

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	Geochemical CORE SAMPLES							
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	Zn	Ag
		235 - 236	Altered arg. carbonate and oxides, broken core.							
		237 - 241	14	238	239		24	18	17	0.5 ppm
		241 - 292 ⁵	Calcite Dyke or Sill, porous, minor oxide.							
		242 ⁵ - 243	Pinkish soft clay-like rocks, arg. with calcite.							
		244	Qtz. vein 2" with assoc. pyrite cubes @ 30° to C.A.							
		245 - 251	Banded qtzite & arg. @ 70° bands up to 8", minor slips @ 50°.							
		251 - 252	Dirty Qtz. vein slip @ 40°, no mineralization.							
		253 - 254	Thin banding @ 70°.							
		254 - 256	Qtzite & Qtz. veining (?).							
		256 - 257 ⁵	Thin banding with pyrite along bands.							
		257 ⁵ - 264	Arg. & qtzite bands @ 70°, slip @ 50°.							
		265 - 267 ⁵	Broken arg. somewhat altered in spots, slips @ 0 - 20°.							
		267 ⁵ - 272	Broken core, 3.5' L.C. Altered arg. fault gouge, some carbonates.							
272	340		Area of broken and L.C., mainly argillite & qtzite.							
		272 - 274	1.0' L.C., carbonitized arg. slips @ 80 to 90°.							
		274 - 277	15	267 ⁵	277		22	17	26	0.5 ppm
		277 - 278	Bleached arg. grading into normal arg.							
		278 - 280 ⁵	Arg. & sil. arg. - broken core fracture @ 70° to 90°.							
		280 ⁵ - 282	Broken core, arg.							
		282 - 284 ⁵	Banding @ 70°, slip @ 50°, bands have been displaced, dissem. pyrite.							
		284 ⁵ - 287	Arg., broken core slips @ 50° and 70°.							
		289 - 293	Fractured and broken arg., some slickensides parallel to C.A., rough banding @ 60 to 70°.							
		293 - 206	Sil. Arg. B.C. fractures throughout, chlorite on slips.							

IMPERIAL OIL ENTERPRISES

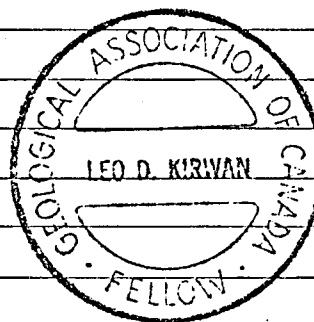
DIAMOND DRILL LOG

HOLE NO. K-1 PAGE 14

FOOTAGE		DESCRIPTION	Geochemical CORE SAMPLES							
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	Zn	Ag
		911 - 913 1/4" Calcite vein with galena, chalco, pyrite, pyrr.								
		913 - 916 Sil., arg. interbanded with qtzite & arg., banding @ 80 to 90°.	23	913	914		175	2360	99	5.7 ppm
916	982	Essentially arg. with bands of sil. arg. & possibly some qtzite, some of rock has limey parts, possibly due to calcite threads, little or no pyrite or pyrr.								
		919 Slip @ 55°								
		922 Qtz.-calcite 1/2" band @ 60°								
		926 Banding @ 60°.								
		929 Fract. @ 50° pyrite.								
		936 Slips @ 25°, calcite along them, some pyrite.								
		938 1/2" qtz. vein contact @ 35°, rock silicified on both sides, minor pyrite.								
		939 Slip @ 45° Sil. Arg. & Arg.								
		947 Limey Arg. - some pyrr.								
		956 Slips @ 65° - Arg.	24	953	956		61	57		ppm
		958 Banding @ 70° limey arg.								
		958 - 965 Arg. & Sil. Arg. minor slips @ 50°.								
		965 - 974 ⁶ Mainly arg., minor calcite veins & slips @ 20 to 30°								
		974 ⁶ - 982 Arg. with minor banding @ 70°, parts of arg. limey.								
982	1000	Limey Sil. Arg. cut with numerous carb. threads.								
		982 - 987 Mainly limey sil. arg., minor dissem. pyrite & pyrr.								
		987 - 1000 Effervesces with acid giving green residue.								
1000	1030	Mainly Arg.-Sil. Arg. with some limey parts - rock has calcite threads with generally pyrr. over pyrite.								
		1001 Banding & slip @ 80°	25	1000	1001		41	45		ppm

