

93A/07C

821151

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

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PROPERTY Frasergold		LATITUDE L59+00E	STARTED September 5th, 1984	DIP TEST						
MOLE NO. FBC-84-7		DEPARTURE 2+87S	FINISHED September 9th, 1984	Footage 61m	Corrected -50°	Footage 244m	Corrected -51°			
BEARING Az. 045°		ELEVATION 1,540 (5,053')	LENGTH 275.8m (905')	122m	-52°					
DIP-COLLAR -50°		SECTION L59+00E	LOGGED BY: P. Brown	183m	-48°					
FOOTAGE		DESCRIPTION	% Mineralisation	SAMPLE NO.	FOOTAGE			ASSAYS		
From	To				From	To	Length	AU/OZ/T		RQD
0.0	6.1m	CASING.		W4198	6.1	7.5	1.4	0.001		
				W4199	7.5	9.0	1.5	0.001		43
6.1	11.8m	Black Knotted Phyllite (20% Knots)		W4200	9.0	10.5	1.5	0.001		
		Foliation is well-developed at 70°-90° to C.A. The K.P. is strongly graphitic throughout.		W4201	10.5	12.0	1.5	0.001		50
		From 6.1-7.3m, the knots are oxidized and from 7.3 - 11.8m, the knots are fresh. A few knots adjacent to fractures are oxidized.		W4202	12.0	13.5	1.5	0.002		
				W4203	13.5	15.0	1.5	0.001		36
				W4204	15.0	16.5	1.5	0.001		
				W4205	16.5	18.0	1.5	0.001		51
				W4206	18.0	19.5	1.5	0.001		
				W4207	19.5	21.0	1.5	0.001		30
		This section has weak qtz. veining with 6% qtz. The veins have trace to minor pyrite, some of which has been oxidized.		W4208	21.0	22.5	1.5	0.001		
		Down to 7.3m, the core is broken with 75% recovery. Weak minor folding is also noted.	6.1 - 11.8m upto 1% Py.	W4209	22.5	24.0	1.5	0.001		39
				W4210	24.0	25.5	1.5	0.001		
				W4211	25.5	27.0	1.5	0.001		39
				W4212	27.0	28.5	1.5	0.001		
		9.7m Folded 5-7 cm. qtz. vein, minor Py.		W4213	28.5	30.0	1.5	0.001		32
		10.25m 15 cm. qtz. vein 75° to C.A. Minor Po,Py in vein.		W4214	30.0	31.5	1.5	0.001		
		There is strong graphite development adjacent to the qtz. veins.		W4215	31.5	33.0	1.5	0.001		34
				W4216	33.0	34.5	1.5	0.001		
		The phyllite has upto 1% disseminated Py.		W4217	34.5	36.0	1.5	0.001		52
				W4218	36.0	37.5	1.5	0.001		
11.8	37.1m	Fine-Grained Light Gray Siliceous Sediment		W4219	37.5	39.0	1.5	0.001		47
		Interbedded with the Siliceous Sediment are a number of < 1m units of K.P. The Siliceous Sediment has been fractured with limonite staining on many of the fractures. The majority of the fractures are parallel to foliation, however, a few are at a low angle to the C.A. Foliation is moderate in the Siliceous Sediment, however, it is better developed in the interbedded K.P.		W4220	39.0	40.5	1.5	0.001		
		Very weak and isolated minor folds are noted.		W4221	40.5	42.0	1.5	0.001		47
		Foliation is steeper than compositional layering indicating tops up hole.		W4222	42.0	43.5	1.5	0.001		
		A good example of minor folding is noted at 15.3m.		W4223	43.5	45.0	1.5	0.001		49
		15.0 - 15.4m Knotted phyllite.		W4224	45.0	46.5	1.5	0.001		
		18.9 - 19.7m Knotted phyllite.		W4225	46.5	48.0	1.5	0.001		36
		20.55m 5 cm. Knotted phyllite contacts 70° to C.A.		W4226	48.0	49.5	1.5	0.001		
				W4227	49.5	51.0	1.5	0.001		72
				W4228	51.0	52.5	1.5	0.001		
				W4229	52.5	54.0	1.5	0.001		73
				W4230	54.0	55.5	1.5	0.001		
				W4231	55.5	57.0	1.5	0.001		73
				W4232	57.0	58.5	1.5	0.001		
				W4233	58.5	60.0	1.5	0.001		98
				W4234	60.0	61.5	1.5	0.001		

