SCHLUMBERGER WELL SURVEYING CORPORATION

NEW YORKER

COMPANY Shell Oil Company

WELL 12-9-3-3

FIELD Vernon Lake

COUNTY Vernon STATE Mo.

LOCATION 275' FNL & 300' FEL

Sec. 9 Twp. 33 N Rge. 3 W

Permanent Datum: Ground Elev. 807

Log Measured from: Ground Elev. 807

Drilling Measured from: Kelly Bushing Elev. K.B. 01 807

Date: September 14, 1962

Run Number: 2

Depth—Driller: 2603

Depth—Logger: 2602

Bottom Log Interval: 2600

Top Log Interval: 2300

Casing—Driller: 8 5/8 @ 0

Casing—Logger: 8 5/8 @ 0

Bit Size: 7 7/8

Type Fluid in Hole: Inhibited

Dens.: — Visc.: 45

pH: 10.0 Fluid Loss: 8.4 ml

Source of Sample: Flowline

Rm @ Meas. Temp.: .61 @ 75°F

Rmf @ Meas. Temp.: .55 @ 75°F

Rmc @ Meas. Temp.: .71 @ 75°F

Source: Rmf / Rmc: Flowline / —

Rm @ BHT: .41 @ 100°F

Rmf @ BHT: .37 @ 100°F

Rmc @ BHT: .53 @ 100°F

Top Log Interval: 2300

Bottom Log Interval: 2600

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Time Since Circ.: 10 min.

Max. Rec. Temp.: 100°F

Equip. Location: Kansas City

Recorded by: Smith

Witnessed by: Mr. Gaddis

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Witnessed by: Mr. Gaddis

TWO READINGS AND LOG CONFORMS TO API RP 31

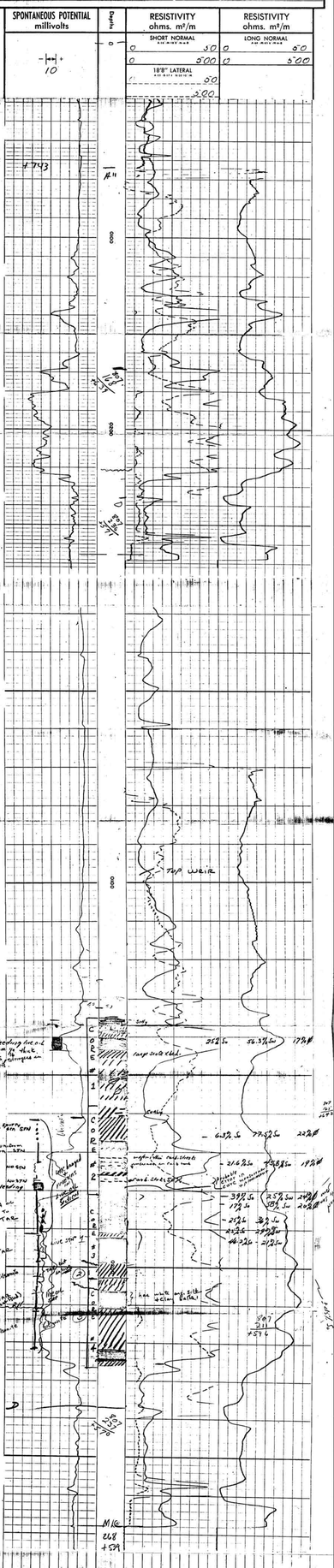
REMARKS

Changes in Mud Type or Additional Samples

Scale Changes

Date	Sample No.	Depth—Driller	Type Fluid in Hole

Type Log	Depth	Scale Up Hole	Scale Down Hole

Equipment Data

Run No.	Tool Type	Pad Type	Tool Pos.	Other
One	Dual Spon sonde			8" at surface