



PIONEER

Pioneer Energy Services

**RADIATION GUARD
LOG**

Company **BEREXCO, LLC**
Well **SYLVESTER NO.1**
Field **PETRACEK**
County **DECATUR** State **KANSAS**

Location: API #: 15-039-21256-00-00

Other Services
CNL/CDL
DIL/MEL

Company **BEREXCO, LLC**
Well **SYLVESTER NO.1**
Field **PETRACEK**
County **DECATUR**
State **KANSAS**

Permanent Datum
Log Measured From **KELLY BUSHING**
Drilling Measured From **KELLY BUSHING**

Elevation
K.B. 2682'
D.F. N/A
G.L. 2674'

Date 2/11/2019

Run Number ONE

Depth Driller 3860'

Depth Logger 3858'

Bottom Logged Interval 3857'

Top Log Interval 300'

Casing Driller 8.625" @ 316'

Casing Logger 318'

Bit Size 7.875"

Type Fluid in Hole CHEMICAL

Salinity, ppm CL 2000

Density / Viscosity 9.0 59

pH / Fluid Loss 11.0 6.0

Source of Sample FLOWLINE

Rim @ Meas. Temp .85 @ 58

Rmf @ Meas. Temp .64 @ 58

Rmc @ Meas. Temp 1.15 @ 58

Source of Rmf / Rmc CHARTS

Rim @ BHT .43 @ 115

Operating Rig Time 2 HOURS

Max Rec. Temp. F 115 DEGF

Equipment Number P-108

Location HAYS

Recorded By J. HENRICKSON

Witnessed By BRYAN BYNOG

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

JENNINGS KANSAS

2 WEST ON I LN, 3 NORTH, 1 WEST, WEST INTO

Log Measured From: KELLY BUSHING

8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES

www.pioneerenergy.com

785-625-3858

Your Pioneer Energy Services Crew

Engineer: J. HENRICKSON

Operator:

Operator:

Operator:

This Log Record Was Witnessed By

Primary Witness: BRYAN BYNOG

Secondary Witness:

Secondary Witness:

Secondary Witness:

