

DIAMOND DRILLING



010

Township: Halcrow

Report No: 19

WORK PERFORMED FOR: Regal Petroleum Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
P 22151	RG-86-1	306.7m	Oct/86	(1)
P 22176	RG-86-2	306.7m	Oct/86	(1)
	RG-86-3	285.4m	Oct/86	(1)
P 22146	RG-86-4	276.2m	Oct/86	(1)
	RG-86-5	214.3m	Nov/86	(1)
P 758314	RG-86-6	169.5m	Nov-Dec/86	(1)
P 758313	RG-86-7	154.3m	Dec/86	(1)
	RG-86-8	181.7m	Dec/86	(1)
P 709043	RG-86-9	215.2m	Dec/86	(1)
	RG-86-10	18.9m	Dec/86	(1)

21289

NOTES: (1) #49-87 (filed in July/87)

APPENDIX A

DRILL LOGS

Drilling Company D.W. COATES INC.		Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No.
Date Hole Started 10/16/86		Date Completed 10/19/86	Date Logged	215	306.7 m	-60	-57
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.		Date Submitted	Logged by J. CHAPMAN			Location (Twp., Lot, Con. or Lat. and Long.) HALCROW TWP., 47 47'45"N, 82 56'W	
			Submitted (sign)			Property Name REGAL - SWAYZE	

Meterage From	To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm Cu	Assays Ag	ppb Au
							From	To				
-	2.44	overburden	casing									
2.44	7.32	quartz diorite	a foliated quartz diorite pervasively hematized; dark reddish brown medium to coarse grained; foliation consistently at 60 degrees to core; 25%-40% mafics strongly chloritized; pervasive carbonitization and abundant quartz-carbonate veinlets less than 2 mm both conformable to and crosscutting foliation; 12 cm quartz carbonate chlorite vein at 7.32 metres	fol. 60								
7.32	8.54	cataclastic quartz diorite	dark gray with anhedral quartz and feldspar crystals; moderately hematized; pervasive carbonate in matrix; hairline to 2 mm hematite filled fractures at random orientations; fault zone at 8.54 metres; footwall silicified for 20 cm						1.5	30	0.3	-
8.54	10.5	quartz diorite	fine to medium grained equigranular dark gray green; massive; occasional quartz-carbonate veinlets from hairline at top to 7 cm at base; basal vein at 20 degrees to core with 3 cm border zones of chlorite, epidote, hematite; approximately 5% pyrite									
10.5	13.87	cataclastic quartz diorite	from aphanitic to medium grained; dark reddish brown to dark gray green; pervasive hairline quartz-carbonate and chlorite-epidote veining; moderate hematization; approximately 10% veins greater than 2 cm; quartz-carbonate, tourmaline; minor chlorite; epidote; less than 3%; sulfides; margins of some veins mylonitic; veins all 20%-40% with same orientation; variably silicified			1902	10	12	2	20	0.8	-
						1903	12	13.9	1.9	60	0.1	30
13.87	14.3	cataclasite	aphanitic dark reddish brown; intensely fractured; fracture fillings epidote, hematite; minor magnetite; fragments of cataclastic quartz diorite upto 4 cm in aphanitic groundmass			1904	13.9	15.75	1.85	24	0.1	-
14.3	15.42	cataclastic quartz diorite	fine grained dark gray-green with quartz and feldspar porphyroblasts; variably siliceous with pervasive chloritization; stockwork quartz; carbonate veinlets with minor associated pyrite approximately 14% and trace chalcopyrite at 14.7 metres to 14.9 metres									
15.42	22.17	quartz diorite	predominantly medium to coarse grained; equigranular; dark greenish brown; strongly foliated approximately 45 degrees; quartz-carbonate +/- chlorite; epidote filled hairline fractures present throughout; occasionally up to 5 cm; occasional blue quartz veins less than 1 cm	fol. 45		1905	15.75	17.1	1.35	30	0.2	-
						1906	18.5	20	1.5	11	0.2	-

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Drilling Company D.W. COATES INC.	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. IS-22151 P
		215	306.7 m. -57			
Date Hole Started 10/16/86	Date Completed 10/19/86	Date Logged	Logged by J. CHAPMAN		Location (Twp, Lot, Con. or Lat. and Long.) HALCROW TWP., 47 47'45"N, 82 56'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.	Date Submitted	Submitted (sign)			Property Name REGAL - SWAYZE	

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays ppb			
						From	To		Cu	Ag	Au	
		chlorite; epidote increase toward base of section; interbanded fine grained strongly sheared zone less than 20 cm thick also siliceous sections 10-20 cm thick; weakly hematized throughout with local intense zones generally associated with fine grained sheared sections										
22.17	26.22	quartz diorite as above; but mostly fine to medium grained, predominantly medium grained in lower portion; 19.25-24.77m zone of most intense chlorite carbonate +/- epidote veining preferred orientation of veins approximately 70 degrees, hematization strongest in fine grained zones										
26.22	28.62	quartz diorite cataclastic quartz diorite 150/50 medium to coarse grained; dark reddish brown with strong foliation; interbanded with aphanitic grayish pink cataclastic zones with quartz porphyroblasts up to 1 cm; section cut by many hairline quartz-carbonate +/- chlorite veinlets and tension fractures; 1%-3% pyrite throughout with traces of chalcopyrite mostly disseminated occasional fracture filling; euhedral; hematization increasing to base	fol. 55		1907	26.22	28	1.78	30	0.1	5	
28.62	33.86	cataclastic quartz diorite predominantly aphanitic to fine grained red brown; pervasive carbonitization and hematization; weak to moderate chlorite; abundant hematite filled fractures parallel to foliation; minor tourmaline at 32.8m; very fine grained pyrite disseminated throughout section approximately 5%; trace cp.; sericitic	fol. 50		1908	28	30	2	20	0.4	5	
					1909	30.3	32.3	2	23	0.1	-	
					1910	32.3	33.9	1.6	26	0.2	-	
33.86	41.06	quartz diorite medium to coarse grained foliated; reddish brown; hairline quartz-carbonate +/- chlorite veins; pervasive carbonatization restricted to cataclastic zones 34.76-35.26 metres; pyrite 1%-3% disseminated; trace chalcopyrite; moderate chloritization throughout; minor sericite in cataclastic zones	fol. 45		1911	40.8	42.8	2	17	0.1	-	
41.06	44.4	cataclastic quartz diorite very fine grained banded red and green with minor coarse grained diorite; quartz-carbonate +/- chlorite veining throughout conformable with foliation in sheared zones; minor blue quartz veins less than 1% sulfides (pyrite); chloritization weakening toward base; shearing less intense toward base	fol. 60									
44.4	49.26	quartz diorite fine to medium grained equigranular; foliated; dark reddish gray; pervasive hematization and chloritization; quartz-carbonate +/-	fol.		1912	44.5	46.5	2	21	0.1	5	

Drilling Company D.W. COATES INC.	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22151 P
Date Hole Started 10/16/86	Date Completed 10/19/86	Date Logged	215	306.7 m. -57	Location (Twp., Lot, Con. or Lat. and Long.) HALCROW TWP., 47 47'45"N, 82 56'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.	Date Submitted	Submitted (sign)	J. CHAPMAN		Property Name REGAL - SWAYZE	

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays ppb		
						From	To		Cu	Ag	Au
82.62	107.59	quartz diorite			1921	85.3	87.3	2	61	1.4	-
		veining at 89.44-91.14 metres; weak chloritization; intense silicification with 2X-5X pyrite in gray black fine grained diorite			1922	89.3	91.2	1.9	25	0.1	-
		100.75 to 103.6 metres, weak hematization; traces of chalcopryrite with quartz carbonate veins; trace disseminated magnetite in diorite			1923	99.4	101	1.6	238	0.6	40
		105.4-106.30 metres increasing pyrite content up to 20% at base with increasing hematization and grading into massive biotite chlorite rock immediately overlying 15 cm quartz vein.			1924	101	103.1	2.1	50	0.1	100
		106.3-107.59m beginning of brecciated hematized cataclastic zone			1925	103.1	105.1	2	30	0.4	45
107.59	118.1	cataclasite			1926	105.2	106.5	1.3	33	0.4	5
		strongly silicified and hematized; dark red brown aphanitic to very fine grained groundmass with quartz porphyroblasts; pervasive carbonitization; weak to moderate seritization. Abundant vein breccia and quartz-carb. veining at top of section; pyrite 1X-2X throughout locally 5X; trace chalcopryrite as disseminations and vein filling; mafic dyke 10 cm wide at 112.1 m 5 mm chilled margin; lower contact with foliated quartz diorite; hematization weakening approaching contact	dike 60		1927	106.5	108.3	1.8	5	0.3	15
					1928	108.3	109.4	1.1	24	0.4	-
					1929	109.4	111.1	1.7	5	0.1	-
118.1	157.06	quartz diorite			1930	111.1	112.7	1.6	18	0.1	100
		equigranular; medium to coarse grained; dark gray; weakly hematized; pervasively carbonatized with occasional thin mafic horizons less than 5 cm; minor less than 1X disseminated fine grained pyrite	fol. 30		1931	112.7	114.2	1.5	15	0.3	10
		foliation fades out by 122.23 metres; abundant hairline quartz-carbonate; chlorite +/- epidote; hematite veins with random orientation occasionally containing specular hematite; weakly to moderately magnetic throughout to 134.3 metres	fol. 50		1932	114.2	115.7	1.5	22	0.3	65
		134.6 to 137.2m increase in vein size			1933	115.7	117.6	1.9	15	0.3	10
		148.0 to 152.0m large euhedral py up to 1 cm with 1X-2X disseminated pyrite			1934	117.6	118.5	0.9	55	0.4	-
		155.77 to 156.4m mafic volcanic dyke with 5 mm chilled margin upper contact at 50 degrees; lower contact			1935	133.7	135.5	1.8	23	0.1	-
					1936	135.5	137.5	2	20	0.2	50
					1937	141.2	143	1.8	84	0.1	-
					1938	146.1	148.1	2	41	0.2	40
					1939	148.1	149.3	1.2	180	0.6	420
					1940	149.3	151.9	2.6	89	0.1	310
157.06	163.55	cataclastic quartz diorite			1941	157	158.5	1.5	58	0.5	-
		increase in hematization and silicification at top of section becoming progressively more brecciated to 160 metres then grading back to quartz diorite as above; quartz vein at 162.51 metres	vein top 15		1942	158.5	159.7	1.2	25	0.2	-
		dark green and red brown; pyrite locally up to 5X in stringers; 162.51-163.55 barren silky quartz vein pervasive carbonatization; trace chalcopryrite	45 bottom		1943	159.7	161.4	1.7	10	0.3	70
					1944	161.4	162.6	1.2	95	0.8	30
					1945	162.6	163.5	0.9	20	0.4	55
					1946	163.5	164.6	1.1	42	0.2	-

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Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays ppb		
						From	To		Cu	Ag	Au
163.55	167.56 cataclastic quartz diorite	approximately 50/50 cataclastic quartz diorite as above and weakly altered quartz diorite with a 35 cm quartz vein at 166.91, pyrite approximately 5% with trace chalcopyrite	vein		1947	164.6	165.5	0.9	25	0.2	-
					1948	165.5	166.5	1	47	0.1	-
					1949	166.5	167.5	1	20	0.2	-
					1950	167.5	169	1.5	224	0.6	-
167.56	174.46 quartz diorite	medium to coarse grained, equigranular, weak hematization, thin, 5-10 cm shear zones near base of section with up to 5 cm bleached weakly silicified sericite envelopes traces pyrite and chalcopyrite			1951	172.3	174.4	2.1	74	0.2	20
			shears		1952	174.4	176	1.6	35	-	10
			approx.		1953	176	178.3	2.3	81	0.4	380
					1954	178.3	179.4	1.1	30	0.2	80
174.46	181 cataclastic quartz diorite	continuation of lower section above, shear zones 1 per 10 cm separated by relatively unaltered quartz diorite			1955	179.4	180.6	1.2	45	0.1	-
		178.5 to 180.75 metres, 35% quartz veins with pyrite and minor chalcopyrite separated by cataclastic quartz diorite with pyrite up to 10%	shears		1956	180.6	181.2	0.6	1630	0.9	240
			approx.		1957	181.2	182.4	1.2	50	0.2	30
					1958	182.5	183.9	1.4	43	0.4	5
181	201.55 quartz diorite	predominantly medium to coarse grained equigranular dark gray partly foliated, weak to moderate hematization and chloritization; occasional shear zones, less than 0.5 metres, of fine to very fine grained greenish gray or hematitic rock cut by thin, less than 2 cm, quartz carbonate +/- chlorite, hematite, feldspar veins, pyrite and chalcopyrite less than 1%, locally 2%-5% associated with shear zones, increasing hematization at base of section	fol.	45-75	1960	186.2	187.8	1.6	87	0.3	15
					1961	187.8	189.3	1.5	60	0.2	-
					1962	200	201.1	1.1	65	-	-
					1963	201.1	202.7	1.6	60	0.6	50
201.55	207.4 cataclastic quartz diorite	strongly hematized to 202.60 metres, veining conformable with foliation (quartz-carbonate chlorite, hematite)	fol.	40	1964	202.7	203.8	1.1	40	0.4	70
		202.6-207.4 metres chlorite-sericite alteration dominant with weak hematization, minor epidote, moderate quartz veining, cataclastic zones separated by section of weakly altered dark gray quartz diorite as above			1965	203.8	205.4	1.6	25	0.1	330
					1966	205.4	206.6	1.2	46	0.2	25
					1967	206.6	208.3	1.7	22	0.2	85
207.4	270.6 quartz diorite	as in 181.0 to 201.55 metres with narrow shear zones as in 202.6 to 207.4 metres, below 214 metres moderate hematization and chloritization in shear zones, shears approximately 15% of section	fol.	55	1968	208.3	209.8	1.5	39	0.1	40
		diorite predominantly foliated steepening to 30 degrees at 234 m	to	75	1969	210.4	211.8	1.4	60	-	25
		234-236.5 metres abundant quartz-carbonate hematite veining parallel to subparallel to core locally up to 1% chalcopyrite			1970	211.8	213.3	1.5	40	0.6	10
		237-245m chlorite epidote veinings			1971	215	216.2	1.2	121	-	110
		256.2-258.5 magnetic section with brecciated zone			1972	219.8	221.1	1.3	45	0.4	-
		259.5-260.7 metres containing quartz, chlorite biotite rock,			1973	221.1	222.6	1.5	78	0.3	20
		tourmaline, pale to medium green at base of section before transition			1974	222.6	224.2	1.6	241	0.7	5
			1975	224.7	225.2	0.5	270	0.3	-		
			1976	228.7	230.2	1.5	259	0.5	50		

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						From	To		Cu	Ag	Au	
82.62	107.59	quartz diorite				1921	85.3	87.3	2	61	1.4	-
		veining at 89.44-91.14 metres; weak chloritization; intense silicification with 2%-5% pyrite in gray black fine grained diorite				1922	89.3	91.2	1.9	25	0.1	-
		100.75 to 103.6 metres; weak hematization; traces of chalcopryrite with quartz carbonate veins; trace disseminated magnetite in diorite				1923	99.4	101	1.6	238	0.6	40
		105.4-106.30 metres increasing pyrite content up to 20% at base with increasing hematization and grading into massive biotite chlorite rock immediately overlying 15 cm quartz vein.				1924	101	103.1	2.1	50	0.1	100
		106.3-107.59m beginning of brecciated hematized cataclastic zone				1925	103.1	105.1	2	30	0.4	45
107.59	118.1	catclasite				1926	105.2	106.5	1.3	33	0.4	5
		strongly silicified and hematized; dark red brown aphanitic to very fine grained groundmass with quartz porphyroblasts; pervasive carbonitization; weak to moderate seritization. Abundant vein breccia and quartz-carb. veining at top of section; pyrite 1%-2% throughout locally 5%; trace chalcopryrite as disseminations and vein filling; mafic dyke 10 cm wide at 112.1 m 5 mm chilled margin; lower contact with foliated quartz diorite; hematization weakening approaching contact				1927	106.5	108.3	1.8	5	0.3	15
			dike			1928	108.3	109.4	1.1	24	0.4	-
			60			1929	109.4	111.1	1.7	5	0.1	-
118.1	157.06	quartz diorite				1930	111.1	112.7	1.6	18	0.1	100
		equigranular; medium to coarse grained; dark gray; weakly hematized; pervasively carbonatized with occasional thin mafic horizons less than 5 cm; minor less than 1% disseminated fine grained pyrite	fol.			1931	112.7	114.2	1.5	15	0.3	10
		foliation fades out by 122.23 metres; abundant hairline quartz-carbonate; chlorite +/- epidote; hematite veins with random orientation occasionally containing specular hematite; weakly to moderately magnetic throughout to 134.3 metres	30			1932	114.2	115.7	1.5	22	0.3	65
		134.6 to 137.2m increase in vein size	fol.			1933	115.7	117.6	1.9	15	0.3	10
		148.0 to 152.0m large euhedral py up to 1 cm with 1%-2% disseminated pyrite	50			1934	117.6	118.5	0.9	55	0.4	-
		155.77 to 156.4m mafic volcanic dyke with 5 mm chilled margin upper contact at 50 degrees; lower contact				1935	133.7	135.5	1.8	23	0.1	-
						1936	135.5	137.5	2	20	0.2	50
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						1939	148.1	149.3	1.2	180	0.6	420
						1940	149.3	151.9	2.6	89	0.1	310
			70									
157.06	163.55	catclastic quartz diorite				1941	157	158.5	1.5	58	0.5	-
		increase in hematization and silicification at top of section becoming progressively more brecciated to 160 metres then grading back to quartz diorite as above; quartz vein at 162.51 metres	vein			1942	158.5	159.7	1.2	25	0.2	-
		dark green and red brown; pyrite locally up to 5% in stringers; 162.51-163.55 barren milky quartz vein pervasive carbonatization; trace chalcopryrite	top 15			1943	159.7	161.4	1.7	10	0.3	70
			65			1944	161.4	162.6	1.2	95	0.8	30
						1945	162.6	163.5	0.9	20	0.4	55
			bottom			1946	163.5	164.6	1.1	42	0.2	-