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	Geochemical CORE SAMPLES							
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	Zn	Ag
		1073 - 1083 ⁶ Slips @ 50 to 60°, banding @ 80°, Dissem. pyrite in calcite threads.								
		1083 - 1094 Dissem. pyrr. minor calcite 1/2" bands @ 90°, slips @ 65° & 90°.								
		1094 ⁶ Banding @ 85 - 90°.								
		1096 Slip @ 80°								
		1096 - 1102 Arg. & Sil. Arg.	26	1100	1100		56	52		ppm
1102	1110	Impure qtzite & sil. arg.								
		1102 - 1104 Grey impure qtzite, slip @ 40°.								
		1104 - 1110 Qtzite & some sil. arg. with calcite bands & stringers in rock.								
1110	1128 ⁵	Mainly grey arg. with minor calcite stringers.								
		1110 - 1112 Slips @ 45°.								
		1112 - 1114 Dark grey arg. 1/2" bands @ 70°.								
		1114 - 1122 Interbanded arg. & sil. arg. @ 70°, slips @ 65°.								
		1122 - 1128 ⁵ Banding @ 80°.								
1128 ⁵	1136	Peculiar lime green rock, arg. (?) with calcite stringers @ 40° & 60°, small black calsts in places.	27	1130	1132		67	79	156	ND ppm
1136	1173	Sil. arg. - some banding.								
		1130 - 1139 Broken rock - fractures.								
		1145 Banding @ 80°, slip @ 20°.								
		1164 Banding @ 75°.								
		1168 Banding @ 80°.								
		1173 End of Hole.								

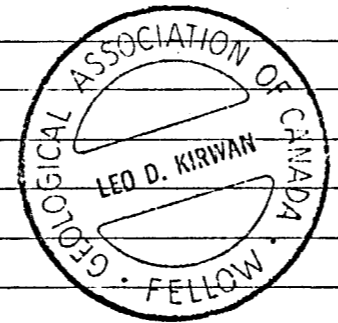


IMPERIAL OIL ENTERPRISES

DIAMOND DRILL LOG

HOLE NO. K-2 PAGE 7

FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES							
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	Zn	Ag
		394-395 Slip @ 10-20° banding @ 60°								
		396-399 Quartzite, slip @ 20°								
		399-401 Argillite								
		401 - 402 Quartzite								
		402-404 Broken arg. slips @ 30°+ 60°								
		404 End of hole								



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IMPERIAL OIL ENTERPRISES
DIAMOND DRILL LOG

HOLE NO. K-3
LOCATION KIM FR. NO. 7
CORE SIZE BQ
PURPOSE TEST GRAVITY ANOMALY
STARTED MAY 5, 1969
COMPLETED MAY 28, 1969
DRILLED BY T. CONNORS DRILLING
LOGGED BY W. J. HILL

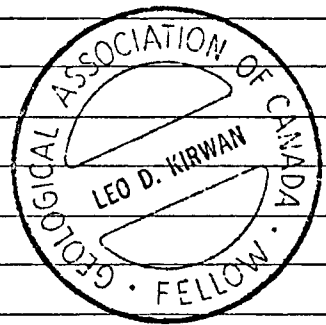
PROPERTY
KIM CLAIM GROUP, KIMBERLEY, B.C.

LATITUDE 26+700S
DEPARTURE 18+700W
ELEVATION _____
AZIMUTH 315°
DIP -50°
LENGTH 92'
HORIZ. PROJ. -
VERT. PROJ. -

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	CORR.

FOOTAGE		DESCRIPTION	CORE SAMPLES						
FROM	TO		NUMBER	FROM	TO	WIDTH			
0	92	Casing							
	92	Hole abandoned in glacial till							



DIAMOND DRILL LOG

HOLE NO. K-4
 LOCATION KIM CLAIM #63
 CORE SIZE BQ RECOVERY 79.4%
 PURPOSE GRAVITY ANOMALY
 STARTED JUNE 3, 1969
 COMPLETED JUNE 16, 1969
 DRILLED BY T. CONNORS DRILLING
 LOGGED BY W. J. HILL

PROPERTY
KIM CLAIM GROUP, KIMBERLEY, B.C.

LATITUDE L 22+500S
 DEPARTURE 17+400W
 ELEVATION _____
 AZIMUTH -
 DIP -90°
 LENGTH 400'
 HORIZ. PROJ. -
 VERT. PROJ. 400'

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	CORR.

FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES				
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
0	150	Casing.							
150	158	Interbanded argillite and sandstone (weathered) banding @ 55° to core axis. Minor slips @ 40°, approx. 70% ss. & 30% grey arg., 2.0' lost core.							
158	174	Interbanded grey-green & purple argillite (Creston), all broken core, banding @ 50°, slips @ 70°.	57	160	165		67	10	ppm
	167 - 174	Interbanded argillite and sandstone, approx. 50% arg. & 50% ss. banding @ 50°, slips parallel banding (bedding) throughout.							
	177.5 - 178.5	Fault gouge in argillite.							
182	226	Argillite with siltstone bands, grey-green narrow banded, banding @ 55° with parallel slips.	58	207	212		22	10	ppm
	182 - 193	9.0' L.C.							
	194 - 199	3.0' L.C.							
	199 - 204	7.0' L.C.							
226	239	Purple argillite with green silty bands approx. 1/4" @ 55°, slips parallel banding @ 55° & 20°.							
239	265	Interbanded argillite and sandstone (partly silty arg.) bands of soft, dark green chlorite arg., broken & missing core, low angle slips & slips parallel bedding.	59	250	255		30	15	ppm
	243 - 249	5.0' L.C.							