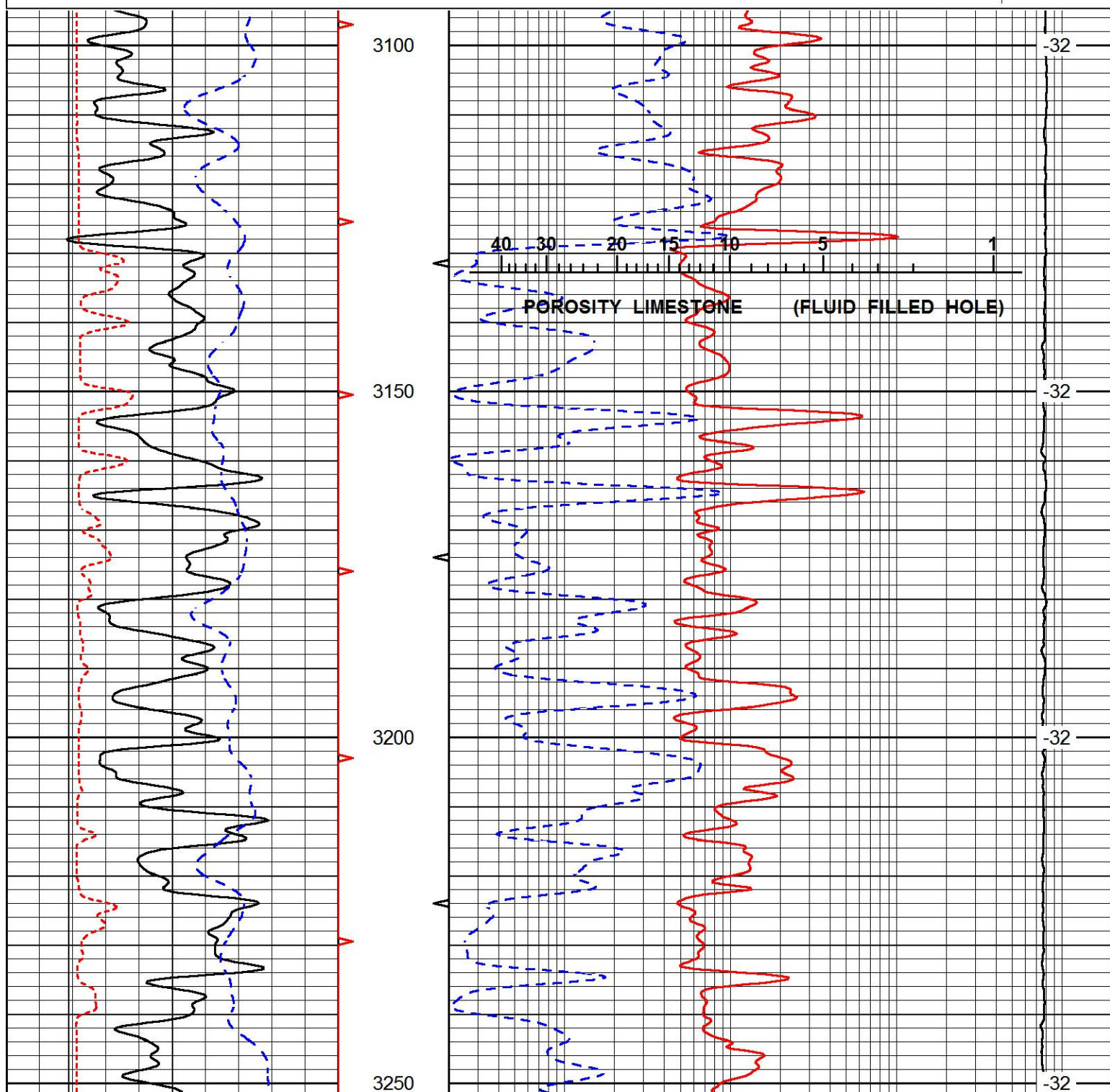
MAIN PASS

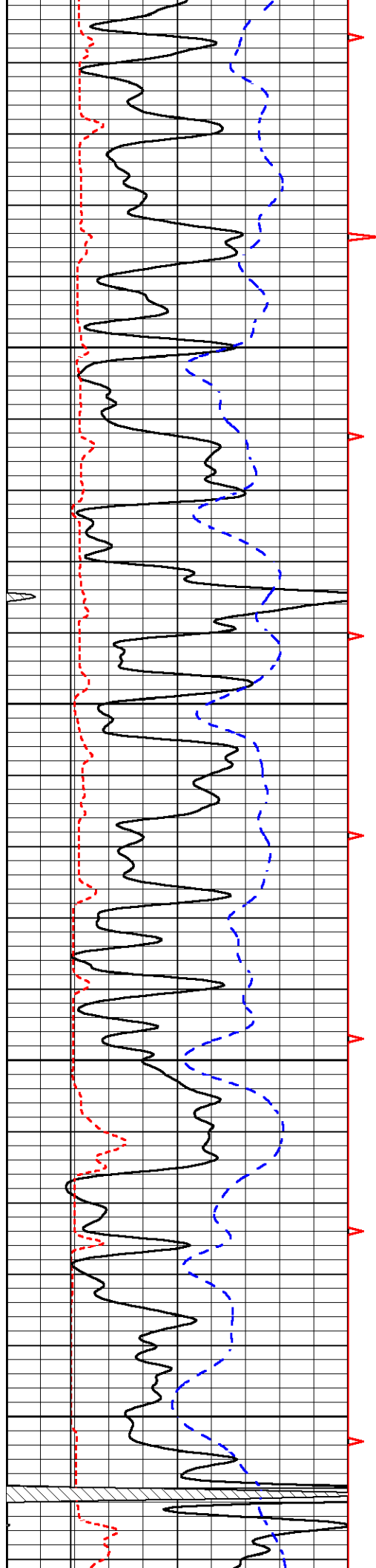
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 Dataset Pathname stackml/pass3.1
 Presentation Format ragcnl
 Dataset Creation Mon Feb 11 13:56:06 2019
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
6	Bit Size	16
-200	SP (mV)	0

0.2	Shallow Guard (Ohm-m)	2000
13000	Compensated Neutron Porosity (cps)	33000
15000	Line Tension (lb)	0

Line Speed
(ft/min)