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						From	To		Cu	Ag	Au
		to cataclastic quartz diorite			1977	230.2	231.7	1.5	155	0.4	170
270.6	273.62	cataclastic quartz diorite	fol.		1978	233.2	233.9	0.7	180	0.4	35
		pale to medium green fine grained brecciated, foliated bands of medium grained quartz diorite, intense chloritization throughout minor epidote and hematite	45		1979	231.7	233.2	1.5	170	0.8	50
					1980	233.9	235.4	1.5	171	0.1	60
					1981	235.4	236.8	1.4	1080	0.8	40
273.62	280.25	quartz diorite			1982	236.9	238.4	1.5	207	0.4	180
		pale green fine to medium grained equigranular with fine to very fine grained shear zones, chloritic, minor epidote			1983	247.5	248.2	0.7	215	0.8	40
280.25	286.12	cataclasite			1984	256.4	257.4	1	450	0.4	20
		280.25-281.76 metres pale green cataclastic quartz diorite as above with thin less than 1 cm massive pyrite bands (trace chalcopyrite)			1985	257.4	259	1.6	252	0.6	100
		281.76-285.3 metres dark red moderately siliceous very fine grained quartz; carbonate, sericite groundmass with 1-5 mm quartz porphyroblasts, pyrite + chalcopyrite approximately 2%; weak chloritization	fol.	45	1986	259	261	2	35	0.4	180
		285.3-286.12 metres gray green as above			1987	270.7	272.1	1.4	700	0.4	380
					1988	272.2	273.7	1.5	225	-	240
					1989	275.4	277	1.6	87	0.2	70
					1990	277	278.5	1.5	163	0.3	90
286.12	286.57	sericite schist	fol.		1991	278.5	279.9	1.4	140	0.2	-
		contact zone with pale to medium gray green quartz; carbonate chlorite schist - completely sericitized	40		1992	279.9	280.4	0.5	1050	1.6	300
					1993	280.4	281.9	1.5	131	0.4	1000
					1994	281.9	282.9	1	87	-	35
286.57	295	chlorite carbonate schist			1995	282.9	284.4	1.5	290	-	-
		286.57 to 287.81 metres medium gray green with 15% thin, less than 1 cm, quartz carbonate veins parallel to foliation 1X-2X pyrite, kink folds axial plane 45 degrees to core	fol.		1996	284.4	285.2	0.8	96	0.1	-
					1997	285.2	286.1	0.9	63	-	100
					1998	286.1	287.4	1.3	66	0.2	130
					1999	287.4	288.7	1.3	160	0.3	20
		287.51 to 295.0 metres weakly hematized dark gray green, vein density decreasing	fol.		2000	288.7	290.2	1.5	189	0.4	10
					2001	290.2	293	2.8	125	0.3	10
					2002	293	294.5	1.5	120	0.4	-
295	306.7	tafic lapilli tuff			2003	301.2	301.9	0.7	200	0.4	-
		medium to dark green weakly foliated fine to medium grained, occasional quartz carbonate veins, moderately chloritic									
		END OF HOLE	ANGLE	57							

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar: -60	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. IS-22176 P
Date Hole Started 20/10/86	Date Completed 23/10/86	Date Logged	306.7 m. -54		Location (Twp, Lot, Con. or Lat. and Long.) Halcrow Twp., 47 48'N, 82 56'W	
Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Logged by J. Chapman			Property Name Regal - Swayze	
		Submitted (sign)				

Meterage From	To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays		
							From	To		Cu	Ag	Au
0	1.8	Overburden										
1.8	6.09	Cataclastic quartz diorite	Brecciated and silicified with moderate hematization and strong chloritization; chlorite carbonate +/- epidote veinlets occur approx 1 per 1 cm. Generally hairline but up to 1cm thick; quartz tourmaline ? veins at 3.65 (25cm) and 6.09m (10cm) true, conformable with foliation; massive chlorite selvages 1cm thick at vein boundaries at 6.09m; chalcopyrite blebs in veins; pyrite <<1%	fol 30 fract 45		2004 2005	5.9 2.9	6.3 4.1	0.4 1.2	780 15	0.8 0.1	- -
6.09	8.97	Quartz diorite porphyry	Foliated dark gray green speckled appearance due to quartz and feldspar porphyroclasts in a finer grained matrix; silicification and chloritization decreasing with depth, hematization increasing; grain size decreasing; 10cm quartz carbonate chlorite vein at 8.97m	fol 45		2006	8.2	9.6	1.4	30	0.4	-
8.97	12.97	Cataclastic quartz diorite	Weakly hematitic and siliceous at the top becoming more chloritic to bottom; 6 conformable quartz-carbonate veins 1-3cm wide; short <15cm sheared sections	fol 60								
12.97	16.87	Cataclasite	Pale gray green, strongly sericitic, moderately chloritic and carbonatized along randomly oriented hairline fractures; porphyroblasts; <1mm; very similar in colour to groundmass; pyrite is fine to very fine disseminations 1-2%	fol 50		2007 2008 2009 2010 2011	13 14.6 16.4 17.8 19.1	14.6 16.4 17.8 19.1 19.7	1.6 1.8 1.4 1.3 0.6	19 20 25 21 75	0.2 0.4 0.3 0.3 0.5	- - - - -
16.87	27.42	Cataclasite	As above but darker gray with patchy appearance; foliation less pronounced. 18.82-19.57m strongly oxidized quartz diorite band; fragment size generally 1mm; locally weak to moderately siliceous	fol 60		2012 2013 2014 2015 2016	19.7 21.2 22.6 24.2 25.7	21.2 22.6 24.2 25.7 27.4	1.5 1.4 1.5 1.5 1.7	21 13 14 21 20	0.1 0.4 0.2 0.3 0.2	- - - - -
27.42	45.86	Cataclasite	Moderate hematization superimposed on chloritic section above; fragment size range <5mm to >2mm; moderate silicification strongly sericitic groundmass; approx 5% blue quartz fragments; hairline quartz carbonate fractures 3 per 1cm; 1-2% dissemin py	fol 45		2034 2035 2036 2037 2038	27.4 29 31.2 32.5 34.5	29 31.2 32.5 34.5 36.3	1.6 2.2 1.3 2 1.7	20 19 20 23 58	0.13 0.2 0.24 0.13 0.09	- - - 0.005 0.005
34.41	34.71	Cataclasite	Moderately silicified; strongly hematized groundmass with 5% fragments of blue white quartz upto 3mm; 4 per 1 cm white quartz-carbonate veins conformable with foliation			2039 2040 2041	36.3 37.9 38.9	37.9 38.9 40.9	1.6 1 2	15 15 19	0.02 0.04 0.17	- - -
38.35	39.11	Cataclasite brecciated	Large (1-2 cm) fragments of quartz; carbonate; feldspar outlined by thin chlorite carbonate foliations; 2-3% pyrite greenish beige			2042 2043 2044	40.9 42.2 43.7	42.2 43.7 45	1.3 1.5 1.3	17 15 20	0.14 0.07 0.01	- - 0.02

DIAMOND DRILL LOGS

Drilling Company D.W. Coates		Collar Elevation	Bearing from True North	Dip of hole at Collar -60	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22176 P
Date Hole Started 20/10/86	Date Completed 23/10/86	Date Logged	208	306.7 m. -54		Location (Twp., Lot, Con. or Lat. and Long.) Halcrow Twp., 47 48'N, 82 56'W	
Exploration Co., Owner or Optionee Regal Petroleum Ltd.		Date Submitted	Submitted (sign)			Property Name Regal - Swayze	

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays		
						From	To		Cu	Ag	Au
125.33	138.8	quartz diorite dark gray moderately hematitic with approximately 25% quartz diorite weak to moderate chloritization and silicification, pyrite 1-2% as disseminations and thin 1-3 mm stringers			9816	124.5	125.3	0.8	174	0.09	-
					2083	125.3	126.4	1.1	55	0.01	-
					2084	128.3	129.2	0.9	70	0.04	-
					2085	129.7	130.6	0.9	69	0.06	-
					2017	130.7	131.4	0.7	345	0.5	-
					2018	134.5	135.1	0.6	28	0.4	-
					2019	135.1	136.2	1.1	40	0.1	-
					2020	136.2	137.4	1.2	50	0.5	-
					2021	137.4	137.8	0.4	46	0.4	0.23
					2022	137.8	138.7	0.9	75	0.4	-
138.8	151.22	cataclasite pale greenish gray weak to moderately siliceous, very fine grained quartz, chlorite, sericite, carbonate groundmass, 1 cm quartz sericite vein with carbonate selvages and scattered euhedral magnetite crystals 1-2 mm at 143 m, 138.8 to 139.8 m cataclastic quartz diorite, brecciated 171.9-173.3 m. Magnetic diabase dike at 149.75-150.3 m, fault gouge at 149.85 m, grades into CQD at 149.5 m sulfide 1 to 5% pyrite + trace cp	contact		2023	138.7	140.4	1.7	20	-	-
			30		2024	140.4	141.2	0.8	26	0.4	-
					2025	141.2	142.4	1.2	15	0.4	-
					2026	142.4	143.2	0.8	7	-	-
					2027	143.2	144.2	0.9	95	0.2	0.006
					2028	144.2	145.1	0.9	50	0.2	-
					2029	145.1	146	0.9	16	-	-
					2030	146	147	1	200	1	0.219
					2031	147	148.3	1.3	70	0.4	-
					2086	148.3	150	1.7	82	0.04	-
151.22	288.99	quartz diorite medium to coarse grained, dark gray, pervasive carbonatization, locally foliated, small 1-3 cm quartz veins, magnetic biotite lamprophyre dyke at 157.83 m (38 cm), 158.41 m (1.8 m) 160.36-176.68 m - increase in chloritization and chalcopyrite upto 1% locally both disseminated and in veins, py increasing to 5% overall, 15% over 10-20 cm, moderate silicification	dike		2087	150.4	151.2	0.8	40	0.09	-
					2088	151.2	152	0.8	112	0.09	-
					2089	152	152.6	0.6	204	0.1	-
					2090	160.3	161.1	0.8	332	0.09	-
					2091	161.1	162.1	1	1120	0.08	-
					2092	162.8	163.6	0.8	850	0.25	-
					2093	163.6	164.7	0.9	84	0.01	-
					2094	164.7	165.1	0.4	1050	0.01	0.014
					2095	165.1	166.1	1	310	0.01	0.01
					2096	166.1	167.3	1.2	1330	0.05	0.014
		2097	167.3	168.2	0.9	950	0.03	0.016			
		2098	168.2	169.9	1.7	1900	0.04	0.02			
		2099	169.9	170.5	0.6	1700	0.1	0.05			
		2100	170.5	171.9	1.4	640	0.06	0.026			
		2101	171.9	172.8	0.9	309	0.06	0.016			
		2102	172.8	173.9	1.1	10	0.06	0.022			
		2103	173.9	175.1	1.2	235	0.23	0.028			
		2104	175.1	176.2	1.1	167	0.01	0.014			
		2105	176.2	177.4	1.2	55	0.09	-			
		241.58-242.38 m - short cataclastic zone 1-3% pyrite + cp	fol.	45							

DIAMOND DRILL LOGS

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22176 P
Date Hole Started 20/10/86	Date Completed 23/10/86	Date Logged	208 306.7 m -54			Location (Twp., Lot, Con. or Lat. and Long.) Halcrow Twp., 47 48'N, 82 56'W
Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Submitted (sign)	J. Chapman m.			Property Name Regal - Swayze

Meterage From	To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays		
							From	To		Cu	Ag	Au
			258.20-273.17 m - increased sulfides pyrite + chalcopyrite 2-5% related to increased quartz veining approximately 10%, cataclastic zone at base			2106	177.4	178.4	1	35	0.09	-
						2107	178.4	179.5	1.1	120	0.1	-
						2108	185.4	186.6	1.2	114	0.05	-
						2109	191.9	192.9	1	341	0.09	-
			275.84 m - 20 cm mafic volcanic dike	70		2110	192.9	193.9	1	288	0.14	0.005
288.99	291.4	cataclastic quartz diorite	dark gray, moderately carbonatized and silicified, weakly chloritic, 5% pyrite, trace chalcopyrite			2111	193.9	194.8	0.9	180	0.11	-
						2112	198.2	199.1	0	120	0.1	-
						2113	224	225.3	1.3	103	0.13	0.005
291.4	294.9	cataclasite	medium to dark green, moderate silicification chloritization 2-3% py. very fine grained with <15% quartz porphyroblasts-almost mylonite	fol.		2114	225.3	226.5	1.2	114	0.01	-
						2115	228.6	229.7	1.1	116	0.16	-
						2116	229.7	231	1.3	181	0.02	-
294.9	301.5	chlorite carbonate schist	green to brownish green schist with abundant carbonate bands and minor quartz veining	50		2117	231	231.8	0.8	79	0.01	0.006
						2118	231.8	233	1.2	129	0.4	0.012
						2119	233	234.4	1.4	45	0.05	-
301.5	306.7	mafic lapilli tuff	medium green, very fine grained, 1-3 mm fragments, quartz carbonate, chlorite epidote vein 40 cm at 303.4 m, strongly hematized, <1% sulfides in tuff	fol.		2120	234.4	235.1	0.7	332	0.08	0.005
						2121	238	239.4	1.4	335	0.05	-
						2122	240.9	241.6	0.7	181	0.02	-
						2123	241.6	242.6	1	205	0.05	-
						2124	258.4	259	0.6	109	0.08	-
						2125	261	261.7	0.7	210	0.03	-
			END OF HOLE	54		2126	262.4	263.2	0.8	55	0.04	-
						2127	263.2	264.5	1.3	164	0.01	-
						2128	264.5	266	1.5	300	0.13	0.02
						2129	266.1	267.1	1	174	0.06	0.012
						2130	267.1	268.1	1	1090	0.14	0.072
						2131	268.1	268.8	0.7	610	0.1	0.05
						2132	268.8	269.8	1	520	0.05	0.044
						2133	269.8	271.7	1.9	800	0.09	0.012
						2134	271.7	272.2	0.5	1270	0.15	0.08
						2135	272.2	273.4	1.2	210	0.05	0.008
						2136	277.6	278.7	1.1	182	0.04	0.016
						2137	278.7	280	1.3	133	0.06	0.012
						2138	280	281.3	1.3	37	0.05	0.005
						2139	281.3	282.7	1.4	100	0.06	0.01
						2140	282.7	284.2	1.5	125	0.11	0.01
						2141	284.2	285.7	1.5	165	0.07	0.006
						2142	285.7	287.2	1.5	145	0.03	0.006
						2143	287.2	288.9	1.7	140	0.05	0.008
						2144	288.9	290.1	1.2	372	0.06	0.02

DIAMOND DRILL LOGS

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar -60	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22176 P
Date Hole Started 20/10/86	Date Completed 23/10/86	Date Logged	208 306.7 m. -54		Location (Twp., Lot, Con. or Lat. and Long.) Halcrow Twp., 47 48'N, 82 56'W	
Logged by J. Chapman	Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Submitted (sign)		Property Name Regal - Swayze	

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays		
						From	To		Cu	Ag	Au
					2145	290.1	291.6	1.5	570	0.03	0.044
					2146	291.6	292.7	1.1	30	0.04	0.032
					2147	292.7	293.8	1.1	46	0.06	0.012
					2148	293.8	295	1.2	67	0.05	-
					2149	303.4	303.9	0.5	65	0.04	-

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar: -65	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. IS-22176 P
Date Hole Started 24/10/86	Date Completed 26/10/86	Date Logged	218	285.4 m. 52	Location (Twp., Lot, Con. or Lat. and Long.) Halcrow Twp., 47 58'N, 82 56'W	
Logged by J. Chapman	Date Submitted	Submitted (sign)			Property Name Regal - Suayze	
Exploration Co., Owner or Optionee Regal Petroleum Ltd.						

