DRILL HOLF LOGS /28(211)

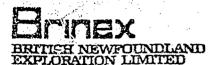
PORT AU PORT PENINSULA, NEWFOUNDLAND

by Craig Saunders & Jenna Hardy

May 1975

May 1975

N75 12810W/12811E G75078



PLEASE NOTE NEW ADDRESS: 33 CITY CENTRE DRIVE, SUITE #210, MISSISSAUGA, CHTARIO L5B 2S8 TELEPHONE: (416; 270-8142

120(211)

Johnson Ward and Joseph

ONE WESTMOUNT SQUARE, MONTREAL, QUEBEC, CANADA, HSZ 2X5

TELEPHONE (514) 931-5771

December 8, 1977

Mr. J.M. Fleming
Assistant Deputy Minister of Mines
Government of Newfoundland and Labrador
95 Bonaventure Ave.
St. John's, Nfld.
AlC 5T7

Dear John,

I refer back to your letter of May 31st, 1977 concerning report submissions. Having now received the Cominco report, I herewith enclose it, together with several other reports which I don't think you have copies of. They are:

P 76012 Initial Results of IP Surveying at Indian Pond

G 77007 Petrographic Study of the Indian Pond Volcanics -

P 76013 HEM and Magnetometer Survey, Indian Pond Project

G 75078 Drill Hole Logs, Port au Port Peninsula -

G 76031 Cominco-Ramah Reconnaissance.

You will note in the Cominco report a Statement of Expenditures of \$40,598. I don't think this had been reported previously.

Yours sincerely,

G. Harper

Regional Geologist

Newfoundland and Labrador

ONE OF THE THE COMPANIES

120(21)