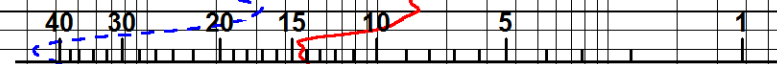


3300

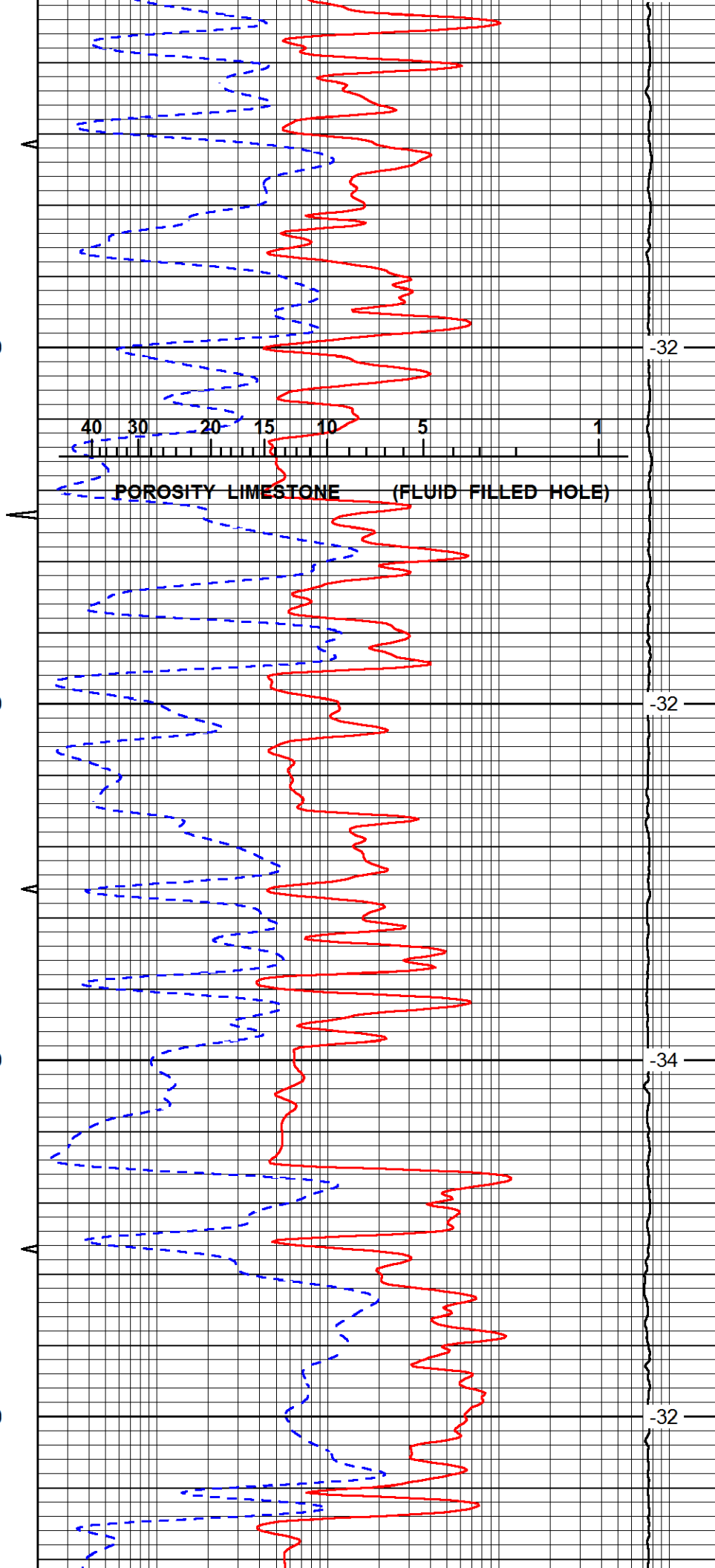
3350

3400

3450



POROSITY LIMESTONE (FLUID FILLED HOLE)

