

Formation:

Krad zn  
Kbluesky  
Mu rundle

Sample Quality: FAIR TO GOOD -  
INVERT DRLG MUD resulting in oi  
stained spls and abundant white  
calcium chloride coating samples.

Well Name: ECA ECOG HZ GUNNELL  
Status/RR: JN MARIE GAS WELL / 2007  
TD Depth/Fmn: N/A / N/A / Djn marie  
Examined: AUG-2011  
JC Consulting Inc.  
J Clow, P Geol  
403 651-7890  
File No: 2011-032

202/a-052-C / 094-P-04/00

Depth	Grain	Size	Lithology	Porosity Total Poros (%)	Porosity Type Oil Shows	Perm (mD)				Geological Descriptions
						Visually Estimated Perm				
51				20 Estimated Porosity		0.01	0.1	10	100	Krad zone
575										
580										
585										SH, dk gy, blk-y-fissile, tr SLTST.
590										SH, as abv, mn'r CLYST.
595										K Bluesky
599										
600										SS: vf-u f gr to com l med gr ang-sb ang clr & fros OIL STAINED qtz grs, mod-weakly consolidated, fair to good grain relief, tr-com GLAUC, com qtz overgths, sl calc, COMMON VIS POR, 5-9% por, 0.5-1 to pos 5-10 md, weak flor, instant yel blooming cut - NOTE: it appears INVERT DRLG MUD USED - effecting flor, appears to be real oil.
605										SS: l-u vf gr, tr-com f-l med gr ang-sb ang fros qtz grs, com GLAUC, patchy pyrbit, com qtz rr cht, mod-weakly consolidated, sil, sl calc, TR-com VIS POR, 3-6 to com 8% por, 0.05-0.5 to pos 0.5-2 mD.
610										M Upper Rundle
615										
620										LS: crypto-micro & com f xln, com wh CHERT - siliceous LS, mn'r xln por, 1-2%, <0.02 md
625										LS: crypto-micro xln, P POR/PERM.
630										LS: crypto-micro xln, P POR/PERM.
635										DOL: com in spl, vf-f xln, dk brn blk, arg/bituminous, tr vis intxln por, 1-3% por, 0.02-0.05 to pos strky 0.1 or 0,2 mD.
640										LS: abund in spl, com CHERT - silicified LS, crypto-micro xln, p intxln por.
645										LS: crypto-micro xln, com vf xln with tr vis intxln por, 1-2 to strky 3%, <0.05 md