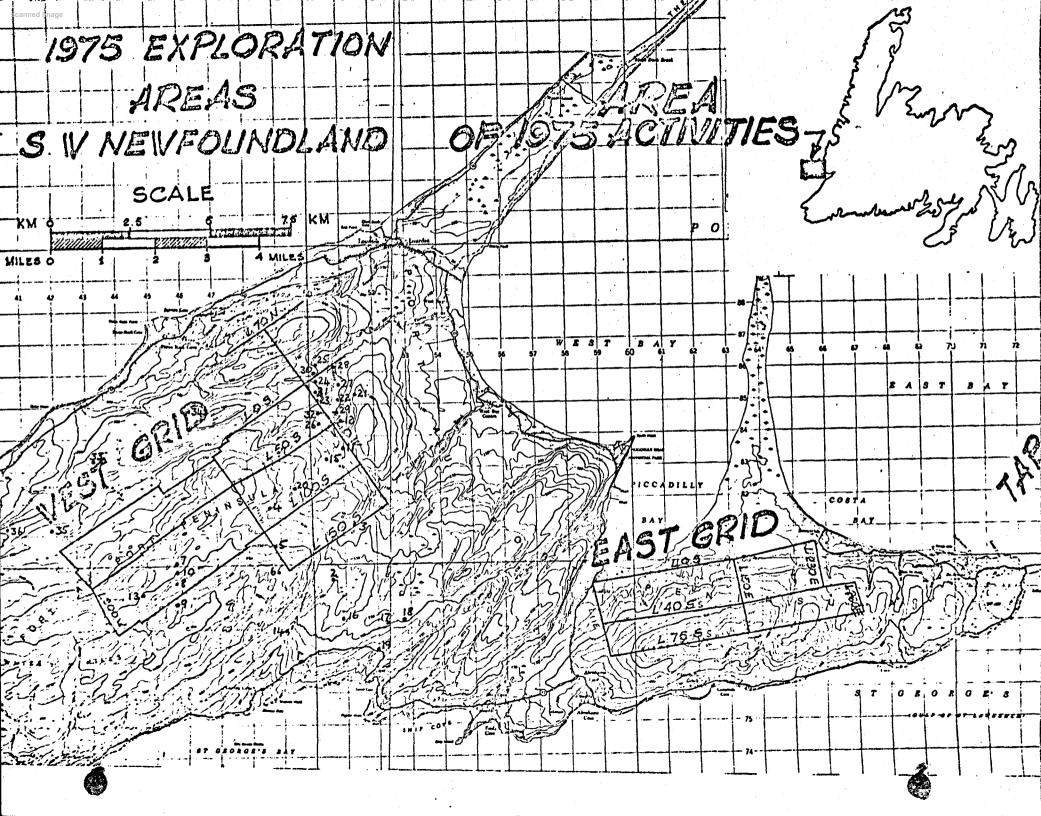
### DRILL HOLE LOGS

#### PORT AU PORT PENINSULA, NEWFOUNDLAND

by Crain Saunders & Jenna Hardy

Thirty-six diamond drill holes were completed in 1973 and 1974 on the Port au Port Peninsula, Southwest Newfoundland, during a programme by Lehigh Cement and Brinex, to test the suitability of the sedimentary sequence as raw material for a cement plant. The cores were logged in detail in 1975 during the Brinex/Freeport programme for lead and zinc in the carbonate rocks. The cores are now stored in the Brinex base camp at Springdale, Newfoundland.

The stratigraphic terminology is defined in the Brinex/ Freeport report on exploration in 1975 and basically follows that introduced by David Besaw in his reports. Accurate locations of the drill holes can be found in the Lehigh report, while a general location map is included with the logs.



PROJECT	PORT AU PORT	, · ·

D. D. HOLE No. 1-73

LOCATION UIM Grid 5577300 MN	
349900 ME	· ·
HOLE STARTED	-
HOLE COMPLETED	
CORE RECOVERY 100	_ · •4
DRILLED BY	

		SURVEY
Depth	Dip	Azimuth
10, 14		影响的影響

COLLAR.	LAT	 			 
	DEP				1
	ELEV.				
	AZIMUTH	-		- 14. 14	
	t)(D				
LENGTH					
HOP PRO		 	/ERT.	P2OJ	

500	TAGE	DESCRIPTION		SAN	PUNG					Ĺ
FRCIA	70		SPL NO.	HOM	то	FEET		ļ	]	
0	5.0	Overburden PIGENN HEAD								
5.0	10.2"	Grey limy mudstone local pellets, sparse fine fossils, some irregular calcite patches (less than 1/5") and veins (less than 1/10") 9 0-10.0-limonite-stained fractures, irregular pellet areas.								
10.2"	19.0	grey limy mudstone, local calcite <i>iper</i> (less than 1/10"-1"); limonite in fractures and along bedding planes throughout; 14.5'-15.0' elongate pelleted cherty biotitic debris with layers of non-fossiliferous chert up to 1" thick; 13'10": elongate clasts in vaguely bioturbated lone from 15.0-19.0,								
19.0	27.8"	grey limy mudstone, locally laminated. Calcite patches throughout 26'2" - 1"x 1" hematite on bedding planes throughout; 25.0-25 2": pelleted, finely rossil. chert.								
27.8"	34.2"	Grey limey mudstone, vaguely to distinctly bioturbated; 28.9"-brownish white (frable) sandy and limy mudstone; 32.2": chert ark pellets; hemtatice stain throughout.								
34.2"	38.4"	Grey-tan limy mudstone; hematite coated stylolites and splotches; limonitic green shaly partings; sandy; fine calcite filled fractures.								

