

Diamond Drilling

Area of Valora Lake

Report No 24

Work performed by: Scurry-Rainbow 0il Ltd.

Claim Nº	Hole No	Footage	Date	Note
PA 47107	BC-1	497'	Mar/70	(1)
	BC-11-C	366'	June/70	(1)
PA 47105	BC-2	426'	Apr/70	(1)
	BC-3A	703'	Apr/70	(1)
PA 47101	BC-4	596'	Apr/70	(1)

Total: - 5 DH 25881

Notes: (1) 408/70

•	,			·					г-	a Marigore was the Marie of Marie of the Control					
Started	March 26,	1970		aring			Lat.	Collar El.		logged by W.	C.C.		Dato Ap	<u>ril 3.</u>	, 1970
Complete	d		An	gle fr	om I	foriz. 50 ⁰	Dep.	Bottom El.	1	Remarks				·	
Driller	Midwest		1.0	ngth			Location Line 0+0) Lovel			11207777747414.00				
F	oolage		RECO	VERY		aplde	DESCRIPTION	N.	Sampl	From · To	Interval		ASSAY		
From	To	Interval	Ft.	%	1	log		//\ 	No.	210111-20	Interval	Cu	Ag	Au	Zn
0	68	OB	-	-			0 - 68		2501	68 - 70	2.0	ر ن	.64	1.40	<u></u>
							den - boulders,		2502	70 - 75	5.0	.03	.05	٠,	
					ļ.	Boulder:	s to 7 feet in d	ameter.	2503	75 - 80	5.0	04	.70		
									2504	80 - 85	5.0	OB.	30	11	
•							<u> 68 - 85</u>		2505	85 - 90	5.0	٤(),	2.2	17	101
68	86	17.5	17.5		}		ay to greenish g		2506	90 - 95	5.0	.04	1.00	t '.	6.5
•				1			reenstone)aphani in intermittent		2507	95 -100		(1)	.2.2	\$1	
						3			2508	100 - 105	5.0	165	2.6	V	
86	96	10	10	1		Pyrite	disseminated and	tight fracture	2509	105 -108	3.0	.63	.20	100	
						filling	s locally to 15%	. Sparse minute	B-12-19-19 Bar 12-20-						
		,					nated chalcopyri scattered blebs (te. Possible minute of sphalerite	•						
••				1		1110019	beauterea brebs (or spilater rect				*******	<u> </u>		
***************************************				 	1		85 - 130)	<u> </u>			,	 		 -
96	106	10	10				grained greensto	ne - disseminated		1					ļ
,						pyrite:	steadily diminish	ning in abundance.		 				ļ	
			i i			core	ed tight fractur	ing at 30/40 to		 		ļ- 		 -	
	_			 	 - 		130 - 15			 	 			 	
						Coarse	grained greensto	ne - sparse pyrite			 		 - : -	 	
						dissemi	nations. No vis one finer toward	ble chalcopyrite.						 	
						dicensu	one iller toward	CITE DOCCOM	.		 	ļ	 		ļ

SHEET 1 OF 5 SHEETS

	larch 26	1970	Bea	ring	N40 ⁰ W	Lat.	Collar El.	i	Logged by	R	.D		Dato Ap	ril.4	, 197
ompleted		· ········	Ang	de fro	om Horiz.	Dep.	Bottom EL		Remarks						
riller M	lidwest	,	Len		i i anthonogram (f. 1997). Il il di Martin (fili primi Million (fili primi Million (fili primi Million (fili p Million (fili primi fili primi fili primi primi fili p	Location Line 0+00	Lovel	eren di	na jarat nive in		postanian <mark>a m</mark> p		Mary and the second second	u luanan	
From	tage To	Interval	RECO		Graphic Log.	DESCRIPTION		Samı No.		То	Intervat	Au	ASSAY	Cu	Zn
157	161	10	10	7.0	Same gre	enstone, coarser gra	ins with few	2510) 161 -	166	5.0	T'r	. 24	. 10	
						seams (40 ⁹ with the ated pyrite speaks,			166 -			Tr	1.14	. 38	
					U155Cmin	ateu pyrite speaks,	no samples		171 -			Tr	. 24	. 06	-
									176 -			Tr	. 76	. 26	==
161	191	10	10			enstone - medium gra		 	181 -			TR	. 40	. 45	
					pyrrhoti	te 5%, Chalcopyrite bit of shearing wi	1% - samples.		186 -			Tr	.52	1	
						Quartz vein 2" thic			191 -			Tr	.74	. 30 . 65	
									196 -			Tr	. 38	. 34	
		į										***************************************			
			,					.2516	191 -	196	5.0	Ni_	1150	(scc.	abo
															-
191	197	10	10		30%; mor	e greenstone; more P e chalcopyrite, appr aring zones approxim	oximately 5%;	<u>k.</u>			- ·				
	•				Some site	aring zones approxim	atery 40-	2518	200 -	205		Tr	. 22	. 55	
								2519	205 -	210		Tr	. 20	. 34	
197	210	10	10		more pyr	greenstone, less min rhotite, increasing ately 2 some shea	chalcopyrite;	2520	210 -	215		Tr	. 20	. 21	

SHEET 2 OF 5 SHEETS

SCURRY-RAINBOW OIL LIMITED PROPERTY BRIAR-COURT, ONTARIO HOLE No. BC-1 Section No. COMPANY N40⁰W Logged by R.D. Collar El. Started March 26, 1970 Bearing Angle from Horlz. 500 Dep. Bottom El. Remarks Completed Midwest Location Line 0+00 Level Driller Length RECOVERY Graphic Sample Footage DESCRIPTION From · To Interval Interval No. Ft. Log From To Zn Dark gray, well banded rock; very fine 217 210 10 10 grains; probably slate disseminated pyrite; do not see any other minerals Greenstone coarse grains; very ligh, 30% 217 256 10 10 feldspar, trace of pyrite; no other mineralization; slate layer at 222' Very rhyolitic band with disseminated pyrite 256 258 2521 251 - 256 5.0 (Francis 1 - 251) and chalcopyrite Berling Garacia 2522 | 256 - 261 $2523 \pm 261 - 266 = 5.0$ Dark layer of fine slate, disseminated pyrite, sharp contact with greenstone at 258 265 5 bottom; greenstone layer (263) Greenstone not mineralized; medium grains 265 280 identical to above - epidote

SHEET 3 OF 5 SHEETS

HOLE No. BC-1 Section No. PROPERTY BRIAR-COURT, ONTARIO SCURRY-RAINBOW OIL LIMITED OMPANY N40^OW Started March 26, 1970 Logged by Bearing Angle from Horlz. 500 impleted April 6, 1970 Bottom EL Dep. Remarks 4.97' Midwest Length Location)riller RECOVERY Graphic Sample ASSAY Footage DESCRIPTION From · To Interval No. Interval Ft. % Log From To Dark grey finer greenstone, more epidote 301 280 10 10 breaks almost parallel to core axis, no visible cleavage, amphibole-biotite numerous, feldspar veinlets no mineralization Lighter and coarser greenstone; no more 301 327 10 10 veins, no mineralization 327. Black fine grains mafic rocks, very massive, 386 10 10 a few feldspar stringers (1/8" wide); disseminated pyrite - 10%; slightly magnetic Green coarser grains greenstone, 50% 395 10 386 10 feldspar identical to (96 - 106); no pyrite

SHEET 4 OF 5 SHEETS

started Ma	rch 26/	70	Bear	ring	N40 ⁰ W	Lat.	Collar El.		logged by	R.D.	Dato A	pril_6,_1970
Sompleted			Ang	le fro	m Horiz. 500	Dep.	Bottom El.		Remarks			
Priller	Midwes			gth	497'	Location	Lovel					
Foot	lage		RECOV		Graphic Logʻ	DESCRI	PTION	Sampi No.	From · To	Interval	ASSAY	
From	To		Ft	%					<u> </u>			
395	412	10	10			rains pyrite :	rk minerals 70% still 1%; quartz vein (2")					
412	440	10	10		Very fin 1% cleav	e grains mafic age at 60º wi	c dissiminated pyrite - th core					
440	453	10	10		20% amph		e grains. Mettagabbro exene, 80% feldspar;					
485	495	10	10			in maffic volo	canic with mettagabbro kene					
495	497	2	2		not mine	ralized	to previous one; le reading 65 ⁰					

