

81-625-0570

Drill logs

1980 - 1981 DIAMOND DRILLING PROGRAM

SAB 3 and SAB 5

MINERAL CLAIMS

VERNON MINING DIVISION

N.T.S. 82E/15E

49°55' N. Latitude and 118°42' W Longitude

OWNER OF CLAIMS: R.W. Yorke-Hardy

OPERATOR OF PROGRAM: Mohawk Oil Co. Ltd.

PREPARED BY: M.W. Waldner

August 19, 1981

MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Section: \_\_\_\_\_  
 Lat.: \_\_\_\_\_  
 Dep.: \_\_\_\_\_  
 Azimuth: \_\_\_\_\_  
 Dip: \_\_\_\_\_  
 Collared: \_\_\_\_\_  
 Dip Tests: \_\_\_\_\_  
 Remarks: *No sludge collected*  
*log scale 1" = 10'*

Core Size: *NQ*  
 Completed: \_\_\_\_\_  
 Elevation: \_\_\_\_\_  
 Length: *535'*

Hole No.: *SAB-80-1*  
 Project: *Kettle River*

Claim No.: \_\_\_\_\_  
 Logged by: *B. Colligan*  
 Contractor: *Mohawk / Montreal Explosives*  
 Date: *19<sup>th</sup> March 1981*

Rock Types and Alteration							Graphic Log	Mineralization and Structures				Estimated Grade	Recovery	Assay Results													
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/Alteration	Footage	Structure	to Core Axis	Width of Vein		Mineralization and Faulting (Type)	Remarks	Footage Blocks	Length Recovery	Cpy		Specific Gravity	Weight (Grams)	Sample Number	Ag	Aj	Cu	Pb	Zn
																		BA	MS			Core	Sludge				
							<i>0.13 0-35'</i> <i>Coring @ 35'</i>																				
							<i>SS</i>																				
<i>25%</i>	<i>30%</i>	<i>25%</i>	<i>15%</i>		<i>matrix</i>	<i>7</i>	<i>WS Arg. Alt. G.D.P. 30</i> <i>Porphyritic Cal. And. 37</i> <i>Int. Alt. G.D.P. 39</i>	<i>30</i>			<i>60°</i> <i>30°</i> <i>30°</i>	<i>contact</i> <i>1'</i> <i>contact</i>	<i>Cal.</i>	<i>micro py clumpy 236'</i>	<i>35</i>		<i>100</i>										
					<i>fine grain</i>		<i>P. Cal. Dye</i>	<i>41</i>			<i>55°</i> <i>40°</i> <i>40°</i>	<i>contact</i> <i>contact</i>	<i>Cal. in jacking portion</i>	<i>minor py. cpy 244</i>	<i>45</i>	<i>100</i>											
							<i>Int. Alt. G.D.P. 49</i> <i>Dye. Int. 51</i>	<i>50</i>			<i>30°</i> <i>30°2</i>	<i>1/16"</i> <i>8+1/16"</i>	<i>Cal.</i> <i>Cal.</i>	<i>Porphyritic and Dye. oxidized</i> <i>Core blocky 50'-60'</i>	<i>55</i>	<i>80</i>											
							<i>Porphyritic And. Dye.</i>	<i>60</i>			<i>60°</i> <i>30°</i> <i>40°</i>	<i>1/16"</i> <i>1/4"</i> <i>1/8"</i>	<i>Cal.</i> <i>Cal.</i> <i>Cal.</i>	<i>Core blocky oxidized</i>	<i>65</i>	<i>90</i>											
							<i>Int. Alt. G.D.P. 71</i>	<i>70</i>						<i>minor py</i>													

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**9576**  
 NO.

*part 2 of 2*

















MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Section: \_\_\_\_\_  
 Lat.: \_\_\_\_\_  
 Dep.: \_\_\_\_\_  
 Azimuth: \_\_\_\_\_  
 Dip: \_\_\_\_\_  
 Collared: \_\_\_\_\_  
 Dip Tests: \_\_\_\_\_  
 Remarks: *no sludge counted*

Core Size: *1 1/4"*  
 Completed: \_\_\_\_\_  
 Elevation: \_\_\_\_\_  
 Length: *645'*

Hole No.: *SAB- 60-2*  
 Project: *KETTLE RIVER*

Claim No.: \_\_\_\_\_  
 Logged by: *B. Callaghan* Date: *26<sup>th</sup> May 1981*  
 Contractor: *Mohawk/Maitland Exploration*

*log scale 1" = 10'* *Core entirely logged by B. York-Hardy. See adjoining bedrock log.*

Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results								
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	Rock Type/Alteration	Footage	Structure			to Core Axis	Width of Vein		Mineralization and Faulting (Type)	Remarks	Py	Cpy	Core %	Sludge %	Core	Sludge			
							<i>Coring 235'</i>																				
<i>2%</i>			<i>10-15% Kfs</i>		<i>gr</i>	<i>5</i>	<i>5" qtz Ser-A<sub>1</sub> 35-40 Fragile altered Gneiss-like Bopy</i>	<i>35</i>						<i>Core blocky 35-41 missing approx 1' minor discon. by</i>													
							<i>Mod. Alt. G.D.P. 45-50 W.K.A. alt G.D.P. 45-50</i>							<i>Core ground at 41 blocky from 41-45 missing approx 1' minor discon. by</i>	<i>41</i>												
							<i>Basal Amphibolite 55-60 W.K.A. alt G.D.P. 55-60 Mod. Alt. G.D.P. 55-60</i>	<i>50</i>						<i>Core missing at 59-63.7 approx 4.7' at 54-75. qtz Ser- py inclusions at large intervals 1/2-2". Approx 1-1 1/2' apart. By discon.</i>	<i>45</i>												
							<i>63-70 W.K.A. alt G.D.P.</i>	<i>60</i>																			
								<i>70</i>																			
								<i>80</i>																			









Rock Types and Alteration								Graphic Log		Mineralization and Structures				Estimated Grade		Recovery		Assay Results												
Qtz.	Plg.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/Alteration	Footage Structure	to Core Axis	Width of Vein	Mineralization and Faulting (Type)	Remarks	Footage Blocks	Length Recovery	Cpy		Weight (Grams)		Sample Number										
																Gr	Sp	Core	Sludge	Core	Sludge									
																Py	Ox	%	%	Core	Sludge									
							Fresh. WK Arg alt at GEP minor bit nick inclusions.		300		2'	garnet 2102154 biotite 2297		295	100															
									310	70°	4'	biotite mix 2301		305	100															
									320	50°	2'	Bruni alt. 2309'		315	100															
							WK Arg alt at GEP local potassic alteration		330	60 x 2	3/4 x 2	carb, chl - clay D.		325																
							WK Arg alt at GEP Pinnacel Blastic Alt. Mudgy and Dike P. Fresh. WK Arg alt. WK - Mod An. alt.		340	50° 50° 50°	contact 1/4" contact contact	and/or dyke porph dyke - white stringers		335																
							Fresh. GDE minor local potassic alteration		350				Potassic alteration approx 4" - 1" wide approx 11' from each side		345															
							4' fresh Fresh. WK Arg alt. Mod An. alt.		360	60°	1'	biotite inclusion.		355																
									370																					

























Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results									
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	Rock Type/Alteration	Footage	Structure			to Core Axis	Width of Vein		Mineralization and Faulting (Type)	Remarks	Bn	MoS2	Py	Ox	Weight (Grams)	Sample Number				
																				Core %	Sludge %	Core	Sludge					
							Phyll. alt mod. arg. 403 404																					
							Phyll. alt																					
							Int. arg. 425 425 4" mod. arg. 425																					
							4" mod. arg. 443 5' phyl. 445 mod. arg. 448 447																					
							3' arg. 456																					
							404 Mid. arg. - dark sil. Breath. in k.																					