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.) From To	Sample Length (m.)	ppm Cu	Assays Ag	ppb Au
0 1.8	Overburden									
1.8 5.07	Cataclastic quartz idiorite/ cataclasite	Depth of strong oxidization, reddish brown, moderately siliceous, weakly carbonatized along quartz; chlorite, carbonate veins, quartz porphyroblasts and relict feldspars up to 2mm in aphanitic to very fine grained groundmass; 1% pyrite	fol 45		2170	5 6.2	1.2	26	0.04	0.005
5.07 18.77	Cataclasite	Fine grained, groundmass of quartz, carbonate, sericite, chlorite, patchy epidote with quartz porphyroblasts 0.5-2mm, carbonatization weak to moderate predominantly along vein and foliations, large quartz veins 2-10cm most parallel to foliation; moderate hematization and chloritization producing weakly banded or patchy effect. 1-2% pyrite, trace chalcocopyrite	veins 40-45		2171	6.2 7.4	1.2	24	0.05	-
					2172	7.4 8.6	1.2	20	0.02	-
					2173	8.6 9.3	0.7	20	0.01	-
					2174	9.3 10.2	0.9	30	0.02	-
					2175	10.2 11.2	1	55	0.02	-
					2176	11.2 12.3	1.1	11	0.01	-
					2177	12.3 13.5	1.2	9	-	-
					2178	13.5 14.7	1.2	18	-	-
					2179	14.7 16	1.3	17	0.01	0.005
18.77 26.22	cataclasite siliceous	predominantly brick red strongly silicified, with 10% quartz veining (plus/minus carbonate, chlorite, epidote, hematite) pervasive weak carbonatization, chloritization moderate, undulatory foliation mostly 45 degrees but also 0 degrees			2180	16 17.3	1.3	13	-	-
					2181	17.3 18.9	1.6	20	-	-
					2182	18.9 20.7	1.8	10	0.02	-
					2183	20.7 21.9	1.2	10	-	-
					2184	21.9 23.1	1.2	6	0.01	-
26.22 31.03	cataclasite siliceous	banded reddish orange and green, strongly siliceous with weak carbonatization and moderate chloritization in green bands, quartz porphyroblasts less than 25%, thin chlorite-epidote envelopes about quartz carbonate veins, approximately 1% sulfides	fol 10-45		2185	23.1 24.2	1.1	5	-	-
					2186	24.2 25	0.8	4	0.05	-
					2187	25 26.1	1.1	4	0.02	-
					2188	26.1 27.6	1.5	15	0.02	-
					2189	27.8 28.7	0.9	5	0.03	-
31.03 31.94	cataclasite siliceous	intense chlorite sericite epidote alteration with moderate silici- fication	fol		2190	28.7 29.6	0.9	10	-	-
31.94 34.12	cataclasite siliceous	dark red brown, patchy and banded, strong hematization	50		2191	29.6 30.8	1.2	5	-	-
34.12 55.21	cataclasite	gray green with occasional hematitic and bleached zones generally 2-70 cm wide parallel to foliation, very fine grained groundmass quartz, chlorite, sericite, carbonate, epidote with 20%-40% quartz porphyroblasts 0.5-2 mm, minor crosscutting quartz carbonate veins less than 1 cm, 1%-2% pyrite, moderate to strong silicification, chlorite, epidote alteration mostly restricted to hairline fractures and foliation planes, 15 cm pale green aphanitic mylonite at base of section	fol 45		2192	30.8 31.9	1.1	7	-	-
					2193	31.9 33.1	1.2	10	-	-
					2194	33.1 34.3	1.2	10	-	-
					2195	34.3 35.7	1.4	9	-	-
					2196	35.7 37.1	1.4	10	0.02	-
					2197	37.1 38.5	1.4	15	0.01	-
					2198	38.5 39.4	0.9	17	-	-
					2199	39.4 40.3	0.9	16	-	-
					2200	40.3 41.8	1.5	19	-	-
					2201	41.8 43	1.2	20	-	-
					2202	43 44.2	1.2	19	-	-
55.21 65.4	cataclasite strongly	fine to medium grained groundmass resulting in patchy appearance becoming more banded with depth pale to medium green and beige to	40-50		2203	44.2 45.3	1.1	24	-	-
					2204	45.3 46.6	1.3	15	-	-

DIAMOND DRILL LOGS
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Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar: -65	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22176 P
Date Hole Started 24/10/86	Date Completed 26/10/86	Date Logged	285.4 m.	52	Location (Twp./Lat./Con. or Lat. and Long.) Halcrow Twp., 47 58'N, 82 56'W	
Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Logged by J. Chapman			Property Name Regal - Swayze	

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm Cu	Assays ppb	
						From	To			Ag	Au
123.5	227 massive quartz diorite massive	carbonatized, overall less than 1% pyrite plus cp. locally (less than 20 cm) 1%-2%; minor chlorite epidote +/- hematite veining generally at high angles lighter gray than above, fresher, with chlorite epidote, and hematite specularite veinlets 146.6 - 165m - abundant hematite veinlets random attitudes some containing specular hematite 151.62-152.08 m - 15% pyrite in lenses and quartz veins 153.5-165 m - hematite carbonate veinlets 167-171 m - 2%-5% pyrite, start of foliated quartz diorite, trace cp. 181.45-183.55 m - mafic volcanics with 5% veining minor 1% pyrite 185-188.2 m - 20% cataclastic quartz diorite 2%-5% pyrite, trace cp 202.8-204.6 m - less than 1% disseminated chalcopyrite 221.16-222.9 m - silicified carbonatized locally cataclastic quartz diorite 222.9-223.7 m - biotite lamprophyre			2244	93.3	94.8	1.5	12	0.02	-
					2245	94.8	96.3	1.5	15	0.06	-
					2246	96.3	97.4	1.1	20	0.02	-
					2247	97.4	98.4	1	17	0.03	-
					2248	98.4	99.1	0.7	9	0.02	-
					2249	99.1	100.1	1	11	0.03	-
					2250	100.1	101.2	1.1	18	0.05	-
					2251	101.2	102.3	1.1	11	0.09	-
					2252	102.3	103.5	1.2	10	0.03	-
					2253	103.5	104.8	1.3	42	0.06	-
					2254	104.8	105.8	1	460	0.01	0.006
					2255	116.1	116.6	0.5	150	0.03	-
					2256	121.5	122.5	1	41	0.02	-
					2257	122.5	123.3	0.8	70	0.07	-
		2258	136.2	136.7	0.5	310	0.11	0.006			
		2259	137.1	138.1	1	540	0.08	-			
		2260	146.4	147.8	1.4	36	0.07	-			
		2261	151.5	152.7	1.2	372	0.06	0.02			
227	236.58 quartz diorite foliated	with 20% cataclastic zones, patchy moderate silicification and hematization, 1-2% pyrite and chalcopyrite locally upto 5% over less than 10 cm, pervasive carbonatization, 12 cm quartz vein with 5-10% py and cp	fol		2262	153.6	154.4	0.8	85	0.05	0.008
					2263	155.8	156.3	0.5	8	0.05	-
			45-60		2264	164.6	165.2	0.6	70	0.12	-
			vein		2265	165.3	166.2	0.9	70	0.06	-
			40		2266	166.2	167.1	0.9	157	0.03	-
					2267	167.1	168.1	1	189	0.09	-
					2268	168.1	169	0.9	960	0.04	-
					2269	169	169.9	0.9	308	0.03	0.014
					2270	169.9	171.2	1.3	325	0.02	0.006
					2271	173.1	174.1	1	121	0.26	-
					2272	174.1	175.1	1	51	0.04	0.014
					2273	180.6	181.4	0.8	205	0.05	0.016
					2274	181.4	182.4	1	82	0.06	-
					2275	182.4	183.5	0.9	36	0.88	-
		2276	185.4	186.4	1	900	0.13	0.02			
		2277	186.4	187.3	0.9	40	0.05	-			
		2278	187.3	188.1	0.8	86	0.07	-			
		2279	188.1	188.6	0.5	300	0.1	0.005			
		2280	189.7	190.6	0.9	141	0.06	0.012			
		2281	194.1	194.6	0.5	210	0.06	0.006			
		2282	202.5	203.5	1	800	0.03	0.018			

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar: -65	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22176 P
Date Hole Started 24/10/86	Date Completed 26/10/86	Date Logged	285.4 m	52	Location (Twp, Lot, Con. or Lat. and Long.) Halcrow Twp., 47 58'N, 82 56'W	
Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Logged by J. Chapman	Submitted (sign)		Property Name Regal - Swayze	

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm Cu	Assays ppb Ag Au	
						From	To				
236.8	247.03	quartz diorite foliated	medium grained, dark gray with short intervals, less than 20 cm, weak hematization, at 241.48 metres, 25 cm biotite lamprophyre dyke	fol 45-50	2283	203.5	204.6	1.1	970	0.07	0.006
				dike	2284	206.3	207.4	1.1	292	0.02	0.016
247.03	251.8	catclasite siliceous	pale gray blue, aphanitic to very fine grained groundmass, strong silicification with weak chloritization, carbonitization and hematization, minor sericite, intensely fractured (hairline), 1%-2% disseminated fine grained pyrite, gradual increase in sulfide content with depth, less than 15% quartz porphyroblasts	fol 40-50	2285	207.4	208.3	0.9	96	0.02	-
					2286	213.9	214.9	1	125	0.02	0.016
					2287	215.6	216.5	0.9	139	-	-
					2288	221	222	0.9	41	0.02	-
					2289	222	222.9	0.9	46	0.01	0.016
					2290	226.8	227.5	0.7	99	0.01	0.022
					2291	228.5	229.4	0.9	87	0.04	0.028
251.8	256.38	catclasite brecciated	as above with increasing chloritization and quartz veining approximately 10% narrow veins less than 5 cm wide, blue mineral in fracture	fol	2292	229.4	230.3	0.9	48	0.03	-
					2293	230.3	231.4	1.1	159	0.01	0.026
					2294	231.4	232.3	0.9	244	0.03	0.026
					2295	232.3	233.3	1	91	0.06	0.032
256.38	260.46	catclasite silicified contact zone	pale gray green brecciation probably annealed by silicification fuchsite, pyrite up to 5%, stringers more prevalent, chloritization increasing with depth, blue mineral in fracture	fol 45	2296	233.3	234.1	0.8	160	0.07	0.012
					2297	234.1	235.1	1	89	0.01	0.01
					2298	235.1	236.6	1.5	1010	0.06	0.052
					2299	237.1	237.8	0.7	112	0.03	0.01
260.46	267.2	chlorite carbonat schist	dark green chloritic bands with interbanded white carbonate 1 cm maximum thickness of bands, most 1-4 mm, 1%-2% pyrite predominantly disseminated some kink banding and small scale folds in bands parallel to core	fol 40-50	2169	245.7	246.6	0.9		0.06	-
					2168	246.6	247.7	1.1	50	0.26	0.008
					2163	248.5	249.2	0.7	26	0.04	-
					2164	249.2	250.2	1	15	0.01	-
267.2	280.32	mafic lapilli tuff	fine grained dark green with thin less than 1 mm flattened fragments 2-5 mm long, weakly calcareous, less than 1% pyrite occasional thin, less than 2 cm, quartz carbonate veins	fol 45	2165	250.2	251.3	1.1	30	0.01	0.006
					2166	251.3	252.2	0.9	10	-	0.006
					2167	252.2	253.2	1	10	-	0.006
					2156	253.2	253.7	0.5	35	0.01	-
280.32	283.51	biotite lamprophyre dyke	mafic dyke with approximately 30% carbonate	35-40	2157	253.7	255.2	1.5	158	0.07	0.034
					2158	255.2	256.1	0.9	990	0.03	-
					2159	256.1	257	0.9	148	0.01	0.02
283.51	285.36	mafic lapilli tuff	as above	fol 40	2160	257	257.7	0.7	84	0.03	0.04
					2161	257.7	258.5	0.8	22	0.11	0.064
					2162	258.5	259.6	1.1	21	0.02	0.058
					2150	259.7	260.3	0.6	10	0.05	0.096
					2151	260.3	261.3	1	60	0.07	0.01
					2152	261.3	262.2	0.9	45	0.04	0.005
					2153	262.2	263.1	0.9	68	0.08	-
					2154	263.1	264.3	1.2	75	0.01	-
					2155	264.3	265.5	1.2	53	0.02	-

END OF HOLE

52

ANGLE OF HOLE

Drilling Company D.W. COATES		Collar Elevation	Bearing from True North 210 degrees	Dip of hole at Collar -65	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22146
Date Hole Started Oct. 27, 1986	Date Completed Oct. 30, 1986	Date Logged	Logged by J. Chapman	276.2 m.	57	Location (Twp., Lot, Con. or Lat. and Long.) Halcrow Twp. 47 48'N, 82 56'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.		Date Submitted	Submitted (sign)			Property Name REGAL - SWAYZE	

Meterage From	To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm. Assays + oz/ton		
							From	To		Cu	Ag	Au
0	7.92	Overburden										
7.92	12	Cataclasite	strongly silicified, moderately hematized, weak chloritization and carbonitization 10.6 to 12 metre chloritization dominant 1 - 2% very fine grained pyrite, fine grained quartz, chlorite minor sericite, carbonate ground mass with 20 - 40% quartz porphyroblasts less than 0.5 mm.	fol 40		2300 2301 2302 2303 2304 2305	8 8.8 9.6 10.8 14.9 16.4	8.8 9.6 10.8 12.1 16.4 17.3	0.8 0.8 1.2 1.3 1.5 0	11 16 12 31 7 5	0.02 - 0.02 - 0.04 0.02	- - - - - -
12	15.07	Mafic volcanic dike	fine to very fine grained dark gray green, 20 - 35% carbonate carbonate - hematite veinlets parallel to upper contact	dike 25 45		2306 2307 2308	17.3 18.2 19.3	18.2 19.3 20.1	0.9 1.1 0.8	10 10 5	- - 0.01	- - -
15.07	41.61	Cataclasite siliceous	pale red brown strongly silicified, moderately hematized and chloritized, weakly carbonatized, abundant hairline chlorite, hematite, carbonate fractures, fine grained quartz chlorite groundmass with minor carbonate, 1% pyrite, 10 to 30% quartz porphyroblasts less than 1mm, 2 - 20 cm quartz carbonate chlorite plus/minus epidote, tourmaline, hematite, slight colour changes depending on relative strength of hematization and chloritization 26.98 - 30.27 metre - predominantly brick red with hairline quartz chlorite plus/minus epidote fractures to 2 cm veins 36.25 - 37.25 metre - brick red intensely siliceous locally brecciated 2 - 2 cm quartz, carbonate tourmaline veins conformable with foliation	fol 35-45 veins 20-45 fol 35-45		2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321	20.1 21.2 22.2 23.1 23.6 24.6 25.8 26.9 28.1 29.1 30.1 31.4 32.5	21.2 22.2 23.1 23.6 24.6 25.8 26.9 28.1 29.1 31.4 32.5 33.6	1.1 1 0.9 0.5 1 1.2 1.1 1.3 1 1.3 1.1 1.3	5 9 9 5 8 14 7 9 10 10 35 60 15	- 0.01 0.02 - 0.01 0.01 - 0.03 0.05 0.08 0.06 0.09 0.13	- - - - - - - - - - - - -
41.61	69.1	Cataclasite	pale red brown, fine grained, moderate silicification, chloritization, hematization, carbonatization, 20 - 30% quartz porphyroblasts upto 2 mm, quartz chlorite, carbonate veins parallel to core plus/minus pyrite, epidote also parallel to foliation 52.86-53.46 metres - strongly banded dark red and green	fol 35-45		2322 2323 2324 2325 2326 2327	33.6 34.9 35.8 36.8 37.8 38.5	34.9 35.8 36.8 37.8 38.5 39.4	1.3 0.9 1 1 0.7 0.9	11 8 5 6 6 10	0.13 0.07 0.02 0.02 0.02 0.02	- - - - - -
69.1	72.4	Cataclasite	dark purple red, moderate silicification with abundant hematite, carbonate, chlorite veinlets and fractures, 5/cm, predominantly concordant with foliation but also crosscutting, generally hairline to 3 mm, 20-40% quartz porphyroblasts less than 0.5 to 3 mm, fracture density decreasing with depth, less than 1% pyrite	fol		2328 2329 2330 2331 2332	39.4 40.5 41.6 42.5 44	40.5 41.6 42.5 44 45.2	1.1 1.1 0.9 1.5 1.2	44 15 10 5 10	0.04 0.04 0.02 0.01 0.03	- - - - -
72.4	84.1	Cataclasite	pale red to pale green, moderate carbonatization, generally weak silicification, hematization, chloritization, fine grained quartz, carbonate, chlorite groundmass, 15 - 35% quartz porphyroblasts less	fol 40-50		2333 2334 2335 2336	45.2 46.2 47.5 47.9	46.2 47.5 47.9 48.9	1 1.3 0.4 1	4 5 3 5	0.03 0.05 0.01 0.05	- - - -

