

#49

Formation:

DEBOLT

Interpreted Drill Cuttings Description

200/b-002-H / 094-O-10/00

Sample Quality: Fair to good, finely ground, samples were off depth by 15m.

Well Name: CAOG TRAIL
Status/RR: POTENTIAL GAS / 2000
TD Depth/Fmn: 3150m / NAHANNI
Examined: SEP-2009
JC Consulting Inc.
J Clow, P Geol
403 651-7890
File No: 2009-045

The Debolt at this location is is composed entirely of limestone varying from very bioclastic to dense and very biuminous and common chalky and earthy. Generally, the interval had very poor porosity and permeability and does not appear to have any potential as a water source or for disposal.

No tests were reported.
No fracture evidence was observed.

Depth (m)	Grain	Size	Lithology	Porosity Total Poros (%)	Porosity Type Oil Shows	Perm (mD) Visually Estimated Perm	Geological Descriptions
725	Congl v. crs crs med	fine v.fine Silt/extf microxin Clav/crvptg		20 Estimated Porosity	0	0.01 Visually Estimated Perm 0.1 10 100	IT APPEARS THE SAMPLES ARE 15m HIGH TO THE LOG AND ARE ADJUSTED ACCORDINGLY.
730							
735							
740							
745							SH: blk, v carbonaceous.
750				20 Estimated Porosity	0	0.01 Visually Estimated Perm 0.1 10 100	SH: blk, v carbonaceous.
755							750 SPL; as described abv.
760				1-2%		<0.02 md	DEBOLT 740 SPL; LS: micro-vf xln, com-abund bioclastic material, grainst, crinoids, pelcypod shell fragments, p intxln por, 1-2%, <0.02 md.
765				1-2%		<0.02 md	745 SPL; LS: v bioclastic, crinoidal grainst, tr-com shell fragments, tr bit material, tr bit replaced shell material, 1-3% por, <0.03 md.
770				3-6%	X P	0.05-0.5 mD	755 SPL; LS: v bioclastic, com crinoids, oolites, com recrystalized crinoids/coral, com clr xln calcite intra particle cmt, tr-com intxln por, tr pin point vuggy por, 3-6% por, 0.05-0.5 md.
775				1-2%		<0.02 md	760 SPL; crypto-micro xln, lt gy, lt brn-blk, comly arg & bituminous, non-fossiliferous, 1-2%, ,0.02 md.
780				1-2%		<0.02 md	765 SPL; LS: lt gy-blk as abv, no vis por.
785				1-2%		<0.02 md	770 SPL; LS: cryptoxln, arg, dense, no vis por, tr-com blk carbonaceous SH.
790				1-2%		<0.02 md	775 SPL; LS: com arg cryptoxln, com bioclastic ctgs with tr crinoids, chalky in part, p intxln por, 1-2%, <0.02 md.
795				1-2%		<0.02 md	780 SPL; LS, crypto-micro xln, comly bituminouds, tr-com dk gy blk CHERT - silicified bioclastic LS, p por/perm, 1-2 & tr 3% por, <0.02 mD.
800				20 Estimated Porosity	0	0.01 Visually Estimated Perm 0.1 10 100	785 SPL; LS: blk, arg/bituminous, com blk CHT.