SHEET 5 OF 5 SHEETS

COMPANY	Scur	ry-Rair	ibow	oil (Lin	nited	PROPERTY Briar Co	ourt, Ontario	•• ••••	Sect	ion No.		LIOIL	No. B	C2.
Started .	April 7,	1970	Be	aring	N ·	40 W	Lat.	Collar El.		logged by G.	Fing.		Date A	oril 10	, 1970
Completed	April L	3, 1970	Δn	igle fro	om II	oriz 500	Dep.	Bottom El.	1	Remarks		1			
Driller N	lid-Wes	t	Ic	ngth	420	6	Location Line 6+00S	Level				r. r. r. r. r	and the second proper		
Foo	tage	Interval		VERY	1	aphic	DESCRIPTION		Samp No.	le From · To	Interval		ASSAY	1	
From	To		Ft.	%	1	ωg.			10.			Cu	Ag	Au	Zn
0	47	O.B		i i		1	rden-boulders, sand	, gravel,							
•		ļ į				boulder	s to 5' in diameter								
							ţ			· · · · · · · · · · · · · · · · · · ·	and comments are not recognized by				
															•
47	67	20	20			, ., .	reen (47-52) to dark	0 ,	252	4 57-62	5 '	Examir	ed-not	wort)
							olitic rock (greenstor grained in intermitte		252	5 62-67	5 '		g for		
						,	isseminated pyrite v		c						
:						1	disserninated cpy. fr								
							Slightly magnetic v	vith possibly							
						minute	plebs of cordicrite.								
							,								
67	87	20	20			_	ained greenstone wi	-	252	6 77-82	51	11	11	13	
						fillings: the end.	Decoming more ga	bbroic towards	252	7 82-87	51	H	11	11	
•						ine ena.	,		252	8 87-92	51	н	11	11	
					·				2.52	9 92-97	5'	11	Ħ	"	
87	108	21	21				een coarse grained		253	0 102-107	5'.	11	11	-	***************************************
							ight fracturing: mod	•	253	1 107-112	5 '	11	11	11	•
	Į						sseminated: Sparse nated cpy. Possibly								
							d blebs of sphalerit	•							

SHEET 1 OF 5 SHEETS

tarted /	April 7,	1970	Bea	ring	N 40W	Lat.	Collar El.		Logged by G.	Finn	1	Dato ,	April	10, 197
ompleted	April 1	3, 1970	Ang	de fr	om Horiz, 50°	Dep.	Bottom El.		Remarks					
riller M	id-West	;	Len	gth	426	Location Line 6400S	Lovel		popular por a recorded and the second				de de la competit de	
	tago		RECO	VERY	Graphic	DESCRIPTION		Sam	from • To	Yndiamind		ASSAY		
From	To	Interval	Ft.	%	log.	DESCRIPTION		No.	Floin · 10	Interval Ni	Cu	Λg	Au	Zn
						ic. Fine-grained and				~~~~~~				
						Dip 70 ⁰ . Minor fract inated. Grading into		•						
						one at the end.	, intermediate	******						
	100	2	~					252	2 112 112	r 1				<u></u>
108	136	26	26		1 1	ediate coarse-graine ight fracturing, loca	~· ,	•	2 112-117	5'	. 11	. 42	Tr_	.005
	i	-				tely disseminated:			3 117-122	5'.02	2.10	. 22	Tr	. 005
					also pr	esented.		• • • • • • • • • • • • • • • • • • • •	4 122-127	5'				
10/	35.4	10				. 1.	*	253		5'.04		. 22	Tr	.01
136	154	18	18			reenish, coarse-gra Minor tight fractur		253	6 132-136		*******	ed-not	1]
						naterial: (151-153)	g,	* · · · · · · · · · · · · · · · · · · ·			sendin	g for	assay	ļ
154	177	18	17	90	Qtz-ric	h zone bordered by	rhyolite: banding	253	7 136-141	51	11	11	"	-
						sseminated, with sc		253	8 141-146	5'	11	lt .	"	
						lightly magnetic. F		253	9 146-151	51	11	11	11	
:					andesit	l dark grayish green e): Short gradational	contact: very	254	0 151-155	4'	11	11	11	
					· · · · · · · · · · · · · · · · · · ·	rained disseminated	• •	254	1 155-160	51	II	11	i.	
						ed blebs of bluish co		254	2 160-165	51	11	11	11	
					11	y rich in fine-graine racturing	ed sphalerite	254	3 165-170	51	11	11	11	
	ĺ			 			į	251	4 170-173	31	"	11	11	

SHEET 2 OF 5 SHEETS

HOLE No. B. C. COMPANY Scurry-Rainbow Oil Limited PROPERTY Briar Court, Ontario Section No. April 7, 1970 Bearing N 50W Lat. Collar El. Logged by G. Finn Dato April 12, 1970 Started Bottom El. Remarks Completed April 13, 1970 Angle from Horiz, 50 Dep. Length 426 Location Lovel Driller Mid-West RECOVERY Graphic Footage Sample ASSAY From . To DESCRIPTION Interval No. pol Ft. % From Cu Аα Λu Zn 172 198 26 26 Sharp contact Light-green metagabbro, with intermittent zones of rich white plag. minor fracturing pyr. disseminated, with scattered blebs of cyp. Some blue cordicrite is also present 228 30 Med. fine grained greenstone (216-232): 193 30 2551 228-234 61 Examined-not worth showing very tight falping and fracturing sending for assay with qtz. filling and rich in chlorite pyr. disseminated with minor pyrrhotite; scatter blebs of cyp. throughout: Plus minor amounts of magnetite. Transitional zone. Intermediate zone of meta-gabbro: coarse-228 234 6 grained pyr. disseminated: slightly magnetic 246-251 234 266 32 32. Massive fine-grained greenstone with an 2552 51 Ħ intermediate zone (251-57) of coarseн 2553 256-261 11 grained metagabbro: Minor fracturing: Pyr. disseminated: Magnetite sporadic: No visible signs of cyp.

SHEET 3 OF 5 SHEETS

started /	April 7,	1970	Bearin	g 1	V 50 W	Int.	Collar El.	V	1.	ogged by G.	Finn		Dato A	pril 12	., 19
	April 13		Angle	fror	n Horiz, 50	Dep.	Bottom El.		13	enurks	by agent of tracks that the new 1818				
Priller M	id-West		Length	1 4	126	Lo .:t!on	Lovel				eset a persona considera		117.711111111	ing managara	gramanaria
	lago		ECOVI.	1	Graphic	DESCRI	PTION		Sample No.	From - To	Interval		ASSAY	ļ	
From	To			6	Iog			4		266-273	7' N	. Cu	Ag	Au	Zn
266	302	36	36				tone: minor fra sseminated, 15-	4				02			10
				-		te: No signs				276-282		I	. 28		.00
	}			} !		•	• •].	2556 2557	282-286		1	hed-not		
					-	AME finor fracturing, filled with qtz. + cor					51	sendi	ig for	assay	<u> </u>
302	342	40		1	SAME					296-301	51	i e	1.6		0
					1 1	racturing, iil ghly magnetic		coraier -		306-311	51		ed-no		
									316-321	5!	sendi	g for	assay		
	Becoming more							2561	326-331	5'	11	11	tt		
	Ì							-	2562	331-336	51	"		11	
									2563	336-341	5'	11	11	11	
								-				<u></u>			
3.42	400	58		\dashv	Predom	ninantly medic	ım-coarse grai	ned	2564	342-347	5'		- 11	11	<u> </u>
							ermittent zones		2565	352-357	51		"	11	
•					fine-gr	ained greenst	one: Minor fra	cturing -		366-371	51	"	"	11	
	local filling. M Some bluish cor							2567	7	5'	,,		,,		
				+			some blebs of s		°2568	382-387	5'	11	11	- (1	
						·				387-392	51	41	11	"	
								1"				nı	30	Te	
								1		392-397 397-400	51	O1	. 30 ined-no	Tr t wo	r

