.db
Dataset Pathname: CDL/pass1.7
Presentation Format: bulk4
Dataset Creation: Thu Oct 02 10:03:47 2008 by Calc Open-Cased 071220
Charted by: Depth in Feet scaled 1:240

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | Gamma Ray (GAPI) | 150 | TBHV | 2 | Bulk Density (g/cc) | 3 | | |
| 4 | Bit Size (in) | 14 | ABHV | 30 | Density Porosity (pu) | -10 | | |
| 4 | Density Caliper (in) | 14 | | | | -0.5 | RHOC (g/cc) | 0.5 |
| 4 | Neutron Caliper (in) | 14 | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | Gamma Ray (GAPI) | 150 | TBHV | 2 | Bulk Density (g/cc) | 3 | | |
| 4 | Bit Size (in) | 14 | ABHV | 30 | Density Porosity (pu) | -10 | | |
| 4 | Density Caliper (in) | 14 | | | | -0.5 | RHOC (g/cc) | 0.5 |
| 4 | Neutron Caliper (in) | 14 | | | | | | |

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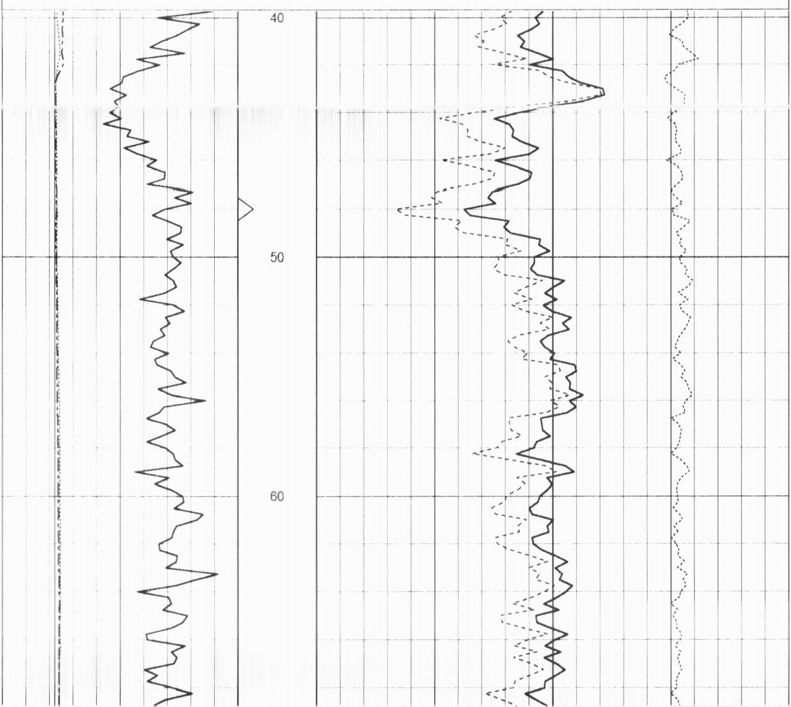
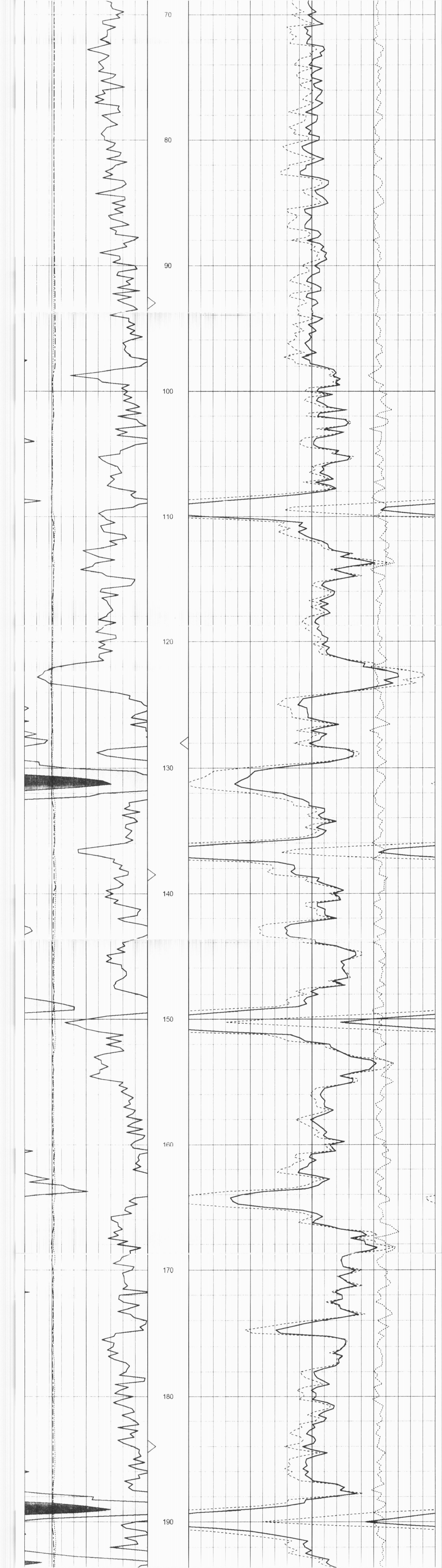
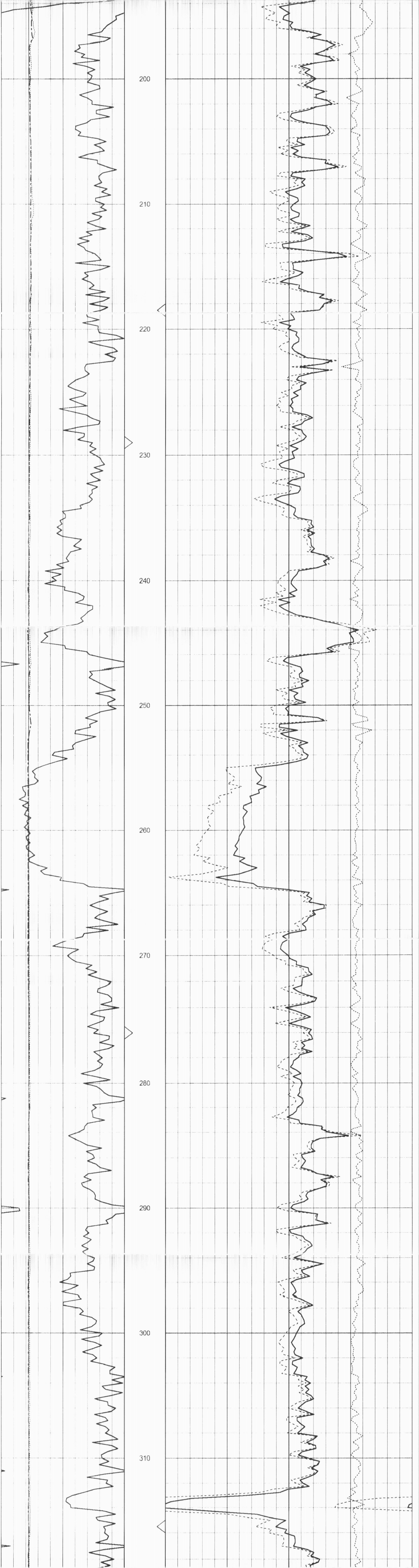
# 25" HR CDL SECTION