MACHINE No. 1

D.D.H. K-1

34+100 W, 25+300 S

✓ AZM 315° DIP -50°

GRAVITY ANOMALY No. 1

(200' N, 100' W, STA 340, L 255) 800'

Length 800'

D.D.H. K-

✓ 26+600 W, 22+300 S

AZM 300°, DIP -50°

GRAVITY ANOMALY No. 4A

(200' N STA 266, L 225 S) 1300'

Length 500'

D.D.H. K-

✓ 24+800 W, 19+500 S

AZM 315°, DIP -50°

GRAVITY ANOMALY No. 4B

(STA 248, L - 195 S) 1700'

Length 400'

D.D.H. K-

✓ 28+900 W, 17+000 S

AZM 270°, DIP -60°

GRAVITY ANOMALY No. 5

(100' W STA 288, L - 170 S) 1950'

Length 250'

D.D.H. K-

✓ 18+200 W, 11+800 S

AZM 270°, DIP -65°

GRAVITY ANOMALY No. 13

(200' N STA 182, L - 120 S) 2300'

Length 350'

MACHINE No. 2

D.D.H. K-2

✓ 21+400 W, 30+600 S

AZM 315°, DIP -50°

GRAVITY ANOMALY No. 8

(100' S STA 214, L - 305 S) 400'

Length 400'

D.D.H. K-3

✓ 18+700 W, 26+700 S

AZM 315°, DIP -50°

GRAVITY ANOMALY No. 7

(200' S, 100' W STA 186 W, L - 265 S) 800'

Length 400'

D.D.H. K-

GRAVITY ANOMALY No. 6

✓ 22+000 W, 23+700 S

(200'S STA 220 W, L-235 S)

1050'

AZIM 270° , DIP -60°

Length 250'

D.D.H. K-

GRAVITY ANOMALY No. 10

✓ 17+400 W, 22+500 S

(STA 174 W, L-225 S)

1400'

Vertical DIP -90°

Length 350'

D.D.H. K-

GRAVITY ANOMALY No. 14

✓ 13+700 W, 27+500 S

or 28+500 S(?)

(100' W STA 136 W, L-275 S)

2200'

AZIM 270° , DIP -60°

Length 800'

Total 4500'

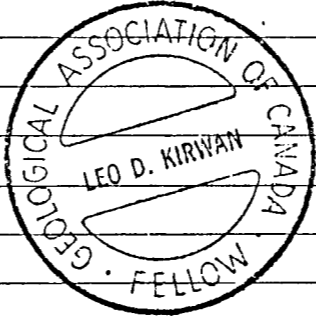
DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES						
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
		249 - 250 0.5' L.C.							
		256 - 258 1.0' L.C.							
		258 - 260 1.0' L.C.							
		260 - 263 2.0' L.C.							
		263 - 265 1.0' L.C.							
265	283	Siliceous purple argillite with narrow purple bands @ 70°.							
		273 - 283 Bleached zone.							
		266 - 273 6.0' L.C.							
		273 - 276 2.0' L.C.							
		276 - 283 3.0' L.C.							
283	298	Purple argillite with green silty bands @ 65°	60	295	300		15	11	ppm
		283 - 288 1.0' L.C.							
298	302	Siliceous (silty) purple argillite.							
		301 - 302 Bleached zone with light green bands @ 65°.							
302	400	Purple argillite mainly, with grey-green silty bands @ 70°.							
		314 - 316.5 1.0' L.C.	61	350	355		8	7	ppm
		316.5- 318.5 1.0' L.C.							
		318.5 - 323 Somewhat siliceous (silty) purple and green (chloritic) argillite. Slight shearing with minor granite, one 1/4" quartz band @ 20°, general banding @ 70°.							
		2.0' L.C.	62	395	400		47	8	ppm
		363 - 371 Somewhat siliceous (silty) purple & green argillite.							
		364 - 365 Minor Shearing.							
		365 - 366 Barren milky quartz vein.							
		383 - 390 Bleached fine grained argillite, slips @ 40°.							

IMPERIAL OIL ENTERPRISES

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES						
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb			
		396 - 400	Silty Purple & green argillite, 1.0' L.C.								
	400	400	END								



DIAMOND DRILL LOG

HOLE NO. K-5
 LOCATION KIM CLAIM NO. 160
 CORE SIZE BQ RECOVERY 99.6%
 PURPOSE STRATIGRAPHY
 STARTED JUNE 20, 1969
 COMPLETED JULY 10, 1969
 DRILLED BY T. CONNORS DRILLING
 LOGGED BY W. J. HILL & L. D. KIRWAN

PROPERTY
KIM GROUP, KIMBERLEY, B.C.