sending for assay

urted An	ril 7, 1	1970	Den	ring	N!	50W	Lat.	Collar El.	1.	ogged by G.	Finn		Dato A	oril 13	, 19
	***************************************	3, 1970	-1			Ioriz 500	Dep.	Bottom El.	1	emarks				w **	
	id-We		~	igth			Location	Level							· was town in the
Foot	ago		RECO	VERY	Gı	raphic	DESCRIPTION		Sample No.	From · To	Interval		ASSAY		
From	To	 	Ft.	%		Log									ļ
400	426	26					i-coarse grained i sseminated: No s	netagabbro, mino igns of mineral-							
						ization			2572	402-407	51	i. Eλamin	ed-not	worth	
												sending	for	assay	
											~~~~				
	•				Ì										
						,			* *********		***************************************				
		-			-	<u> </u>						}			
									*********						
									*****		-The direction was a second of			·	
							t.		***************************************						
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SHEET 5 OF 5 SHEETS

COMPAN	y Sci	irry-Ra	inbow	011	Lin	nited	PROPERTY	Briar	Court, Ontario			Sect	ion No.		HOL	E No. B	.c. 3
Started	April 15	1970	Bet	aring	N	40 E	Int.	1000 estare 1000 P - 0100	Collar El.		Log	ged by G.	Finn		Dato A	pril 2	1- 26
Completed	April 2		An	gle fr	on I	Ioriz. 500	Dep.		Bottom El.		i	narks	,				
Driller	Midwest		Lei	ngth .	3+00	\$ ^t 4+00	Location		Lovel								
Fo	otago		RECO	VERY			DESCRI	(DTION	. Brit Busser 69 dar - injudi garn drudf big die subresse meldfirt inges habe	Sam		From · To	Into-mal.	1000	ASSAY	,	
From	То	Interval	Ft.	%		Log				No.		1.10111-10	Interval Ni	Cu	Zn	Au	Ag
0	72	0.B.				Overburd	en - sand, gr	avel, g	ranitic boulders	} 			*******				
		1 1		-		- up to	7' in diamete	r		:							
												,					
72	126	54	54	}			minantly dark green amphibolite rock astone) with intermittent alteration of cpidote: Fine-grained. Highly										
						(greenst	one) with inte	nt alteration									
						fracture	coney with intermittent afteration of cpidote: Fine-grained, Highly ed, filled with calcite: Shearing Minor qtz. veins: Pyr.										
						1	•										
							ated. Also r mineralizati	cordierite: No									
						3 19113 01	mineralizati	011.									]
		,							,								
176	193		·			As above	. Coarse to f	ine gra	ined. Increase No signs of	2582	2 1	69 - 174	5	. 02	. 01	Tr	. 20
						n pyr. S	shearing 500 . zation. Grada	- 70°. I tional	No signs of change.	2583	3 1	73 - '76	3	. 01	. 01	Tr	. 30
•							actom ordan	o roma i	onango (	2584	1 1	76 - '81	5	. 005	. 01	Tr	. 14
												81 - 186	5	. 01	.01	Tr'	. 26
												86 -193	7		.01	Tr	. 24
												-Y-X				<del>  •••</del> •	1.24
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sheer 1 of 5 sheets

COMPAN	Y Scurr	y-Rainl	MOC	Oil L	imi ted	PROPERTY	Briar	Court, Ontario		Sec	tion No.	//	HOL	E No. B	C. 3V
Started	April 15	, 1970	1	earing	N 40 E	Lat.	*	Collar El.	] 1	Logged by	G. Finn	or and the later of particle	Dato A	pril 2	21- 26
Completes	April 2	4, 1970	) /	ngle fi	om Noriz. 50° ine St.	Dep.		Bottom El.		Remarks					
Driller	Midwest		I	ength	ine St. 3+00 4+00	Location		Lovel							
Fo	otage		REC		Graphic	wani inani			Sampl	ld			ASSAY		
From	To	Interva	F	. %	Log	DESCI	RIPTION		No.	From · To	Interval	Cu	Zn	Au	Ag N
196	239	43	43					se grained meta-	2587	196 - 99	3	. 03	.01	Tr	. 20 -
					gabbro,	with intermi Moderately fr	ttent pa actured.	tches of green- calcite filling	2588	203 - 1	5 3	. 03	.01	Tr	. 08 -
								ered blebs of	2590	211 - 16	5	. 03	.01	Tr	. 18 -
239	251	12	12		fractur	ontact: Diab ing: Calcite sseminated		: Minor Fine-grained							
251	277	26	26		metagab	ontact, medium bro: Minor fron nated with sc	acturing	: Pyr. & Pyrr.	2597 2599	251 - 50 261 - 60		. 13	.01	1	. 24 -
277	289	12	12			ontact, diaba	se dyke	mindomino are montre manno de cambre e cambre. ,							
•	·														
289	307	18	18		fractur   dissemi	to coarse gra ing: Calcite nated: Blebs onal Contact:	filling: of cyp.	agathro: Minor Pyr. & Pyrr. scattered:							,

SHEET 2 OF 5 SHEETS

tarted A	pril 15,	1970	Bearing	: N 40 E	Lat.	Collar El.		Logged by G.	Finn		Dato Ap	oril 2	1 - 28
ompleted	April 2	4, 1970	Angle	from Horiz, 50 ⁰	Dep.	Bottom El.		Remarks		~			
riller	Midwest		Longth	Line St. 3+00 4+00	Location	Lovel		entres on the entres of the state specific state of	* -*** *****				
	tago	Interval	RECOVE	RY Graphic	DESCRIPTI	ON	Samp	From To	Interval		ASSAY		
From	То		Ft. %				No.	210111-10	Intervat	Au	Λg	Cu	Zn
307	328	21	21	fractu	rained, dark green red, calcite filli inated: No signs o ional change:								
328	340	12	12	calcit	e filling: Shearin	bro: minor fracturin g 40 - 60' minor gns of mineralizatio							
340	375	35	35	ing; sm	all folds, calcite z veins: Schistosi	, very tight fractur filling with minor ty 30° - 50°. Pyr. red blebs of cyp.	2716 2717 2718 2719	348 - 50 350 - 55	2 5	Tr Tr Tr	. 32	1	.01
375	425	50	50	interm   fractu	inantly medium-gra ittent patches of ring, calcite fill inated, high to lo	ing, minor pyrite			·				
425	456	31	31	Modera   pyr. d	o light greenstone tely fractured, ca isseminated, moder ns of mineralization		d:						