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Frasergold

HOLE NO FRC-R4-7

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FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO	FOOTAGE			AU(OZ/T)	ASSAYS	RQ
From	To				From	To	Length			
37.1m	171.7m	Cont'd.		W4279	127.5	129.0	1.5	0.012	70	
				W4280	129.0	130.5	1.5	0.006		
				W4281	130.5	132.0	1.5	0.015	91	
		45.0-46.1m Broken core with some qtz.		W4282	132.0	133.5	1.5	0.006		
		48.05m 13 cm. qtz. vein 45° to C.A. Trace qtz.-carbonate and Po,Py.		W4283	133.5	135.0	1.5	0.020	94	
				W4284	135.0	136.5	1.5	0.007		
		52.0m 10-12 cm. qtz. vein 45° to C.A. Moderate qtz.-carbonate and Po,Py in vein.		W4285	136.5	138.0	1.5	0.001	71	
				W4286	138.0	139.5	1.5	0.001		
				W4287	139.5	141.0	1.5	0.001	81	
		Cleavage - compositional layering indicates tops are uphole and bedding is upright.		W4288	141.0	142.5	1.5	0.001		
		Foliation is 70°-90° to C.A. and is subparallel to compositional layering.		W4289	142.5	144.0	1.5	0.001	71	
				W4290	144.0	145.5	1.5	0.001		
				W4291	145.5	147.0	1.5	0.011	5.02	
		From 57.1 - 64.7m no qtz. veining.		W4292	147.0	148.5	1.5	0.032		
		64.7-74.2m Quartz vein zone with 27% qtz. as veins. Veins are generally > 5 cm. in width and subparallel to foliation.		W4293	148.5	150.0	1.5	0.001	101	
				W4294	150.0	151.5	1.5	0.011		
				W4295	151.5	153.0	1.5	0.001	101	
		67.5m 180 cm. qtz. vein at 70° to C.A. Vein has 5-10% qtz.-carbonate and 3-5% Po,Py, trace Cpy and V.G. in two locations. 7-10 specks.	67.5-69.3m V.G. noted twice in 1.80m qtz. vein.	W4296	153.0	154.5	1.5	0.001	101	
				W4297	154.5	156.0	1.5	0.001		
				W4298	156.0	157.5	1.5	0.001		
				W4299	157.5	159.0	1.5	0.001	8	
				W4300	159.0	160.5	1.5	0.001		
		64.7m 12 cm. qtz. vein 45° to C.A. Moderate qtz.-carbonate and Po,Py in vein.		W4301	160.5	162.0	1.5	0.001	101	
				W4302	162.0	163.5	1.5	0.001		
				W4303	163.5	165.0	1.5	0.001	9	
		66.5m 12 cm. qtz. vein 45°-70° to C.A. Trace qtz.-carbonate and Po,Py in vein. One 2 mm. smear of V.G. also present.	66.5m V.G.	W4304	165.0	166.5	1.5	0.001		
				W4305	166.5	168.0	1.5	0.009	10	
				W4306	168.0	169.5	1.5	0.040		
		71.9m 11 cm. qtz. vein 70° to C.A. Minor qtz.-carbonate and Po,Py in vein.		W4307	169.5	171.0	1.5	0.001	8	
				W4308	171.0	172.5	1.5	0.016	10	
		74.1m 10 cm. qtz. vein 50° to C.A. Trace qtz.-carbonate and Po,Py in vein. Also present two specks of V.G.	74.1m V.G.	W4309	172.5	174.0	1.5	0.029	10	
				W4310	174.0	175.5	1.5	0.029		
				W4311	175.5	177.0	1.5	0.001	9	
				W4312	177.0	178.5	1.5	0.002		
		74.5m 2 cm. qtz. vein 50° to C.A. Minor qtz.-carbonate and Po,Py in vein.		W4313	178.5	180.0	1.5	0.003	10	
		74.5-77.6m Only minor qtz. veining.		W4314	180.0	181.5	1.5	0.001		
				W4315	181.5	183.0	1.5	0.001	10	
		77.6-80.77m 19% qtz. for the 3.17m. However, 44% of the qtz. is in a 27 cm. qtz. vein.		W4316	183.0	184.5	1.5	0.016	8	
				W4317	184.5	186.0	1.5	0.001		
				W4318	186.0	187.5	1.5	0.001		
				W4319	187.5	189.0	1.5	0.001	1	
		77.9m 10 cm. qtz. vein 70° to C.A. Minor qtz.-carbonate and Po,Py in vein.		W4320	189.0	190.5	1.5	0.001		
		78.5-80.5m Several qtz. veins with moderate qtz.-carbonate and Po,Py in Black Carbonaceous Phyllite. Veins also have trace Cpy, and possible trace sphalerite.	80.5m V.G.	W4321	190.5	192.0	1.5	0.001	1	
				W4322	192.0	193.5	1.5	0.001		