DIAMOND DRILL LOGS

Drilling Company D.W. COATES	Collar Elevation	Bearing from True North 210 degrees	Dip of hole at Collar -65	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. IS-22146
Date Hole Started Oct. 27, 1986	Date Completed Oct. 30, 1986	Date Logged	276.2 m. 57	Logged by J. Chapman	Location (Twp., Lot., Con. or Lat. and Long.) Halcrow Twp. 47 48'N, 82 56'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.	Date Submitted	Submitted (sign)	a.	Property Name REGAL - SWAYZE		

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm. Assays ± oz/ton		
						From	To		Cu	Ag	Au
		than 0.5 to 2 mm, occasional veinlets as above. 12 cm vuggy quartz carbonate chlorite vein at 75.5 metre, smaller 1 - 3 cm veins at 75.8 metre, 76.5 metre, 79.9 metre, 80 metre 20 - 40 to core, less than 1 % pyrite	fol	40	2337	48.9	49.8	0.9	8	0.03	-
					2338	49.8	50.6	0.8	5	0.01	-
					2339	50.6	51.8	1.2	5	0.03	-
					2340	51.8	52.9	1.1	10	0.03	-
					2341	52.9	54	1.1	6	0.05	-
84.1	107	Cataclasite darker coloured version of above with moderate to strong silicification, 20 - 50 % quartz porphyroblasts upto 4 mm, 1 - 2 % pyrite, trace specularite on fracture surfaces	fol	45	2342	54	54.9	0.9	10	0.06	-
					2343	54.9	55.8	0.9	5	0.1	-
					2344	55.8	57.3	1.5	5	0.08	-
					2345	57.3	58.7	1.4	4	0.01	-
					2346	58.7	59.3	0.6	5	0.04	-
					2347	59.3	60.1	0.8	9	0.02	-
					2348	60.1	61.2	1.1	6	0.04	-
107	113	Cataclasite as above with only 15 - 30% quartz porphyroblasts less than 1 mm, increase in epidote but still minor, hematite or chlorite - epidote, envelopes rimming some veins and fractures, weak carbonatization	fol	40-45	2349	61.2	62.4	1.2	8	0.04	-
					2350	62.4	63.4	1	6	-	-
					1801	63.4	64.5	1.1	9	0.02	-
					1802	64.5	65.6	1.1	10	0.01	-
					1803	65.6	66.7	1.1	5	0.01	-
113	120.7	Cataclasite as in 84 - 107 metre, longer (upto 4 mm) and more abundant (50%) quartz porphyroblasts, locally banded appearance due to alternating chloritic and hematitic bands generally less than 2 cm thick, occasional cross-cutting veinlets.	fol	45	1804	66.7	67.9	1.2	9	0.01	-
					1805	67.9	69	1.2	9	0.01	-
					1806	69	70	1	5	0.04	-
					1807	70	71.2	1.2	5	0.03	-
					1808	71.2	72.3	1.1	8	0.02	-
120.7	137.65	Cataclasite dull gray brown and greenish brown, 15 - 30% quartz porphyroblasts less than 0.5 - 2 mm in a fine grained quartz, chlorite hematite, minor carbonate ground mass, occasional 5 - 10/metre thin, less than 4 mm, quartz carbonate plus/minus chlorite, hematite cross cutting veinlets, 1 - 2 % disseminated pyrite, silicification moderate at top of section, increasing with depth.	fol	40-45	1809	72.3	73.6	1.3	9	0.01	-
					1810	73.6	74.6	1	5	0.02	-
					1811	74.6	76.75	0.8	5	0.01	-
					1812	75.4	76.3	0.9	4	0.01	-
					1813	76.3	77.5	1.2	4	0.02	-
					1814	77.5	78.5	1	8	0.01	0.008
					1815	78.5	79.5	1	5	0.02	-
					1816	79.5	80.3	0.8	5	0.04	-
					1817	80.3	81.1	0.8	15	0.02	-
					1818	81.1	82.5	0.25	6	0.04	-
					1819	82.5	83.2	0.7	6	0.03	-
					1820	83.2	84.5	1.3	6	0.01	-
					1821	84.5	85.7	1.2	5	0.01	-
					1822	85.7	86.8	1.1	10	0.01	-
					1823	86.8	88.1	1.3	10	0.02	-
137.65	138.6	Cataclasite brick red strongly silicified rubble 1 - 2 % pyrite (very fine)	fol	40-45	1824	88.1	89.3	1.2	9	0.05	-
					1825	89.3	90.7	1.4	8	0.08	-

Drilling Company D.W. COATES		Collar Elevation	Bearing from True North 210 degrees	Dip of hole (at Collar) -65	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. IS-22146
Date Hole Started Oct. 27, 1986	Date Completed Oct. 30, 1986	Date Logged	Logged by J. Chapman	276.2 m. 57		Location (Twp, Lot, Con. or Lat. and Long.) Halcrow Twp. 47 48'N, 82 56'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.		Date Submitted	Submitted (sign)			Property Name REGAL - SWAYZE	

Meterage		Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm. Assays + oz/ton		
From	To						From	To		Cu	Ag	Au
138.6	141.5	Cataclasite	mixed dark red brown and dark green; strongly siliceous less than 20% quartz porphyroblasts; 2 - 4 % pyrite; mostly disseminated with some fine stringers; pervasive carbonatization			1826	90.7	92	1.3	6	0.09	0.005
						1827	92	93	1	7	-	-
						1828	93	93.9	0.9	15	0.06	-
						1829	93.9	94.9	1	6	0.02	-
141.5	144.85	Cataclasite	pale gray; moderate to strongly silicified; weakly chloritic and carbonatized; 2 - 4 % pyrite very fine disseminated; 15 - 25 % quartz porphyroblasts in fine to very fine grained groundmass.			1830	94.9	96.3	1.4	8	0.01	-
						1831	96.3	97.5	1.2	5	0.02	-
						1832	97.5	98.4	0.9	10	0.04	-
						1833	98.4	99.4	1	11	0.01	-
144.85	153.25	Cataclasite	brick red to pale rose; weak to moderate silicification; abundant quartz carbonate plus/minus chlorite; hematite epidote fractures; diminishing with depth; sericitic zone at 147.67 - 148 metres; 1 cm fault gauge at 147.6 metres parallel to foliation. 1 - 2 % pyrite.	fol 40-45		1834	99.4	100.5	1.1	12	0.08	-
						1835	100.5	101.5	1	16	0.06	-
						1836	101.5	102.4	0.9	15	0.01	-
						1837	102.4	103.5	1.1	11	0.04	-
						1838	103.5	104.6	1.1	10	0.04	-
153.25	155	Cataclastic quartz diorite	pink and green; foliated; quartz and relic and feldspar aggregates in a quartz chlorite groundmass; abundant hairline to 5 cm quartz carbonate veins. 1% pyrite.	fol 45		1839	104.6	105.7	1.1	7	0.04	0.005
						1840	105.7	107	1.3	5	0.04	0.01
						1841	107	108.1	1.1	7	0.02	-
						1842	108.1	108.8	0.7	10	0.03	-
						1843	108.8	109.7	0.9	15	0.05	-
						1844	109.7	110.8	1.1	5	0.08	-
				fol 40		1845	110.8	112	1.2	8	0.03	-
						1846	112	113.3	1.3	9	0.2	0.01
						1847	113.3	114.1	0.8	15	0.04	-
						1848	114.1	114.9	0.8	12	0.01	-
						1849	114.9	115.9	1	15	0.02	-
						1850	115.9	117.1	1.1	20	0.06	-
						1851	117.1	118.4	1.3	15	0.01	-
						1852	118.4	119.4	1	10	-	-
						1853	119.4	120.5	1.1	12	0.04	-
						1854	120.5	121.6	1.1	20	0.01	-
						1855	121.6	122.6	1	2	0.05	-
						1856	122.6	123.8	1.1	4	0.04	-
						1857	123.8	124.9	1.1	3	0.02	0.012
						1858	124.9	126.1	1.2	5	-	-
						1859	126.1	127.4	1.3	5	-	-
						1860	127.4	128.4	1	4	-	-
						1861	128.4	129.3	0.9	3	0.04	-
						1862	129.3	130.1	0.8	7	0.02	-
						1863	130.1	131.6	1.5	5	0.02	-
						1864	131.6	133	1.4	7	0.02	-

Drilling Company D.W. COATES	Collar Elevation	Bearing from True North 210 degrees	Dip of hole at Collar -65 276.2 m. 57	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22146
Date Hole Started Oct. 27, 1986	Date Completed Oct. 30, 1986	Date Logged	Logged by J. Chapman		Location (Twp., Lot, Con. or Lat. and Long.) Halcrow Twp. 47 48'N, 82 56'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.	Date Submitted	Submitted (sign)			Property Name REGAL - SWAYZE	

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm. Assays † oxilon			
						From	To		Cu	Ag	Au	
						1865	133	133.9	0.9	6	0.06	-
						1866	133.9	134.9	1	4	-	-
						1867	134.9	136	1.1	10	-	-
						1868	136	136.9	0.9	6	0.03	-
						1869	136.9	138	1.1	7	0.04	-
						1870	138	138.3	0.3	14	0.02	-
						1871	138.3	139	0.7	11	0.05	-
						1872	139	16.25	0.8	6	0.08	-
						1873	139.8	140.6	0.8	10	0.01	-
						1874	140.6	141.5	0.9	25	0.03	-
						1875	141.5	142.4	0.9	16	0.02	-
						1876	142.4	143.5	1.1	25	0.04	-
						1877	143.5	144.7	1.2	20	0.02	-
						1878	144.7	145.7	1	11	-	-
						1879	145.7	146.8	1.1	40	0.05	-
						1880	146.8	147.7	0.9	11	0.01	-
						1881	147.7	148.6	0.9	20	0.03	-
155	167.45	quartz diorite foliated	pinkish gray becoming dary gray with depth, medium grained pervasive carbonitization, moderate chloritization, occasional thin 1 - 5m quartz carbonate veins, 51metre, less than 1% pyrite	fol 45		1882	148.6	149.7	1.1	20	0.06	-
						1883	149.7	150.5	0.8	10	0.01	-
						1884	150.5	151.4	0.9	10	0.04	-
						1885	151.4	152.7	1.3	35	0.02	-
167.45	177.25	cataclastic quartz diorite/ quartz diorite	approximately 50/50 in 1 to 1.5 metre sections, quartz diorite foliated fine grained dark pinkish gray, pervasive carbonatization, 1 - 3% pyrite trace cp., some stringers. Cataclastic quartz diorite grayish pink with patchy brecciated appearance moderately chloritic, 1 - 2% pyrite, weak silicification with patches of quartz.	fol 40 - 45		1886	152.7	153.6	0.9	84	0.02	-
						1887	153.6	154.6	1	69	0.02	0.012
						1888	167.4	168.3	0.9	123	0.03	0.028
						1889	168.3	169.4	1.1	85	0.23	-
						1890	169.4	170.2	0.8	98	0.16	0.03
						1891	170.2	171.4	1.2	179	-	0.018
177.25	226.2	quartz diorite massive	medium gray, medium grained, partly weakly foliated, pervasive carbonatization, less than 1% pyrite 179.25 - 180.1 metres - 5% pyrite in weakly foliated dark gray chloritic quartz diorite 187.9 - 188.8 metres - C.O.D., chloritic, carbonatized end of sag. section at 195 metres.	fol 40 40		1892	171.4	172.4	1	246	0.08	0.005
						1893	172.4	173.3	0.9	219	0.02	0.005
						1894	173.3	174.3	1	61	0.03	0.02
						1895	174.3	175.6	1.3	132	0.02	0.005
						1896	175.6	176.5	0.9	60	0.04	0.005
						1897	176.5	177.4	0.9	228	0.08	0.008
						1898	179.2	180.2	1	650	0.06	0.005
226.2	228.9	cataclastic quartz diorite	pale gray to pinkish gray, medium grained with 10 - 20 cm intervals of fine grained quartz with minor carbonate, chlorite, hematite, weak to moderate silicification 1% pyrite	fol 45		1899	184.9	186.1	1.2	49	0.07	-
						1900	187.9	188.8	0.9	59	0.12	0.005
						1751	188.8	189.7	0.9	76	0.01	-
						1752	189.7	190.3	0.6	350	0.01	0.014
228.9	242.25	cataclastic	pale gray green as above 1 - 5% pyrite stringers and disseminated,			1753	199.9	200.5	0.6	295	0.34	0.005

Drilling Company D.W. COATES	Collar Elevation	Bearing from True North 210 degrees	Dip of hole at Collar -65	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22146
Date Hole Started Oct. 27, 1986	Date Completed Oct. 30, 1986	Date Logged	276.2 m. 57	Logged by J. Chapman	Location (Twp., Lot., Con. or Lat. and Long.) Haircrow Twp. 47 48'N, 82 56'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.	Date Submitted	Submitted (sign)			Property Name REGAL - SWAYZE	

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm. Assays + oz/ton								
						From	To		Cu	Ag	Au						
242.25	250.4	quartz diorite quartz carbonate veining approximately 5% concordant with foliation 238.9 - 240.2 metres - first appearance of blue mineral (alteration product(?) along veins and fractures) 239.3 - 239.8 metres - biotite lamprophyre dyke upper contact lower contact	fol 50 65 25			1754	226.2	227.4	1.2	35	0.13	-					
						1755	227.4	228.3	0.7	48	0.03	-					
						1756	228.3	229.5	1.2	181	-	-					
						1757	229.5	230.1	0.6	1350	0.13	0.02					
						1758	230.1	231	0.9	85	0.32	0.005					
						1759	231	232.1	1.1	156	0.01	0.005					
						1760	232.1	233.5	1.4	25	0.05	-					
						1761	233.5	234.5	1	70	-	-					
						1762	234.5	235.5	1	61	0.01	-					
						1763	235.5	236.5	1	96	0.06	-					
						1764	236.5	237.2	0.7	148	0.09	-					
						1765	237.2	238.1	0.9	990	0.07	0.087					
						1766	238.1	239.2	1.1	70	-	-					
						1767	239.7	240.7	1	49	-	-					
						1768	240.7	241.7	1	50	0.04	-					
250.4	266.05	mylonite siliceous pale to dark red brown, aphanitic to very fine grained with less than 10% quartz porphyroblasts, less than 1 mm, 2 - 5% pyrite predominantly as stringers; intensely silicified, moderate to strong hematization, banded appearance due to dark green chloritic zones and white carbonate bearing bands. Silicification weakening with depth becoming patchy. 261 - 261.35 metres - silicified brecciated zone 5% pyrite 262.3 - 264.38 metres - as above	fol 45 - 55 65			1769	241.7	242.4	0.7	90	0.05	0.01					
						1770	242.4	243.6	1.2	76	0.01	0.012					
						1771	243.6	244.7	1.1	105	0.01	0.028					
						1772	244.7	245.7	1	51	0.06	0.022					
						1773	245.7	246.5	1	35	-	-					
						1774	246.5	247.5	1	32	-	-					
						1775	247.5	248.5	1	193	0.02	-					
						1776	248.5	249.5	1	76	0.09	-					
						1777	249.5	250.5	1	75	0.07	0.022					
						1778	250.5	251.6	1.1	275	0.11	0.02					
266.05	270.5	mylonite as above with approximately 10% mafic volcanic dykes.	fol 40 - 50			1779	251.6	252.2	0.6	30	0.09	0.065					
						1780	252.2	253.1	0	73	0.09	0.03					
						1781	253.1	254	0.9	45	0.04	0.016					
						1782	254	254.9	0.9	15	0.06	0.005					
						1783	254.9	255.7	0.8	26	0.01	0.005					
						1784	255.7	256.7	1	24	0.07	0.01					
						1785	256.7	257.5	0.8	91	0.05	0.016					
						1786	257.5	258.4	0.9	28	0.18	0.012					
270.5	276.2	chlorite carbonate schist dark green moderately hematitic near contact zone decreasing with dept.	fol 45			1787	258.4	259.4	1	51	0.06	0.016					
						1788	259.4	260.3	0.9	16	0.06	0.03					
						1789	260.3	261	0.7	30	0.02	0.022					
						1790	261	261.5	0.5	10	0.07	0.022					
						1791	261.5	267.3	0.8	23	0.04	0.01					
						1792	262.3	263.3	1	15	0.06	0.014					
						end of hole			angle	57							

