

LOG-TECH



Microresistivity Log

DIGITAL LOG

(785) 625-3858

API No.

15-163-23,754-00-00

Company **McElvain Oil and Gas Properties, Inc.**

Well **Leonard Muir No. 1-31**

Field **Riffel**

County

Rooks

State

Kansas

Location

**NW - SE - SE - NW
2300' FNL & 1970' FWL**

Sec: **31**

Twp: **16S**

Rge: **17W**

Elevation

Permanent Datum **Ground Level** Elevation **1945**
Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Other Services
CNL / CDL
DIL / BHCS
K.B. 1950
D.F. 1945
G.L. 1945

Date **11 / 27 / 2008**

Run Number **Two**

Depth Driller **3470**

Depth Logger **3472**

Bottom Logged Interval **3471**

Top Log Interval **2700**

Casing Driller **8.625 @ 264**

Casing Logger **264**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **1.200**

Density / Viscosity **9.1 54**

pH / Fluid Loss **11.5 6.0**

Source of Sample **Flowline**

Rm @ Meas. Temp **2.0 @ 58**

Rmf @ Meas. Temp **1.5 @ 58**

Rmc @ Meas. Temp **2.7 @ 58**

Source of Rmf / Rmc **Charts**

Rm @ BHT **1.05 @ 111**

Operating Rig Time **5 Hours**

Max Rec. Temp. F **111**

Equipment Number **4**

Location **Hays**

Recorded By **B. Reiners**

Witnessed By **Marc Downing**

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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 Log-Tech, Inc.
(785) 625-3858

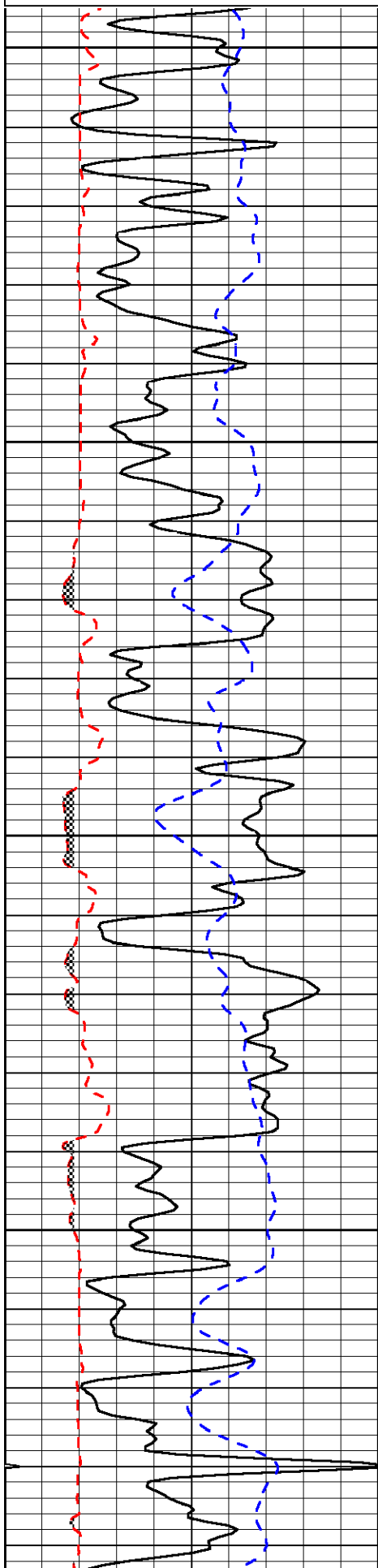
Highways 183 and 24, 2 North to H Rd, 1 East,
1 1/2 North, East into

Database File: mcelvain2hd.db
Dataset Pathname: dil/mcelstack
Presentation Format: micro
Dataset Creation: Thu Nov 27 16:49:51 2008
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

