SEARS No. 1 WELL
DUAL INDUCTION-LATEROLOG

SPONTANEOUS POTENTIAL (MILLIVOLTS)

RESISTIVITY (OHM-METERS)
LATEROLOG 8
MEDIUM-INDUCTION LOG
DEEP-INDUCTION LOG

GROCE No. 1 WELL
DUAL INDUCTION-LATEROLOG

SPONTANEOUS POTENTIAL (MILLIVOLTS)

RESISTIVITY (OHM-METERS)
LATEROLOG 8
MEDIUM-INDUCTION LOG
DEEP-INDUCTION LOG

SEARS No. 1 WELL
TEMPERATURE LOG

TEMPERATURE
DEGREES CELSIUS
DEGREES FAHRENHEIT

SEARS No. 1 WELL
SONIC LOG

CALIPER (DIAMETER IN INCHES)

INTERVAL TRAVELTIME (Δt) (MICROSECONDS PER FOOT)
INTEGRATED TRAVELTIME
Δt

SEARS No. 1 WELL
NEUTRON-POROSITY LOG

GAMMA RAY (API UNITS)
GAMMA
CALIPER
CALIPER (INCHES)

NEUTRON POROSITY (PERCENT)

SEARS No. 1 WELL
MICROLOG

RESISTIVITY (OHM-METERS)

SEARS No. 1 WELL
DENSITY-POROSITY LOG

POROSITY (PERCENT)
GRAIN DENSITY = 2.68 GRAMS PER CUBIC CENTIMETER
FLUID DENSITY = 1.00 GRAM PER CUBIC CENTIMETER
CORRECTION (GRAMS PER CUBIC CENTIMETER)

GAMMA RAY (API UNITS)

BULK DENSITY (GRAMS PER CUBIC CENTIMETER)

SEARS No. 1 WELL
GEOLOGIC SAMPLE LOG

DRILLING TIME (MINUTES PER FOOT)
LITHOLOGY

DEPTH, IN FEET
DEPTH, IN METERS

CORRELATION LINE

Well drilled near Sanford, North Carolina
by Chevron Oil Company

APPROXIMATE VERTICAL SCALE
0 100 200 300 400 500 FEET
0 20 40 60 80 100 METERS

EXPLANATION

SAMPLE LOG
- NO SAMPLE
- FINE-GRAINED ARKOSIC SANDSTONE
- MEDIUM-GRAINED ARKOSIC SANDSTONE
- COARSE-GRAINED ARKOSIC SANDSTONE
- SILTSTONE
- SHALE
- GRAYWACKE
- LIMESTONE NODULES
- B — DEPTH AT WHICH NEW BIT ADDED
- DRILLING TIME, MINUTES PER FOOT
- 10 20 — DRILLING TIME, IN MINUTES, INCREASES TO THE RIGHT
- CORE INTERVAL

GEOPHYSICAL LOG CHART OF THE SEARS No. 1 WELL AND LATEROLOG OF THE GROCE No. 1 WELL