SHEET 3 OF 5 SHEETS

Started	April 15	, 1970	Ben	ring	N 40 E	Lat.	Collar El.		Logged	by G,	Finn		Dato /	April	21 - 26
Completed	April 2	4, 1970		gle fro	om Horiz, $50^{0}$	Dep.	Bottom EL		Remark						
Driller	Midwest				Line St. 3_+_004+00	Location	Lovel							J. B 1	
Foo	otago		RECO'		Graphic	DESCRIPTION		Sam		m • To			ASSAY	· .	
From	То	Interval	Ft.	%	løg ·			No.			l Ni	Cu	Zn	Au	Ag
456	486	30	30			o coarse metagabbro of greenstone: Minor filling with minor q	rracturing,	t 272	0 _ 469_	70_	1 -	.04		Tr	.18
486	496	10	10		of quart	canic rock with inte z: Fine-grained, min	or fracturing:	1	1 486 2 491		ì	02	i	i	
					blebs of	• .		a de 1001 de	491	- 30	3 Ti	01	Tr.	.010	5,98
496	505	9	9 .		Minor fr	ro, seems to have be acturing, with calci ated, sharp contact		d: 							
505	519	14	14		calcite	ne: Fine-grained min filling: Shearing 1 r. disseminated: Pyr s: (516 - 18) cherty ity 40° - 50° to the	l to core axis:   r. along								
519	520	1	1			zed metagabbro: Shea crumpled.	r zone: Fine								

urled A	pril 15,	1970	Bear	ing	N 4	40 E	Lat.		Collar El.		Iot	ged by	G. Finn	1	dato Af	oril 21	1 - 2
	April 24		Ang	le fro	m I	oriz. 50 ⁰	Dep.		Bottom El.			narks					
iller	Midwest	.,	Leng	gth	Lin	e St. 0 4+00	Location		Level				applications and the second				
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SHEET 2 OF 5 SHEETS

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271	286	10	10		Chloriti	one coarse grains more mafic.  coarse grains more mafic.  cs. 30° with core not mineralized				·				
286	292	61	6'	·	approxi	e schist eenish - highly sh mately 40%. Mos ar shape)								

theer 3 or 5 sheets

started A	pril 25		Bea	ring l	1 40 E	:	Lat. 1+00 W	Collar El.		Logged by	R.D.		Dato Ar	oril 29	), 191
Completed	April	30	Δng	de fro	m Horlz	. 50NW	Dep. 12+00 S	Bottom EL		Remarks					
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367	372	5'	.51				ey very fine grain c. No sulphides	ns int. volcanic							
372	407	10'	10'		m N	assive ot min	h grey medfine eralized identical but coar								
407	49 1	10	10		1 1		h grey medcoa ite + chalco at 46		_27.3.	3 460.5 461	.51	Tr	. 14	. 03	. 01

SHEET 4 OF 5 SHEETS

Started	April 2	5	Beau	ing	N 40 E	Int. 14 1 1	Collar El.	1	ogged by R	D		DatoA D1	il 29	197
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Oriller ]	Midwes	t	Leng	gth	596	Location 12400 S	Lovel			neretrare contr			·FW07.22	
l'oot		Interval	RECOV		Graphic	DESCRIPTIO	•	Sample	From To	Intornat		ASSAY		
From	To	Interval	Ft.	%	Log.	D1250111 110		No.	ļ	Interval	Au		Cu	Zn N
491	520	10	10		Shearing	reenstone slightly g 60° with core for ccasionally no	elsic and quartz	2734	515-520	5'	Tr	, 20	. 01	. 01 •
520	546	10	10			ared at 528530	ring. 60° with core with disseminated		528-530	2'	Tr	Tr	. 01	. 01 .
546	596	10	10		more fe Very lig	medium metagab Isic bands ht color	oro with slightly							
	596				End of t									
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SLEET 5 OF 5 SHEETS

tarted	June 9.	1970	Bea	ring	N=	40° W	Lat. 2 + 50 N	Collar El.		10	gged by	R-D	r	Dato ;	June 1	4, 19
Completed			1			Ioriz _60°	Dep. 1 + 00 E	Bottom El.		Re	marks No	tminera	• •			
Priller	Midwest		Len	gth	366	1	Location Block D	Lovel								
Foot	age	Interval		ERY		raphic	DESCRIPTIO	N	Sam		From · To	Interval		ASSAY		
From	To	mervai	Ft.	%		Log.	DESCRIPTION		No.	<u>.  </u>	F10/11-10	interval				1
o	51.0					Overburd	ien, sand and lar	ge boulders								
51.0	92.0						olwish grey - finer banded dissem-		on							
92.0	101.0															
101.0	145.0															
145.0	168.5					Very lig	tht grey, coarso as Finer texture			_ 1	158-160.5					

COMPANY	Seur	ry-Raiı	wodn	Oil	Limi	Ltod	PR	or	ERTY		Bria	r Court			Sec	lion No.		110	DLE NO	·BC	<b>-1</b> 1-C
Started	June 9,	1970	Bear	ring	N -	40° - W	Lat.	2	. + 50	) ]	N	Collar El.		1,	ogged by	R-D		Dato	Jun	0 1	4, 19
Completed	June 12	, 1970	Ang	le fr	om II	ioriz60°	Dep.	. 1	+ 00	)	E	Bottom El.		R	emarks	Not min	orali	zed			
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180.5	234.0											pyrite-pyrrhoti									
266.5	333.0					209 219 233.5-23 Light gr	ey,	mo atr	pyrrh chalc no sa Shear pyrrh re fe ix wi	ot: op; implied ot: ls:	ite in yrite le , more ite ch	pyrite-pyrrhoti quartz veins - one speck, rhyolite, fine alcopyrite sive material, par porphyryes.	24	119	233.5-234	.5					
333.0	341.0					Coarse (dissemin						nics. Massive te									
341.0	344.0					Fine lig				ma	fic. v	olcanics with									

SHEET 2 OF 3 SHEETS

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ompleted	June 12	, 1970	Ang	io fr	om 1	Horlz600	Dep. 1 + 00 E	Bottom El.	1	Remarks	Not mine	ralized	. <del> </del>		
riller	Midwest	,	Len	gth	366	1	Location Block D	Lovel							, 412-141
Foot	ngo		RECO	VERY			DESCRIPTION		Sampl	Fron: To	Interval	A	SSAY		l
From	To	Interval	Ft.	%		Log.	DESORIE TION		No.	37011.20	Interval				ļ
344.0	366.0					porphyri grained	nedium-grained mafic itic in places with bands. Scattered ca to core. Not mineral	several fine alcite veins							
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FINAL REPORT

BRIAR COURT MINES COPPER PROSPECT

EXPLORATION PROGRAM

WATCOMB CLARKDON DISTRICT

STURGEON LAKE AREA, ONTARIO

N.T.S. Ref. 52 G/11

BY

J. DUANE POLIQUIN, P. ENG.

SENIOR GEOLOGIST - METALLICS

MINING DIVISION

SCURRY-RAINBOW OIL LIMITED

JULY 2, 1970

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020C

#### SUMMARY

The Briarcourt Mines Ltd. copper prospect near Sturgeon Lake, Ontario was examined in October, 1969 by W. C. Cheesman, Chief Geologist, and subsequently optioned. Work began with linecutting and geophysical surveys over the entire property, followed by diamond drilling. All work was completed June 14, 1969 with a total cost of \$105,470.39. Eleven B.Q.W. holes totalling 5,036 feet were drilled on E.M. anomalies in two areas, along a mineralized shear zone and along a favourable rhyolite-greenstone contact. Hole B.C.1 intersected an interesting but subconomic zone which was investigated to depth and along strike and cut off in all directions. Hole B.C.6 intersected ore grade mineralization across 0.2 feet. Holes along strike and to depth had no significant intersections. Several mineralized areas were investigated by geological means and did not warrant diamond drilling. It is concluded that the property was a good prospect but investigations have thoroughly eliminated all ore zone possibilities and no further work is recommended.

#### INTRODUCTION

This report presents the results of a comprehensive exploration program conducted on the group of claims optioned from Briarcourt Mines Ltd. in the Sturgeon Lake area of the Patricia Mining Division, District of Kenora, Ontario. The program consisted of geophysical surveys, geological reconnaissance and over 5,000 feet of diamond drilling. This work is completed and all staff, contractors, and equipment are now off the property.

#### LOCATION AND ACCESS

The claims herein described are located just west of the Savant Lake road approximately two miles southwest of Sturgeon Lake and 40 miles north of Ignace, Ontario.

The claims are easily accessible by 4-wheel drive vehicle by utilizing an abandoned railway spur that traverses the entire group from northeast to southwest and intersects the Savant Lake road near the southwest end of Sturgeon Lake about 1 mile from the northern end of the Briarcourt group.