LSPD

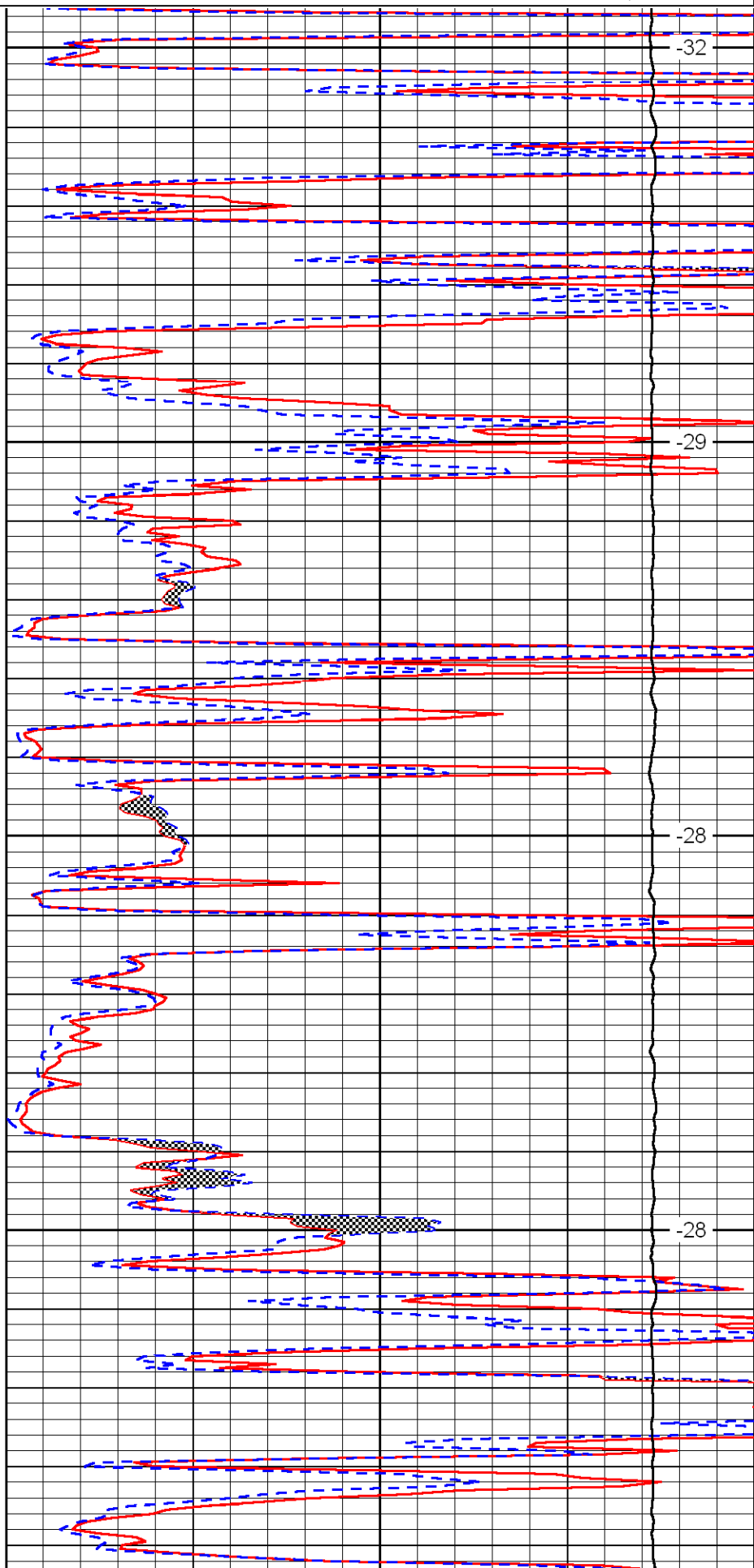


2700

2750

2800

2850

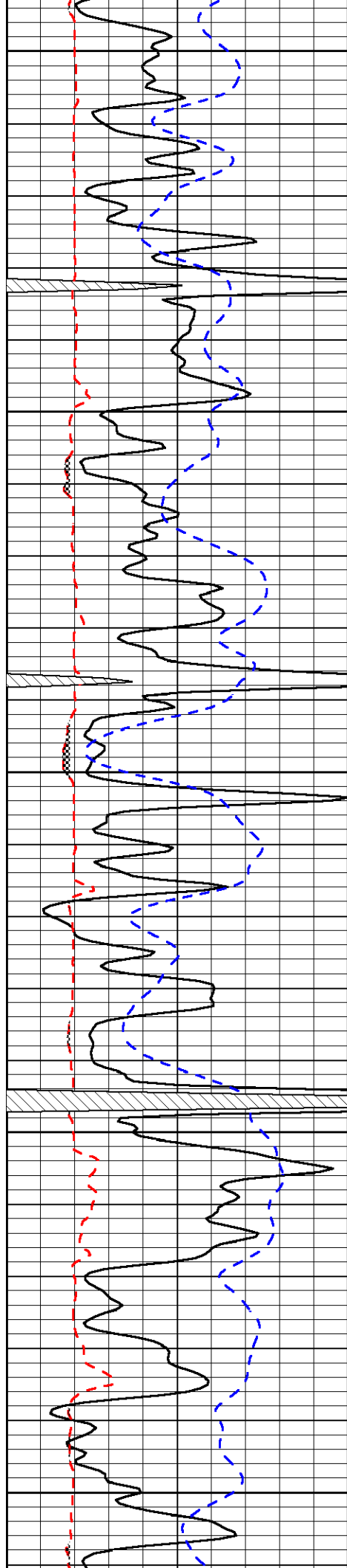


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-28