PROPERTY PORT AU FORT

HOLE NO. 1-75 SHEET NO. -2-

FOOT	AGE			SAA	apling	• •	in A	1,000	i.	
ROM	то	DESCRIPTION	SPL NO.	FROM	TO.	FEET	 -			
3,4"	42.0	Grey limy mudstone, bioturbated, eval cherts and pellets; heratite coating some clasts and stylolites; fine fossil fragments; number of pellets, fossils and clasts decreasing downwards; shaly partings and patches; calcite patches increases downwards.								
2.0	50.0	Grey-grey tan limy mudstone; hematite and calcite filled cavities and fine fractures; vague bioturbation with limy infill increasing in definition downward; chert at 42 2", 45.4", 44.8", 45.1"; 45.5"-46.6" - irregular? yellowish veins (soft) and calcite; 47.2"; yellow brown sandy and limy mustone								
0.0	57.8"	Grey limy mudstone, distinctly bioturbated locally pelleted - packeston or more often wackestone; limestone and hematite infill, fire fossil debris (bivalves, crimoids); sparse angular limestone contel clasts burrows infilled with coarser, lighter (yellow to white) limy mudstone 56.0-57.6": laminated, lighter and darker layers on !" scale.	<b>.</b>							***************************************
7.8"	65.0	Grey limy mudstone, vaguely to distinctly bioturbated; fossil fragments recrystallised to white sparry calcite (crinoids?); limonite infill; irregular calcite fractures and vugs.	3							
55.0	74.6"	Grey-tan limy mudstone; sandy textured; hematite veinlets and stylolite with bleached white area surrounding; limonite stained, green shaly beds: 66.10", 69.5", 71.0	es							
4.6	81.6"	Pink-gray limy mudstone; hematite and limonite on bedding planes and disseminations throughout, sometimes coating oval pellets in normal limy matrix i.e. local wackestone areas; sparse calcite veinlets.								
31.6"	86.1"	Pink-grey limy bioturbated mudstone with hematite and limonite disseminations throughout; burrow infill coarse whitish grey mudstone; hematite defines some pellets (less than 10%) and sparse splotches in burrows; limonite increases downwards.								
Só.1"	90.10"	Pink-grey limy mudstone; sandy textures; hematite veinlets (sometimes cross cutting) and stylolites with bleached white area around; some 1/5" veins with calcite-limonite-hematite outward; green hematite and limonite stained shaly patches.								
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PROPERTY FORT U PORT

HOLE NO. 1-/3
SHEET NO. -3-

FOOT	AGE			SAM	LING					
FROM	10	DESCRIPTION	SPL. NO	FROM	10	FFET	ļ	<u>.                                    </u>	ļ	
00.10	100 111			1						
90.10"	100.11"	Grey limy mudstone with limonite and lesser hematite stained green shaly bands disseminated throughout; local pellets, interclasts; fine fossil debris-wackestone to packestone (e.g. 91.5"-91.8")								
		algal sets, bivalves, gastropods (?); again calcite-limonite- hematite outward, much bioturbation - disruption of shaly pands-						1		
	1	burrows coarser limy yellow mudstone often pelleted; hematite and limonite coars some clasts and pellets.								
		LOMER COVE				;   				
100.11"	105.11"	Grey tan limy mudstone with limonite stained green shaly portions; local grainstones (pellets, clasts and interclasts) gradational into mudstone (e.g. 102.1"-102.3")								
105.11"	114.6"	Pink-grey bioturbated limy modstone with pinkish hematite and limonite stained, slightly coarser patches in grey matrix; hematite stained stylolites; calcite veins and patches (less than 1/16"); below 110.4" limonite and hematite stained shaly bands and no disrupted coarser patches; sparry calcite parallel to these bands 1/5" thick at 115.1".								
114.6"	116.87	Grey to tan limy madstone with some pink grey patches; hemitite and limonite splotches and veinlets, calcite veinlets and patches outward to limonite and hematite; local laminations into vague grey and tan bands; cross cut by hematite splotches; some tan bands, limy shales; rest just normal mudstone.								
118.8"	132,5"	Grey limy mudstone with limonite and lesser hematite stained green shaly partings; local packestone grades to mudstone; local calcite filled vugs elongated parallel to shaly partings.								
132.5"	135.0	Pink-grey sandy textures mudstone								
133.0	136.8"	Pink to grey limy mudstone; bioturbated, infill limonite stained; coarse grained, sandy with some intercalsts and pellets; local wackestor with limonite stained fragments; darkening in colour downward, 135.10"-136.8": grainstone to packestone colites, pellets and gastropods,	ie							
		bryozoans								