Drill stopped at lower



























Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	ESTIMATED GRADE		Recovery		Assay Results				
Qz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/Alteration Footage Structure	to Core Axis	Width of Vein	Mineralization and Faulting (Type)			Remarks	Cpy		Weight (Grams)		Sample Number		GAD	SILVER
															Gr	Spn	Core %	Sludge %	Core	Sludge		
													Py	Ox								
							(Tussock) 475 477 Mod. Arg Alt GDR 477	480	60 40 10 60	1/2 1/2 constant 1/2"	Muscovite - qtz Cal - hem cal	Core ground 477, 483 missing 2' @ 477-480 hem - cal no structure	475 477	100								
							WK-Mod. Arg Alt GDR 484 489 2" diameter - 487	490	60 50 60	1" 1/8 2"	qtz - sil - py cal - cal - py	Core blocky @ 481-483 @ 485-490 hem - cal along fracture, in stringer white in color, spaced	483	60 100								
							In Arg Alt GDR 495 WK-Mod. Arg Alt GDR 500 500 500	500				Core ground @ 493 blocky @ 497-494 missing 1' core blocky 500-502 hem - cal stringer and along fracture. Py seen in stringer occur in quartz - muscovite - cal	493 494	625 100								
							505-503	510	70 50 45 80 40	1/2 2" 1/4 1/2"	py blots qtz - py cal - py - sil qtz - py cal	Core blocky @ 500-502 py mineralization in py - sil - cal	502	100 500								
							qtz - py - sil In Arg Alt GDR 515 Mod. Arg Alt GDR	520	45	1/4	cal - hem - py stringer arsenic py blots arsenic + blots	Core blocky @ 515-518 Core blocky 518-522	515 518	100 100 75								
							qtz - cal - py - sil 522 Mod. In Arg Alt GDR 525 In Arg Alt GDR	530	30 90	3" 1/2"	arsenic blots + arsenic py cal - qtz	missing 1' Core blocky 522-525 ch blots + arsenic py blots Minor arsenic py @ 530' core banded	522 525	100 100								
							sand 535 limestone and dark rock	540	25 60 35 40 20-2	1/8 1/2 1/4 constant 1/2"	cal - arsenic cal qtz - py Muscovite qtz - cal - hem	535										











MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Section: \_\_\_\_\_  
 Lat.: \_\_\_\_\_  
 Dep.: \_\_\_\_\_  
 Azimuth: \_\_\_\_\_  
 Dip: \_\_\_\_\_  
 Collared: \_\_\_\_\_  
 Dip Tests: \_\_\_\_\_  
 Remarks: *No sludge corrected*

Core Size: *na*  
 Completed: \_\_\_\_\_  
 Elevation: \_\_\_\_\_  
 Length: *785'*

Hole No.: *SAB-80-5*  
 Project: *LETTLE RIVER*

Claim No.: \_\_\_\_\_  
 Logged by: *B. Callaghan*  
 Contractor: *MOHAWK / Maitland Exploration Co.*  
 Date: *5<sup>th</sup> May 1981*

*log scale 1"=10'*

Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Graphic Log Rock Type/ Alteration Footage Structure	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade				
									to Core Axis	Width of Vein	Mineralization and Faulting (Type)	Remarks			Cpy				
															Py	Ox	Sp	Gr	
							Bedrock 20' logging @ 20'	20					20						
							<i>Int. Argill. Act. of Quasidolomite Porphing</i>	30	75° ±	1/8" x 4"	Lim. clay.	Core blocky @ 20'-22' Core oxidized to 4 3/4" Spindle hematite to 3 3/4"	25	100					
							<i>And. Dark Porphyry Light Grey</i> <i>WE Argill. Hemat. @ P</i>	40		3E"	qtz - Ser. - Py	Core ground @ 35' @ 35' missing approx 1' core blocky @ 30'-35' fractures, oxidized in dyke	35	90					
							47%	50		1/4"	K/Pow.	@ 40' absence of large 1/4" K/spar phenos. for	45	100					
							<i>Mod. Arg. Hem. @ P</i>	50		1/2"	cal - chl - lim - py magis - cal - hem.	desert hem.							
							<i>WKA Argill. @ P</i> <i>Mod. Arg. Hem. @ P</i> <i>Mod. Arg. Hem. @ P</i>	80 25 60		fracture to finer qtz	cal - clars. chl - hem - bio banded - chl - clars. + py qtz - py	minor diped down py in results - deserts hem.	55	100					



Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Recovery	Assay Results			
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	Rock Type/Alteration Footage Structure	to Core Axis	Width of Vein			Mineralization and Faulting (Type)	Remarks			Cpy.		Weight (Grams)
																		Gr	Sp	
							WE Arg alt 90P 61 64 mod. in horn alt. 90P WE Arg alt 90P 67 68 Mod. Ent. alt 90P	70	50° 50° 60°	2" 2" 1 1/2"	qtz - py - horn cal - lim alt - lim py - ser - py	Py in alt. down. Man in chert. mag. magnetite coating	65	100						
								80	30° 50°	1" 1 1/2"	py - ser - py qtz - lim py - cal. lim		75	100						
							mod. Arg alt 90P 82 1/2 84 1/2 TAR Arg alt 90P	90	35 = 2 3"	1/2 = 2 1/2"	qtz - lim cal. clay - K/Spar py	Core blocky @ 89-90' 3' of qtz vein blocky one end ground and missing approx 6" of contains vugs + light Calcite.	85	95						
							1st qtz - ser - py 2nd qtz - ser - py 98 qtz vein	100	85 70 70°	1/2" 1/4" contact	qtz vuggy calcite qtz - ser - horn (cpy)	Core ground @ 96' qtz veinlet, 1" missing approx 4" qtz & minor py - ser vein ends of qtz vein not ground 100% recovery.	95 95		03					
							108 1/2 109 1/2 WK Arg alt 90P	110	70° 50° 65°	contact 1/2" 1/4" 1/8"	qtz - py qtz vuggy py qtz vuggy magnetite - horn		105	100						
							117 1/2 119 1/2 120 1/2 Sandstone and BTR Alt 90P 123 1/2 124 1/2 Mod. qtz and dark 127 1/2 WK-Mod Arg alt 90P	120	50° 50°	1/2" 18"	qtz - lim Straggle Ser - crushed subspinel? clay biot rich gravel.	Core blocky @ 115- 119'	115	100						
							125 1/2 126 1/2 127 1/2 128 1/2 129 1/2 130 1/2 WK-Mod Arg alt 90P	130	30° 50° 60° 60°	contact contact 1/8" 1/2"	vuggy qtz qtz - lim qtz - lim		125	100						























MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Section: \_\_\_\_\_  
 Lat.: \_\_\_\_\_  
 Dip: \_\_\_\_\_  
 Azimuth: \_\_\_\_\_  
 Dip Tests: \_\_\_\_\_  
 Remarks: No Study Conducted  
Log Scale 1" = 10'

