#2

Interpreted Drill Cuttings Description 200/c-071-I / 094-I-13/00

Formation	Kh (mD.m)	Top (m)
DEBOLT		
UPPER RUNDLE		
MIDDLE RUNDLE 2		
MIDDLE RUNDLE 1		
LOWER RUNDLE		

Sample Quality: GOOD

Well Name: ECAOG HZ GUNNELL
Status/RR: GAS WELL / 2000
TD Depth/Fmn: 1566 TVD / SIMPSON
Examined: MAY-2009

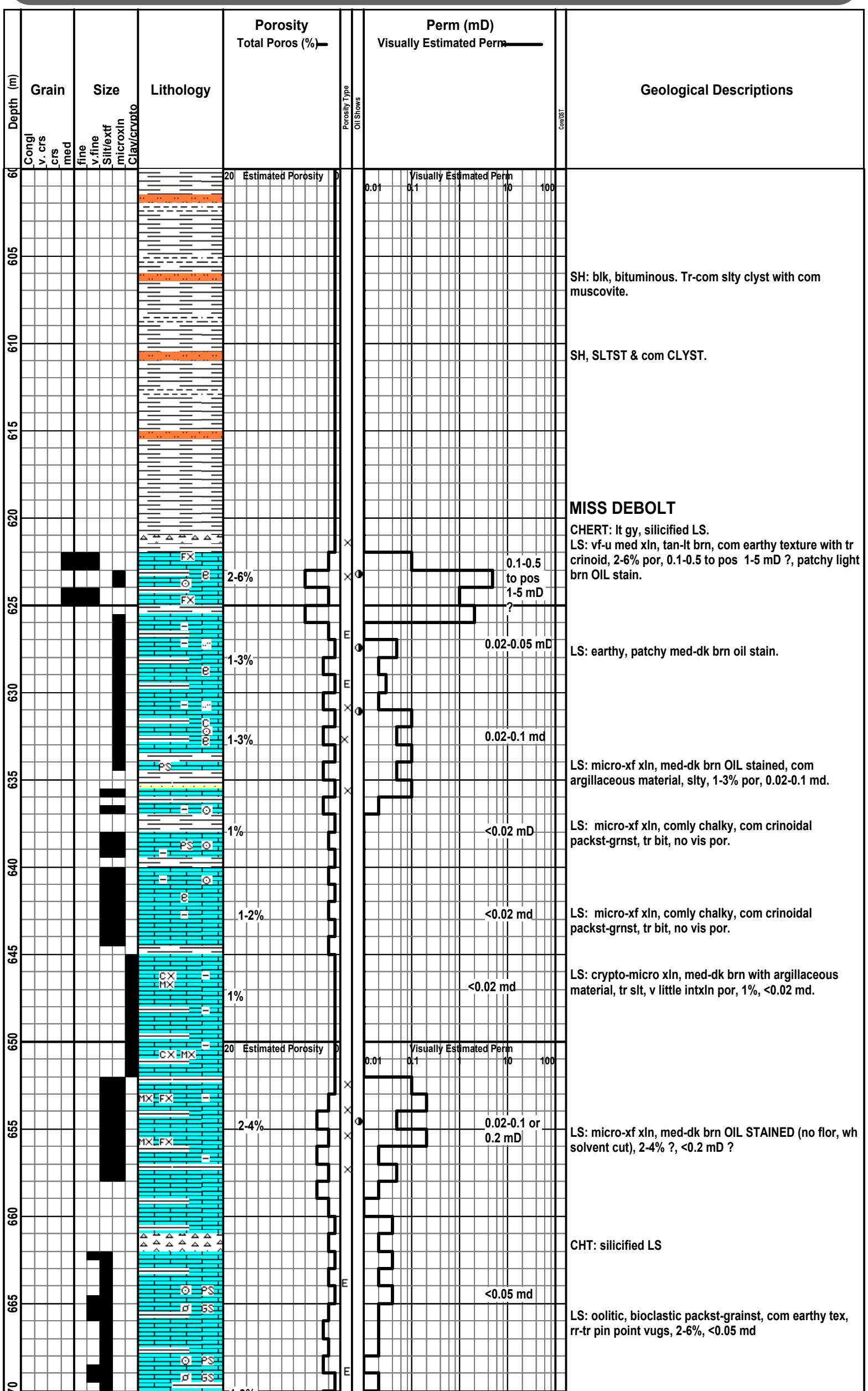
JC Consulting Inc.
403 651-7890
File No: 2009-026

