

#14

Interpreted Drill Cuttings Description

200/d-090-K / 094-O-07/00

Formation:

Sample Quality: Fair to Good

Well Name: ECAOG ET AL KIWIGANA  
Status/RR: SUSP GAS / 2001  
TD Depth/Fmn: 865m / DEBOLT

FANTASQUE  
DEBOLT  
UPPER RUNDLE

Examined: JUN-2009  
JC Consulting Inc.  
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403 651-7890  
File No: 2009-024

The Fantasque consists of a quartzose, oil stained and kaolinitic siltstone that is commonly cherty with common chert dissolution indicating weathering. Porosity is estimated to be in the 5-8% range in the upper dissolution interval which overlies the lower clay-rich silt with 1-3% porosity. Permeability is visually estimated at 0.1-0.5 to possible 1-3 mD range. The non-porous and cherty porous interval appear to be alternating.

The underlying upper Mississippian carbonates consist of a very fine crystalline and coarse crystalline limestone with poor intercrystalline porosity and permeability. A cherty limestone and very finely crystalline dolomite in the middle Mississippian carbonates has 1-4% and 3-6% porosity and 0.02-0.05 to 0.2-0.3 mD permeability. The basal Mississippian carbonates consist of a generally earthy mudstone-wackestone with tr crinoidal and bioclastic fossil debris.