Hole No.: SAB-80-7  
 Project: KETTLE RIVER

Core Size: NQ Elevation: \_\_\_\_\_  
 Completed: \_\_\_\_\_ Length: 635'

Claim No.: \_\_\_\_\_  
 Logged by: B. Colquhoun Date: 5<sup>th</sup> MARCH 1981  
 Contractor: Mohawk / Mantland Explorations

Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity
Qz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	Rock Type/ Alteration Footage Structure	to Core Axis	Width of Vein			Mineralization and Faulting (Type)	Remarks	
							O.B. 0-22' (Coring @ 22')									
							22 Fresh Arg qtz Fresh to wkly alt Porph qtz	30	10° 40° 50° 30°	Contact 1/2" 1/4" 1/2" 1/4"	qtz vein fracture Seneca clay qtz + feldspar vein Seneca (clay)	Core solid good recovery No mineralization	25	100		
								40	50° 80°	1/2" 2"	fracture Seneca clay qtz + feldspar vein	Core blocky from 30-35' minor py.	35	100		
							44.5 Basalt Dyke Grey - Black wkly alt Porph qtz	50	Contact 10' x 2' 30° Contact 30' x 2'	1/2" 1/2" 1/2"	Py + qtz + (sph) Calcite stringers (py) Calcite - seneca stringers	6" core missing @ 45' (core ground)	45	95		
							53 Basalt Dyke Grey Black	60	10' x 3' 5-10' 10' x 15'	1/2" 1/2" 1/2"	Fine feldspar non abundant seneca alt. minor py. Calcite stringers Seneca alt in fracture Calcite stringers	Core solid good recovery Calcite stringers	55	100		

















Rock Types and Alteration							Graphic Log	Mineralization and Structures			Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results													
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/Alteration Footage Structure	to Core Axis	Width of Vein			Mineralization and Faulting (Type)	Remarks		Cpy		Weight (Grams)	Sample Number												
																Bn	MoS2			Core %	Sludge %	Core	Sludge								
							Fault zone (continued)	560	60° 60° 70°	1.99 2" 1.99 2"	chl - clay - py chl clay py chl - clay py	from 561 - 556 core less sheared. qtz fresh. Calcite stringers with minor hematite. abundant brown calc. py. hematite mineralization. Core locality 0555-558	555	100																	
								560	20° 75° 30° x 2 60° 80°	1.99 2" 1.99 2" 1.99 2" 1.99 2"	chl - clay py calc - py (gn) (gn) chl - clay py (gn) mainly chl - clay chl - clay - py	qtz fresh with calc. - sil. stringers (brown) core shows abundant py	565	100																	
								570	75° 75°	1.99 2" 1.99 3" 1.99 2"	qtz - chl - py qtz. chl - py	qtz. chl. stringers Dye chl - chl - hem stringers qtz fresh - py bluffs of chl - hem - py. thin dye	575	100																	
							Fault Zone ends	580	80° 60° 75° 75° 30°	1.99 2" 1.99 2" 1.99 2" 1.99 2" contact	chl - py clay chl - clay py chl - clay qtz - chl - clay py	core mottled gray brown with chl - chl - clay py bluffs at mine. generally. Core ground at 785 missing 1'	585	90																	
								590	50° 60°	1.99 2" 1.99 2" 1.99 2" 1.99 2" contact	py - chl - hem chl - clay py chl - clay py qtz - hem stringers	qtz. less slight foliation. qtz. 55° to 60° angle qtz. fresh may be 2nd mineralization phase. Py stringers	595	100																	
								600	50° 30° 50° 35° 20°	1.99 2" 1.99 2" 1.99 2" 1.99 2" 1.99 2" contact	chl - clay py calc - stringers qtz - py calc - chl - py chl - clay py chl - clay	chl - py. hem. bluffs dye - py Core highly py. stringers dye	605	100																	
								610	60° 60° 60°	1.99 2" 1.99 2" 1.99 2" 1.99 2" contact	chl - clay py chl - clay py chl - clay py chl - clay py chl - clay py	chl - clay py. V. altered chl - clay py.	615	100																	

576  
The All Lamp Dye 572  
Py. hematite. Calc. All 574  
Dye All Lamp Dye 574

582  
Chl. All Lamp Dye  
The Arg. All Lamp Dye  
Dye 584

The Arg. All Lamp Dye  
592

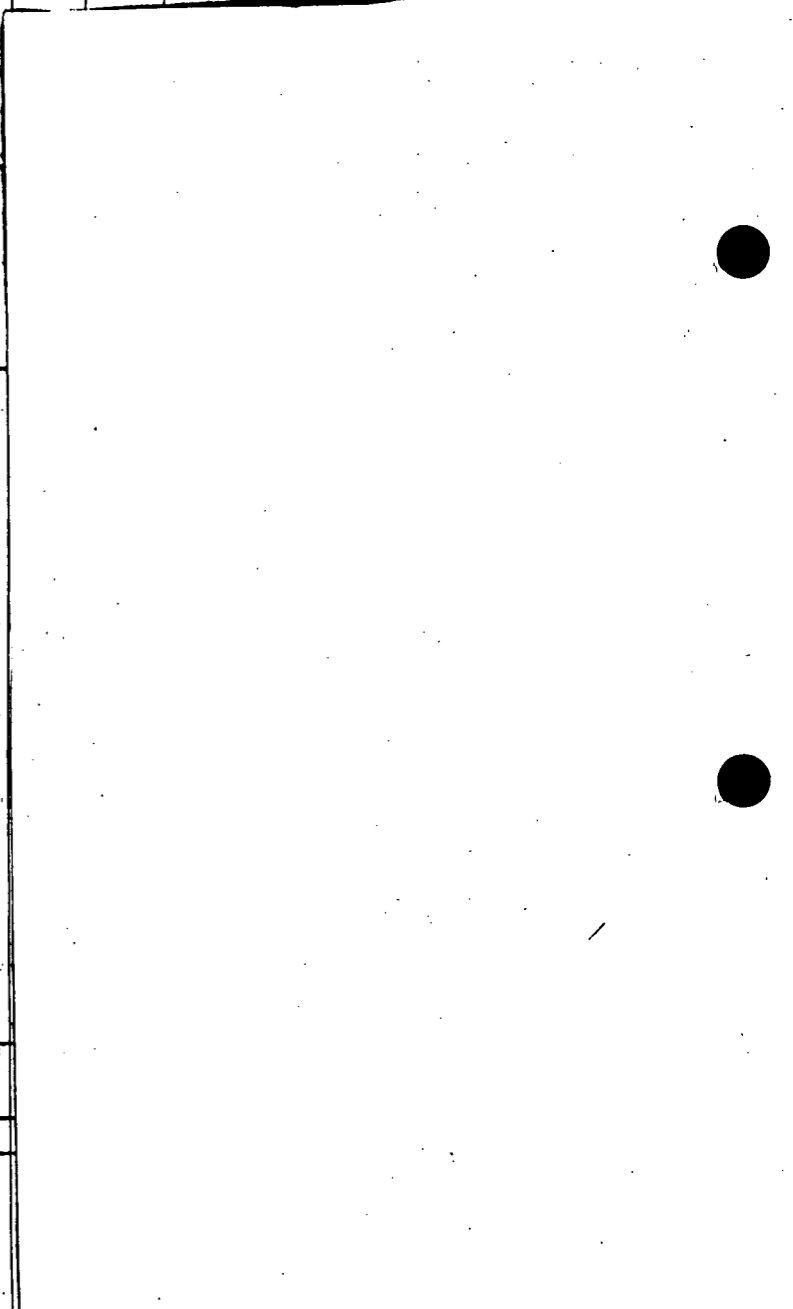
Chl. All Lamp Dye  
594  
The Arg. All Lamp Dye  
602