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			Au (oz/t)	ASSAYS	RFD
From	To				From	To	Length			
37.1m	171.7m	Cont'd.		W4323	193.5	195.0	1.5	0.001		43
		80.5m 27 cm. qtz. vein 80° to C.A. Minor qtz-carbonate and Po,Py and 3-5 specks of V.G. in vein.		W4324	195.0	196.5	1.5	0.001		
				W4325	196.5	198.0	1.5	0.001		41
				W4326	198.0	199.5	1.5	0.001		
				W4327	199.5	201.0	1.5	0.001		48
		80.8 - 95.0m only 1/2 qtz. as veins in the interval.		W4328	201.0	202.5	1.5	0.001		
				W4329	202.5	204.0	1.5	0.001		57
		84.05m 6 cm. qtz. vein 45° to C.A. with moderate qtz-carbonate and Po. Vein also has 5-8 specks of V.G.	84.05m V.G.	W4330	204.0	205.5	1.5	0.001		
				W4331	205.5	207.0	1.5	0.001		65
				W4332	207.0	208.5	1.5	0.001		
		Cleavage and compositional layering intersection indicates tops uphole at 92 m.		W4333	208.5	210.0	1.5	0.001		85
				W4334	210.0	211.5	1.5	0.001		
		84.4m One minor fold noted.		W4335	211.5	213.0	1.5	0.001		47
				W4336	213.0	214.5	1.5	0.001		
				W4337	214.5	216.0	1.5	0.001		41
		From 84m. there is an increase in siliceous sediment content from < 5% to 10-15%.		W4338	216.0	217.5	1.5	0.001		
				W4339	217.5	219.0	1.5	0.001		38
				W4340	219.0	220.5	1.5	0.002		
		95-105m There is 6.6% qtz. veining in this interval.		W4341	220.5	222.0	1.5	0.001		43
				W4342	222.0	223.5	1.5	0.001		
		94.75-95.85m Siliceous sediment. Lower contact sharp at 85° to C.A.		W4343	223.5	225.0	1.5	0.001		76
				W4344	225.0	226.5	1.5	0.001		
				W4345	226.5	228.0	1.5	0.001		56
		102.45m-105.1m Minor calcareous phyllite interbedded with the knotted phyllite.		W4346	228.0	229.5	1.5	0.001		
				W4347	229.5	231.0	1.5	0.001		71
				W4348	231.0	232.5	1.5	0.001		
		From 91.0-105.0m, there is less K.P. with most of the 14m interval being Black Banded Phyllite with siliceous sediment and calcareous phyllite.		W4349	232.5	234.0	1.5	0.001		93
			37.1 - 171.7m upto 2% Py,Po	W4350	234.0	235.5	1.5	0.001		
				W4351	235.5	237.0	1.5	0.001		93
		95.4m and 96.8m Two isolated minor folds noted.		W4352	237.0	238.5	1.5	0.001		
				W4353	238.5	240.0	1.5	0.001		91
				W4354	240.0	241.5	1.5	0.001		
		Below 105m, knotted phyllite is again dominant.		W4355	241.5	243.0	1.5	0.003		25
				W4356	243.0	244.5	1.5	0.001		
		96.1m 13 cm. qtz. vein 90° to C.A. Minor qtz-carbonate and Po,Py in vein.		W4357	244.5	246.0	1.5	0.001		55
				W4358	246.0	247.5	1.5	0.001		
				W4359	247.5	249.0	1.5	0.001		87
		In the interval 95-105m, there is trace Cpy and sphalerite in some of the qtz veins.		W4360	249.0	250.5	1.5	0.001		
				W4361	250.5	252.0	1.5	0.001		81
				W4362	252.0	253.5	1.5	0.001		
		100.8m 1-2 cm. siliceous sediment band tightly folded. Vein is in a 2 cm. folded siliceous sediment band. Has tension gashes which are filled with qtz. The siliceous sediment fold is "y" shaped. There are three separate locations of V.G. in siliceous sediment and associated qtz.	100.8m V.G.	W4363	253.5	255.0	1.5	0.001		50
				W4364	255.0	256.5	1.5	0.001		
				W4365	256.5	258.0	1.5	0.001		25
				W4366	258.0	259.5	1.5	0.001		