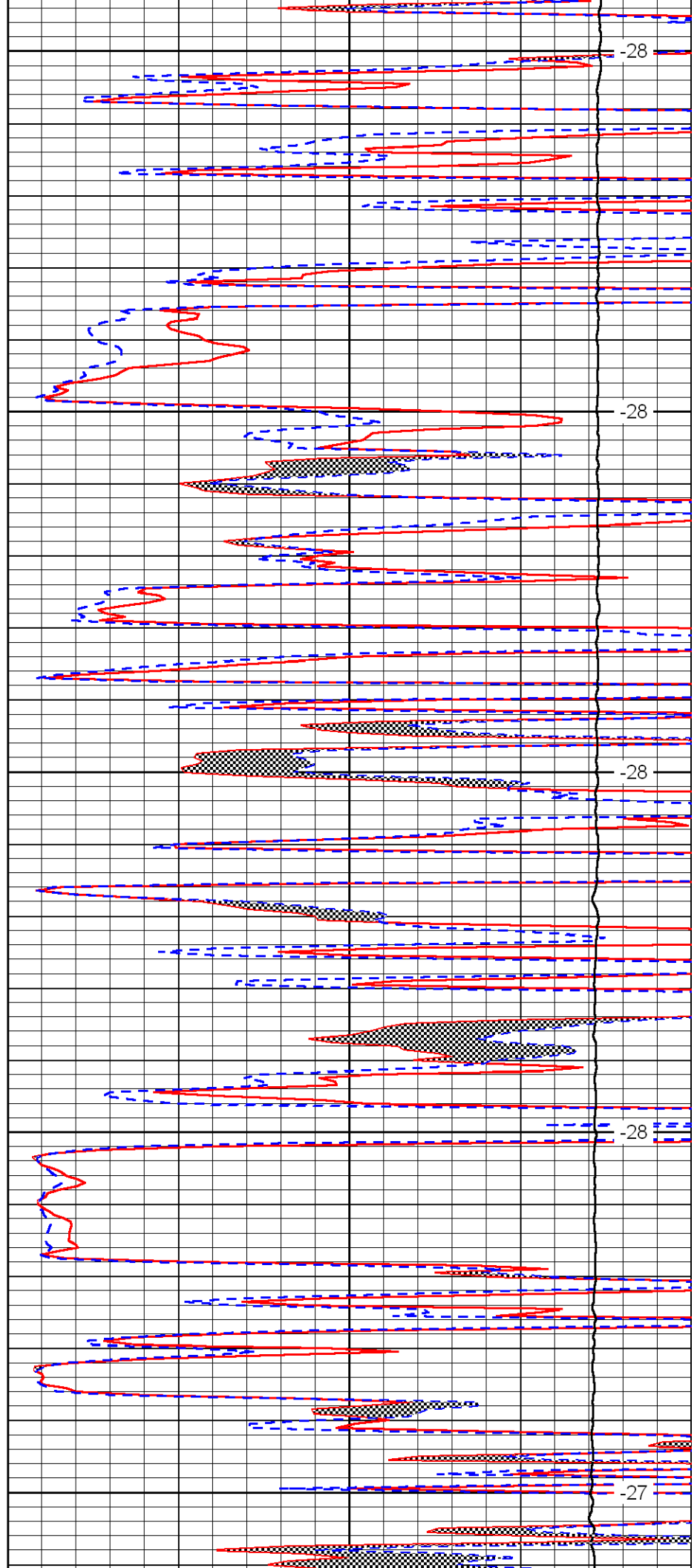
2900

2950

3000

3050

3100



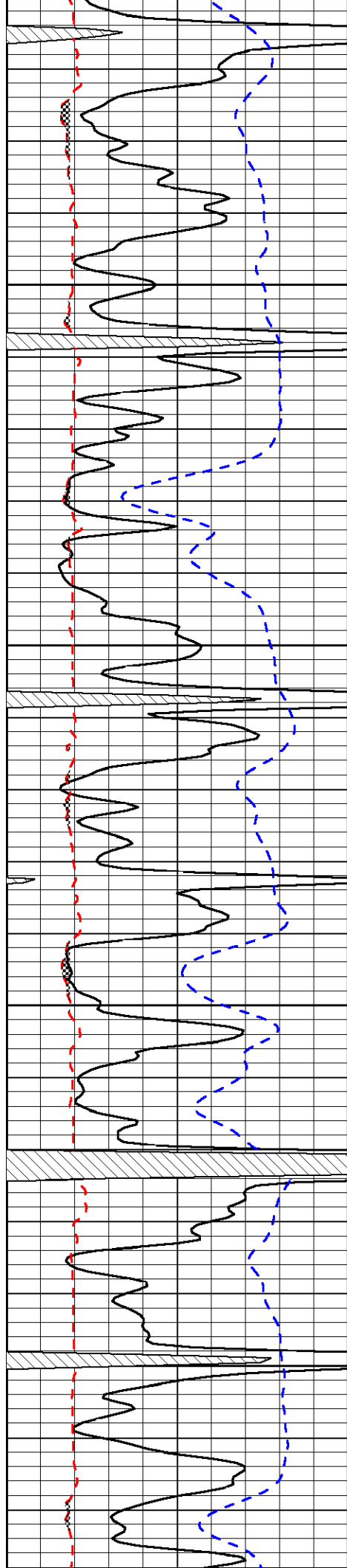
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3150

3200

3250

3300