PROPERTY PORT AU PORT

HOLE NO. 1-73 SHEET NO. -4-

FOOT	AGE		!		SAM	APLING	3		1	 1	1	<u></u>
FRCA	to	DESCRIPTION	SPL. IN	o.	FROM		10	FFSC			'	ľ
136.8"	140.9"	Grey limy mudstone, sandy textures; fine luminations less than 1/10" defined by hematite and limonite staining		- , -							91 11 1 2 2 1	
140.9"	146.0	Grey himy mudstone, bioturbated with local sparry calcite infill; rest coarser grained, more sandy with more hematite than manrix; some hematite stained shale partings decreasing downward, sparse local pellets; lematite may coat outside edges of burrows and pellets (pseudo-colites).										
146.0	149.7"	Grey to tan limy mudstone, sandy textures; alternating grey and tan bands; 147.9"-149.0 - alternating pink and grey bands										
149.7"	152,0	Grey limy bioturbated mudstone; infill sandy limonitic; often grainstone.										
152.0	163_3"	Grey limy mudstone; often laminated with hematite or limonite stained beds alternating with grey; some shally partings less than 1/10" wide; limonitic to 155.0; rest hematite; sandy textured; fine hematiti fractures may cross cut laminae; beyond 161.0%—laminae sparse	c			والمساورة والمائد والمساورة			1 (A)			
163. 3"	177.8"	Grey limy mudstone; fine calcite fractures (pp to 1" across; again with calcite-limonite-hemotic outward) cut sub-parallel at sub-rerpend icular to length of core; limy shale partings throughout; locally bioturbated with pellet packestone and sparse, recrystallised fossil debris; 174.0-175.0: grey to grey-tan mudstone with diffuse laminae and almost sundy texture.				Annual to the second se						
177.8"	181.0	Pink to grey to grey tan limy madstone; finely laminated; pink-grey colour decreasing downward; 177.9": cavity infill, wackestone with hematite coated clasts.		•								
181.0	185.2"	Grey limy mudstone with irregular or limonific shale partings; infill wackestone with interclasts, pebbles and pellets, each often coated by sparry calcite; infill coarser grained, more sandy and browner than matrix.										
185.2"	192.10"	Grey to tan to grey-pink finely laminated limy mudstone; below 185.0-number of laminae decreases as does amount of grey-pink colour.										
	Protes spens											

PROPERTY PORT AU PORT

SHEET NO. 1-73

FOOT	AGE				SAM	PLING					<b> </b> ;
FROM	70	DESCRIPTION		SPL NO.	FROM	10	FEEN				-
								10			
2.10"	202.3"	Dark grey limy mudstone; many limonitic (lesser hematitic shaly partings; sparry calcite filled wags less than $1"$ at $1"$ x $1"$ ) 201.3"-202.5": bioturbated with infill coarser and than matrix.	ross (201.7":			7. dd & **		16			
)2.3	203.3"	Grey to pink limy madstone; hematite stained bands alterna normal grey madstone, sandy textures; hematite coated part stylolites: 202.3" to 203.3" - good burrows with coarse, linfill; hematite coating outside of burrows.	ings and								
03.3"	204.5"	Dark grey to pink limy medstone; intensely bioturbated; in grained grey-pink.	nfill coarse								
04.5	208.4"	Grey to pink limy mudstone; sandy textured; hematite stair partings; intensely bioturbated with lighter infill; partitised burrows; hematite coating outside of burrows.	ned shaly ty recrystall-								
208.4	210.3"	Grey limy mudstone; shaly hematite stained partings, some filled fractures and length (gas escape); wavable bioture fill sandy textures; coarser and darker in colour	with calcite action; in-								
210.3	211.10"	Pink to grey Timy mudstone; sandy textures; diffusely lam homatite stained layers (1 to 1/10").	inated with								
211.10'	219.0	Dark grey limy mudstone; intensely bioturbated; coarser degrey-brown infill; recrystallised matrix; hematite coated partings expecially near 215.6"-217.2".	ark shaly								
219.0	220.6"	(SHARP CONTACT); light grey-tan sandstone; limonite and h stained patches; fine calcite fractures (less than1/10")	amatite throughout,								
220.5"	228.1"	Dark grey limy mudstone; bioturbated with infill courser-darker, sometimes hematite stained; quartz filled vugs: 2 227.1", 227.3". Calcite filled vugs and veins and shaly throughout.	21.4", 226.4"			1	The second secon			The second secon	
	i i			•		!					