Drilling Company D.W. COATES		Collar Elevation	Bearing from True North 210 degrees	Dip of hole at Collar -65	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22146
Date Hole Started Oct. 27, 1986	Date Completed Oct. 30, 1986	Date Logged	Logged by J. Chapman	276.2 m. 57		Location (Twp., Lot, Con. or Lat. and Long.) Microm Top. 47 48'N, 82 56'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.		Date Submitted	Submitted (sign)			Property Name REGAL - SWAYZE	

Meterage		Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar	Core	Your	Sample (m.)		Sample	ppm.	Assays †		
From	To			Feature	Specimen	Sample	From	To	Length		Cu	Ag	Au
				Angle	Meterage	No.			(m.)				
						1793	263.3	264.2	0.9	22	0.07	0.006	
						1794	264.2	265	0.8	20	0.07	0.024	
						1795	265	266	1	40	0.02	0.012	
						1796	266	266.8	0.8	57	0.07	0.005	
						1797	266.8	267.8	1	15	0.03	0.01	
						1798	267.8	268.8	1	21	0.04	0.01	
						1799	268.8	270	1.2	31	0.01	0.012	
						1800	270	270.8	0.8	45	0.04	-	
						9801	270.8	271.6	0.8	80	0.05	0.015	
						9802	271.6	272.5	0.9	195	0.05	0.005	

Drilling Company D.W. COATES	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22146 P
Date Hole Started NOV. 26, 1986	Date Completed NOV. 29, 1986	Date Logged	Logged by J. CHAPMAN	Location (Twp., Lot, Con. or Lat. and Long.) HALCROW TOWNSHIP Q+45N/W 47 48'N, 82 57'W		
Exploration Co., Owner or Optionee REGAL PETROLEUM	Date Submitted	Submitted (sign)	Property Name REGAL - SWAYZE			

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays ppb	
						From	To		Cu	Au
0	0.5	overburden								
0.5	5.2	catclasite	fol.							
		oxidized, weak to moderately siliceous, red brown, fine grained with less than 10% porphyroblasts, less than 1% pyrite, top 0.5 metres COD; hairline quartz carbonate fractures throughout, 1%-5%, random orientation	40-55		9851	0.5	1.95	1.45	17	40
					9852	1.95	2.45	0.5	20	-
					9853	2.45	3.95	1.5	24	-
					9854	3.95	6.95	3	40	-
					9855	6.95	8.7	1.75	19	-
5.2	16	catclasite			9856	8.7	9.7	1	21	-
		pale pink to pale green, porphyroblasts less than 3 mm, 20%-50% fine to medium grained groundmass, fractures predominantly quartz-carbonate with lesser hematitic and chlorite-epidote, pyrite less than 1%			9857	11.6	12.7	1.1	27	-
					9858	13.3	14.8	1.5	10	-
					9859	14.8	15.8	1	15	-
					9860	15.8	16.9	1.1	11	40
16	25.3	catclasite/COD	fol.		9861	16.9	18.4	1.5	7	-
		predominantly pale pink and pale green catclasite with approximately 5%-10% pale to dark green cataclastic quartz diorite, catclasite as above, COD generally fine to medium grained groundmass with occasional relict feldspars up to 4 mm, short intervals, 5-20 cm, of possible xenoliths, foliation weak, increasing thickness of veins and fractures, 1-3 mm average but upto 1 cm, random orientation with possible preponderance at 60-80 degrees, weak chloritization and hematization, pyrite less than 1%	40-50		9862	18.4	19.7	1.3	7	-
					9863	19.7	20.8	1.1	9	-
					9864	20.8	21.7	0.9	9	35
					9865	25.1	25.7	0.6	30	-
					9866	25.7	27.1	1.4	9	240
					9867	27.1	28.5	1.4	8	40
					9868	28.5	29.7	1.2	33	40
25.3	35.36	catclasite			9869	29.7	31.3	1.6	10	-
		pale gray green to pinkish gray, fine to medium grained with 10%-30% porphyroblasts less than 1 mm to 3 mm, weak to moderate silicification and chloritization, carbonate primarily in fractures and veinlets, fracture filling predominantly quartz carbonate with lesser hematitic and minor chlorite-epidote, generally less than 1 mm, high angle greater than low angle, minor brecciated zone - 20 cm at 27.5 metres, 20 cm dacitic dyke at 33.4 metres with brecciated lower contact, patchy chloritic zones throughout interval, pyrite less than 1%	dyke 40		9870	31.3	32.3	1	16	-
					9871	32.3	33.4	1.1	15	80
					9872	33.4	34.3	0.9	38	-
					9873	34.3	35.3	1	60	-
					9874	35.3	36.4	1.1	71	65
					9875	36.4	37.9	1.5	68	-
					9791	37.9	39.4	1.5	226	100
					9792	39.4	40.9	1.5	76	-
					9793	40.9	42.3	1.4	35	-
35.36	43	catclasite			9794	42.3	43.3	1	15	-
		medium gray green, weakly hematitic locally moderately siliceous and/or bleached, chloritic bands from 5 cm to 10 cm wide, pyrite approximately 1%, trace cp at 42 metres			9795	43.3	44.5	1.2	27	-
43	50	catclasite	fol.		9796	44.5	45.8	1.3	21	-
		predominantly fine grained with very fine grained sylonitic zone from 45.8 metres; sylonitic zones contain no porphyroblasts, pinkish gray with patchy areas of weak to moderate chlorite epidote alteration,	45		9797	45.8	46.7	0.9	42	-
					9798	46.7	47.6	0.9	20	-

Drilling Company O.W. COATES	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22146 P
Date Hole Started NOV. 26, 1986	Date Completed NOV. 29, 1986	Date Logged	225 m.	60		Location (Twp., Lot, Con. or Lat. and Long.) HALCROW TOWNSHIP D445N/W4 47 48'N, 82 57'W
Exploration Co., Owner or Optionee REGAL PETROLEUM	Date Submitted	Submitted (sign)	J. CHAPMAN 214.3 m.	54		Property Name REGAL - SWAYZE

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm Cu	Assays ppb Au
						From	To			
50	55.5	cataclasite strongly silicified with occasional quartz-carbonate chlorite veins 1 cm to 5 cm wide; locally moderately hematitic; brecciated zones upto 25 cm; very fine grained pyrite approximately 1% disseminated	veins		9799	47.6	48.8	1.2	12	-
			45		9800	48.8	49.9	1.1	24	-
					9840	49.9	50.7	0.8	15	-
					9841	50.7	52.2	1.5	7	-
					9842	52.2	53.6	1.4	12	80
55.5	60.2	cataclasite predominantly fine grained groundmass with 20%-50% prophyroblasts 10.5 mm to 2 mm; shows variation in colour from pale orange (bleached hematitic) to dark green (chloritic) less than 1% pyrite; thin 1-2 mm white quartz carbonate veins approximately perpendicular to foliation	fol.		9843	53.6	55	1.4	11	-
			45		9844	55	56.3	1.3	71	-
					9845	56.3	57.8	1.5	67	-
					9846	57.8	59	1.2	25	-
					9847	59	60	1	12	-
60.2	65.85	cataclasite dark green to dark greenish brown, weakly hematitic at top of interval becoming more chloritic with depth; carbonitization increasing with depth pervasive from 57 metres very finely disseminated	fol.		9848	60	61.5	1.5	36	-
			45		9849	61.5	63	1.5	24	20
					9850	63	64.5	1.5	22	10
					38051	64.5	65.5	1	12	-
					38052	65.5	66.5	1	18	50
65.85	68.9	cataclasite pale gray fine grained with 10%-30% prophyroblasts less than 1 mm; banded appearance due to weakly hematitic and pale bleached bands generally less than 5 cm; pervasive very fine carbonate with few quartz carbonate veinlets; volcanic xenolith at 62.65 metres; silicification increasing with depth pyrite less than 1%	fol.		38053	66.5	67.6	1.1	80	280
			50		38054	67.6	68.6	1	45	205
					38055	68.6	69.4	0.8	22	30
					38056	69.4	70.4	1	24	75
					38057	70.4	71.4	1	7	340
68.9	74.7	cataclasite gray white siliceous with 20% chlorite; minor patchy hematitic zones; locally brecciated; 1%-2% pyrite	fol.		38058	71.4	72.3	0.9	23	30
			50		38059	72.3	73.7	1.4	16	40
					38060	73.7	74.7	1	8	10
					38061	74.7	75.7	1	13	20
					38062	75.7	76.7	1	7	25
74.7	77.7	cataclasite fine to medium grained; pale to brick red locally purple; chlorite epidote alteration strong along occasional fractures restricted to less than 1 cm from veins; pervasive carbonate in upper 2 metres at interval	fol.		38063	76.7	77.7	1	5	-
			40-50		38064	77.7	78.7	1	10	-
					38065	78.7	79.7	1	8	-
					38066	79.7	80.7	1	8	-
					38067	80.7	81.5	0.8	9	-
77.7	83.5	cataclasite predominantly pale gray with lesser pale orange (20-30 cm) and gray green (10-20 cm) intervals; fine to very fine grained; locally moderately siliceous and hematitic 78.5-80.3 metres abundant thin less than 3 mm quartz carbonate; and chlorite (minor epidote) veining; predominantly high angle - 20 cm chloritic breccia at 83.1 metres; weak foliation; less than 1% pyrite	fol.		38068	81.5	82.8	1.3	10	-
			50		38069	82.8	84.4	1.6	11	-
					38070	84.4	85.4	1	12	30
					38071	85.4	86.4	1	11	25
					38072	86.4	87.5	1.1	25	-

Drilling Company D.W. COATES	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. S-22146 P
Date Hole Started NOV. 26, 1986	Date Completed NOV. 29, 1986	Date Logged	225			Location (Twp., Lot., Con. or Lat. and Long.) HALCROW TOWNSHIP D+45N/W 47 48'N, 82 57'W
Exploration Co., Owner or Optionee REGAL PETROLEUM	Date Submitted	Submitted (sign)	J. CHAPMAN 214.3 m.	54		Property Name REGAL - SWAYZE

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm Cu	Assays ppb Au
						From	To			
83.5	93.8	cataclasite dark red brown to dark gray green with approximately 30% porphyroblasts (0.5-3 mm), weakly carbonatized, bleaching related to quartz carbonate veins - bleached envelope from less than 1 cm to 5 cm - not directly related to vein thickness 84.5-92.5 metres - 2%-3% pyrite both disseminated and as stringers, fine to medium grained, less than 2 mm thick 90.2 metres - 25 cm breccia zone with predominantly chloritic matrix - silicification weak to moderate overall, general increase with depth	fol. 60		38073	87.5	88.5	1	16	-
					38074	88.5	89.3	0.8	13	-
					38075	89.3	90.2	0.9	21	-
					38076	90.2	91.3	1.1	13	-
					38077	91.3	92.3	1	10	-
					38078	92.3	93.3	1	14	-
					38079	93.3	94.3	1	7	-
					38080	94.3	95.3	1	12	40
					38081	95.3	96.2	0.9	13	-
					38082	96.2	97.2	1	13	-
93.8	97.8	cataclasite fine grained dark red brown approximately 20% porphyroblasts less than 1 mm moderately siliceous increasing with depth, less than 1% pyrite	fol. 45-55		38083	97.2	98.2	1	20	-
					38084	98.2	99.2	1	11	-
					38085	99.2	100.2	1	11	-
					38086	100.2	101	0.8	15	-
97.8	104	cataclasite pale rose to pale green at contact, 20%-60% porphyroblasts from less than 1 mm to 5 mm mostly 1-2 mm, moderate to strongly siliceous 97.8-101 metres - pale rose to medium red generally quite siliceous, approximately 1% pyrite, minor quartz-carbonate veining less than 1 cm 101-104 - greenish tint due to sericite, fuchsite?, 1%-2% pyrite fault zone at 103 metres	fol. 50-65		38087	101	101.9	0.9	18	-
					38088	101.9	102.9	1.0	36	-
					38089	102.9	104	1.1	36	-
					38090	104	104.8	0.8	75	-
					38091	107.6	109	1.4	15	-
104	127.8	quartz diorite medium grained, weakly foliated with occasional low angle quartz carbonate veins, weak cataclasis over 0.3 metres at contact 104.0-106.0 metres - moderate hematitic alteration weakening with depth 107.4-110.8 metres - massive with several small quartz and quartz-carbonate veins, bleached alteration zones around quartz-carbonate veins (low angle), weakly foliated approaching contact			38092	109	110.8	1.8	42	-
					38093	115.7	116.7	1.2	131	-
					38094	124.7	125.7	1	89	-
					38095	127.7	128.7	1	13	-
					38096	128.7	129.7	1	13	-
127.8	130.25	cataclastic quartz diorite 127.8-128.6 metres, 129.6-130.25 metres, strongly cataclastic zones with weaker less altered interval between red brown with moderate chlorite-epidote alteration, strongly silicified, less than 1% pyrite, 3 creamy white quartz-carbonate veins 1 cm, 1 cm and 5 cm			38097	129.7	130.3	0.6	15	-
					38098	151.9	153.1	1.2	41	185
130.25	164	quartz diorite foliated predominantly medium grained light to dark gray locally weakly chloritized, occasional fine and coarse grained sections, minor erratic quartz carbonate veins	fol. 150- 160		38099	157.7	159.1	1.4	750	310

DIAMOND DRILL LOGS

Drilling Company D.W. COATES	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. IS-22146 P
Date Hole Started NOV. 26, 1986	Date Completed NOV. 29, 1986	Date Logged	Logged by J. CHAPMAN	Location (Twp, Lot, Con. or Lat. and Long.) HALCROW TOWNSHIP 0445N/4W 47 48'N, 82 57'W		
Exploration Co., Owner or Optionee REGAL PETROLEUM	Date Submitted	Submitted (sign)		Property Name REGAL - SWAYZE		

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays ppb		
						From	To		Cu	Au	
164	173.1	cataclastic quartz diorite	fol.		38100	159.1	160.1	1	60	180	
		weakly sheared and altered, fine to medium grained weakly chloritic and hematitic (increasing with depth), approximately 1% pyrite	50		38101	160.5	161.7	1.2			
173.1	175.8	cataclastite			38102	170.1	171.5	1.4		0.034	
		predominantly beige to green fine to very fine grained, porphyroblasts less than 10%, 2%-3% pyrite as disseminations and thin 1-3 mm stringers, weak to moderate silicification, little veining, 15% interbanded mafic volcanics, 40 cm CQD at base of section			38103	171.5	173	1.5			
					38104	173	174	1		0.008	
					38105	174	175	1		0.01	
175.8	178	mafic volcanic			38106	175	175.8	0.8		0.016	
		dark green with 10% quartz carbonate bands less than 1% pyrite			38107	175.8	177.8	2		0.046	
178	179.6	tuff			38108	177.8	178.6	0.8			
		dark purple highly silicified, upto 5% pyrite, little veining			38109	178.6	179.6	1		0.01	
179.6	181.9	mafic volcanic	fol.		38110	179.6	181.9	2.3		0.008	
		as in 175.8-178.0 metres	45		38111	181.9	183.2	1.3			
181.9	197.6	tuff			38112	183.2	185	1.8	66		
		181.9-183.2 metres - grayish purple, intensely siliceous, 1% pyrite chlorite veinlets, 20 cm mafic volcanics lens at 183.0			38113	185	186.2	1.2	37		
		183.2-185.0 metres - mafic volcanic as in 175.8-178.0 metres			38114	186.2	187.3	1.1	32		
		185.0-191.2 metres - CQD/CAT moderate to strongly siliceous, strongly hematitic and chloritic, 4 cm quartz vein at 191.0 metres 1%-3% pyrite trace cp	fol.		38115	187.3	188.3	1	95	445	
		191.2-197.6 metres - CQD/CAT approx 60/40 with 18% mafic volcanics, moderate to strong silicification and chloritization with weak to moderate hematization, 1%-4% pyrite with trace up	50		38116	188.3	189.3	1	33		
					38117	189.3	190.3	1	78	235	
					38118	190.3	191.3	1	26	260	
					38119	191.3	192.2	0.9	67	85	
					38120	192.2	193.2	1	96	60	
					38121	193.2	194.3	1.1	32	75	
197.6	214.3	mafic volcanics	fol.		38122	194.3	195.3	1	26	340	
		dark green with abundant quartz carbonate veining within the first 5 metres of contact, 1%-2% pyrite within 2 metres of contact	60		38123	195.3	196.3	1	20		
					38124	196.3	197.2	0.9	21		
					38125	197.2	198.1	0.9	29		
					38126	198.1	199.5	1.4	54	70	
		END OF HOLE	ANGLE		54						

