



32E13SE0038 25 ATKINSON LAKE

010

Diamond Drilling

Area of ATKINSON LAKE

Report N^o 25

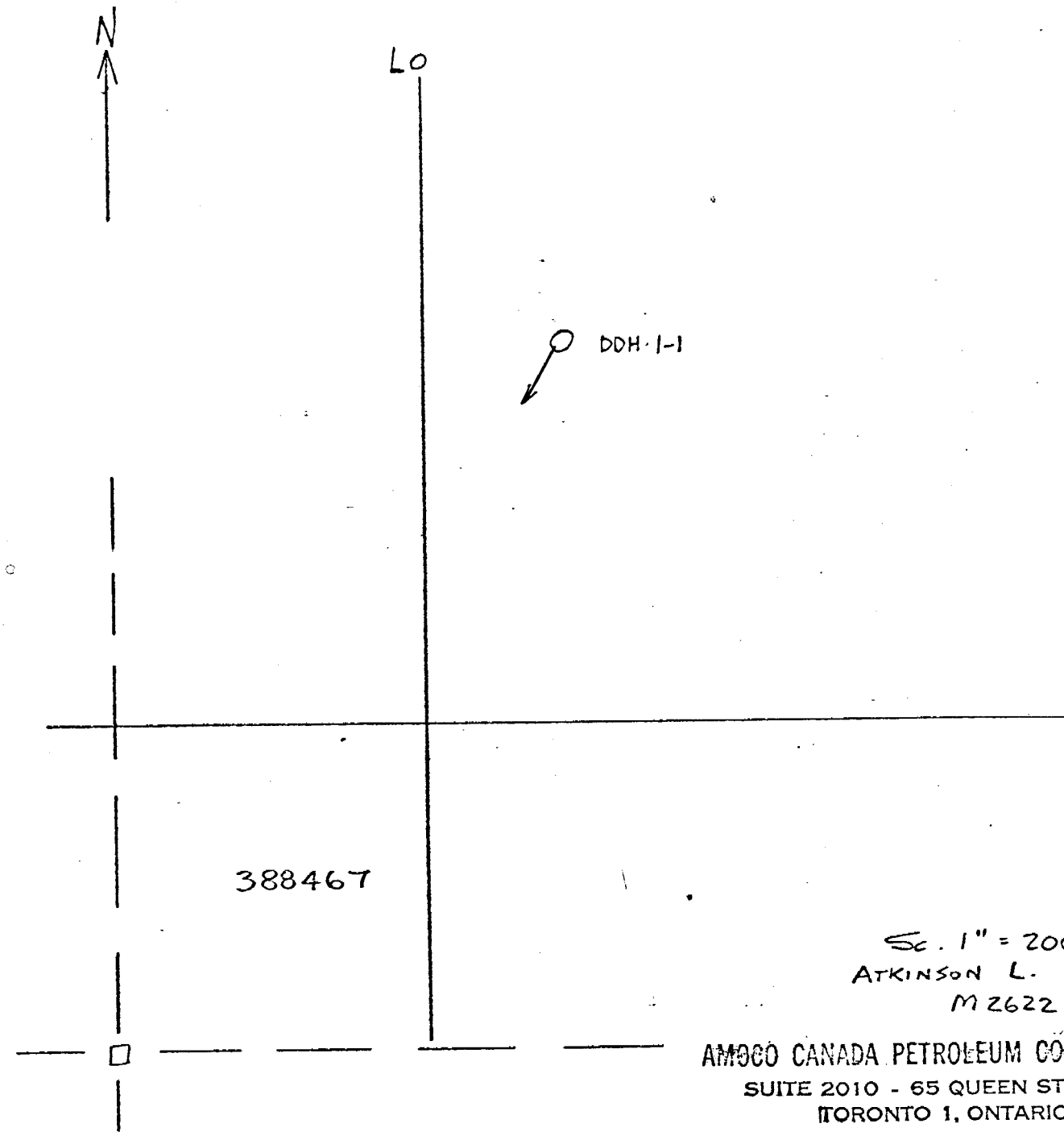
Work performed by: AMOCO PETROLEUM CANADA COMPANY LIMITED

Claim N ^o	Hole N ^o	Footage	Date	Note
388467	1-1	609.0'	Feb/75	(1)

Notes: (1) #92-75

ATKINSON LAKE #92

AMOCO

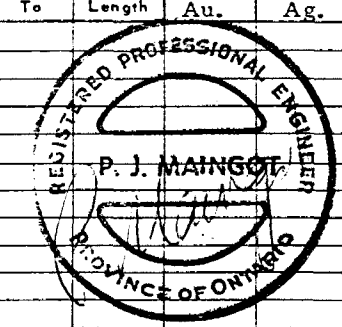


Sc. 1" = 200'
ATKINSON L. TWP.
M 2622

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

PROPERTY	Detour Lake Anomaly 1	LATITUDE	5N	STARTED	Feb. 15, 1975	Footage	Corrected	DIP TEST			
HOLE NO.	1-1	DEPARTURE	1+75E	FINISHED	Feb. 20, 1975	300	47°	Footage	Corrected	Footage	Corrected
BEARING	210°	ELEVATION		LENGTH	609'						
DIP-COLLAR	-45°	SECTION		LOGGED BY	M. Konings						