LATITUDE 25+370S
 DEPARTURE 36+740W
 ELEVATION _____
 AZIMUTH 315°
 DIP -45°
 LENGTH 880
 HORIZ. PROJ. 6??
 VERT. PROJ. 6??

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	CORR.

FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES				
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
0	6	Casing.							
6	10	Impure light grey qtzite containing pyrr. & py., some oxidized & healed slips @ 5° to C.A.	63	6	10	4	58	78	ppm
10	25	Siliceous argillite, grey banded rock with oxidized slips. Qtzitic bands of lighter grey, py. along slips & parallel to banding @ 85°.							
		14.5 Slip @ 35°.							
		15 Banding @ 75°.							
		21 Banding @ 80°.							
25	105	Impure light grey qtzite. Banded in some places with white silty bands which contain small specks of qtz., some minor sil. arg.							
		26 - 30 Banding @ 80°, interbanded qtzite & sil. arg., mainly qtzite.							
		45 Banding @ 75°, oxidized slip @ 5°.							
		49 Banding with 1/2" white arg. @ 85°.							
		55 Banding @ 80°, dissem. py.	64	51	55	4	20	15	ppm
		69 - 71.6 Broken oxidized core, cave at 71.6.							
		73 - 74 Broken core - calcite seams							
		76 Banding @ 55°, some sil. arg. with qtzite.							
		76.6 - 83 Broken & oxidized core, essentially qtzite, slips parallel to C.A. calcite seams.							

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES					
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb		
		91 - 92	Bleached zone of grey-green aphanitic rock slip @ 30°							
		92 - 92.5	Silty band of qtzitic rock with 5% py.	65	96	100		24	32	ppm
		100 - 105	Broken and fract. rock, oxidized.							
105	132		Siliceous argillite - dark grey, banded locally with more argillaceous bands and some qtzitic bands. Py. in threads parallel to bands, minor calcite threads and stringers.							
		106 - 108	Banding @ 80°.							
		108 - 112	Broken and oxidized core.							
		115	Calcite thread - slip @ 45° opposite banding @ 80°.							
		120	1/2" calcite stringer with py. @ 40°, Dissem. py. in rocks.							
		124 - 127	Slips @ 10° - 15°.							
132	137.5		Qtzite & interbanded Siliceous Argillite banding @ 80°, slips @ 20° & 30°, calcite threads.							
137.5	498		Banded Siliceous Argillite. Minor qtzite, dissem. py., Calcite threads & slips.							
		138	Banding @ 85°.							
		139 - 140	Slips @ 50°.							
		142 - 145	Slips @ 40°, minor interbanded qtzite	66	147	151		42	32	ppm
		154	Banding @ 75°.							
		154 - 159	Minor interbanded qtzite, 0.5' L.C.							
		170 - 174	Broken core - oxidized slips	K-5	175			18	10	
		180 - 181	Broken core - oxidized slips							
		184 - 194	Broken core, oxidized slips parallel core axis.							
		196	Banding @ 80°.							

DIAMOND DRILL LOG

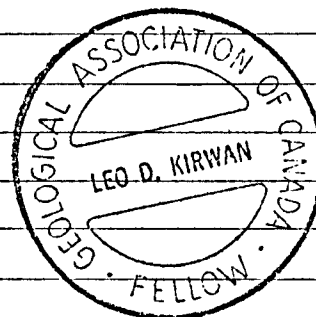
FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES							
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb		
	200 - 213	Sil. arg. & quartzite with light grey 1/2 silty arg. bands containing small quartzitic clasts (like quartz eyes), healed calcite slips, disseminated py. & pyrr.	68	200	205		12	8		ppm
	213 - 214	Broken core with chlorite fractures.								
	219 - 227	Sil., arg. and silty sil. arg., banding @ 80°, slips @ 20°, 40°, & 80°.								
	231	Breccia calcite vein @ 35° containing some py. & pyrr.	69	231			26	25		ppm
	231 - 244	Banded Sil. arg. @ 80°, some silty layers calcite threads.	K-5	235			53	41		
	248.5	Oxidized slip @ 20°.								
	249 - 257	Banded sil. arg., some silty bands @ 80°, minor disseminated py. & pyrr.	70	249	255		42	15		ppm
	268	Banding (bedding) @ 83°.								
	318	Banding (bedding) @ 75°.	K-5	292			60	23		
	348 - 366	Broken core with numerous slips @ 30° - 40° opposite bedding @ 70°.	K-5	345			40	20		
	358	1/4" carb. slip @ 30°.								
	361 - 363	Carb.-talc stringers @ 30° opposite bedding @ 70°.								
	376	Distinct bedding (banding) @ 70°.								
	381 - 382	2 parallel 1/2" carb. stringers @ 20°.								
	402 - 435	Brownish silty bands or layers are somewhat coarser grained in this section perhaps due to increase in metamorphism and development of biotite.	K-5	415			48	20		
	435 - 498	Fine grain siliceous argillite with light colored bands and brownish-gray silty bands in generally dark gray sil. arg.	K-5	455			45	24		