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. 758314
Date Hole Started 30/11/86	Date Completed 13/12/86	Date Logged	225 169.5 m	50 49	Location (Twp., Lot, Con. or Lat. and Long.) Halcrow Twp. - 5E/6N, 47 48'N, 82 55'30"W	
Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Logged by J. Chapean	Submitted (sign)	Property Name Regal - Swayze		

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm Cu	Assays ppb Au
						From	To			
		along foliation planes) clay alt (?) along foliation planes; minor chlorite along fol. planes; much carb occurs as white stretched out blebs, small feldspar fragments (?) <1mm, <1% disseminated sulphides Narrow white barren quartz vein with a narrow (1m) chlorite seam enclosing it found at 44.1m	fol 45		38252	51.6	53	1.4	70	-
48.2	71.2	Quartz chlorite carbonate sericite schist	fol 45		38250 38251 38249	55.8 57.4 58.8	57.4 58.8 60.2	1.6 1.2 1.4	80 74 67	- - -
71.2	74.7	Graphitic tuff	fol 40-50		38255 38254 38253	73.1 74.6 75.4	74.6 75.4 77.8	1.5 0.8 2.4	57 36 81	- - -
74.7	77.4	Mudstone graphitic								
77.4	95.4	Tuff	fol 45		38257 38258 38259 38260 38261	82.7 83.3 85.5 88.5 94.6	83.3 84.5 86.7 90 96.4	0.6 1.2 1.2 1.5 1.9	52 35 41 60 51	- - - - -
95.4	108.5	Felsic tuff	fol 45-55		38262 38263 38264 38265 38266	97.9 99.4 100.9 102.3 103.8	99.4 100.9 102.3 103.8 105.1	1.5 1.5 1.4 1.5 1.3	40 55 36 54 41	- - - - -

DIAMOND DRILL LOGS

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. 758314
Date Hole Started 30/11/86	Date Completed 13/12/86	Date Logged	225 169.5 m.	50 49	Location (Twp., Lot, Con. or Lat. and Long.) Haltrow Twp. - 5E/6N, 47 48'N, 82 55'30"W	
Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Logged by J. Chapman	Submitted (sign)		Property Name Regal - Swayze	

Meterage		Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays ppm	
From	To						From	To		Cu	Au
			quartz carbonate veins			38267	105.1	105.4	0.3	42	-
106.5	112.4	Tuff (graphitic)	Fine to medium grained, fragments (3m, 20-45% carbonaceous mudstone, <1% pyrite, <3% veining, quartz eyes 10-30%	45		38268	109.4	110.9	1.5	26	-
112.4	119.4	Tuff	As above with mudstone content decreasing (5%, chlorite epidote alteration more evident, locally patchy appearance	50							
119.4	143.3		119.4-123.5m - graphitic mudstone up to 40%, py lenses up to 5m 123.5-125.7m - <20% GM all as small thin 1x5m frags max 125.7-127.2m - GM beds 50% of interval up to 5cm 127.2-132.4m - 30% GM beds lam. and frags. -secondary sericitic fol. overprint at 45; primary foliation at 70 at 132.4m 132.4-143.3m - <15% GM frags, over top 3m < 3% over remainder of interval 140.6m - sericitic overprint opposite primary foliation angles as above, rotated 90	45		38269 38270 38271 38272 38275 38273 38274	120.1 121.2 125.4 128.3 139.9 143 144.5	121.2 122.7 126.8 129.8 141.1 144.5 145.7	1.1 1.5 1.4 1.5 1.5 1.5 1.2	43 87 44 36 39 102 48	- - - - - - -
143.3	156.6	Tuff	Patchy variety, pale gray green to gray brown based on intensity of clay alt; fine grained to very fine grained increasing vein density 143.6-144.3m - brecciated by quartz carbonate chlorite veins totalling 50% of interval 148.7-149.05m - vein breccia containing po, py, sp, cp, and fushite 150.0-155.2m - large frags up to 5x2cm, vein breccia at 150.0-150.5 m possibly agglomerate			38276 38277 38278 38279 38280 38281 38282	145.7 146.2 147.5 148.5 149.3 150.2 151	146.2 147.5 148.5 149.3 150.2 151 151.6	0.5 1.3 1 0.8 0.9 0.8 0.5	97 83 92 96 103 91 100	- - - - - - -
156.6	169.5	Tuff	Dark gray, fine to medium grained, 10-15% graphitic mudstone, fragments along foliation, sericitic overprint 45 deg same direction rotated 90 deg, approx 1% pyrite with some po. associated 168.1-169.5m - predominantly chlorite epidote alteration			38283 38284 38285 38286 38287 38288 38289 38290 38291	151.6 152.1 153.4 154.9 156.4 157.3 158.8 160.2 164.6 167.7	152.1 153.4 154.9 156.4 157.3 158.8 161.7 166.1 169.2	0.5 1.3 1.5 1.5 0.9 1.5 1.5 1.5 1.5	80 87 87 100 80 28 23 56 71	- - - - - - - - -

Drilling Company D.W. COATES	Collar Elevation	Bearing from True North	Dip of hole at Collar	50	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. 758313
Date Hole Started DEC. 3, 1986	Date Completed DEC. 5, 1986	Date Logged	Logged by J. CHAPMAN	n.		Location (Twp., Lot, Con. or Lat. and Long.) HALCROW TOWNSHIP 11E/6N 47 48'N, 82 55'W	
Exploration Co., Owner or Optionee REGAL PETROLEUM LTD.	Date Submitted	Submitted (sign)	n.			Property Name REGAL, SWAYZE	

Meterage From	To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	Assays	
							From	To		ppm Cu	ppb Au
			120.5-130.0 - repeat of 104.1-113.0; pyrite 1X-2% disseminated; (lithic tuff)	65							
130	134.9	felsic to intermediate volcanics	pale to medium gray green; fine to medium grained; strongly calcareous upper third of interval contains 10%-20% whitish quartz carbonate horizons with sparse mafic minerals (felsic segregations)			38199 38200 38201 38202	134.9 136.1 137.6 139.3	136.1 137.6 139.3 140.7	1.2 1 1.7 1.4	30 1 1 52	- - - -
134.9	139.4	dacite dike	very fine grained gray blue; intensely siliceous; weak chlorite-epidote alteration along fractures and veinlets; quartz porphyroblasts less than 5% upper and lower contacts sharp; pyrite less than 1%	60							
139.4	154.3	felsic to intermediate volcanics	pale greenish gray tuffs grading through to short; 20-40 cm sections of dark green andesites; less than 1% pyrite; foliation more obvious in mafic sections; pervasively carbonatized throughout	55-65							

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North 225	Dip of hole at Collar -55	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. 758313
Date Hole Started 12/15/86	Date Completed 12/18/86	Date Logged	Logged by J. Chapman	Location (Twp., Lot, Con. or Lat. and Long.) Halcrow Twp. 9E16N, 47 48'N, 82 55'W		
Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Submitted (sign)	Property Name Regal - Swayze			

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (m.)		Sample Length (m.)	ppm Assays	
						From	To		Cu	Au
0	1.9	Overburden								
1.9	13.6	catatastic quartz diorite	fol		38144 38137	2.3 4.4	3.3 5.3	1 0.9	7 5	- -
		fractures, chlorite epidote alteration moderate to pervasive with weak to moderate sericite, < 1% pyrite	45		38138	6.1	7.6	1.5	6	-
		3.3 - 4.45m - fine to very fine grained pale green tuff, strong chlorite - epidote alteration, fragments typically elongate < 1mm thick, some smeared out quartz	fol		38139	7.6	9.1	1.5	4	-
13.6	14.1	mudstone			38140	12.9	14.2	1.3	12	-
		surface oxidation along fractures extends to 15 m, black, silicified			38141	14.4	15.8	1.4	28	-
14.1	14.55	biotite lamprophyre		upper contact 50 lower contact 45	38142 38143 38145	15.8 17.2 18.6	17.2 18.6 20.1	1.4 1.4 1.5	14 31 37	- 80 -
14.55	21.6	tuff	fol		38146	20.1	21.6	1.5	37	-
		gray - blue, fine grained groundmass of quartz, chlorite, carbonate minor epidote, quartz porphyroblasts < 0.5 mm - 3 mm, ave. < 1 mm approximately 10 - 30%	45 - 55							
		16.9 - 18.9 m - contains approximately 30% graphitic black mudstone, 1% py. 18.9 - 21.6m - contains approx. 15% graphitic black mudstone, 1 - 2% py., sericite increasing toward base of interval - conformable quartz-carbonate horizons (veins?) upto 5 cm	fol		38147	33.7	34.6	0.9	61	30
21.6	58.7	mudstone (graphitic)	fol		38148	46.9	47.9	1	53	40
		black very fine grained with stringers, blebs and diagenetic pyrite, mostly soft but locally siliceous, interbedded with dark gray siltstone (wacke) horizons 20 - 50%, foliation ranges from 0 to 90 with small-scale folding, quartz carbonate veining approx. 3% (barren mostly), locally short brecciated zones (< 15 cm)	50		38149	48.3	49.5	1.2	45	-
		felsic to intermediate tuff with quartz eyes 1 - 5mm, pale gray to greenish gray, fine to medium grained, approx. 15 - 20% interbedded mudstone and siltstone, approx. 1% quartz carbonate veining, and 1% pyrite	45		38150	54.6	56.1	1.5	30	-
58.7	71.5	tuff								
		predominantly light gray white felsic tuff with 5 - 20% quartz eyes < 0.5mm to 5mm (most < 1mm), weak chlorite-epidote alteration along foliation planes with moderate sericite, < 1% pyrite, strongly calcareous	fol		38151 38152 38153	73.9 75.4 77.1	75.4 77.1 78.4	1.5 1.7 1.3	17 35 16	50 - 60
71.5	82.1	tuff			38154 38155	78.4 79.8	79.8 81.2	1.4 1.4	5 15	20 -
		76.75 - 80.9 m - intensely silicified approx. 1% pyrite, locally brecciated patchy appearance, strongly sericitic	45							

Drilling Company D.W. Coates	Collar Elevation	Bearing from True North	Dip of hole at Collar	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. 709043
Date Hole Started 12/9/86	Date Completed 12/12/86	Date Logged	Logged by J. Chapman	Location (Twp, Lot, Con. or Lat. and Long.) Halcrow Twp 13+25E/D+25S; 47 47'N; 82 55'30"W		
Exploration Co., Owner or Optionee Regal Petroleum Ltd.	Date Submitted	Submitted (sign)		Property Name Regal - Swayze		

Meterage From To	Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle	Core Specimen Meterage	Your Sample No.	Sample (n.)		Sample Length (n.)	Assays			
						From	To		ppm Cu	ppm Ag	ppb Au	
0	17.3	Overburden										
17.3	36.8	Mafic Volcanics										
		dark green fine to medium grained, massive to weakly foliated andesite, very little carbonate and minor quartz veining pyrite approx 1%; specular hematite occurs as irregular patches and associated with quartz veins, chlorite epidote alteration along hairline fractures moderate to strong. Locally tuffaceous sections with same composition and appearance	55		38203	12.3	18.8	1.5	1			
		20.5m - fault zone			38204	24.6	26	1.4	165			
		23.0m - 10cm quartz vein with specular hematite			38205	31.4	32.9	1.5	7		80	
		23.5m - 36.8m - tuffaceous section	45		38206	35.5	32	1.5	183			
36.8	71.6	Intermediate Volcanics										
		gray green predominantly medium grained with weak foliation weak to moderate chlorite-epidote alteration; <1% pyrite	50-75		38207	41.6	43.4	1.8	5			
		41.6-42.6m - tuffaceous interval			38208	54.6	55.8	1.2	6			
		65.0-69.1m - sericitic zone; increase in intensity of chlorite-epidote alteration; minor quartz veining conformable to foliation			38209	57.4	58.7	1.3	3			
71.6	73.1	Chlorite carbonate schist										
		green and white banded, approximately 60/40 chloritic/carbonate intervals; <1% pyrite	55		38210	62.9	64.4	1.5	14			
					38211	67.4	68.9	1.5	8			
73.1	85.1	Cataclastic quartz diorite										
		interbanded predominantly pale reddish, fine to medium grained, moderately siliceous and weak to moderate hematization; CQO with intensely chloritized zones approx equal, individual bands thickest in center of interval <1% pyrite	60		38212	73.2	74.7	1.5	24			
					38213	76	77.5	1.5	29			
					38214	77.5	79.1	1.6	11			
85.1	112.3	Chlorite carbonate schist										
		as in 71.6-73.1m; relative proportions of chlorite to carbonate bands varies; few quartz veins mostly conformable with foliation pyrite <1%	50		38215	80.6	82	1.4	32			
					38216	86.3	87.8	1.5	45			
					38217	90.7	92.4	1.7	105			
112.3	117.5	Felsic tuff										
		fine to medium grained gray, uniform grain size, weakly foliated; 1-3% pyrite as dissemination and stringers associated with small 1-4cm quartz veins	50		38218	93.9	95.4	1.5	90			
					38219	99.8	101.3	1.5	93			
					38220	104.1	105.7	1.6	98			
					38221	111.1	112.6	1.5	41			
117.5	128.7	Chlorite carbonate schist										
		as in 85.1-112.3m; contorted foliation common and 2-5% quartz veining (up to 5cm); chlorite-epidote alteration moderate locally intense; pyrite 1-3% associated with quartz veining; possible fold zone at 118-119.5m			38222	114.1	115.5	1.4	38			
					38223	115.5	117	1.5	12			
					38224	117	118.6	1.6	66			
					38225	118.6	120.1	1.5	50			
		124.9m - 15cm quartz vein with py and trace cp			38226	120.1	121.4	1.3	73			

DIAMOND DRILL LOGS

Drilling Company D. W. Coates Enterprises	Collar Elevation	Bearing from True North 225	Dip of hole at Collar 50	Location of hole in relation to fixed point on claim.	Map Ref. No.	Claim No. 709043
Date Hole Started 12-12-86	Date Completed 12-13-86	Date Logged 12-15-86	Logged by J. Chapman		Location (Twp, Lot, Con. or Lat. and Long.) Halcrow Twp. 15E/1S 47 47'30" 82 55'30 W	
Exploration Co., Owner or Optionee Regal Petroleum Inc.	Date Submitted	Submitted (sign)			Property Name Regal-Swayze	

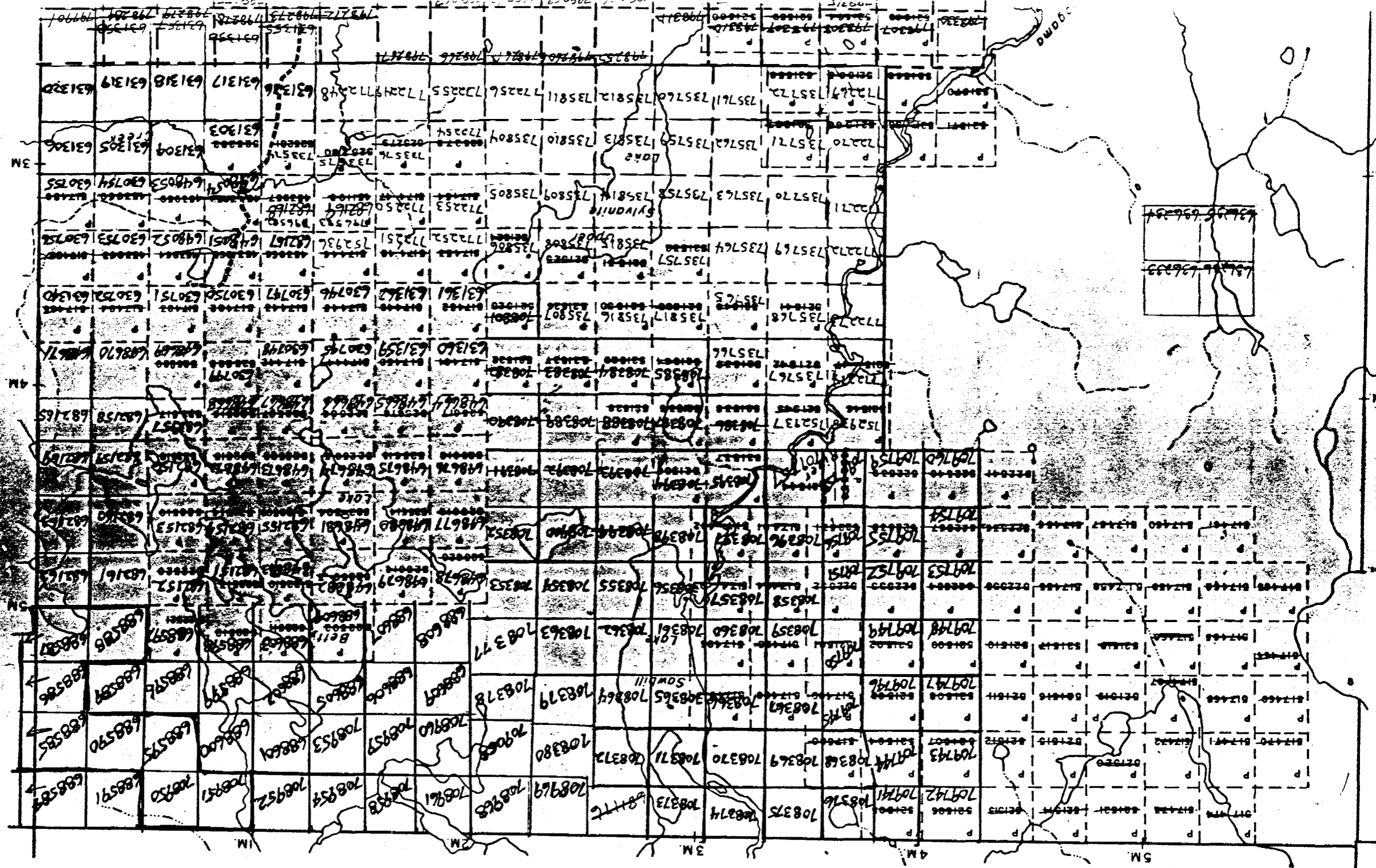
Meterage		Rock Type	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	Planar	Core	Your	Sample (m.)		Sample	Assays	
From	To			Feature	Specimen	Sample	From	To	Length	Cu	Au
				Angle	Meterage	No.			(m.)	ppm	oz/t
0	4.8	Overburden									
4.8	18.9	chlorite carbon- ate schist	4.8-15.6m dark green medium grained with white calcareous bands, <1% pyrite. 15.6-18.9m fine grained grayish green; carbonate layers thinner <3mm	fol 50		38292	14.7	16.2	1.5	95	-
end of hole											

