CARBONACEOUS SHALEY SANDSTONE

FORMATION CONTAINING A VERTICAL FRACTURE

IMPERMEABLE TO AIR

PHILLIPS PETROLEUM COMPANY

NORTH BURBANK UNIT

WELL NO. 33-W21

OSAGE COUNTY, OKLAHOMA

OILFIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
AUGUST, 1961

STANDARD MILLIMETER
KEUFFEL & ESSER CO. MADE IN U.S.A.