The Canadian National Railway from Fort William to Sioux Lookout and Winnipeg is situated about 3 miles west of the claim group.

During the course of drilling, the abandoned railway spur line was made into a good access road and approximately 10 miles of drill road, suitable for bulldozer and swamp buggy, were cut. These drill roads provide access to every part of the property. A location map showing all roads is included in this report.

#### GEOLOGY

The area is a few miles distant along strike from the recently discovered Matagami-Abitibi copper-zinc ore body. Underlying rock types include granodiorite to the northwest, metavolcanics (greenstone), metarhyolite along the extreme north boundary of the property, and gabbroic dikes. A regional shear zone cuts through the property at N  $50^{\circ}$  E.

Sulphide minerals including chalcopyrite, pyrite and pyrrhotite occur along the shear zone. One strong E.M. anomaly was found along this shear zone and subsequently drilled. Chalcopyrite and molybdenite were found along the rhyolite-greenstone contact on the northern part of the property, associated with weak E.M. anomalies. Weak chalcopyrite-molybdenite mineralization is disseminated through the granodiorite on the northwest part of the property and all these zones are discussed under EXPLORATION PROGRAM.

#### EXPLORATION PROGRAM

#### (1) Initial Reconnaissance

The property was initially examined in late October, 1969 by W. C. Cheesman, who recommended acquisition of the property, line-cutting followed by a combined electromagnetic and magnetic geophysical survey, and diamond drilling of significant anomalies.

### (2) <u>Linecutting</u>

A contractor was employed to cut 85.5 line miles of grid at 200 foot intervals. Scurry-Rainbow personnel did some additional

linecutting on a detailed portion on block "D" and "H" of the master grid plan.

#### (3) Geophysical Survey

#### (a) Electromagnetic Survey

Crone J.E.M. equipment was used to survey the property.

V.E.M. equipment was used to detail J.E.M. zones. Readings were taken every 100 feet along the precut lines. Anomalous areas were detailed with readings every 50 feet.

#### (b) Magnetometer Survey

The magnetic survey was carried out with a M-700 McPhar instrument which measures the vertical magnetic field with a flux gate system. The E.M. lines and stations were used and magnetic contour maps were prepared.

As a result of these surveys, one fairly strong E.M. anomaly, and several weak anomalies were outlined and surveys on a detail grid confirmed and defined the results on the strong conductor on claim 4/105, some anomalies with fair magnetic correlation were defined. Diamond Drilling was recommended by D. R. Doal, Company Geophysical Supervisor, in his evaluation of geophysical results.

#### (4) <u>Diamond Drilling</u>

Midwest Diamond Drilling of Winnipeg were contracted to do 5,000 feet of BQWL diamond core drilling. They moved on the property March 27, and moved off the property Sunday, June 21, with a total of 5,036 feet of drilling completed in 11 holes. Difficult overburden consisting of sand and boulders caused holes BC-3, BC-11a and

BC-11b to be lost. Drill location plans, drill logs and sections are appendixed to this report. The results of drilling are tabulated below. The work was supervised on the property by D. R. Rota, geologist, with G. Finn, geologist, assisting for a period of  $1\frac{1}{2}$  months. The writer supervised the field work frm Calgary by means of periodic visits and daily telephone contact. Dip tests were taken and no significant deviation of holes is indicated. The core was stored outside at Young Lake Lodge. A summary of the drilling program follows.

Hole	Co-ord.	Direction	<u>Angle</u>	Depth	Purtose	Intersections	Comments
BC-1	0 + 00 2 + 00E Detail Grid	N 40° W (true N)	<b>-50°</b>	<b>497'</b>	To ( tersect the best section of the best anomaly on the property	Assays    Int   Au   Ag   Cu   Zn	191.0-196.0 - 36 Ni
BC_2	6 + 00S 3 + 00E Detail Grid	N 40° W (tras N)	_50°	4261	To intersect the same anomaly as BC-1, 600' along strike	This hole contained widely scattered grains of py. and wider .256 cpy. but there was no definite mineral zone and no significant assays	
BC-3a	3 + 00S 4 + 00E Detail Grid	N 40° W (true N)	-50°	7031	To intersect the zone found in BC-1. 300' along strike and 150' down dip. in case there was a steep plunge to the zone	This hole contained widely scattered traces of sulphides but there was no definite mineral zone and no significant assays	BC-3 lost in overburden
BC_4	12 + 00S 1 + 00N Detail Grid	N 40° W (true N)	-50°	5961	To intersect the possible intersections of vertical and horizontal loop conductors which were not co-incident	This hole contained scattered traces of py., pyrr., and cpy. but no significant assays were obtained	,
BC-5	128 + 00N 122 + 00E	N	-50°	3861	To intersect a weak anomaly on the basic velcanic-rhyolite contact	This hole intersected scattered short sections of diss. py. pyrr no significant assays were obtained	
BC-6	127 + 50N	N -	-50°	<b>'426'</b>	To intersect a weak anomaly on the basic volcanic-rhyolite contact	This hole intersected short sections of pyrite, pyrr., and cpy. along fractures in a shear zone on the contact - a very similar situation to the Matagari ore zone  266.7-266.9 - 4% cpy. very slight py 0.2   .01   1.82   1.60   286.3-288.3 - 1.5% cpy.   2.0   Tr. 0.58   0.59   363.7-368.5   3.1   Tr. 0.29   0.41	Drilled slightly down dip as formation dipped -75° N. Other sulphide intersections had no significant assays
BC-7	131 + 35N	s	<b>-</b> 65°	517'	To intersect the mineralization cut in 3C-6 from proper direction at about 150° below 3C-6	This hele intersected in short sections of pyrite, pyrr. and cpy. but nothing stronger than BC-5  Int Au Az Cu Zn  201.8-202.3 - 2% cpy25% sph. 0.5 Tr54 .87 .11	Other sulphides inter- sections had no signi- ficant assays
BC-8	131 + 50N 112 + 00E	s	-50°	2661	To intersect a weak anomaly on the rhy- olite basic volcanic contact which coin- cided with old trenches containing py. and cpy.	This hole intersected short sections with less than .8% coy. and 5% pyrr. No significant copper or mickel assays were obtained	
BC-9	121 + 75N 116 + 00B	s	-50°	3261	To intersect a coincident V. E. M. and Mag. anomaly close to granite-volcanic contact	This hole intersected widely scattered short sections contain- ing pyrite on fractures and on disseminations. Tramps of coy. were observed from 91-92.3, 142.2-143. There were no signifi- cant assays	•
BC-10	131 + 50N 134 + 00E	S	-50°	527*	To intersect a weak anomaly on the riy. mafic. volcanic contact	This hole intersected widely scattered short sections containing 1% - 5% py., pyrr., and traces of cpy.	*Assays not returned yet but will not be
BC-11C	2 + 50N 1 + 00E Detail Grid	N 40° W	<b>-60°</b>	3661	To intersect the anomaly and mineral zone cut in BC-1, 250' east on strike	This hole intersected scattered short sections of py., pyrr., and cpy., with a definite Mineral Zone bearing py., pyrr., and trace cpy.	significant  *BC-11A and 3 were at 2 + 00N. 1 + 00E 3 -50° but were lost in over- burden. Assays not returned yet. but will
			•				not be significant

^{*}July ?, 1970 - Assays from BC 10 & 11 are back and are not significant

#### (5) Geological Investigations

#### (a) Claim 47103

This area was prospected by D. Rota, geologist, to investigate copper mineralization associated with shearing as shown on government maps. Exposures are limited, but where outcrop exists on the shear zone, mineralization consisted of less than 1% pyrrhotite and trace chalcopyrite. There was no coincident geophysical anomalies and the area was not considered worthy of exploration by diamond drilling.