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS				
From	To				From	To	Length	Au.	Ag.	Cu.	Zn.	Pb.
0	84	Overburden										
84	137.0	Mafic Metavolcanic: fine grained (.5 - 1 mm) consistent grain size throughout, very massive, no foliation 60% felsic content (plagioclase, muscovite? clay minerals; 40% mafic (amphibole, biotite, tr. magnetite), Reddish brown to green color. Some foliation at quartz veins and internal composition changes.	No mineralization									
		86.3 - minor contact, red to green rock, green rock is aphanitic at contact (chill zone?); 60° to core axis; increase in epidote and chlorite at contact.										
		196.0 - 96.5 - felsic zone, 30% mafics (chlorite, epidote)										
		103.3 - 104 - minor contact, reddish metavolcanic grades into coarser grained epidote rich rock. Foliation at 80° to core axis.										
		116.4 - 116.9 - Shear or slip, minor chloritization, quartz injection, no mineralization.										
		121.6 - 134 - coarser veined than above 2 mm, 10-25% epidote, minor quartz veining. Some mineralization in quartz veins.		4850	124	127	3'	NIL				
137.0	141.0	Intermediate Tuff: contact with above in distinct; foliation and banding with small (2 mm) felsic clasts (15%) mark beginning of unit. Tuff becomes more felsic with depth - becoming dacitic after 137'.										
141.0	153	Cherty Tuff - dark grey, fine grained tuff, composition varies with changing biotite, graphite chlorite. Thin mineralized sections associated with clean cherty horizons. Banding at 65° to core axis.										
		141.0 - 141.1 10 % Sulphides	Po + Py, Tr. Cpy	4851	141	145	4'	NIL	.014	.02		
		141.9 - 142.1 10% sulphides in graphite	Py	4852	145	149	4'	NIL	.021	.09		
		142.1 - 142.9 - 10% sulphides	Po, Py Tr. Cpy.	4853	149	154	5'	NIL	.009	.008		
153.0	186	Rhyodacite Tuff - consistent composition and ash size; hard and massive, chloritic alteration gives deep green color; grain size becomes finer down hole. More mafic with depth, more banding with depth, but is indistinct at top of unit.		4854	167	169	2'	NIL				
				4855	174	178	4'	NIL				
		161 - 181 - unit is cut by many quartz carbonate veinlets with minor Po, Py.										



FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS						
From	To				From	To	Length	Au.	Ag.	Cu.	Zn.	Pb.		
186	227.7	Dacitic Tuff; mostly fine grain, some sections 2-3 mm, grains (ash), unit is hard and massive distinguished by an increase in mafic content, mostly epidote, also chlorite. Banding to core axis 70°, many thin (3-6 cm) cherty sections, rare felsic fragments 1-3 cm. Unmineralized quartz veinlets, 10% of unit to 201'.												
	195.5 - 196.7	Siliceous zone, heavily mineralized												
	203.5 - 209	Quartz vein, Po and Cpy	25% Po, .5% Cpy	4856 4857	195 203	197 209	2' 1'	NIL NIL		.03	.008			
227.7	289	Intermediate Tuff: Fine grained unit, less siliceous than above, lighter in color due to smaller chlorite content, more clay minerals ie. sericite; foliation of at 60-70° to core axis, minor cherty sections, rare rhyolitic clasts. Mineralization: none.												
289	312.5	Massive Sulphides within Cherty Tuff												
	289 - 295.0	cherty tuff	5% Po + Py	4858	290	295	5'	NIL		.008	.012			
	295 - 298.2	massive sulphides, quartz inclusions, sulphides coarse grained.	85% (75 Po, 25 Py)	4859	295	298.2	3.2'	NIL		.03	.004			
	298.2 - 301.0	35% sulphides interbedded with coarse grained glassy quartz.	35% Po Tr Cpy	4860	298.2	301	2.8'	NIL		.015	.03			
	301.0 - 306.0	15% sulphides	14% Po, 1% Py	4861	301	306	5'	NIL		.009	.08			
	306.0 - 309.7	Po in cherty tuff	15%	4862	306	311	5'	NIL		.015	.09			
	309.7 - 312.5	Py in cherty tuff	15%											
312.5	345	Intermediate to Mafic Tuff: very fine grained claylike appearance, banded by sharp increase in silica and biotite. Foliation at 75° to core axis. Minor (2') sections with felsic lapilli (1-4 mm) up to 25%. Mineralization related to biotite, heavy chlorite, cherty sections.												
	312.5 - 320.5	Sulphides in thin beds (1 mm) of tuff.	10% (50 Po, 50% Py)	4863 4864	311 316	316 321	5' 5'	Tr Tr		.007 .008	.013 .006			
	336.8 - 341.7	Mafic lapilli tuff; fragments 75%; 2-5 mm range.												
	342.8 - 345	Felsic fragments in mafic tuff, 15%; 2 mm size, not mineralized.												
345	353.4	Massive to sub-massive sulphides. Some graphitic sections interbedded with Py; banding 65° to core axis. Py occurs as concretions surrounded by halos of drusy chlorite.	90% to 450% Py. Ave. 75%	4865 4866	345 350	350 354.4	5' 4.4'	Tr Tr		.012 .009	.007 .012			

