



32E13SE0037 24 ATKINSON LAKE

010

Diamond Drilling

Area of ATKINSON LAKE

Report N^o 24

Work performed by: AMOCO PETROLEUM CANADA COMPANY LIMITED

Claim N ^o	Hole N ^o	Footage	Date	Note
401103	3-1	388.0'	Feb/75	(1)

Notes: (1) #93-75

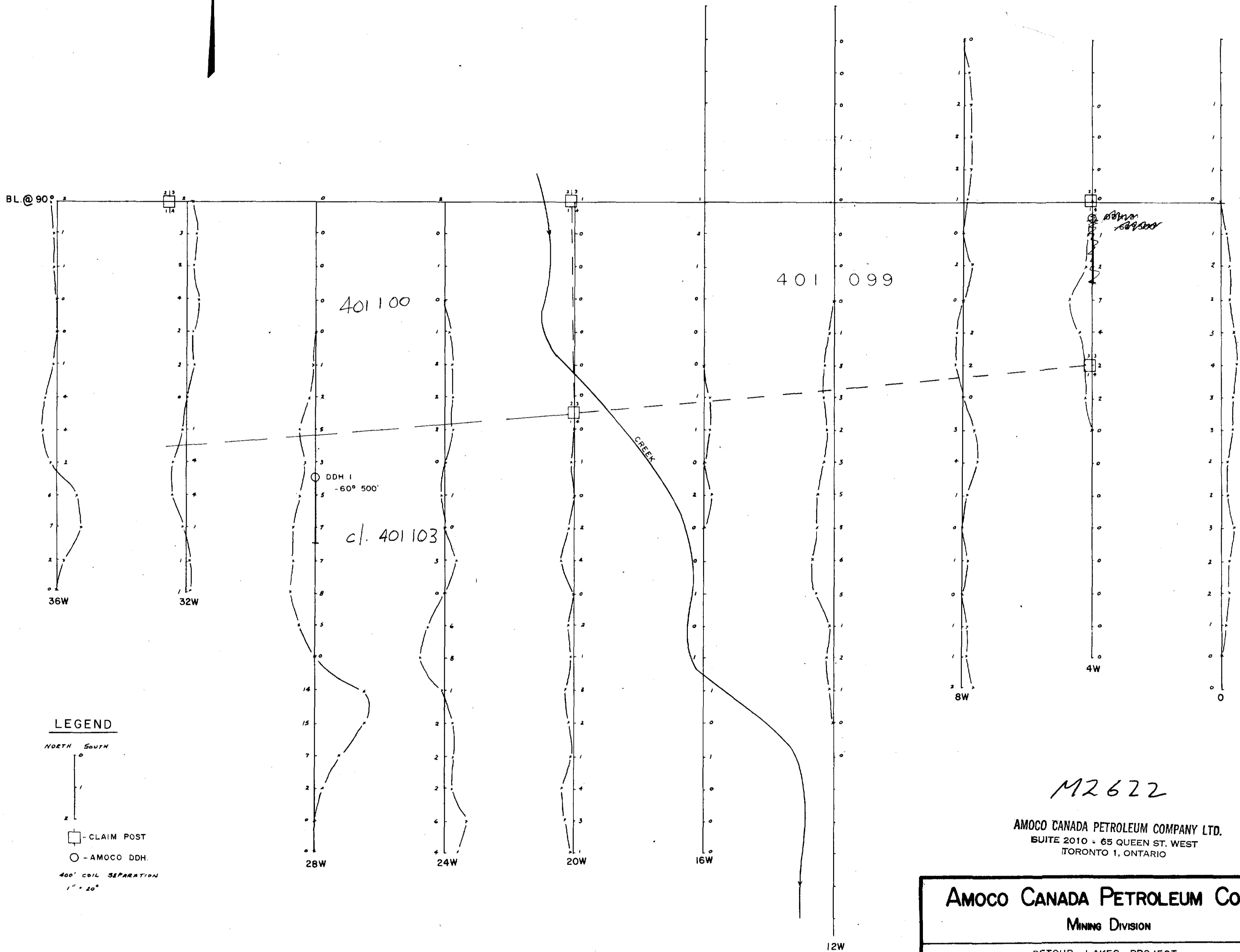
ATKINSON LAKE # 93
AMOCO

AMOCO CANADA PETROLEUM COMPANY LTD. - MINING DIVISION - DIAMOND DRILL HOLE RECORD

PROPERTY	Detour Lake Anomaly 3	LATITUDE	8+50S	STARTED	Feb. 22, 1975	Footage	Corrected	DIP TEST					
HOLE NO.	3-1	DEPARTURE	28W	FINISHED	Feb. 1975			303'	63°	Footage	Corrected	Footage	Corrected
BEARING	180	ELEVATION		LENGTH	388'								
DIP-COLLAR	-60°	SECTION		LOGGED BY	M. Konings								

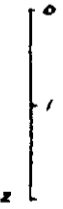
FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS						
From	To				From	To	Length	Au.	Ag.	Cu.	Zn.	Pb.		
0	44'	Overburden												
44	69	Felsic Gneiss: origin possibly a felsic pyroclastic grain size - variable, range from 2 mm to .5 mm. Mafics: 30-40% of rock (biotite and chlorite) quartz and feldspar 60%. Banding and compositional changes caused by variations in biotite to chlorite ratios. 1 - 4 cm. wide quartz bands. Foliation at 75° to 90° to core axis. Becomes more mafic and finer grained with depth.	No mineralization.											
69	151.5	Mafic Gneiss: origin possibly an intermediate to mafic tuff. Grain size generally less than 1 mm., some sections as above. Variations in composition caused by variations in chlorite content (nbiotite). More than 40% chlorite, some sections of amphiboles.	Trace Py.											