PROPERTY

HOLE NO. 1-73

F00'	TAGE		·	SAA	APLING		Tritical	
FILOM	10	DESCRIPTION	SPL NO.	FROM	10	FEET	 	 
228.1	232.4"	Light grey liny mudstone, sandy, limonitic and hematitic bands; 228.1" to 228.7"; darker grey bioturbated decreasing in amount of bioturbation downwards and trend to lighter colour; fine pellets and fossil debris throughout to 251.10"						
232,4"	253,4"	Grey limy mudstone; bioturbated; hematite stained and limonite coated shaly partings.						
235.4"	236.1"	Grey limy mudstone; sandy textures; calcite veinlets (1/16"-1") extend from 253.4" to 255.7"; slightly to distinctly bioturbated; recrystallised fossil debris; splotchy hematite and limonite staining.						
256 1	246.11"	From previous unit gradational transition with colony darkering and fining of grain size. Medium-dark grey limy mudstone; variable bioturbation; shaly partings and stylolites distributed throughout; local rackestone (clasts, pellots, colites, bivalve frugments): 240.4%-242.10% - calcite veinlet (1/10%) surrounced by hematite; 245.9% - pyrite, 247.10% - dolomitic mudston, quarts filled vug. 244.2% ([x x ]).						
246.11"	257.0	Pink to grey mottled limy madstone; 246.11"-248.4": green limonite stained shaly partings, variable bicturbation; wackestone to packestone (oolites and pellets) 249.2" to end: calcite-filed fracture (1") 247.0-248.1".						

Green shale, ht stained.

FOOTAGE

FROM

0.0

12.0

			D. D. H0	OLE No	DDH 2 -	73.								
LOCATION_	UTM Grid 5	379600 MN			SUR	VEY	cc	LLAR. LAT						-
<del></del>	3	50600 ME	Depth	Dip	Azimuth				11	early and a second				-
HOLE STARTE	Đ							ELE	V		<u> </u>			-
HOLE COMPL											7.			<b>-</b> .
CORE RECO	VERY	100 %					Œ	ugth			200			<del>-</del> -
DRILLED BY_					1 1 1 1 1 1 1		нс	R. PROJ		\	ERT. PROJ	<b>.</b>		-
													(4.5 JE)	
OOTAGE		DESC	RIPTION				SAW	PUNG						
10				Text more		SPL NO.	FROM	10	FEET					
12.0		Pine Tree: pink-grandstone; ht-stair occluded by sparry rare green clay paross. 12'5": blea	ned, vuggy, p dlmt., vugs tches throug ched clay la	corosity par not inter-o phout up to ayer } "thick	tly occ- onnected 3" acc-									
		Sparry calcite vuo om 1 of finer gre	; infill; coa enish-brown.	erse except	for bott	-								

Port au Port

HOLE NO. DDH 2-73

FOOT	TAGE			SAM	PLING				inger in the second	- 11 - 11
OM	TO	DESCRIPTION	SPL NO.	FROM	то	FEET		4.6		
			_							
}							přes.			
-		Coarse sparry calcite vug infill with Ht stained	1							
		1 / lst. and dlt. clasts. Collapse breccia?								
		/ / angular clasts, interclasts, rotated .	İ					$\mathbf{I}$		
	30.50									
- 1										
		Geopetals: grey fine grained limy mud below white	2						120	
		finer grained limy mud. Max size - 1 across,								Cally 1
ł		/ / not less than 1".	}							
		Grey chert.								
		Green to red, ht-stained shale with pocket of wh					1.0			
		limy clay?.	``J`							
1.4		White chert, pelleted.								
.0	80.0	Interbedded red sucrosic dlt. with greenish to re	edd-							
		// ish clay pockets giving almost a pox-like appear								
í		ance with typical sucrosic mudstone.					1.5			
			1				14.41			
		dlai filled covide								
ļ	1.5	Grey chert. dimt. filled cav. , grey, finer grained layered		1 .			100			
		Grey Chert. (several generation	ıs).							
		Green to grey, somewhat ht-stained clay.								
		Green, ht-stained clay.						- 1 A		
		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐								
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HOLE NO. DEH 2-73

