

#3

200/b-014-A/094-O-01/00

Formation

Kh (mD.ft)

Top (ft)

Sample Cutting Quality: VERY GOOD

Well Name:

AQUIT ELF JULIA

Status/RR/TD:

DRLD & ABD

Examined:

MAY / 2009

BLUESKY

Interpreted Drill Cuttings Description

UPPER RUNDLE

JC CONSULTING INC

403 651-7890

File No.

2009-026

The upper Bluesky consist of 4-6 ft of silty very fine grained quartzose sandstone with com carbonaceaos material and abundant kaolinite clay and rare glauconite. Trace to common visible porosity is present which is associated with partially to totally occluding pyrobitumen, resulting in an estimated porosity of 6-8% and 0.05 to 0.3 mD permeability. Perm reduction is due to the abundance of clay.

The Upper Rundle carbonate appears to consist of a dense cherty upper interval overlaying a crinoidal wackestone-packstone with micro-fine crystallinity and common earthy texture. Bitumen is present which inhibits permeability.

Porosity is estimated to be 1-3% and up to 0.05 mD. An underlying very porous and permeable dolimitic zone is estimated to have 3-6% to as high as 10% porosity and 1-5 and as high as 5-50 mD. Pin point and larger vuggular porosity is present with trace dolomitic DRUSE lining.

The underlying LS is variable from crypto-micro crystalline to coarse crystalline with trace to common earthy-chalky texture and fair to good intercrystalline and earthy porosity - occasional pin point vuggy porosity is often with associated partial and totally occluding bitumen.

No fracturing evidence was observed within this sample interval.

DST data indicates that the porous Upper Rundle is very wet, no indications of gas or oil.