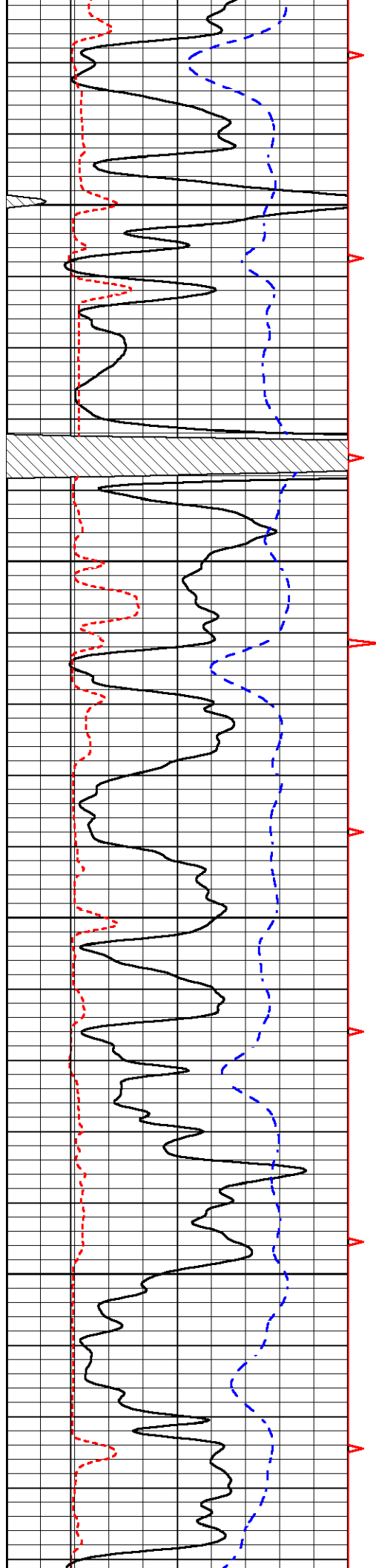


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32

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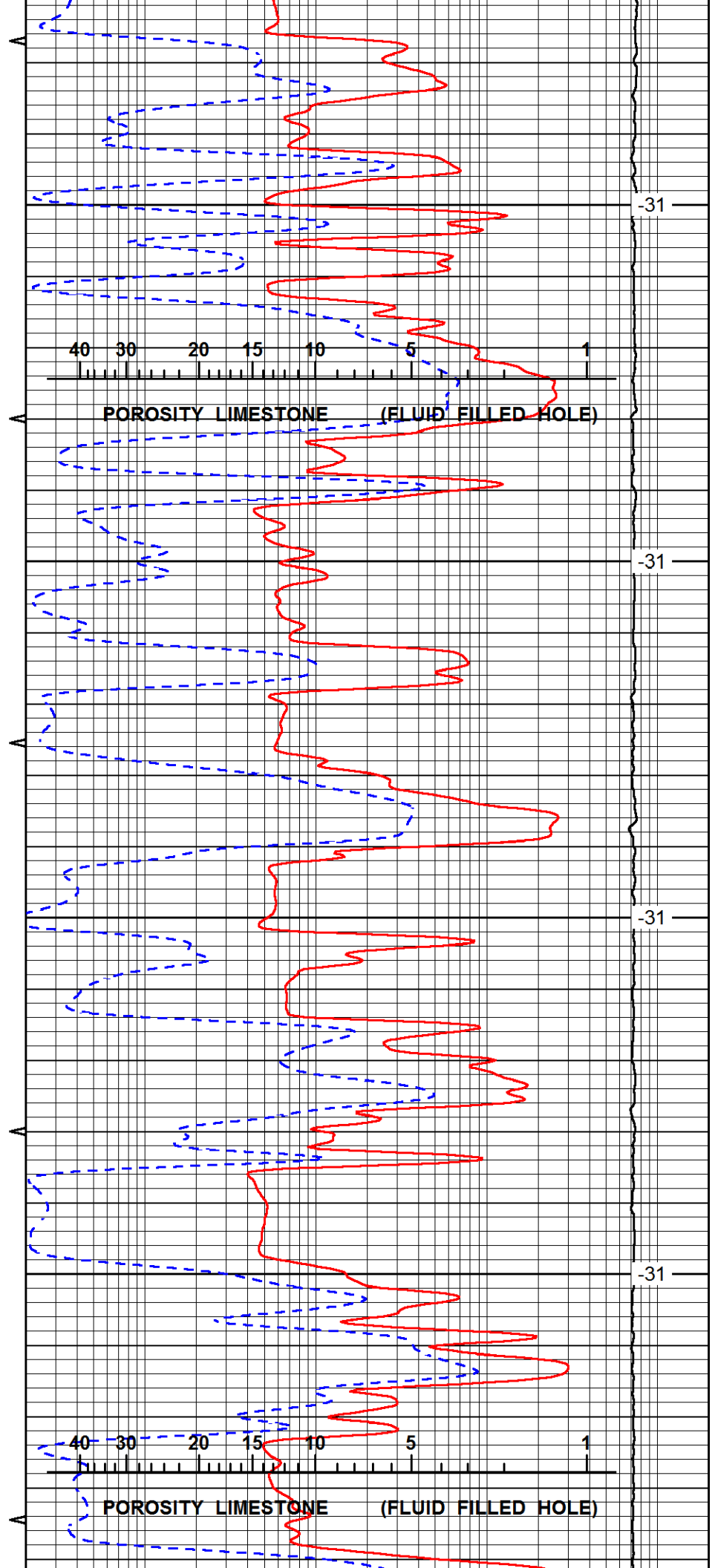


3500

3550

3600

3650



31

31

31

31

40 30 20 15 10 5 1

POROSITY LIMESTONE (FLUID FILLED HOLE)

40 30 20 15 10 5 1

POROSITY LIMESTONE (FLUID FILLED HOLE)