151.5	174.4	Felsic Gneiss: foliations and relict inclusions suggest a tuffaceous origin; less than 40% mafic (biotite - chlorite) 3-6 cm. siliceous (cherty?) sections common. Chlorite to biotite ratio changes result in considerable compositional variations. Becomes more felsic with depth, less re-crystallization with depth. Foliation at 75-90° to core axis.	No mineralization.											
	167.5 - 174.4	Vitric tuff (rhyolite) ash size 1-2 mm. cherty-siliceous cement. Mineralized, with interstitial disseminated pyrite cubes.	2% Py.											
174.4	183.6	Graphite: conductor; 10% of zone consists of thin 1-2 cm bands of chert interbedded with graphite. Banding 80-90° to core axis.	5% Py in bands	4006	174	177.8	3.8	T		.018	.24			
				4005	181.6	187.2	5.6	N		.012	.09			
	177.8 - 180.0	Ground core.												
183.6	274.2	Mafic Tuff: Fine grained; mafics include chlorite, biotite: some epidote rich sections. Many thin siliceous bands parallel to bedding. Foliation at 85° to core axis. Same cherty sections, are weakly mineralized. Garnets and epidote are found in more chloritic sections.	Trace Py.											
274.2	282.4	Graphite: with 40% interbedded tuffs and chert.	5% Py	4007	274.2	279.2	5'	N		.013	.021			
				4008	279.2	282.4	3.2'	N		.016	.017			





LEGEND

NORTH SOUTH



□ - CLAIM POST

○ - AMOCO DDH.

400' COIL SEPARATION
1" = 20'

M2622
AMOCO CANADA PETROLEUM COMPANY LTD.
SUITE 2010 - 65 QUEEN ST. WEST
TORONTO 1, ONTARIO

AMOCO CANADA PETROLEUM Co. LTD.
MINING DIVISION

DETOUR LAKES PROJECT

ANOMALY - 3

BROADSIDE V.L. SURVEY (C.E.M.) - 400' SEP.'N

DRAWN BY	J. CUBITT	SCALE	1" = 200'
DATE	FEB. 1975	DRAWING No.	74C-002