612  
Chl. All Lamp Dye  
614  
The Arg. All Lamp Dye  
620





Rock Types and Alteration							Graphic Log	Mineralization and Structures			Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results									
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/ Alteration Footage Structure	to Core Axis	Width of Vein			Mineralization and Faulting (Type)	Remarks		Cpy.		Weight (Grams)		Sample Number	GOLD g/ton	SILVER g/ton	Pb g/ton	Zn %	Cu %	Mo %	W %
																Ca	Sph	Core	Sludge								
								5	hlc 88	chl 88																	
								60	4	qtz-(Ccpn)	1' missing @ x 62'																
								40-50	1/2 hlc	qtz - qtz-mag- chl		65	90														
								60-72	hlc x 2	qtz - mag																	
								70																			
								45	1/2	qtz																	
								50	1 1/2	qtz-py-mag-ser.		75	100														
								55x6	hlc	hem-cpy-cup? x 6																	
								20-30	hlc	chl-mag-py-hem																	
								20																			
								30	1/2	qtz-py-ser.	24" missing @ 84'																
								10																			
								20																			
								88																			
								87 1/2		55 contact																	
								90		Diorite																	
								93																			
								95		Mod. Arg. Alt'n																	
								95	50x78x4	hlc x 6	1 1/2' missing 100' to 102'																
								5	hlc	qtz-mag-hem-x 6 ser. alt'n		95	85														
								100																			
								40x5	hlc x 5	hem+chl x 5	minor oxidation on fract's at 101-103																
								65+80	1/4 x 2	qtz-(py)-ser.	X 3' missing																
								110		qtz-ser-py Env.	100-110 core very blk ground in saw plant																
								115	15+20x3	Fract with (chl)																	
								80	1	qtz-cpy-py																	
								80	1/2	qtz-py-cpy	qtz-ser-py alt'n																
								70	1/2	qtz-py-cpy	qtz-ser-py alt'n																
								120																			
								15	hlc	chl																	
								20	hlc	mag-hem- chl	4" missing @ 123'																
								25	hlc	mag- chl																	
								120	80+90	1/2 x 2																	





















Rock Types and Alteration								Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results							
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance		Rock Type/Alteration Footage Structure	To Core Axis	Width of Vein	Mineralization and Faulting (Type)			Remarks	Py		Cpy	Core %	Sludge %	Core	Sludge					
								62						61													
								70	40 70 35x60	hls 6 1/2x2	mag qtz-mag-(py) qtz-mag-(py)x2			100													
								80	40x3 20 30 20	hlsx3 14 hls 70	mag mag-qtz mag qtz-mag-(py)			75													
								90	60 65	116 hls	cal. chl cal.	2' missing @ 81' core ground @ 82'	83 80														
								92	35x120 40 3-40	hlsx3 hls hls	limonite x3 hem-chl hem-chl. clay slips	core ground 1 1/2' missing @ 92	93														
								110	70	114	qtz-py.	core ground @ 100' ~ 25' missing	75														
								120	30x2	hls+10	hem-chl-argx2	6" missing @ 115' - core ground @ 118' 6" missing @ 118'	115 90														
									5 80 0	hls hls+3+1/2 1 hls	limonite magx3+qtz-mag-py qtz-py-ser-mag limonite			123 125													

Basalt Dyke

core missing?

3" qtz-ser-py env.





Rock Types and Alteration								Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results								
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/ Alteration	Footege	Structure	to Core Axis	Width of Vein			Mineralization and Faulting (Type)	Remarks		Ga	Sph	Weight (Grams)	Sample Number							
																		Py	Ox	Core %	Sludge %	Core	Sludge					
											70	3	qtz-(ps)-(cpx)	18" missing @ ~208'	205	85												
											022	Max	chl-clay &c															
											80	2	qtz-(ps)-(cpx)															
								210			40	1	qtz-(py)-(mag)															
							Felsic/dk 215'							18" missing @ 214'	212	85												
							Fault Zone																					
							greenish white clay gouge	220																				
														very minor Fig. Pyrite in fault zone 6' missing @ ~223' 24" missing 225'-230'	225	75												
											230	20-50	Chlorite abundant															
													235-245															
20	25	40%	80	-	val to	5-	Potassic Alt'n	237						24" missing 235'-240' Pink feldspar + chlorite very abundant 12" missing @ 245'	238	65												
		15%		coarse stibb. porph. locally texture often obliterated	6	of P.G.D.?	240																					
							(primarily K'spar-chl. alt'n assemblage)	250																				
														mottled appearance to locally very pink to orange due to local K'spar	255	100												
											45+65x3	1/4x2+Max 2	qtz((py)) x4															
								260			50+20	1/4+1/6	qtz((py)) x2															
														Increases in K'spar	265	100												
								266'																				
							handredex Dyke																					























Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Recovery		Assay Results					
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	Rock Type/Alteration Footage Structure	To Core Axis	Width of Vein			Mineralization and Faulting (Type)	Remarks	Py	Ox	Weight (Grams)	Sample Number				
							WK Argill + GDP <u>630</u>	60'	4"	chl - clays													
								60'	4"	chl - ser													
								25'	3"	chl - clays													
								55'	4"	cal - horn													
								35'	4"	chl - clays	Potassic alteration very minor for 673-673'												
								640															
								80'	4"	chl - cal - clays													
								20'	4"	chl - clays													
								30'	1/2"	chl - clay matrix Cal													
								650															
								660	60'	contact													
								663															
								670	20'	fracture													
								60'															
								675	80'	contact													
								680	60'	4"	chl												
								685	60'	5"	chl chl chl - clays chl - clays												

Specific Gravity

Core

Sludge

Py

Ox

Weight (Grams)

Sample Number

Core

Sludge

Assay Results

Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Types and Alteration		Rock Type/ Alteration Footage Structure	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results								
							Rock Name Appearance	70°		Width of Vein	Mineralization and Faulting (Type)	Remarks	Core			Sludge	Weight (Grams)		Sample Number										
													Py			Ox	Ga		Spt										
						7	692 $\frac{1}{4}$		700	70°	contact			695															
									710	30°	1/8"	Calc. hem.	Dark contains H/C cross cutting stringers of chlorite throughout on random calc. stringers approx. chlorite fractures are coated E hemite + chlorite cutlets from 692 $\frac{1}{4}$ - 712 $\frac{1}{4}$		705														
						7	714 $\frac{3}{4}$	Dark 10-12% alteration calcite	720						715														
						6	719																						
						7	726	Light gray calc. Dark Porphyry	730																				
								Med. Gray Green Dark Dark porphyry																					
									740																				
									750																				

End Hole @ 735!

minor mineralization  
is mainly disseminated  
in med. intensity  
porphyry. Pyrite  
is in small amounts  
Potassic alteration  
is present  
in 30% which occurs  
at least a few feet.  
Main alteration is  
Dark cuts in @ 585!  
including tail - 35