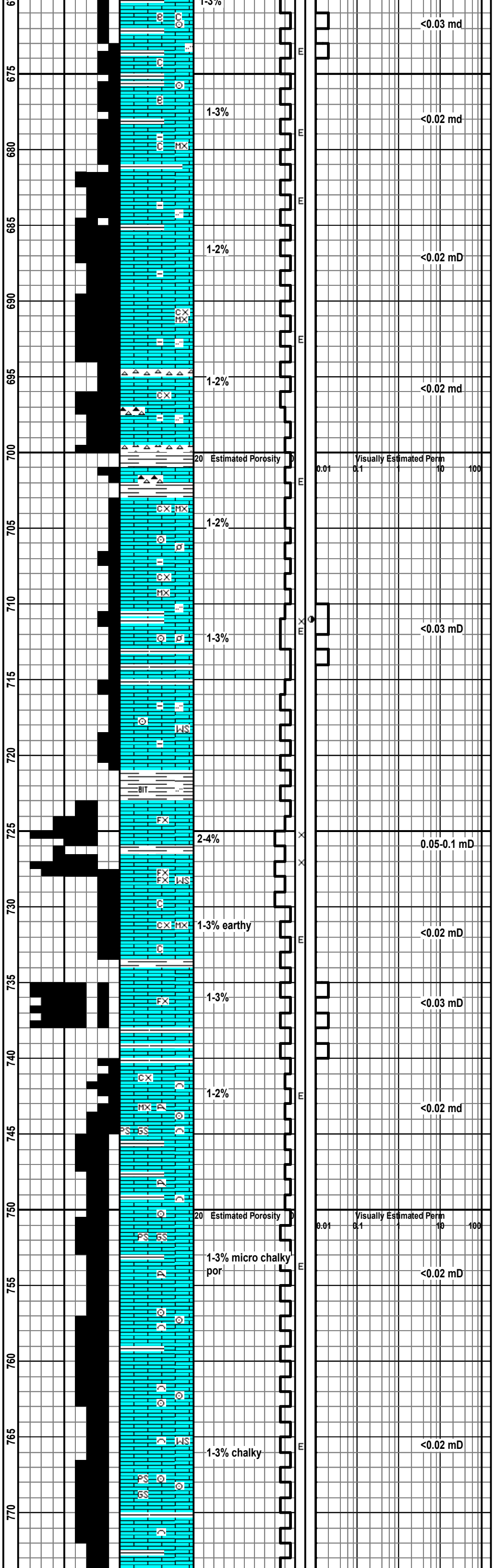
No Cretaceous sand observed overlying the Mississippian carbonates.

The upper Mississippian carbonates consist of vf-medium and coarse to upper coarse crystalline limestone with no apparent dolomitization. Porosity is the upper-most intervals are in the 2-6% range with permeability estimated to be in the 0.1-0.5 and 1-5 mD range. The lower carbonates are a massive bioclastic limestone with common chalky texture and minor intercrystalline porosity.

No fracturing evidence was observed within this sample interval.

No DST'S or Perf intevals are present within this interval





LS: earthy-chalky, tr crinoids, rr pyrbit, 1-3% micro por, <0.03 md.

LS: earthy-chalky, tr crinoids-locally com & pos chain corals, rr pyrbit, 1-3% micro por, <0.03 md.

LS: vf xln, com chalky texture, rr pin point vugs, tr crinoid frags, gen poor reservoir, 1-2 to pos tr 3%, <0.02 mD

CHERT: com med-dk gy mottled.
LS: crypto to micro xln, dk brn blk, com-abundant argillaceous material, tr bit & slt, no vis por.

LS: crypto-micro xln, com arg/bituminous material, abund lt-dk CHT - silicified LS with com spicules, p reservoir potential.

LS: crypto-micro xln, lt-dk brn with com-abund argillaceous mat & tr bit, sl slty, lt brn, tr crinoids, abund pellets (?), com ctgs with hvy OIL staining, micro-vf xln, com med xln, 1-3% por, <0.03 mD

SH: v calcareous, slty, bit.

