

McGown Drg.

WELL RECORD

WELL NAME & NO. Bower #9A LEASE Calibogue COUNTY Jefferson STATE Ks.

LOCATION C-W/2-NE/4 SEC. 5 TWP. 10S RGE. 20E

SPUD DATE 1/13/87 COMPLETION DATE

SURFACE HOLE SIZE 9 7/8" DEPTH 522'

SURFACE CASING DEPTH 495.7' SIZE 7 5/8" WEIGHT GRADE

SURFACE CEMENTING 185 SKS.

W.O.C. TIME 12 hrs B.O.P. TEST 1000 P.S.I. O.K.

UNDER SURFACE BIT SIZE 6 1/2" TOTAL DEPTH 1740'

PRODUCTION CSG. DEPTH 1722' SIZE 4 1/2" WEIGHT 10.5 GRADE

PRODUCTION CASING CEMENTING SACKS 282 TYPE 40 SKS OWC 212 SKS 60/40 POL + 30 SKS OWC

AMOUNT OF BIOCIDES IN MUD SYSTEM O.K.

W.O.C. TIME 12 hrs.

LOGS RUN (TYPE) Neutron/Density - Dual Induction -

PERF. DEPTH FROM TO SHOTS PER FOOT

FORMATION TREATMENT ACIDIZE & FRAC.

AMOUNT OF FLUID AMOUNT OF SAND

AMOUNT OF ACID

BREAK DOWN PRESS. SHUT IN PRESS.

BIOCIDES IN TREATMENT

REMARKS: McLouth Sd. 1484' - 1526' - Top Miss. 1529' - Top A.K. 1654'

Perforations from 1502' thru 1506' (8 shots)

Plugged back to 1549'

D.V. Tool - 1563'