#### (b) Claims 45970 - 45974

These claims are underlain by granite and were explored previously by Steep Rock Iron Mines by means of geologic mapping, magnetometer surveys, trenching and sampling. Sampling of over 80 trenches did not give any significant assays in copper or molybdenum. The overall average from these trenches is 0.03% copper and 0.019 MoS₂. The best assays come from an area 140 feet by 90 feet. These averaged 0.10% copper and 0.022% MoS₂. However, the whole area was examined by D. Rota and myself and 10 definite zone or association with shearing exists. There is no potential for a significant lode type mineral zone and the area is not worthy of investigation by drilling.

#### (c) Claim 221018

On the claim there is a narrow shear zone through unaltered gabbro, from 1.0 to 2.5 feet wide dipping south carrying near massive chalcopyrite for a strike length of 25 feet. After an

interval of 15 feet to the east the shear zone reopens with some small blebs of massive chalcopyrite in it. A packsack drill hole was drilled under the best section and did not intersect mineralization. Under these ideal conditions the Crone J.E.M. would have picked up any conducting mineralization but there is no anomaly over this zone. Bulldozer trenchin did not pick up any extensions and on the steep western side of the outcrop the zone can be seen to pinch out in about 10 feet of depth. It was concluded the zone is surficial and not significant, therefore no drill hole was spotted to test this zone.

#### (d) Claim 46100

On this claim in the extreme northwest corner of the property a single line E.M. anomaly occurs on line 106 E, 35+50 N. This was exposed by bulldozer trenching and found to consist of pyrrhotite mineralization accompanied by traces of chalcopyrite. Drilling was not warranted.

### COST SUMMARY BRIARCOURT OPTION

Geophysical Surveys and Line Cutting	\$ 26,291.62
Road Building	3,408.20
Geological Supervision and Mapping	19,165.83
Diamond Drilling	54,626.59
Assaying Costs	1,978.15
TOTAL	\$105,470.39
	<del></del>

#### CONCLUSIONS

This property was an interesting and worthy prospect but all potential ore zone have been fully investigated utilizing geological and geophysical techniques as well as diamond drilling, costing \$105,470.39. A mineralized E.M. conductor associated with a shear zone and weak E.M. conductors along a favourable sheared and mineralized greenstone rhyolite contact were the main situations investigated. Although copper mineralization was found, it was never of ore grade or width and all putential trends of these zones along strike and to depth were investigated. There is no further potential on this property.

#### RECOMMENDATIONS

No further work is recommended on the Briarcourt property.

Respectfully submitted:

J. D. Poliquin
Senior Geologist, Metallics

### PERSONNEL SUMMARY

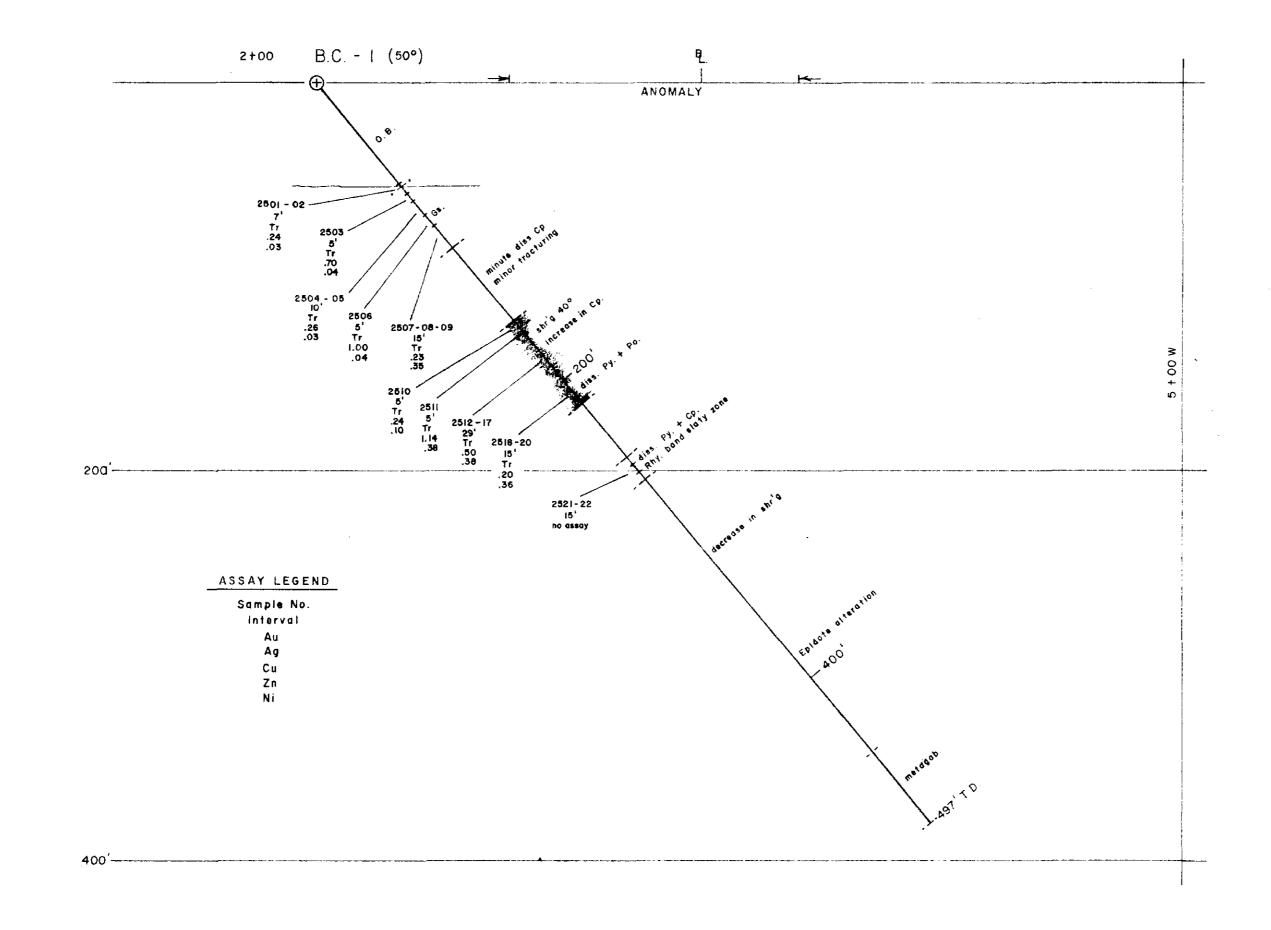
Job	<u>Personnel</u>	Period	Days
Linecutting	Contracted G. Potter, Kirkland Lake Ontario		
	Company - Douglas Moore, Calgary, Alta. G. Patterson, LaRonge, Sask.	Nov. 9-29/69 Nov. 9-29/69 Jan. 12-19/70	20 20 7
Geophysics	J. K. Lytle - 539 - 8th Avenue, SW Calgary, Alberta	Nov. 9 - Dec.15/69 Jan. 8-19/70 May 14-18/70	37 12 4
	I. Loranger - 539 - 8th Avenue, SW Calgary, Alberta	Nov. 9-Dec.15/69 Jan.8-19/70	37 12
	G. Patterson, LaRonge, Saskatchewan D. Doal - 153 Holland Street, H.W. Calgary, Alberta	Dec. 1-15/69 Nov.11-Jan.19/70 May 14-18/70	15 20 4
	G. Mitchell	May 14-18/70	4
Geology & Drill Super- vision	D. Rota G. Finn	March 27-June 14/70 March 27-May 3/70	80 38
Overall Supervision	W. C. Cheesman	Oct. 29-30/69 April 1-5/70	2 4
of Property	D. Poliquin	April 1-5/70 April 21-25/70 April 21-25/70 May i3-19/70	4 4 6
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# FOR ADDITIONAL

INFORMATION

SEE MAPS:

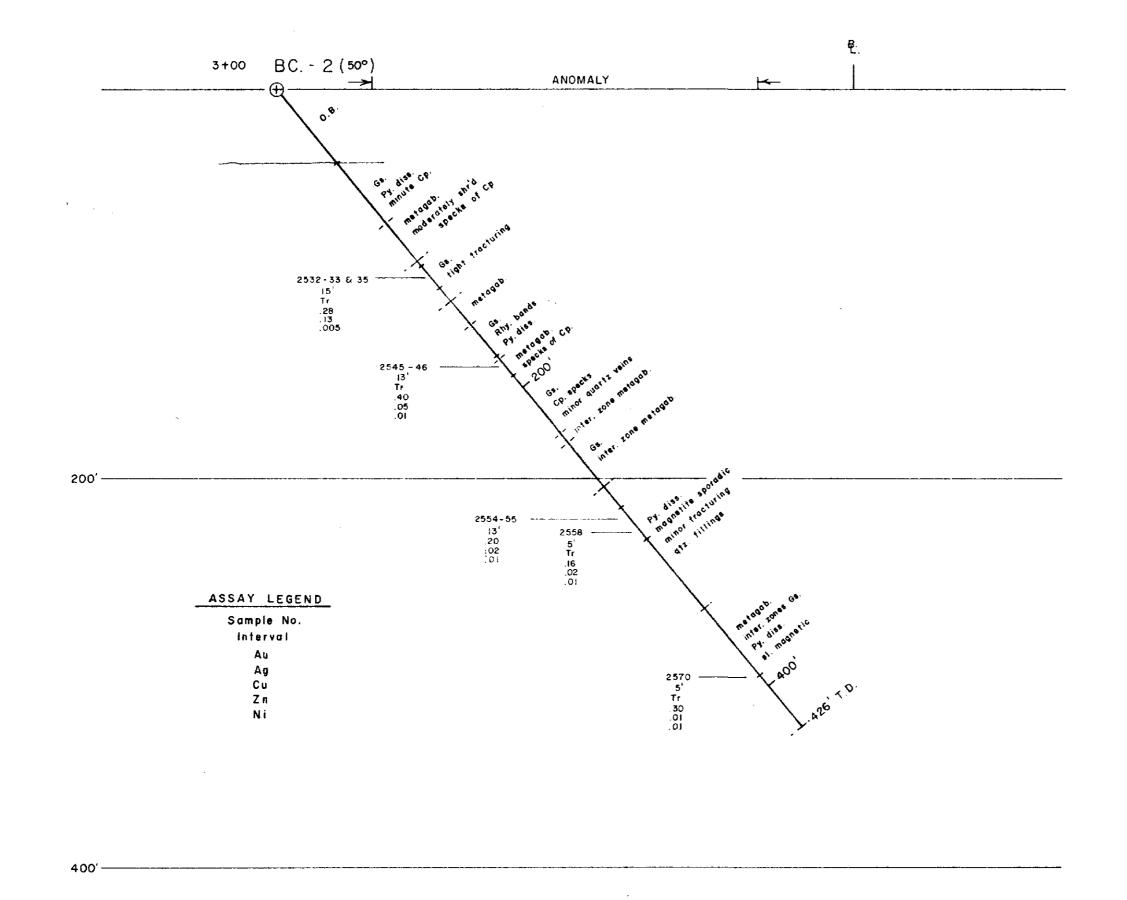
52G/145E-0016 #1-8





52G/4SE - 00/6 #1 1BOW OIL LTD. SCURRY-RAINBOW OIL LTD. DRAWN G. FINN SCALE | - 50' Looking - West DATE MAY 12/70 TRACED BRIAR COURT OPTION APPROVED FILE NO. B.C. 2-4-1 ONTARIO