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES				
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
		464 2 py coated fractures @ 25° bedding @ 70°							
		477-498 Numerous slips @ 20°- 30° and few parallel to bedding @ 55° increased pyrite							
498	668	Altered (?) banded silty siliceous argillite. Roundish or spherical spots 2-10 mm dia of brownish mica (apparently biotite) and pyrite occurring in normal sil arg. This material varies in quantity from a few isolated spots to almost 50% of the rock, and does occasionally occur in narrow (1/4" or less) bands	K-5	510			68	40	ppm
		525-532 Some broken core with py on slips							
		546 Banding (bedding) @ 70°	K-5	550			50	26	ppm
		570 Banding (bedding) @ 70°							
		570-593 "spotted alteration" very weak to nearly absent in this section where rock appears more silty and coarser grained. Few short sections where light colored spheres occur in dark silty rock.							
		585-593 Numerous py coated slips & some broken core							
		600 Banding (bedding) @ 68°	K-5	604			48	25	ppm
		610-625 Brown spotted alteration distinct. Narrow (1/4" - 1/2") light colored bands have no brown spots but frequently have brown material (mica & pyrite) on contacts. Pyrite also occurs on slips.							
		624 Bedding - banding @ 72°							
		649-653 Slip Parallel to core coated with pyrite	K-5	652			25	20	ppm
		665-668 Spotted alteration weaker and absent beyond 668							

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES				
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
668	730.5	Banded silty siliceous argillite							
		673 Bedding - banding @ 78°							
		679-697 Broken core							
		701-717 Broken & fractured core, rx slightly bx and sheared. Some brown oxidization on slips. Diss py common	K-5	710			40	52	ppm
		717-730 Core relatively uniform and non deformed.							
		730.5 3" bleached (epidotized) + oxidized zone at end of run.							
730.5	880	Diorite							
		730.5-734 Fine grained dark mafic diorite with strs + veins of carbonate with pyrite and iron oxide (limonite surface oxidization) @ 40°							
		734-748 Diorite becoming progressively coarser grained, lighter colored, with higher percentage of light feldspar. Some fine diss. py. rock slightly sheared	K-5	752			160	34	ppm
		748-823 Coarse grained diorite with ophitic texture where needle shaped mafic mineral xls in feldspar (subhedral) groundmass	K-5	800			30	24	ppm
		823-880 Broken core, slightly to moderately sheared and brecciated coarse grained diorite as above Slips @ 15°- 20° Poor drilling, hole caving, broken ground.	K-5	849			55	22	ppm
		849-855 3.0' lost core							
	880	End hole							



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IMPERIAL OIL ENTERPRISES
DIAMOND DRILL LOG

HOLE NO. K-6
 LOCATION KIM CLAIM NO. 114
 CORE SIZE BQ
 PURPOSE TEST GRAVITY ANOMALY
 STARTED JUNE 20, 1969
 COMPLETED JUNE 22, 1969
 DRILLED BY T. CONNORS DRILLING
 LOGGED BY W. J. HILL

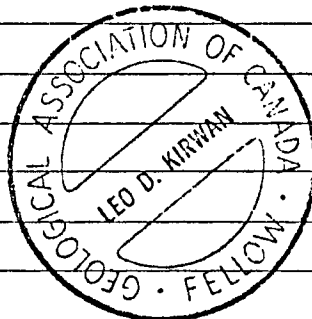
PROPERTY
KIM CLAIM GROUP, KIMBERLEY, B.C.

LATITUDE 23+700S
 DEPARTURE 22+000W
 ELEVATION _____
 AZIMUTH 270°
 DIP -60°
 LENGTH 35
 HORIZ. PROJ. -
 VERT. PROJ. -

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	CORR.

FOOTAGE		DESCRIPTION	CORE SAMPLES							
FROM	TO		NUMBER	FROM	TO	WIDTH				
0	35	Casing								
	35	Hole abandoned in glacial till - casing stuck.								



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IMPERIAL OIL ENTERPRISES

DIAMOND DRILL LOG

HOLE NO. K-7
 LOCATION KIM CLAIM NO. 75
 CORE SIZE BQ RECOVERY 98.5%
 PURPOSE TEST GRAVITY ANOMALY
 STARTED JUNE 25, 1969
 COMPLETED JULY 10, 1969
 DRILLED BY T. CONNORS DRILLING
 LOGGED BY L. D. KIRWAN

PROPERTY

KIM CLAIM GROUP, KIMBERLEY, B.C.