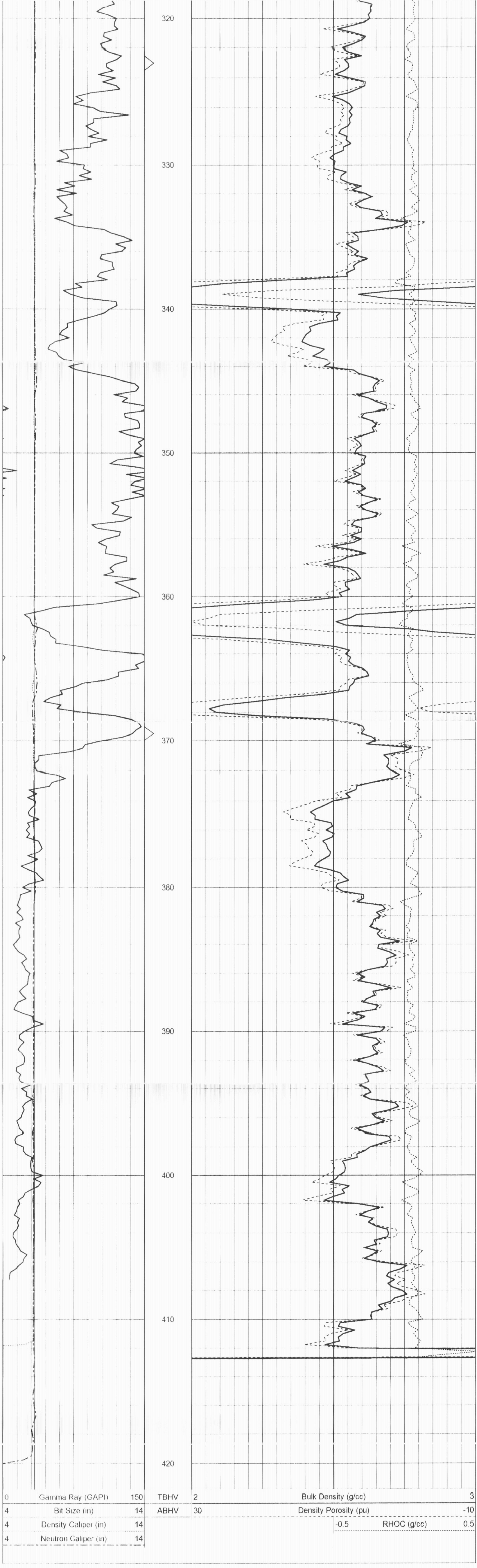
Database File: ow1-6162 running foxes.db
Dataset Pathname: CDL/pass1.8
Presentation Format: bulk4hr
Dataset Creation: Thu Oct 02 10:04:03 2008 by Calc Open-Cased 071220
Charted by: Depth in Feet scaled 1:48

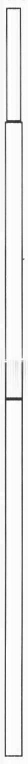
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | Gamma Ray (GAPI) | 150 | TBHV | 2 | Bulk Density (g/cc) | 3 | | |
| 4 | Bit Size (in) | 14 | ABHV | 30 | Density Porosity (pu) | -10 | | |
| 4 | Density Caliper (in) | 14 | | | | -0.5 | RHOC (g/cc) | 0.5 |
| 4 | Neutron Caliper (in) | 14 | | | | | | |









| Sensor | Offset (ft) | Schematic | Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|---|---|---|
| GR | 15.00 |  | OHGR-GOI (2122) | 2.50 | 3.50 | 40.00 |
| | | | CDL-GOI (2226) | 6.00 | 4.00 | 150.00 |
| DCAL<br>LSD<br>SSD | 9.75<br>9.42<br>9.21 | | | | | |
| | | | OHNEU-PROBEOP (SWN-3015) | 7.75 | 4.00 | 120.00 |
| SCAL<br>NEU<br>SWN | 2.04<br>1.65<br>1.65 | | | | | |

Dataset: ow1-6162 running foxes.db: field/well/CDL/pass1.8
Total Length: 16.25 ft
Total Weight: 310.00 lb
O.D. 4.00 in