LS: micro-u vc xln, off wh-lt brn, tr dk bituminous material, TR VIS INTXLN POR, 2-4% por <0.1 md.

LS: crypto-micro xln, abund chalky, v arg & bituminous 1-3% earthy por, <0.02 mD

LS: micro-u vc xln, no vis intxln por, 1-3%, <0.03 md.

LS: mircro xln-earthy, tr crinoid fragments,

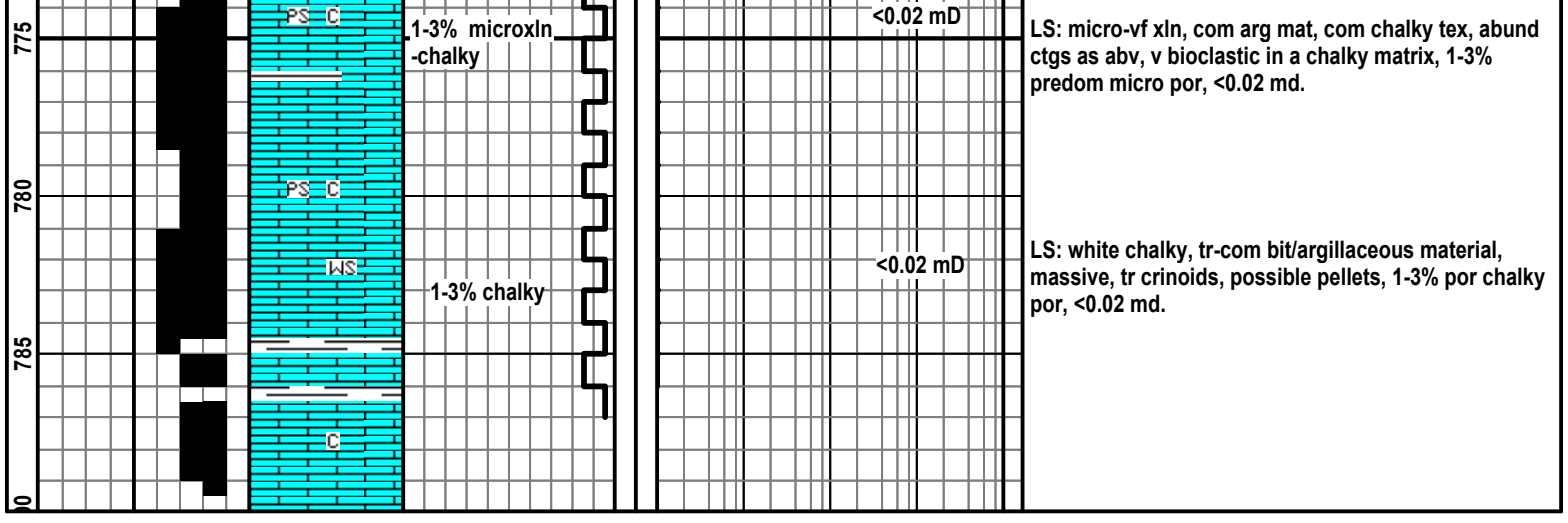
MASSIVE BIOCLASTIC LIMESTONE

LS: crypto-micro tr vf xln, off wh-lt brn, commonly bioclastic, crinoid and possible solitary septate corals, oolites, 1-3% primariliy xln & earthy/chalky micro porosity, <0.02 md

LS: crypto-micro tr vf xln, off wh-lt brn, commonly bioclastic, crinoid and possible solitary septate corals, oolites, 1-3% primariliy xln & earthy/chalky micro porosity, <0.02 md

LS: crypto-micro tr vf xln, off wh-lt brn, commonly bioclastic, crinoid and possible solitary septate corals, oolites, 1-3% primariliy xln & earthy/chalky micro porosity, <0.02 md

MASSIVE CHALKY COMLY BIOCLASTIC LS


775
780
785
PS
C
1-3% microxln
-chalky
PS
C
WS
1-3% chalky
C
<0.02 mD
<0.02 mD
LS: micro-vf xln, com arg mat, com chalky tex, abund ctgs as abv, v bioclastic in a chalky matrix, 1-3% predom micro por, <0.02 md.
LS: white chalky, tr-com bit/argillaceous material, massive, tr crinoids, possible pellets, 1-3% por chalky por, <0.02 md.