LATITUDE 22+300S
 DEPARTURE 26+600W
 ELEVATION _____
 AZIMUTH 300°
 DIP -50°
 LENGTH 466'
 HORIZ. PROJ. 300'
 VERT. PROJ. 357'

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	CORR.

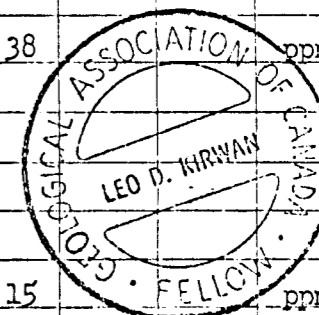
FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES				
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
0	29	Casing							
29	55	Siliceous silty argillite. Grey, narrow banded siliceous argillite with silty layers more siliceous. Surface fracturing parallel bedding and at low angles to core axis. Minor dissem. py. & pyrr. 40 bedding (banding) @ 80°.							
55	82.5	Fractured and altered zone. Impure Qtzite or siliceous argillite. Fractured broken core, limonite oxidized with some epidote alteration resulting in light green rock with limonite stain.							
	55 - 56.5	Oxidized fractures parallel core, 0.5' L.C.							
	56.5 - 67	Qtz. stringers with vugs @ 40° and random angles in broken core.							
	56.5 - 59.0	1.5' L.C.							
	59 - 63.5	3.0' L.C.	K-70	60			35	24	ppm
	63.5 - 64.5	0.5' L.C.							
	65.5 - 67.0	0.5' L.C.							
	67 - 69	Oxidized fracture parallel core.							
	72 - 74	Unaltered impure qtzite.							
	77 - 81	Unaltered impure qtzite.							
82.5	126.5	Siliceous Silty argillite.							

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES				
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
		Silty bands of impure quartzite.							
		89 - 92 Fractures 10° - 20° with limonite oxide.							
		102 - 111 Fractures parallel core axis and at low angles, oxidized, and with some oxidization throughout rock locally.	K-7	103			33	24	ppm
		108 - 125.5 Siliceous zones apparently due to added silica into Siliceous argillite.							
		115 Bedding @ 80°.							
		125.5 - 126.5 Zone of dense silica.							
126.5	153	Diorite.							
		Fine to medium grained green mafic diorite.							
		139 3" band silica.							
		140 2" band silica.							
		140 - 141 1' band very fine diorite with pyrite crystals.							
		141.5 - 153 Bands of silica and veins of quartzite @ + 65°. Few later slips @ 45°.	K-7	145			23	16	ppm
153	466	Quartz Diorite							
		Coarse grained with long mafic crystals or clots in light green subhedral feldspar and small blue quartz eyes in equidimensional crystals. Minor dissem. py. possibly few specks chalco. Locally dissem. magnetite.							
		169 - 204 Fine grained quartz diorite with few carb. threads and stringers @ 60 - 65°.							
		172 - 173 8" light colored zone low in mafics, added epidote.							
		179 - 180 Oxidized slip @ 20°.							
		184 3" light colored zone, low in mafics, added epidote.							
		189 - 191 Medium grained lighter green, diabase texture.	K-7	200			378	26	ppm

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES								
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb			
		204 - 297									
		Coarse grained quartz diorite, quite uniform and solid. Minor dissem. py. perhaps few specks chalco & magnetite.									
		229 - 231									
		Little epidote & silica.									
		235 - 236									
		Little epidote & silica.									
		242 - 243	K-7	248			340	11			ppm
		286									
		1" carb. stringers @ 20°									
		297 - 466									
		Medium grained quartz diorite. Minor quartz and quartz-carb. stringers and threads. Solid core generally.									
		298	K-7	300			145	19			ppm
		1/2" quartz stringers @ 15°									
		308									
		1/2" quartz stringers @ 20°									
		314									
		6" quartz vein @ 70°, slip @ 35°									
		317									
		Quartz stringer in broken core.									
		326 - 330									
		Quartz-carb. stringers and slips @ 15°-20°, some broken core.									
		337	K-7	345			130	19			ppm
		1/4" Quartz-carb. slip @ 20°									
		356									
		1/2" Quartz-carb. slip @ 25°									
		367									
		1/2" Quartz stringer @ 60°.									
		377 - 380									
		Slips @ 15° - 20°.									
		390	K-7	390			290	38			ppm
		Quartz slip @ 15°.									
		402 - 403									
		4" quartz-carb. vein @ 60°.									
		406									
		1" quartz-carb. stringer @ 40° with magnetite.									
		421 - 422									
		Epidote zone.									
		422 - 438									
		Some broken core due to slips @ 15° - 25°									
		455	K-7	459			175	15			ppm
		1/2" carb. stringers @ 20° in solid core.									
	466	END HOLE.									