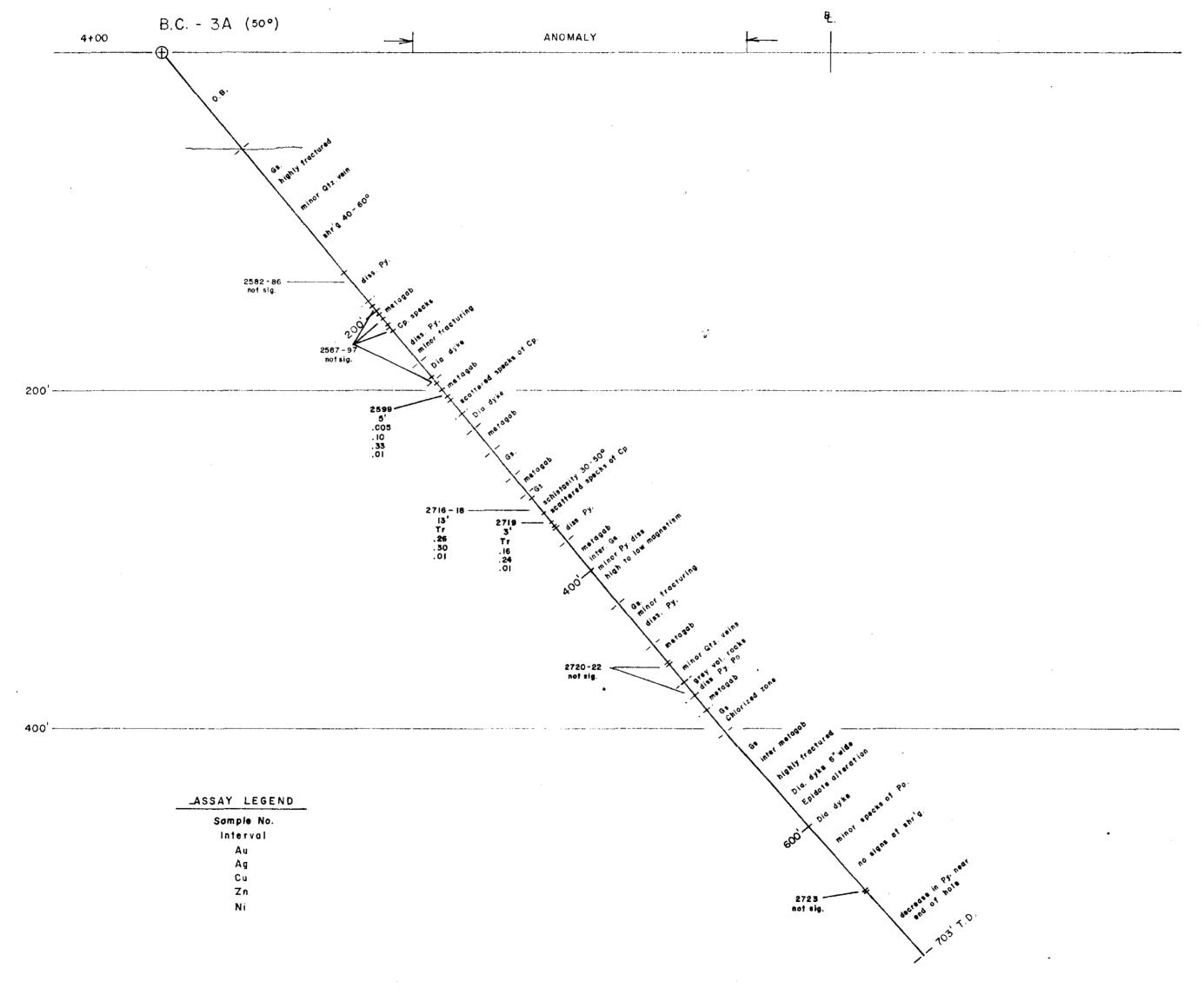


52G/14SE-0016 #2

DRAWN G. FINN	SCALE   "- 50"	SCURRY-RAINBOW OIL LTD.
TRACED	DATE MAY 12/70	BRIAR COURT OPTION
APPROVED	2	ONTARIO

SECTION 6 + 00, BC. - 2 Looking · WEST

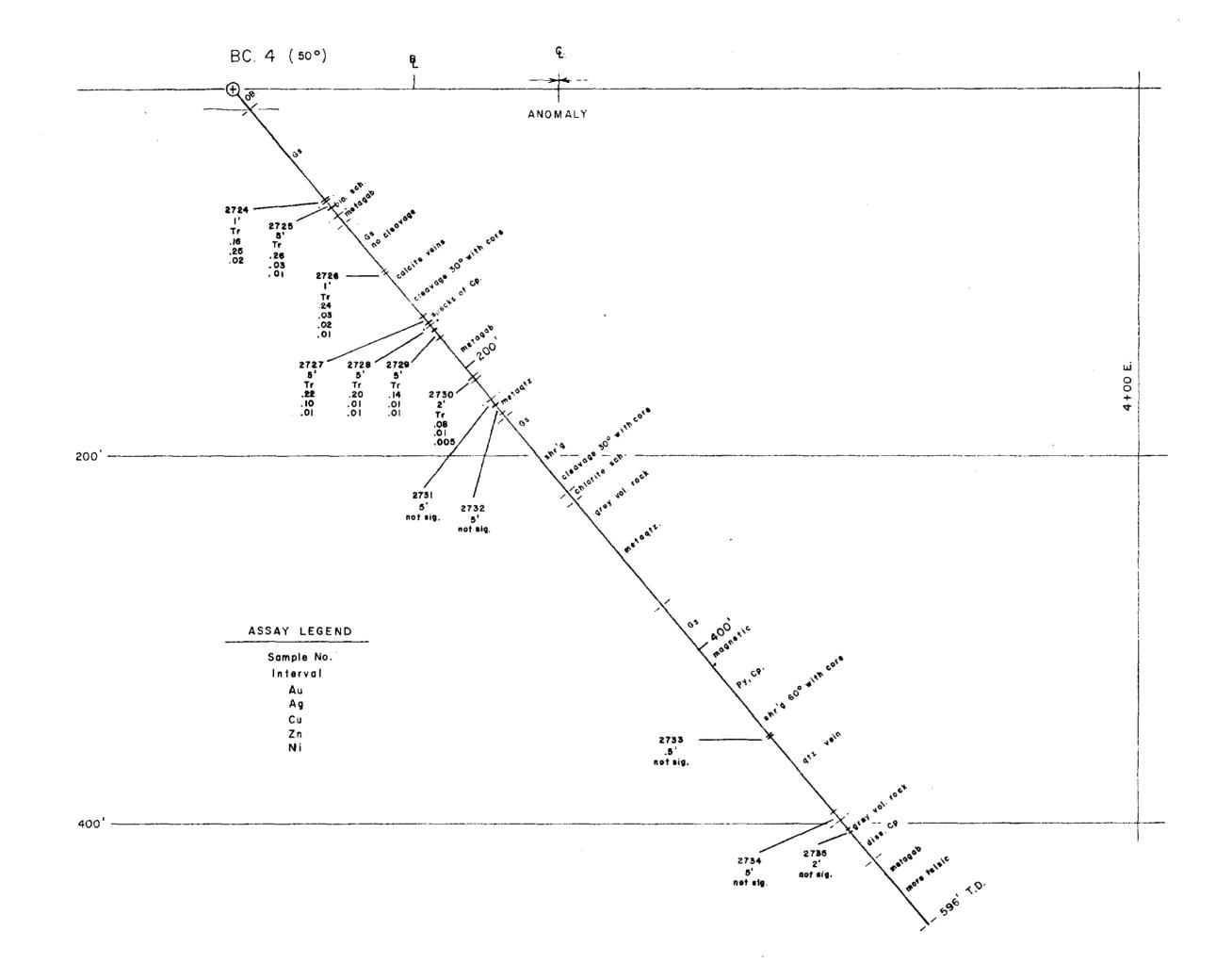
FILE NO. BC. 2-4-2



52G/14SE_00/6 # 3

52C14SE0030	52614SE0016 VAL	ODA LAKE

<b>DRAWN</b> G. FINN	<b>SCALE</b>   " - 50'	SCURRY-RAINBOW OIL LTD.	SECTION 3+00S, BC. 3A
TRACED	DATE MAY 13 / 70	BRIAR COURT OPTION	Looking - WEST
APPROVED		ONTARIO	FILE NO. BC. 2-4-3

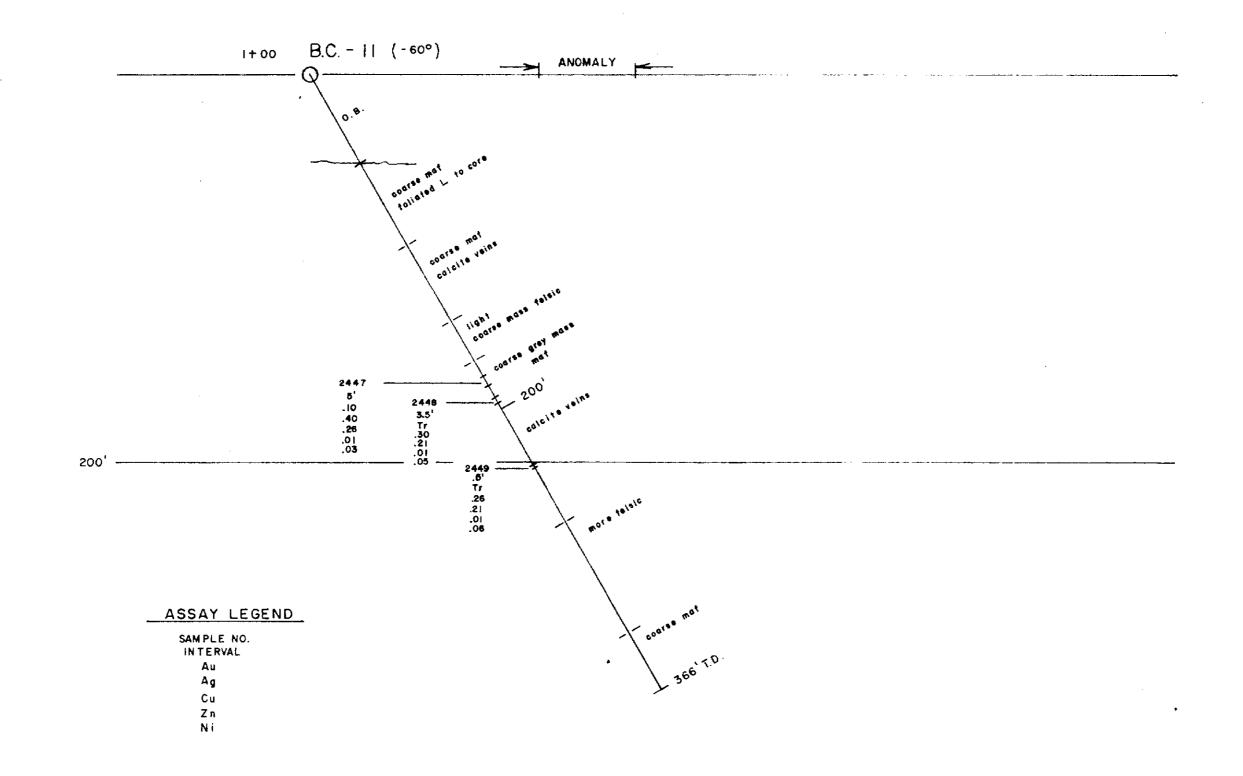




52G/14SE-0016 #4



DRAWN G. FINN	SCALE   " - 50"	SCURRY-RAINBOW OIL LTD.	SECTION 12+00, B.C 4
TRACED	<b>DATE</b> MAY 13/70	BRIAR COURT OPTION	Looking-WEST
APPROVED		ONTARIO	FILE NO. BC. 2-4-4





Looking ---- WEST

52G/14SE-00/6 #5 INBOW OIL --

SCURRY-RAINBOW OIL LTD. SCALE 1"- 50' SECTION 2+50 N, B.C. -11 BRIAR - COURT OPTION DATE June / 70 FILE NO. BC. 2 - 4 - 10

DRAWN D.R. TRACED APPROVED ONTARIO