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS	
From	To				From	To	Length		
57.1	171.7m	Cont'd.							
		144.8m Folded 5 cm. qtz. vein with trace qtz.-carbonate, Po,Py and Cpy in vein.							
		145.8m 3-4 cm. qtz. vein 60° to C.A. Good qtz.-carbonate and sulphides in vein.							
		148.7m 5 cm. qtz. vein 70° to C.A. Minor qtz.-carbonate and Po,Py in vein.							
		149.25m 9 cm. qtz. vein 70°-90° to C.A. Good qtz.-carbonate and Po,Py in vein.							
		152.5m Minor folding noted for 30 cm.							
		159.1m 7 cm. of Siliceous Sediment at 70° to C.A.							
		159.65m 10 cm. of siliceous sediment at 70° to C.A. Contacts are sharp.							
		168.7-169.85m Calcareous phyllite.							
		168.3m 4 cm. qtz. vein 80° to C.A. Minor qtz.-carbonate and Po,Py and trace sphalerite in vein.							
		165.0-168.7 Mainly black banded phyllite with 5% Py,Po.							
171.7	227.3m	Black Banded Phyllite With Black Carbonaceous Phyllite and Minor Siliceous Sediment The phyllite is quite lustrous. The Black Banded Phyllite and Black Carbonaceous Phyllite has 5-7% Po,Py.							
		The phyllite has minor qtz. veining.							
		171.7-183m This interval has 5% qtz. in veins. Most of the qtz. veins have minor qtz.-carbonate and Po,Py and a few of the veins have trace Cpy and sphalerite. A few of the veins are rich in calcite.							
		172.05m 29 cm. qtz. vein 90° to C.A. Moderate qtz.-carbonate and good Po,Py in vein.							
		174.5m 7 cm. qtz. vein 90° to C.A. Good Po,Py in vein.							
		175.0m Folded qtz. vein, size unknown.							
		175.2m 15 cm. qtz. vein 45° to C.A. Trace qtz.-carbonate and Po,Py in vein.							
		182.9m 5-10 cm. qtz. vein 30° to C.A. Barren							
		178-184.7m Mainly knotted phyllite. However, the knots are not well developed.							
					171.7-227.3m				
					3-10% Py + Po There is only weak Po				