IMPERIAL OIL ENTERPRISES
DIAMOND DRILL LOG
PROPERTY

HOLE NO. K-8
LOCATION Kim Fraction No. 1
CORE SIZE BQ
PURPOSE Stratigraphy
STARTED July 13, 1969
COMPLETED July 25, 1969
DRILLED BY T. Conner's Drilling
LOGGED BY W. J. Hill

LATITUDE 23 + 820 S
DEPARTURE 36 + 800 W
ELEVATION _____
AZIMUTH 315°
DIP -50°
LENGTH 537'
HORIZ. PROJ. 344'
VERT. PROJ. 410'

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	CORR.

FOOTAGE		DESCRIPTION	GEOCHEMICAL		CORE SAMPLES			
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu ppm	Pb ppm
0	7'	Casing						
7'	350	Siliceous argillite; near top of hole iron oxides along slips; banded in places generally @ 80-90° to C.A.; minor carbonate throughout. Core tends to be more qtzitic in places, almost an impure qtzite - appears bleached						
	20'	Oxidized slip @ 10°						
	24'	Banding @ 80°						
	36'	Banding @ 90°						
	42'-43'	Irregular calcite veingin. Rx slightly brecciated						
	45	Banding @ 80° with slips // to banding						
	50	Irregular oxidized fracture @ 35° with smeared py.	K-8 50	50	52	2	30	25
	54	Oxidized slip @ 25°						
	56	Slightly bleached qtzitic rx. with diss. pyrrhotite						
	62 ⁵ -66 ⁵	Bleached broken core with oxidized fract. @ 5° to C.A.						
	73	Banding @ 80°						
	73-75	Broken core						
	84	Banding @ 85°						
	103	2" qtz. vein @ 80° containing massive py. some fractures of vein.	K-8 100	100	102	2'	20	15

IMPERIAL OIL ENTERPRISES

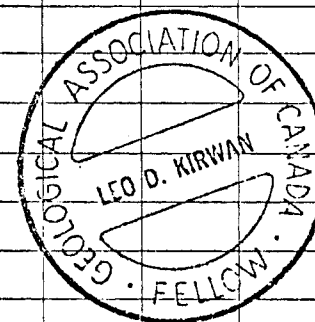
DIAMOND DRILL LOG

HOLE NO. K-8 PAGE 2

FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES						
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu ppm	Pb ppm	
	108	Banding @ 80° lt. gray bands with small dark qtzitic eyes. Rx. quite close to being qtzitic.							
	115-116 ⁵	Bleached altered core with about 1/2 - 1 area of pinkish flesh rx. iron oxide stringers							
	117	Spotted lt. gray bands @ 80°							
	127	Spotted lt. & dk. bands @ 85°							
	142 ⁵	Irr. calcite & feldspar veins which have broken rx. - minor py.							
	165	Banding @ 70°	K-8 150	149	151	2.0'	160	25	
	171	3/4" qtz. vein @ 80° with py & pyrr.							
	182	Banding @ 75°							
	205	Banding @ 75°	K-8 200	200	202	2.0'	71	24	
	218	Banding @ 75° minor py.							
	241	Banding @ 70° slip @ -25° spotted lt. gray band with qtz. (?) eyes.							
	242-244	Slightly bleached qtzitic zone, grading into impure qtzite, than back to sil. arg.							
	257	Banding @ 70° fract. @ 10° with smeared py. Rx. appears to be slightly bleached in this area.	K-8 250	250	252	2.0'	38	16	
	260	Banding @ 75° slip @ 75°							
	277	Banding @ 80°							
	297	Banding @ 80° slips // to banding	K-8 300	300	302'	2.0'	53	112	
	308-315 ⁶	Broken core - appears to be slightly bleached immediately after B.C. for several feet.							
	320	Banding @ 80°							
	343-345	Fractured core @ 10° to C.A.							

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES					
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu ppm	Pb ppm
350	453	Areas of slightly bleached core, probably more qtzitic. Impure qtzite with sil. arg.	K-8350	349	351	2.0'	30	38
		355-357 Bleached core cut by oxide stringers						
		366 Banding @ 80°						
		384 Banding @ 75°						
		393 Banding @ 75° pyrr (1%) with a speck of chalcopyrite						
		406 Lt. & dk. banding @ 75°	K-8 400	400	402	2.0'	20	75
		420 Py. with small speck of galena. Rx. quite bleached banding A 80°						
		440 Banding @ 80°	K-8 450	450	452	2.0'	21	20
453	501	Siliceous argilite - impure argillaceous qtzite with spotted brown to black mineral (biotite - ?) throughout						
		461 Banding @ 75°						
		479 Banding @ 75°						
		501 Banding @ 70°	K-8 500	502	504	2.0'	11	13
501	537	Generally black sil. arg.(?) in places bleached to a creamy gray of 1'-2'						
		503-504 Bleached creamy gray rx. with irr. contact cutting across banding						
		508-510 Same as 503-504						
		516-537 Broken & lost core with cave 4.0' L.C.						
		537 End of Hole						