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 RESEARCH OFFICE

 MAR 24 1987

 RECEIVED

Greenlawn Twp. - M. 895



du 1 am 1



49/87



41010NW0092 19 HALCROW

The Minin

900

Name and Postal Address of Recorded Holder: **Regal Petroleum Ltd.**

Prospector's Licence No.: **T1309**

#1550 - 609 Granville St., Vancouver, B.C. V7Y 1C6

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 1,873.3	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only)	P	see attached list							
<input type="checkbox"/> Manual Work									
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.									
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.									
<input type="checkbox"/> Power Stripping									
<input checked="" type="checkbox"/> Diamond or other Core drilling									
<input type="checkbox"/> Land Survey									

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILE
RESEARCH OFFICE
MAR 24 1987
RECEIVED

All the work was performed on Mining Claim(s): 758313, ~~758314~~, 709043

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

D.W. Coates Enterprises
7583 Vantage Place
Delta, B.C.
V4G 1A5

J.K. Smith 25 A Drill
John Deere 540D Turbo Skidder

Work carried out between October 1,86 and December 22, 1986.

PORCUPINE MINING DIVISION
RECEIVED
FEB 27 1987

RECORDED
FEB 27 1987

Date of Report: Jan. 14/87

Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **J. Chapman, 580 W. 17th Ave., Vancouver, B.C. V5Z 1T5**

Date Certified: Feb. 18, 1987

Certified by (Signature): *[Signature]*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyor.		

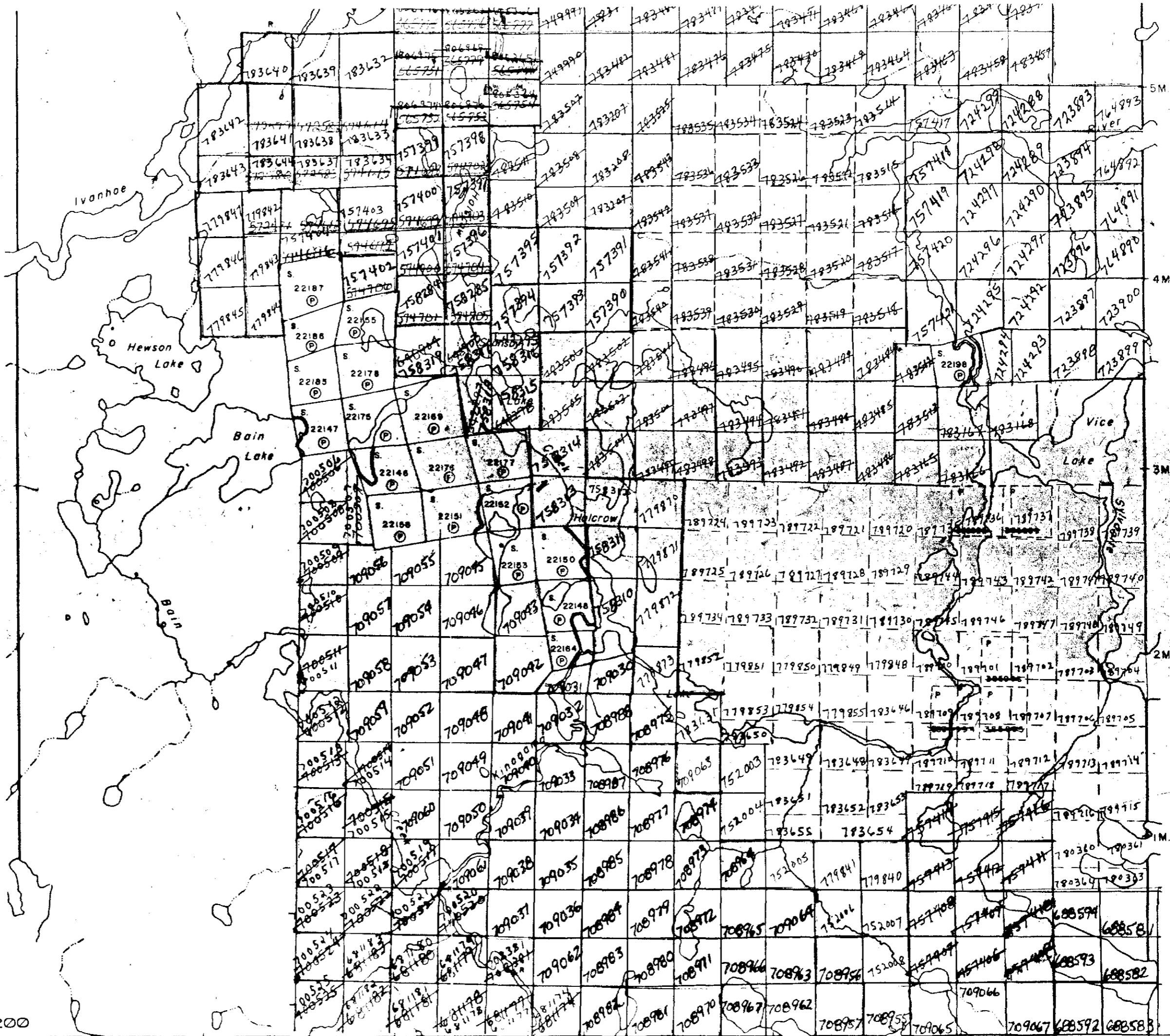
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	752005	- 20		708942	- 20
	752006	- 20		708943	- 20
	752007	- 20		708944	- 20
	752008	- 20		708945	- 20
	757390	- 20		708946	- 20
	757391	- 20		708950	- 20
	757392	- 20		708951	- 20
	757393	- 20		708955	- 20
	757394	- 20		708956	- 20
	757395	- 20		708964	- 20
	757396	- 20		708974	- 20
	757397	- 20		708975	- 20
	757398	- 20		758284	- 20
	757399	- 20		758285	- 20
	757400	- 20		783632	- 20
	757401	- 20		783633	- 20
	757402	- 20		783634	- 20
	757403	- 20		758311	- 20
	757404	- 20		758312	- 20
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	688588	- 20		758315	- 20
	688590	- 20		758316	- 20
	688595	- 20		758317	- 10
	688610	- 20		758318	- 40
	708930	- 20		758319	- 10
	708931	- 20		709065	- 10
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	708933	- 20		709067	- 13.3
	708934	- 20		688585	- 20
	708935	- 20		688586	- 20
	708936	- 20		688587	- 20
	708937	- 20		783631	- 20
	708939	- 20		779870	- 20
	708940	- 20		779871	- 20
				779872	- 20

Prefix	Number	Work Days Cr.
P	779873	- 20
	709030	- 20
	709031	- 20
	709042	- 20
	709043	- 20
	783637	- 20
	783638	- 20
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	783643	- 20
	783644	- 20
	779842	- 20
	779843	- 20
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	779841	- 30
	779840	- 20