What is present  
in 30% which occurs  
at least a few feet.  
Main alteration is  
Dark cuts in @ 585!  
including tail - 35



Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results								
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/Alteration	Footage	Structure	to Core Axis			Width of Vein	Mineralization and Faulting (Type)		Remarks	Bn	MoS2	Weight (Grams)	Sample Number						
																		Py	Ox	Core	Sludge						
							Lamp Dyke (cont.) 684				70°	hairline	Cal-hem stringers	Core grounded at 60' missing approx 1' Dyke highly alt. biot + pl	60												
20%	30%	25-30%	10-15% Biot				Wk-Mod Alt. Altered 714	70			30° 70°	4-8"	Cal-Ser-cal	Core blocky													
							Dyke (Andesitic) 744				40°	8"	Cal-Ser	Core possibly missing at 71' and 90' Core grounded at 76', 1' missing	65	90											
							Int. Arg. Alt. 754				50-60	8-10" fract.	qtz-ser		75	80											
							Int. Arg. Alt. 779				40°	4"	qtz-ser - mag. in qtz vein	Core blocky, crumbly in places													
							Int. Arg. Alt. 88	80			55°	contact	Cal-hem stringers cpy-py		81		3										
							Quartz Vein 89				60° 70° 50°	1/4" - 1/8" + 1/16"	Cal-cpy-py	Melanocratic (gran) 285' banded Mineralization 40' Clinopyrox. (Mo)-cpy-py	100		Mo										
							99	90			50°		Crushed sulphides black gummy				7										
							100				30° 85° 50°	1/8" 1/4"	qtz-hem-py cpy-py-Cal qtz-ser qtz-alt. Ser stringers cpy-py in dyke	Core grounded at 98'	91		3										
							100	100							95	100		Mo									
							100				30° + 50° 30°	1/8" 1/8"	qtz-ser-py qtz-ser stringers	has porphyry at 100'													
							110				50°	1/4"	qtz-ser-hem-py		105	100											
							110				contact																
							119				50°	contact		Som. cpy-py-mag.	115	100											
							120				70°	contact	Cal-py-mag														
							120				50°		Cal-hem														
20%	30-35%	15-20%				>5%	Wk-Mod Alt. of of GP	120			30°	1/8" 1/8"	Cal-hem clay in matrix Cal-ser cpy-Mo-py	mag. - mod - py Moly in con + graphite cpy-py less mafics	125	100		Mo									























MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Hole No.: SAB-80-12

Project: Kettle River

Section: \_\_\_\_\_

Lat.: \_\_\_\_\_

Dep.: \_\_\_\_\_

Azimuth: \_\_\_\_\_

Dip: \_\_\_\_\_

Collared: \_\_\_\_\_

Dip Tests: \_\_\_\_\_

Remarks: No Sludge Collected  
log Scale 1" = 10'

Core Size: NQ

Elevation: \_\_\_\_\_

Completed: \_\_\_\_\_

Length: 275'

Claim No.: \_\_\_\_\_

Logged by: B. Callaghan

Date: 25<sup>th</sup> March 1961

Contractor: Mohawk / Matland Explorations

Rock Types and Alteration								Graphic HW	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade	
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance		Rock Type/Alteration Footage Structure	to Core Axis	Width of Vein	Mineralization and Faulting (Type)			Remarks	Py
							OB-032 Bedrock 32' Coring 232'	30								
25% iron	30-35 iron	30% feldspar white and 2cm	10% bio feldspar 0.4Hb	>5% mag.	hard & coarse	7	Fresh - Wk Arg. Alt. Gr. w/ chlorite porphyry	40	35° 30°	1/16" 1/16"	Cal - Ser Chlor - hem.	oxidized from 3'2' - 47'	34	100		
at base	pink cream	↓	ckl		red		Int. Arg. Alt. GDP	50	40° x 2 20° x 2 70°	10" x 2 to x 2 contact	qtz - chl qtz - Ser qtz - chl - clay - py.	Core continuity - 53' missing 3' ground w 53'	44	70		
	clay Ser	Ser	Ser				Fault? qtz - Ser - mag qtz - Ser - Griv Wk Arg alt. GDP	60	70° 50°	2" 3"	qtz - Ser - (sp) - py - hem. qtz - hem - py chl - clay - ser - py	Core ground 258' missing 1' Missing 2 1/2' w 50 - 51' discon then and py py occurs along faultlines and on blastos.	55	65	0 03 08 5	
				mag 7%			Wk - Arg Alt GDP	70	40° 35°	1/2" 1/2"	qtz - K/sp - chl. Cal - chl - hem.	minor py - discon then.	65	100		





















Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Recovery	Assay Results	
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	to Core Axis	Width of Vein	Mineralization and Faulting (Type)			Remarks	Bn		M	Py
							Fast GDP (cont) WK Ag Alt GDP 70 WK Mod Ag Alt GDP 71 WK Mod Ag Alt GDP 72	70 25 20	1/8 1/8 1/8	Cal-chl Cal-chl-lim-py qtz-chl	Core ground 204' minor druse hem.  Core ground 207' minor inclusions of chlor 209.5'	65	100					
							Base Residual Dike Top GDP inclusions 71.6	35 40 30x2 60x40	cont. 1/8 1/8	Cal-chl Cal	Dike chlonite 73-73.4 minor calcite stringers in dike + py (minor)	75	100					
							Mod Ag Alt GDP 87 88	70 85 88	cont. 1/8 1/8	Cal-py Cal-hem. Cal-Lim-py	Veinlet (1/4) of Cal py  minor druse py and along fracture surfaces dissolved hematite	85	100					
							WK Ag Alt GDP 90 91 92 93 94 95 96 97 98 99	35x2 30 20	1/8x2 1/8 1/8	Cal-lim Cal-lim Cal-chl-lim	Core recovery good. most alteration chlon.	92 95	100					
							Mod Ag Alt GDP 100 101 102 103 104	30x4 20 60	1/8=4 1/8 1/8	Cal-chl-lim's stringers Cal-chl-lim Cal-lim-py	Core blocky 2100-1102	103	100					
							WK Ag Alt GDP 114 115 116 117	20 75 40 30	1/8 2" 1/8 1/8	Cal-lim-hem-py 2" K Spar Cal-chl-lim Cal-chl-hem	Core blocky 1092-1102 116-125' Core ground 2117' missing 6" dissolved hem.	113	100					
							Alt Ag Alt Dike Bot 120	10 80	fusion	Very Cal-chl-chlon.	qtz + cal stringers in dyke. hem and chl along some fractures in dyke.	123 125	95					
							Alt Ag Alt Dike Bot 120	80		qtz stringers	End hole 2125' Alt Ag Alt Dike Bot	123 125	95					
							Alt Ag Alt Dike Bot 120	80		qtz stringers	End hole 2125' Alt Ag Alt Dike Bot	123 125	95					













MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Hole No.: SAB-80-17

Project: Kettle River

Section: \_\_\_\_\_

Lat.: \_\_\_\_\_

Dep.: \_\_\_\_\_

Azimuth: \_\_\_\_\_

Dip: \_\_\_\_\_

Collared: \_\_\_\_\_

Dip Tests: \_\_\_\_\_

Remarks: *No sludge collected*

Core Size: *NQ*

Elevation: \_\_\_\_\_

Completed: \_\_\_\_\_

Length: \_\_\_\_\_

Claim No.: \_\_\_\_\_

Logged by: *B. Callaghan*

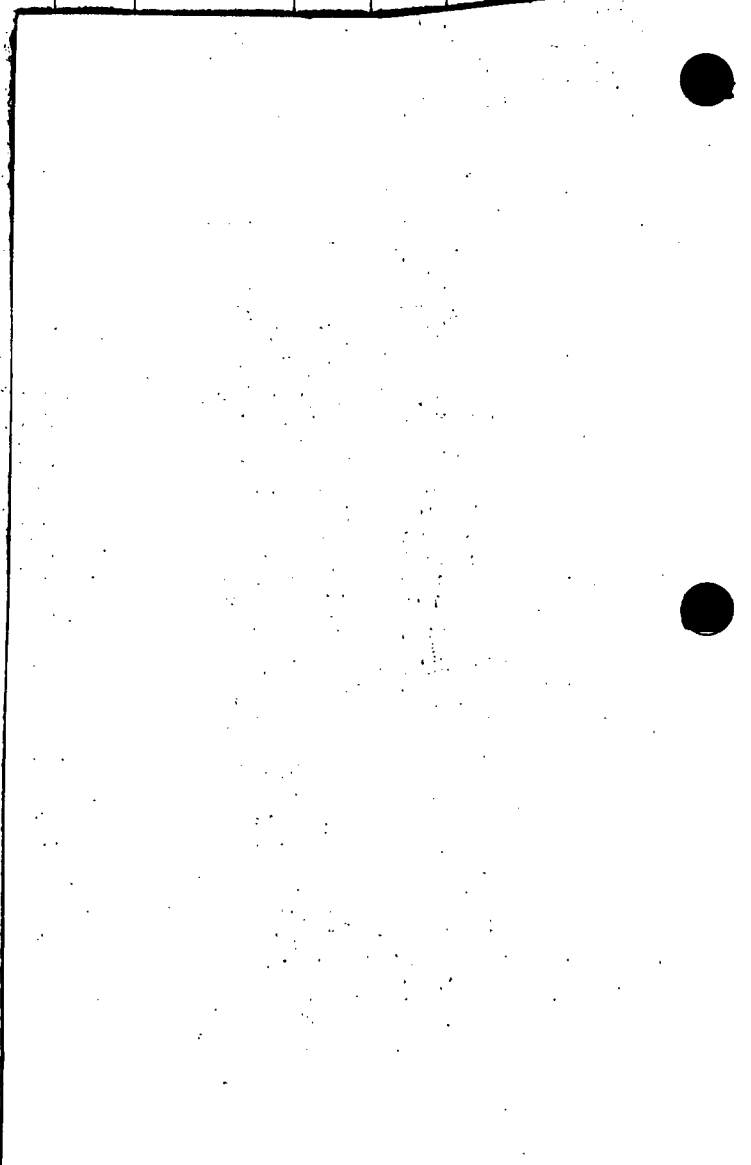
Date: *3<sup>rd</sup> April 1981*

Contractor: *Mohawk / Matland Exploration*

*log. Scale 1" = 10'*

Rock Types and Alteration							Graphic Log	Mineralization and Structures					Estimated Grade	Specific Gravity	W	C				
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/ Alteration Footage Structure	to Core Axis	Width of Vein	Mineralization and Faulting (Type)	Remarks					Footage Blocks	Length Recovery	Cpy	
																			Bn	MoS2
							OB unkill 42 1/2  Corey 242 1/2													
							42 1/2 max grain Highly Altered within base of A.				chl - clays.		Core blocky 43-45' 47-48' alteration is high varies from light to dark grey green with Hb, chl varying in amount and size. Maximum oxidized at 45'	43	70					
							51 light green leached, Bkt 4B dyscr. comp.				chl - clays - bleached. Cal - Lim		Core blocky 52 1/2 - 60' grey stringers E, chl.	55	64.2					
							55 1/2 Light green alteration Dyscr. comp.				discontinous grey stringers		discon py + lim on patches and in dyscr.	60	70					
							57 1/2				discontinous grey stringers		discon py + lim on patches and in dyscr.	65	65					
							70				9 1/2 - cal - patches		Chl - Lim along fractures	75	83.3					
							72 1/2							78						

Rock Types and Alteration							Graphic Log	Mineralization and Structures			Estimated Grade	Specific Gravity	Recovery		Assay Results																	
Qtz	Plg.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/Alteration	Foliation	Structure			to Core Axis	Width of Vein	Mineralization and Faulting (Type)	Remarks	Footage Blocks	Length Recovery	Weight (Grams)		Sample Number	Gold	Silver	Pb	Zn	Cu	Mg/W					
																	Cpy		Core		Sludge		Core		Sludge							
																	Bn	MoS2	Py	Ox	%	%	%	%	%	%	%	%	%	%	%	%
							mod med alt 90%				45	contact																				
							Light grey med alt Slightly porous				70	1/2"	qtz-calc			55	100															
							Light grey med alt Slightly porous				85	5.8 x 4"	calc - clms.				100															
							Light grey med alt Slightly porous				25	1/2"	qtz-calc			95	100															
							Light-Med Green alt				25	1/2"	qtz-calc																			
							WB Dye purple				70	1 1/2"	qtz blebs 1" diam light grey dye inclusions			105																
							Highly alt WB dye				50	fract 5.8-6"	calc - clms			100																
							mod med alt 40-50%				55	fract 9.9-1'	calc blebs 1" diam			115																
											65	fract 9.9-1'				100																
											5	1/8"	calc - chl			122																
							Light grey med alt				25	1/8"	qtz			90																
											30 x 2	1/4"	calc - chl																			
											35	contact	calc - chl			132	100															
											35	contact	calc - chl			137	80															
							mod green high alt dye WB dye				55	contact	qtz - calc - py			142																
											40	contact				90																
											50	contact				148																











MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Section: \_\_\_\_\_  
 Lat.: \_\_\_\_\_  
 Dep.: \_\_\_\_\_  
 Azimuth: \_\_\_\_\_  
 Dip: \_\_\_\_\_ Core Size: no Elevation: \_\_\_\_\_  
 Collared: \_\_\_\_\_ Completed: \_\_\_\_\_ Length: 203'  
 Dip Tests: \_\_\_\_\_  
 Remarks: no sledge collected  
log scale 1" = 10'

Hole No.: SAB-80-19  
 Project: Kettle River

Claim No.: \_\_\_\_\_  
 Logged by: B. Callaghan Date: 7<sup>th</sup> April 1981  
 Contractor: Mohawk / Mairland Explorations

Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Recovery	Assay Results		
Qtz	Plag	K Spar	Mafic	Accessories	Texture	Hardness		Rock Name Appearance	Rock Type/ Alteration	Footage Structure	to Core Axis			Width of Vein	Mineralization and Faulting (Type)		Remarks	Py	Ox
							Broken rock, fragments from 20' Coring @ 22 ft.												
					med gran	7	Mod. Arg. Alt. of G.D.P. dark, congl. 27 ft			35	to	qtz - cal	Core assembly from 25' - 28' missing 2 1/2' oxidized up to 57'						
						7	light Sand Green Wood Dike Breccia			30	to	qtz - cal - lim	Dike contains chlonic blebs + cal - qtz stringers of mica		68.8	.05			
							Int Arg Alt of G.D.P. Mod Arg Alt of G.D.P.			50 70	to contact	qtz - cal	Core blocks from 32 1/2' 35' Core amount @ 33' missing 1' hem. chl along fracture Synclinal 7% Diagen hem. Py - (P) @ 33', hem veinlets 2 ft						
					fine	5	Fault zone WE Arg Alt G.D.P. Int Arg Alt G.D.P.			40 50	to 65° 80°	fault qtz - 5' contact	chl - clay - (light green) cal - chl - hem.						
							Mod Arg Alt G.D.P. Fresh G.D.P. with WE Arg Alt some low levels			20	to	cal - chl.	Core blocky @ 51 1/2' 55' missing 6"						

Gr SPH  
Py Ox









MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Hole No.: SAB-80-20

Project: KETTLE RIVER

Section: \_\_\_\_\_

Lat.: \_\_\_\_\_

Dep.: \_\_\_\_\_

Azimuth: \_\_\_\_\_

Dip: \_\_\_\_\_

Collared: \_\_\_\_\_

Dip Tests: \_\_\_\_\_

Remarks: No sludge collected

Log Scale 1" = 10'

Core Size: NQ

Elevation: \_\_\_\_\_

Completed: \_\_\_\_\_

Length: 200

Claim No.: \_\_\_\_\_

Logged by: B. Callaghan

Date: 9<sup>th</sup> April 1981

Contractor: Mohawk / Matland Exploration

Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	Rock Type/ Alteration Footage Structure	to Core Axis	Width of Vein			Mineralization and Faulting (type)	Remarks	
							Py					Sph				
													Py			
							OB with 14' Conneg @ 14'									
			25 15-20 10-20		med grnd mass	7	Fresh Granodiorite <u>porphyry</u>	20	30	fracture	Cal-Lim	oxidation from 15' 34'	15	95		0.5
							Int Arg Alt GDP	50	50	1/2	qtz - Ser	Core blocky @ 24' - 26' missing 6" @ 24' Core ground @ 26' missing 3'	25			
				ch 1/2 3-4			Light Green alt Dyke <u>Abundant</u>	50			var 14 qtz - cal.	Dyke contains var 14 qtz - Calcite stringers	70			
				Tourmaline 3-4 2-3			Int Arg alt GDP	40	40+80 80 35 35 25 x 3	1/2 x 2 contact 1" fault qtz 1/2 x 3	qtz - cal. qtz - Lim. chlorite - claus. qtz - chl - Lim	Core blocky @ 39-45'	35	100		
				H2O CO2 Borax Sph			Mod Arg alt GDP	50	30 30 30 75	1/4 contact 3"	Cal - cal cal - chl - clays chl - clay 4/5 - qtz (no mafics)	Dyke inclusions @ 44-45 chlorite hem. in chlorite alteration at GDP	45	100		
							Fresh GDP	50	80 50 40 x 2	1" contact 1/2 x 2	Hb - biot (Zoned) Dyke inclusion Cal - Lim	minor drossen py @ 50' chlorite hem	55	100		
							Mod Arg Alt GDP	60	20	1/2	Cal - qtz - chl - Lim					



Rock Types and Alteration							Graphic Log	Mineralization and Structures			Footage Blocks	Length Recovery	Estimated Grade		Recovery	Assay Results							
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	Rock Type/ Alteration Footage Structure	to Core Axis			Width of Vein	Mineralization and Faulting (Type)		Remarks	Gr. Sph	Py	Ox	Weight (Grams)	Sample Number		
							Med Gray And Dyke <u>cond</u> 138 1/2	140	70 50	4" 1/2 fracture	cal - chl qtz - cal cal - py qtz - cal - lim		135	100									
							Alt light brown And Dyke rock 45 Tr Ag Alt G.D.P. Rich microp. 147 1/2 149 1/2	150	50"	1/8"	qtz - lim	massive py and lim	145	100									
							Highly altered Fault zone 153 Tr Ag Alt G.D.P. 155 1/2 Wk Ag Alt G.D.P.	160	60" 60" 30"	contact contact 1/8"	cal - chl - lim		155	100									
							166 1/2 Med Gray not recognizable 170 172 1/2	170	30" 10" 150"	1/4" 1" contact	cal - chl - lim Dyke inclusion		165	100									
							181 1/2 183 1/2	180	30	1/8"	qtz chl		175	100									
							181 1/2 183 1/2	190	30	contact			185	100									
							190 1/2 190 1/2	190	30x3	10"	cal		195	100									
							190 1/2 198 1/2	190	35 40 80x2	contact 1/8" 1/2"	cal - chl cal - chl		195	100									











Rock Types and Alteration							Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results								
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/Alteration	Footage	Structure	to Core Axis			Width of Vein	Mineralization and Faulting (Type)		Remarks	Bn	MoS2	Weight (Grams)	Sample Number						
																		Py	Ox	Core	Sludge	Core	Sludge				
							Int Arg altered		280		80°	1/4 to 1/2	chl - clay chl - clay chl - clay polished	py do not to py stringers. dense py in matrix. Some apatite?													
							281 WK Mod Arg altered 285 Mod Arg altered 290		290	30		1/8"	chl - hem.	minor dense py and along fracture surfaces. which are possibly reprecipitated.  hem along fractures + disson.													
							WK Arg alt with inclusions of mod arg		300	30		1/2 6"	cal - chl qtz - chl - hem zone														
												1"	silica zone with hem														
							3 1/2" ch. inclusion		310	15		contact	cal - chl.														
									320	65° x 2 55°		1/2 x 2 1/2"	cal K/Spar	hem + chl. an aptite fractures.													
							321 And Dyke.		330	65° 35° 50° x 3		2 Contact 1/2	K/Spar - hem cal - chl. cal.	Dyke contains Cal; chl stringers + Cal stringers													
							322 Sandstone Dyke		340	60° 50° x 3		contact 1/2	cal - clay cal stringers w 36 cal.	disson py lined													

fine grained not magnetic

And Dyke.

Sandstone Dyke

6" q.d. po. ph. inclusions























MOHAWK OIL COMPANY LIMITED

DIAMOND DRILL RECORD

Section: \_\_\_\_\_  
 Lat.: \_\_\_\_\_  
 Dep.: \_\_\_\_\_  
 Azimuth: \_\_\_\_\_  
 Dip: \_\_\_\_\_  
 Collared: \_\_\_\_\_  
 Dip Tests: \_\_\_\_\_  
 Remarks: no sludge collected