IMPERIAL OIL ENTERPRISES
DIAMOND DRILL LOG

HOLE NO. K-9
 LOCATION Kim Claim No. 54
 CORE SIZE BQ - Recovery 99.1%
 PURPOSE Gravity Anomaly
 STARTED July 14, 1969
 COMPLETED July 31, 1969
 DRILLED BY Conners Drilling
 LOGGED BY W. J. Hill

PROPERTY
Kim Claim Group, Kimberley, B.C.

LATITUDE 19 + 500 S
 DEPARTURE 24 + 900 W
 ELEVATION _____
 AZIMUTH 315°
 DIP -50°
 LENGTH 338'
 HORIZ. PROJ. 217'
 VERT. PROJ. 258'

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	CORR.

FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES						
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
0	12	Casing							
12	74	Dk. & lt. gray banded limey argillite. Bands vary from 1/16" - about 4" slips ll to bands & across them. Banding generally 60-70° to C.A. mineralization 15 minor py	K-9 20	20			36	39	ppm
		12'-20' Broken core							
		21' Banding @ 60° to C.A. slip @ -25°							
		26 ⁶ -23 ⁶ Broken core							
		26 Oxidized irr. slip @ 10° to C.A. banding @ 60°							
		40-40 ⁶ Healed slip @ 5° py threads ll to banding @ 70° and along old slips. Carbonate associated with py.							
		46-47 Broken core - oxidized slips @ /0° to C.A.							
		49 ⁶ -51 ⁶ Broken core	K-9 50	50			41	31	ppm
		51 ⁶ Banding @ 70°							
		53 Py parallel to banding @ 70°							
		54-68 Lt. & dk. arg. banding @ 70-75° with minor slips ll to banding.							
		68-72 Broken core							
74	75	Broken brecciated arg. with py diss. throughout							
75	106	Essentially banded arg. generally dk. gray with minor py threads ll to banding some irr. calcite veining.							
		76 Banding @ 80°							

DIAMOND DRILL LOG

FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES						
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu	Pb	
		78-78 ⁶ Broken core							
		80 Banding @ 70° slip @ 20° with diss. py smeared along slip							
		80-84 ⁶ 2.0' L.C.							
		86-88 Broken core 1.0' L.C.							
		88-90 Broken core							
		94 Arg. with irr. veins of calcite containg py.							
		95 Thinnly bedded arg. @ 65°							
		97 Slip @ -30° banding @ 70°	K-9 100	100'			66	63	ppm
106	107	Irregular qtzitic silty arg. containing py.							
107	119	Mainly silty arg. (dk. gray) with minor lt. gray argillaceous soft clasts diss. py throughout rx. more siliceous than previously							
119	134	Mainly dk. gray arg. with minor silty arg. somewhat banded.							
		121-123 Broken core							
		132 Banding @ 35° to C.A.							
134	141	Silty gray arg. mainly, minor fine grained arg. few irr. calcite veins minor py.							
141	150	Dk. gray arg. with banding @ 55°							
150	166 ⁶	Impure lt. gray qtzite. Some silty areas of more qtzite silty arg.							
166 ⁶	168	White qtz. vein with inclusions of dk. gray arg. rx.							
168	173	Qtzitic silty arg. - impure qtzite with minor disrupted bands of sil. arg. banding @ 75° to C.A.							
173	338	Interbanded lt. & dk. gray arg. lighter bands appear more silty in some places minor py.							
		173-177 Broken core							
		181-184 Brecciated dk. gray arg.							

IMPERIAL OIL ENTERPRISES

DIAMOND DRILL LOG

HOLE NO. K-9 PAGE 3

FOOTAGE		DESCRIPTION	GEOCHEMICAL CORE SAMPLES							
FROM	TO		NUMBER	FROM	TO	WIDTH	Cu			
	185	Banding @ 85°								
	190-193	Broken core								
	204	Banding @ 70°	K-9 200	200'			59	11		ppm
	215	Banding @ 65°								
	226	Banding @ 65°								
	238	Banding @ 60°								
	253	Band of silty arg. @ 60° with py ll to band	K-9 250	250'			60	39		ppm
	266	Banding @ 60°								
	282	Cave								
	293	Banding @ 65°								
	299-302	Lighter sil. arg.	K-9 300	300'			69	13		ppm
	306-310	Broken core								
	310-314	Slightly br. core.								
	320	Banding @ 65°								
	335-338	Broken & caved core								
	338	End of Hole								

