



NEUTRON POROSITY %
Limestone matrix

BULK DENSITY
g/cm³

SPONTANEOUS POTENTIAL
millivolts

RESISTIVITY
DEEP INDUCTION R_{LD}
ohms-m

RESISTIVITY
SPHERICALLY FOCUSED R_{FM}
ohms-m

INTERVAL TRANSIT TIME Δt
microsecond per foot

DEPTH (m)

STRATIGRAPHIC UNITS

ROCK FORMATIONS
SYSTEMS/SERIES
TIME STAGE

LITHOLOGY

DEPTH (m)

HELIUM POROSITY
PERCENT OF BULK VOLUME

PERMEABILITY
MD

MATRIX DENSITY
G/ML

POROSITY
DEPTH (m)

HYDROCARBON SATURATION

UNIT I
COASTAL SAND COMPLEX
ESTUARINE BAR AND
CHANNEL COMPLEX
SUGGESTED

UNIT II
FLUVIOMARINE OFFLAP
SEQUENCE, RELATIVELY
PROXIMAL SEQUENCE.

UNIT III
a) REWORKED TRANSRESSIVE SHELF DEPOSIT.
b) FLUVIOMARINE OFFLAP SEQUENCE, INCOMPLETE SHOREFACE.

UNIT IV
a) REWORKED TRANSRESSIVE SHELF DEPOSIT
b+c) FLUVIOMARINE OFFLAP SEQUENCE, LOWER SHOREFACE OR DISTAL DELTA FRONT
c) IMPERMEABLE ZONE.

UNIT V
a) REWORKED TRANSRESSIVE SHELF DEPOSIT
b) FLUVIOMARINE OFFLAP SEQUENCE, LOWER SHOREFACE OR DISTAL DELTA FRONT.

UNIT VI
a) REWORKED TRANSRESSIVE SHELF DEPOSIT
b) FLUVIOMARINE OFFLAP SEQUENCE, DISTAL SHOREFACE.

UNIT VII
OUTER ESTUARINE / REWORKED SHELF (HIGH ENERGY)

HUMBER GROUP
KIMMERIDGE CLAY FORMATION
CRETACEOUS
BERRIASIAN

INTERVAL 3
EARLY OXFORDIAN

INTERVAL 4
UPPER JURASSIC
LATE OXFORDIAN

INTERVAL 3
EARLY OXFORDIAN

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EARLY OXFORDIAN

ROGALAND GROUP
LISTIA FORMATION
PALEOCENE

CROMER KNOLL GROUP
KIMMERIDGE CLAY FORMATION
CRETACEOUS
BERRIASIAN

PORT-LANDIAN
KIMMERIDGIAN

INTERVAL 3
EARLY OXFORDIAN

INTERVAL 3
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INTERVAL 3
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INTERVAL 3
EARLY OXFORDIAN

GROUP
MIDDLE JURASSIC

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