

SOUTHERN UNION'S TEXAS HAVAJO No. 2-A
DRILL STEM TESTS & CORE RECORD

RECEIVED
NOV 6 1968
U.S. GEOLOGICAL SURVEY
FARMINGTON, N.M.

DST #1 70007240

Tool open 1 hour, weak blow immediately and lasted throughout test, recovered 50'
drilling mud
FP 90#
SIP 90# (15 min)
HH 3650#

DST #2 7230-7432

Tool open 1½ hrs. Weak blow immediately increasing to strong blow in 4 min. which lasted for 30 min. then decreased to weak blow that lasted throughout test.
Recovered 120' of slightly gas out mud
FP 90#
SIP 120# (15 min)
HH 3825#

DST #3 7430-7665

Tool open 33 min. Weak blow immediately -- died in 29 min. Recovered 20' sl GCM
FP 40#
SIP 40# (15 min)
HH 4045#

CORE #1 7665-7696 (31 ft.)

Recovered 27'; Top 6" hard black shale
2' light to dark tan dense lime - good gas odor
1' light tan finely granular, pinpoint porosity w/gas odor
3' light tan finely granular lime
4' dark tan dense hard lime
8" grey black cal. mic. shale
5½' light to dark brown hard sub lithographic lime w/carb. partings
6" grey to black cal. mic. shale
3' light to dark brown litho lime with strong sulphur odor
4½' same as above with vertical fractures
7668-7669 - fractures, spotty fluor - good oil odor

CORE #2 7696-7740

Recovered 50'; Top 1½" light tan grey dense limestone
6" light tan dense finely granular limestone
1' light tan dense finely granular ls w/sweet gas odor w/horizontal frac
3' light tan-grey, finely crystalline limestone w/calcite incl.
2' grey-black, calc. shale
1' dark tan-sub litho ls w/calcite incl. few vertical fractures
1' light grey finely granular ls w/carb. incl. sour gas odor
2' light grey finely granular ls w/carb. incl. sweet gas odor - vertical fractures
1' light grey finely granular ls w/carb. incl. ditto
1' light grey to buff ls w/horizontal fractures - no gas odor
2' light dark brown litho ls - strong sulf. odor- horizontal frac.
2' light dark brown ls. litho w/black shale partings
1' rotten grey shale w/grey ls nodules
1' light tan granular ls - strong sulf. odor- few horizontal frac.
10" light grey lithographic limestone
1½" light tan lithographic limestone - slight salt taste
2' dark brown hard litho limestone
1' light dark tan finely granular ls - few horizontal frac.
1' light dark tan medium granular ls - dense strong sulphur odor