CARBONATE ROCK ANALYSIS LOG

WELL (Ross) Hall #1

PLAINS DISTRICT 23522W36

STATE KANSAS

COUNTY HODGEMAN

SEC 36 T 23S R 26W

PARTICLE ESTIMATE

R = Rare = 1 to 5%
C = Common = 6 to 25%
A = Abundant = >25%

MINERALOGY: DOLOMITE × ANHYDRITE ^ CHERT ○ QUARTZ △ SILT PYRITE ◘ — % % % % — 96-100 / 21-95 / 6-20 / 0-5 — $D_4 D_3 D_2 D_1$

SAMPLE INTERVAL

ROCK CLASSIFICATION

QUIET TO INTERMITTENTLY AGITATED WATER DEPOSITS — CORE DST — I_1 I_2 I_3 II_1 II_2 II_3

SLIGHTLY AGITATED TO ROUGH WATER DEPOSITS — Pred. or Av. Gr. Size in MM. — .06 MM / .5-2 MM — < .006 / .06-.125 / .125-.25 / .25-.50 / .50-1.0 / 1.0-2.0 / > 2.0 / > 2.0 REEF ROCK — III_1 III_2 III_3 IV_1 IV_2 IV_3 V_1 V_2 V_3

FOSSILS

FORAMINIFERA
OSTRACODES
SPONGE SPICULES
BRACHIOPODS
PELECYPODS
GASTROPODS
ECHINODERMS
BRYOZOANS
SOLITARY CORALS
COLONIAL CORALS
STROMATOPOROIDS
ENCRUSTING ALGAE
TUBULAR ALGAE
COLONIAL ALGAE
ALGAL OOLITES
OOLITES
ROCK FRAGMENTS

PERCENT POROSITY — EST. — CALC. — CORE ANAL.

LIMESTONE. Plot 1st. nbr. of Amstrat framework to void filler ratio in center of appropriate box in rock classification column. Underline or circle pred. type when necessary.

DOLOMITE. Plot type in rock classification column according to Dolo. class: I_3 dense microxln - v. f. gr. tite, gr < 0.06 MM; II_2 - f-gr. interxln por and/or small vugs, gr and vugs .06 - .125 MM; III_2 - M gr and larger, interxln and vuggy por, gr and vugs > .125 MM. If por > 5% put in next higer classification. NP beside symbol indicates dolo is not por and class is based on gr size alone. Indicate pred. type when necessary.

REMARKS

DEPTH

3200 – 3210 — Ls. lt gry to wht., weathered
10-20 — " " " mottled ch + ls as above
20-30 — " " "
30-40 — Ls, some shale pcgs
40-50 — Ls + sh interbedded as above
50-60 — " "
60-70 — " "
70-80 — " "
80-90 — " "
90-100 — " "
3300 – 10 — " "
10-20 — " "
20-30 — " "
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40-50 — " "
50-60 — " "
60-70 — " "
70-80 — " "
80-90 — " "
90-100 — " "
3400 – 10 — " "
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90-100 — " "
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4420 – 30 — " "
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80-90 — " "
90-100 — " "
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