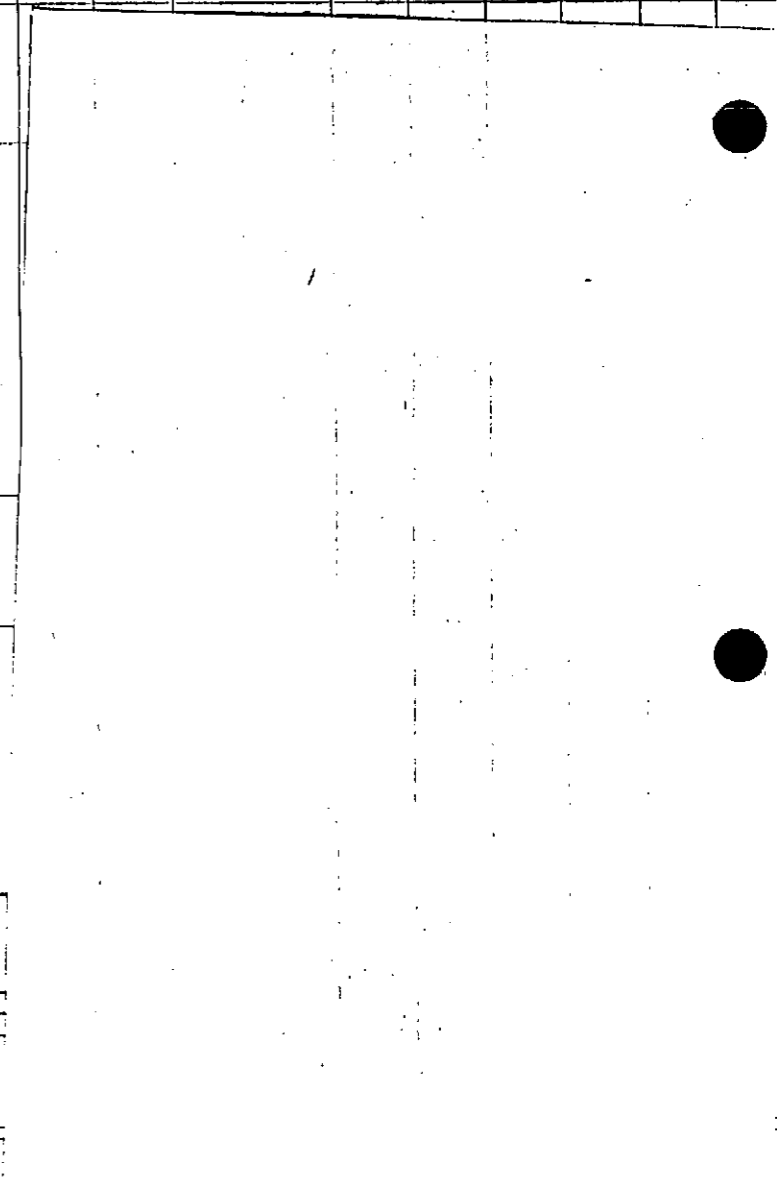
Core Size: 100 Elevation: \_\_\_\_\_  
 Completed: \_\_\_\_\_ Length: \_\_\_\_\_

Hole No.: SAB-80-23  
 Project: KETTLE RUN  
 Claim No.: \_\_\_\_\_  
 Logged by: B. Callaghan Date: 28<sup>th</sup> April 1981  
 Contractor: Mohawk / Mainland Explorations

Qtz.	Rock Types and Alteration						Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Wt %	
	Plag.	K Spar	Mafics	Accessories	Texture	Hardness		Rock Name Appearance	to Core Axis	Width of Vein	Mineralization and Faulting (Type)			Remarks	Cpy			
															Py			Ox
						Casing 20'	20											
						222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000	55	8"	Py	4 1/2" veinlets in stockwork 1/2" wide approx. Py blebs + disseminated, no orientation some of the veinlets 225' Py semi massive in the veinlets	25	100						
						WK. Ac. Alteration of Granodiorite 348	307											
5.		30%	10%	may 2%	red- brown 2.5-3.0	7 <u>Fresh QDP</u>	40	45	1/2"	cal. chl.	Con blocky 30-32'	35	100					
							40		fracture	infused with chl - lim		100						
											Con blocky 40-42'	45						
							50				py. blebs in py. veinlets others as d. Py. also known.	45	100					
						WK. Ac. Alteration 56-58	AC7	55	1/2"	1/2" - cal - semi-Py.		55						
							AC7	40°	8"	cal.								



Rock Types and Alteration								Graphic Log	Mineralization and Structures				Footage Blocks	Length Recovery	Estimated Grade		Specific Gravity	Recovery		Assay Results																		
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance		Rock Type/Alteration Footage Structure	to Core Axis	Width of Vein	Mineralization and Faulting (Type)			Remarks	Cpy		Core %	Sludge %	Sample Number																		
																Qtz				Sp.	Core							Sludge	Core	Sludge								
							131 1/2 Mod. Int Am Algn 2" Dyk inclusion		30' 55'	contact fractures	cal - chl. chl - con.	2:174 clays, con 20% yellow green, con clays over along fractures.	135	100																								
							138 1/2 qtz - cal - Int Am 2" Dyk	140																														
							140 1/2 8" qtz - v. m. cal.																															
							145 1/2 7" - 6" 2" All and Dark P. pt.	150	50' 40 1/2'	contact fractures					145	100																						
									30" x 4" 50"	fractures																												
							2" qtz - P. inclusion	160																														
							155 1/2 160 1/2 qtz - cal - Int Am 2" Dyk		45 x 5 30' 30'	fractures contact contact	Cal - Lim	Cal ground @ 165.		165	100																							
							170 170 1/2 qtz - cal - Int Am 2" Dyk	170																														
							170 1/2 fractures, P. pt.		30' 30'	fractures	cal. cal inclusion			171	100																							
								160	30' - 30'	fractures	qtz - cal.																											
							183 1/2 qtz - cal - Int Am 2" Dyk		40' 70'	contact	qtz - cal - con			185	100																							
							187 1/2 fractures, P. pt.	170																														
							195 1/2 fractures, P. pt.		70"																													
							195 1/2 fractures, P. pt.		50'																													





























Rock Types and Alteration								Graphic Log		Mineralization and Structures				Estimated Grade		Recovery		Assay Results																
Qtz.	Plag.	K Spar	Mafics	Accessories	Texture	Hardness	Rock Name Appearance	Rock Type/ Alteration Footage Structure	to Core Axis	Width of Vein	Mineralization and Faulting (Type)	Remarks	Footage Blocks	Length Recovery	CPY		Specific Gravity	Weight (Grams)		Sample Number														
															Ca	SpL		Core	Sludge	Core	Sludge													
															PY	OK										%	%							
							201		20'	contact	with P.G.D.	very minor																						
							Lamp. Dyke 203		35'	contact	with P.G.D.	dks. p.s																						
							<u>WK. Arg. Alt'd</u>		60	2"	qtz-K'spar (pink)	K'spar vein ~ 4"	205																					
							<u>P.G.D.</u>		60 x 3	1" x 2 1/2"	qtz K'spar (pink)	WEAK																						
								210	30'	4W	cal.	Sec. K'spar zone?																						
							211		40'	contact																								
							Lamp dyke 213 1/2		20 + 35'	4B + 4L	cal. x 2																							
									35'																									
								220	70'	1" ss	fault chl-clay ss.																							
									50 + 55'	1" x 2	qtz - (K'spar) x 2																							
									50	4 2/3"	clay + chl ss.																							
									50 + 55'	4 1/2"	K'spar alt'n																							
							4" Lamp +	230	80'	10 x 2	cal	some cal with																						
							2" Lamp +		80	contact	with dyke	strings																						
									65'	"	"	very minor diss.																						

Summary: Hole Generally  
 wk to Moderately acid Prophyritic  
 granodiorite & lamprophyre/Basalt  
 dykes  
 Galena + (Sphalerite) + Pyrite  
 mineralization from about  
 30' to 130'