430

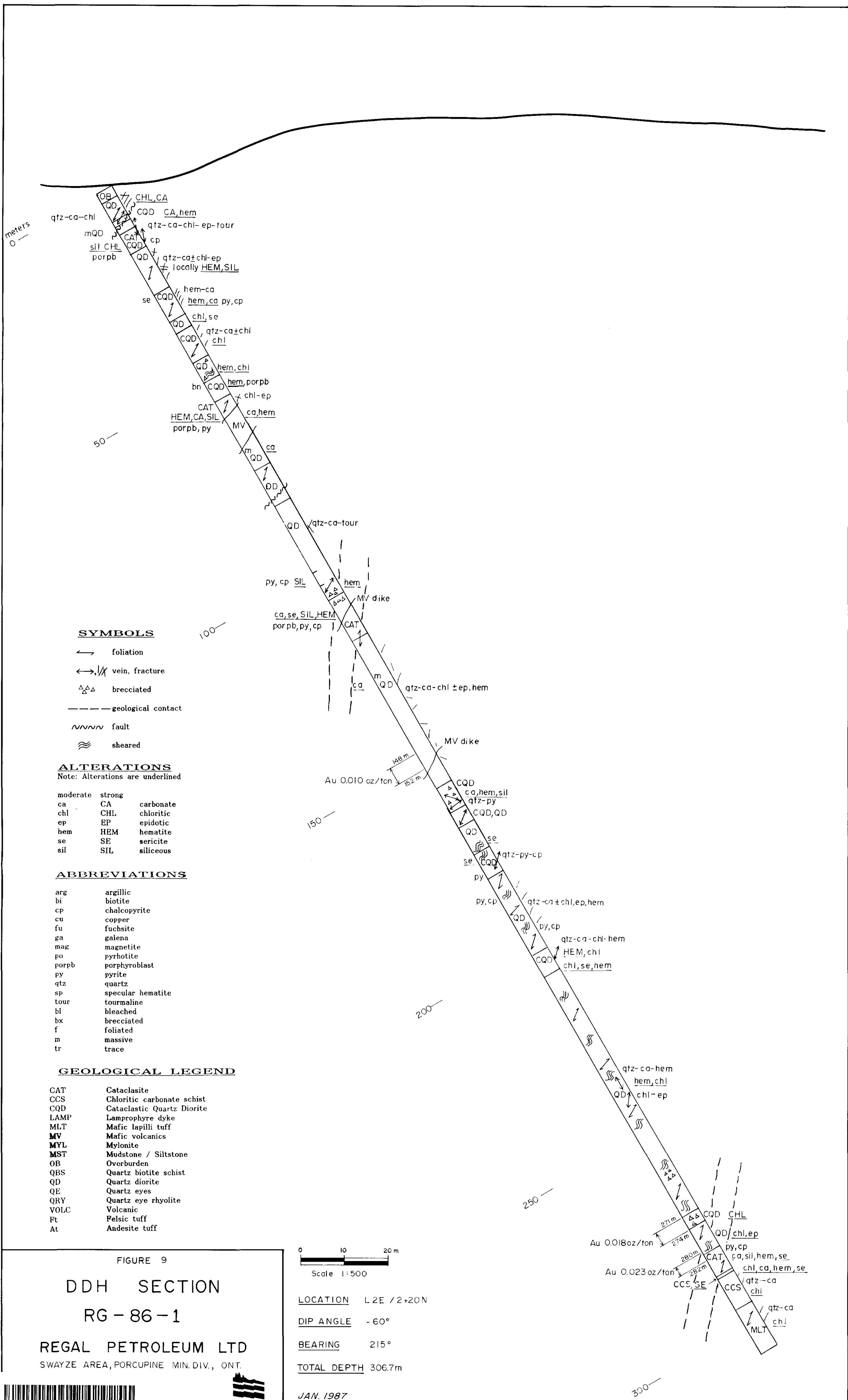
НАГСВОМ ТМВ

Lackner Twp. - M.975



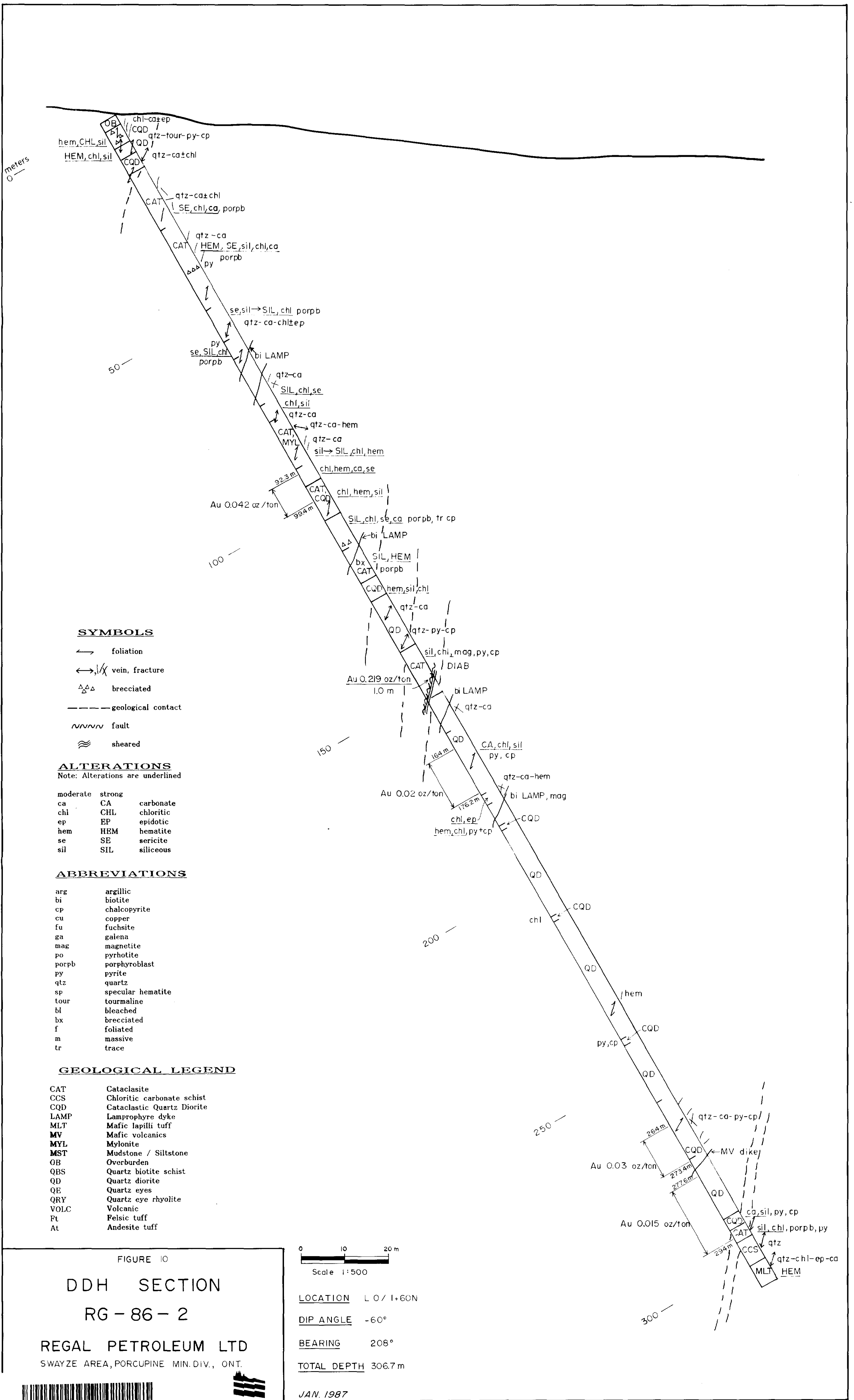
Denyes Twp. - M.758





41018W0092 19 HALCROW

DDR 19



SYMBOLS

- ← foliation
- ↔, /X vein, fracture
- △△△ brecciated
- geological contact
- ~~~~~ fault
- ≡ sheared

ALTERATIONS

Note: Alterations are underlined

moderate	strong	carbonate
ca	CA	chloritic
chl	CHL	epidotic
ep	EP	hematite
hem	HEM	sericite
se	SE	siliceous
sil	SIL	

ABBREVIATIONS

arg	argillic
bi	biotite
cp	chalcopyrite
cu	copper
fu	fuchsite
ga	galena
mag	magnetite
po	pyrrhotite
porpb	porphyroblast
py	pyrite
qtz	quartz
sp	specular hematite
tour	tourmaline
bl	bleached
bx	brecciated
f	foliated
m	massive
tr	trace

GEOLOGICAL LEGEND

CAT	Cataclasite
CCS	Chloritic carbonate schist
CQD	Cataclastic Quartz Diorite
LAMP	Lamprophyre dyke
MLT	Mafic lapilli tuff
MV	Mafic volcanics
MYL	Mylonite
MST	Mudstone / Siltstone
OB	Overburden
QBS	Quartz biotite schist
QD	Quartz diorite
QE	Quartz eyes
QRY	Quartz eye rhyolite
VOLC	Volcanic
Ft	Felsic tuff
At	Andesite tuff

FIGURE 10

**DDH SECTION
RG - 86 - 2**

REGAL PETROLEUM LTD
SWAYZE AREA, PORCUPINE MIN. DIV., ONT.

0 10 20 m
Scale 1:500

LOCATION L O / I + 60N

DIP ANGLE -60°

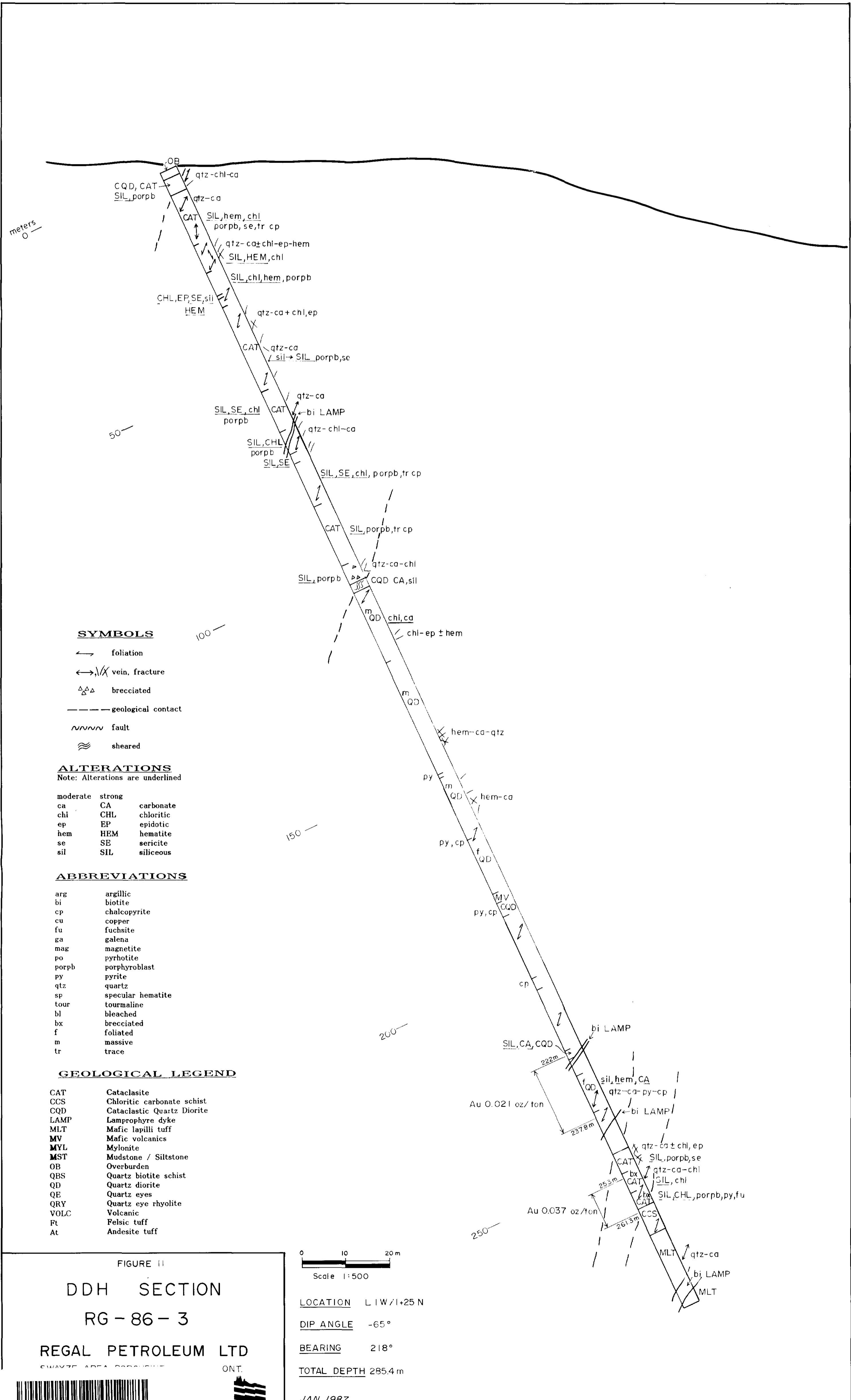
BEARING 208°

TOTAL DEPTH 306.7 m

JAN. 1987



41010N0892 15 HALCROX



SYMBOLS

- ↔ foliation
- ↔/X vein, fracture
- ΔΔΔ brecciated
- geological contact
- ~~~~~ fault
- ≡ sheared

ALTERATIONS

Note: Alterations are underlined>

moderate	strong	
ca	CA	carbonate
chl	CHL	chloritic
ep	EP	epidotic
hem	HEM	hematite
se	SE	sericite
sil	SIL	siliceous

ABBREVIATIONS

arg	argillic
bi	biotite
cp	chalcopyrite
cu	copper
fu	fuchsite
ga	galena
mag	magnetite
po	pyrrhotite
porpb	porphyroblast
py	pyrite
qtz	quartz
sp	specular hematite
tour	tourmaline
bl	bleached
bx	brecciated
f	foliated
m	massive
tr	trace

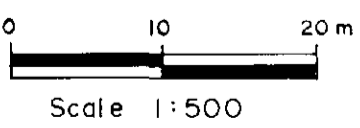
GEOLOGICAL LEGEND

CAT	Cataclasite
CCS	Chloritic carbonate schist
CQD	Cataclastic Quartz Diorite
LAMP	Lamprophyre dyke
MLT	Mafic lapilli tuff
MV	Mafic volcanics
MYL	Mylonite
MST	Mudstone / Siltstone
OB	Overburden
QBS	Quartz biotite schist
QD	Quartz diorite
QE	Quartz eyes
QRY	Quartz eye rhyolite
VOLC	Volcanic
Ft	Felsic tuff
At	Andesite tuff

FIGURE 11

**DDH SECTION
RG - 86 - 3**

REGAL PETROLEUM LTD
SWAYZE AREA, ONT.



LOCATION L1W/1+25 N

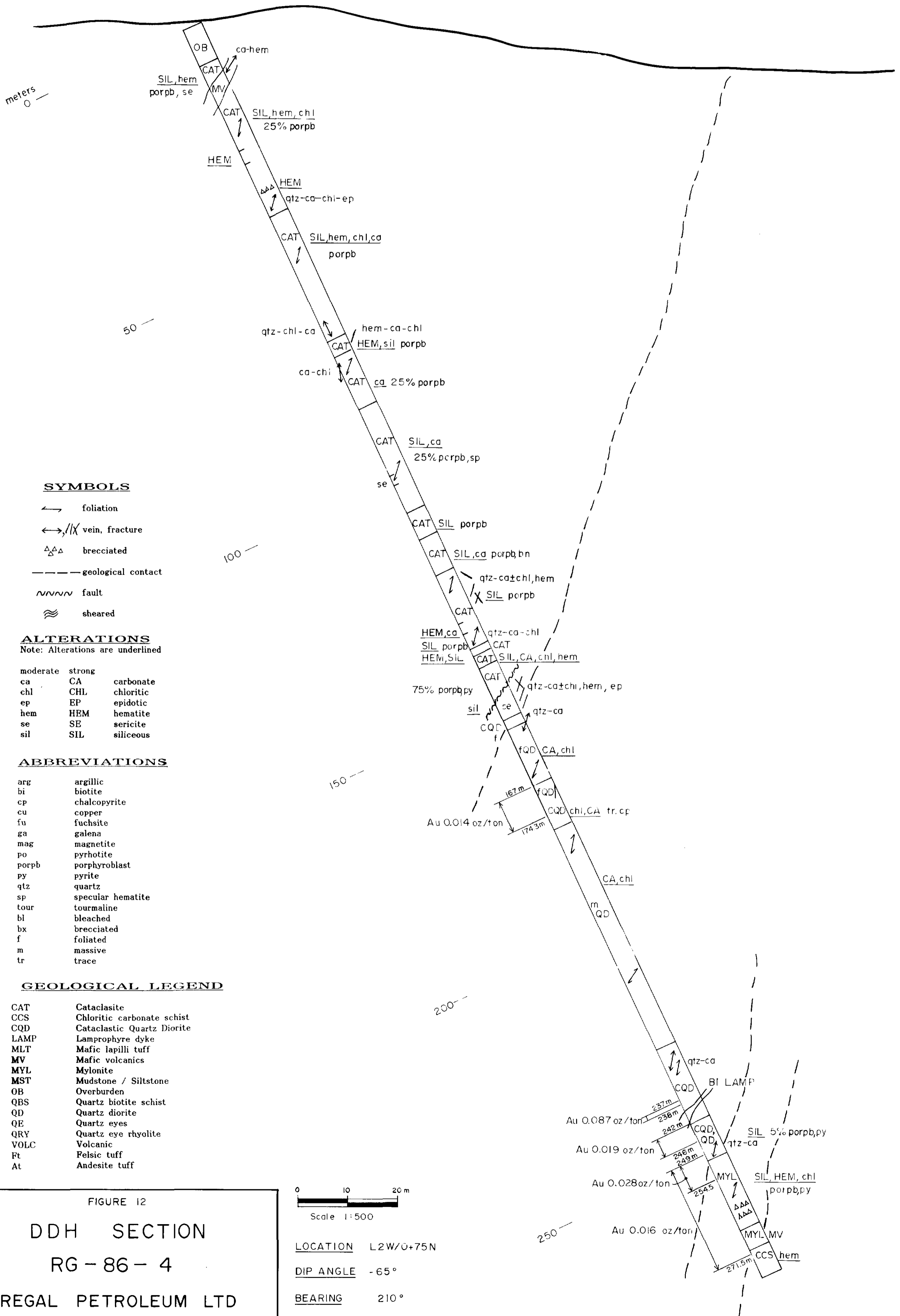
DIP ANGLE -65°

BEARING 218°

TOTAL DEPTH 285.4 m

JAN. 1987





SYMBOLS

- ↔ foliation
- ↔, /X vein, fracture
- △△△ brecciated
- geological contact
- ~~~~~ fault
- ≡ sheared

ALTERATIONS

Note: Alterations are underlined>

moderate	strong	
ca	CA	carbonate
chl	CHL	chloritic
ep	EP	epidotic
hem	HEM	hematite
se	SE	sericite
sil	SIL	siliceous

ABBREVIATIONS

arg	argillic
bi	biotite
cp	chalcopyrite
cu	copper
fu	fuchsite
ga	galena
mag	magnetite
po	pyrrhotite
porpb	porphyroblast
py	pyrite
qtz	quartz
sp	specular hematite
tour	tourmaline
bl	bleached
bx	brecciated
f	foliated
m	massive
tr	trace

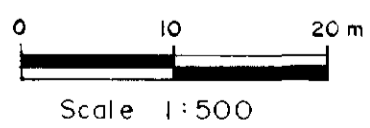
GEOLOGICAL LEGEND

CAT	Cataclasite
CCS	Chloritic carbonate schist
CQD	Cataclastic Quartz Diorite
LAMP	Lamprophyre dyke
MLT	Mafic lapilli tuff
MV	Mafic volcanics
MYL	Mylonite
MST	Mudstone / Siltstone
OB	Overburden
QBS	Quartz biotite schist
QD	Quartz diorite
QE	Quartz eyes
QRY	Quartz eye rhyolite
VOLC	Volcanic
Ft	Felsic tuff
At	Andesite tuff

FIGURE 12

**DDH SECTION
RG - 86 - 4**

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LOCATION L2W/0+75N

DIP ANGLE -65°

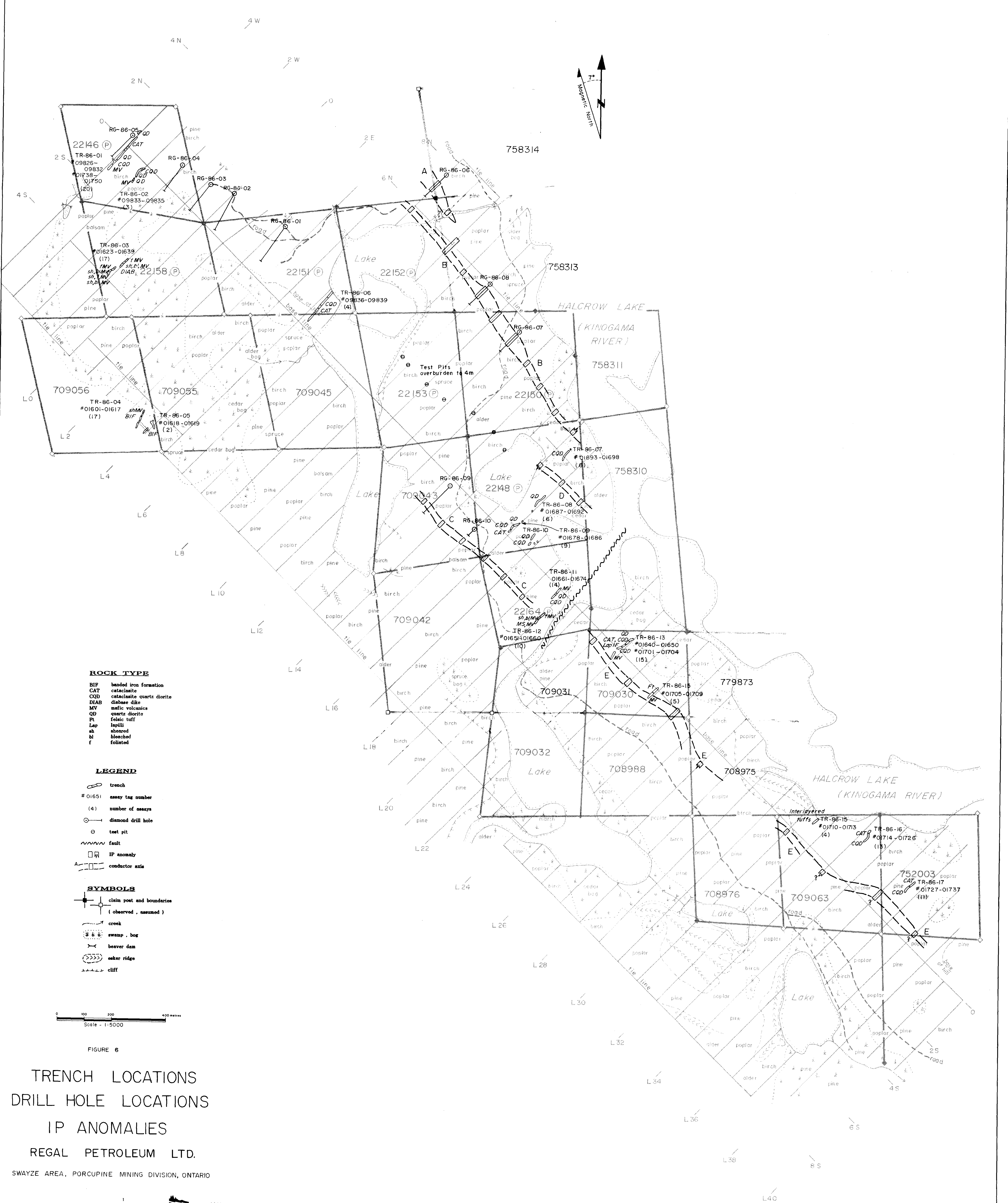
BEARING 210°

TOTAL DEPTH 276.2 m

JAN. 1987



41010W0032 19 HALCROW



- ROCK TYPE**
- BIF banded iron formation
 - CAT cataclasite
 - COD cataclasite quartz diorite
 - DIAB diabase dike
 - MV mafic volcanics
 - QD quartz diorite
 - Pt felsic tuff
 - Lap lapilli
 - sh sheared
 - ab bleached
 - bi foliated
 - f

- LEGEND**
- trench
 - # 01651 assay tag number
 - (4) number of assays
 - diamond drill hole
 - test pit
 - ~~~~~ fault
 - IP anomaly
 - conductor axis

- SYMBOLS**
- claim post and boundaries (observed, assumed)
 - ~ creek
 - ~ swamp, bog
 - ~ beaver dam
 - ~ water ridge
 - ~ cliff

Scale - 1:5000

FIGURE 6

TRENCH LOCATIONS
 DRILL HOLE LOCATIONS
 IP ANOMALIES
 REGAL PETROLEUM LTD.

SWAYZE AREA, PORCUPINE MINING DIVISION, ONTARIO