SHEET NO.

PROPERTY Port au Port

**FOOTAGE** SAMPLING DESCRIPTION FROM SPL 110. FROM △ > dolomitic mudst. Bx, limonite and Ht. stained fragments and matrix; sparry calcite cement fragments somewhat rounded; homogen.; circles of concentric limonite stain. Grey-pink, coarse grained dolomitic mudst., highly moutled, likely bioturbated with coarse dolomite infilling burrows, also some white clay infill Grey-tan limy bioturbated wackestone to mudst. (pellets, interclasts, fossi: rag.) limonite-stained stylolites. Sparry calcite filled vug. 119.6" 142.5" PIGEON HEAD: mottled, med.-grey-tan limy mudst. to packestone bioturbated with infill, sucrosic grey-brown plus matrix, lithographic but with pellets, interclasts and fossil fragments; infill patchy, dolomitised with rare dolomite bands; sporadic stylolites. 120.0-121.0 - green limy mudstone bands within grey limestone. Homog. grey-tan sucrosic dolomitic mudstone. 142.5" 161.5" As above but with infill more often pale green. 142.5"-149.9": series of large (interconnected?), sparry calcite filled wigs with pyrite. Lesser galena floating in the sparry calcite forming a Layer with the outside of the wig up to 1" across; locally green mudstone patches and wigs may be centrally filled by green limey mudstone; several calcite generations. 158.3-159.3": sparry calcite filled vug with pyrite and gallena in diffuse elongate clumps. 161.5" 177.9" As above but with infill limonite stained; sporadic bels of limestone conglomerate with clasts elongated subparallel to bedding and matrix packet one to wackestone with calcite generally in areas where larger numbers of shaly pertings and bioturbation minimal. Conglomerate contains pellets, clasts and interclasts and generally is med. grey in colour.

PROPERTY PORT AU PORT

HOLE NO. 2-73

FOOT	rage		되는 수를 한다고 한다면 가득하다면 하다고 있다. 이렇게 되어 살았다.		SAM	PIING		18 55	83.34	
ROM	10		DESCRIPTION OF THE PROPERTY OF	SPL NO.	FROM	то	FEET			
7.,9"	265.8"		Med. to dk. grey mottled limy mudstone to packestone; biot with infill darker, sucrosic, some pellets visible and matrix lithographic mudstone to packestone (pellets, interfossil fragments) fine grey-brown shaly partings sporadic	clasts.						
			Green limy mudstone around outside of calcite vug with pyr	ite.						
			213.7"-214.7": vein with sparry calcite and green limy m 216.7"-217.8": fine midstone partings at high angle; calc	dstone o	rosscut enter.	ting				
		000	接触 法人员证据 经付货 医二氏性多角素 医动物 医电压管 网络马克斯特人 经营工的 医皮肤	agments						

HOLE NO ... SHEET NO

PORT AU PORT

**FOOTAGE** SAMPLING DESCRIPTION FEET FROM EPL NO. FROM 10 TO Green mudstone band. Med. grey to grey tan mottled limy mudstone; bioturbated with infill limonite stained to green-grey sporadic packestone with pellets, interclasts and gastroped fragments, sporadic stylolites. Pyrite vein up to 1" across, with calcite, green limy mudstone. 274.0" 265.8" LOWER COVE : Med. to dk. grey mottled limy mudstone; bioturbated with infill darker grey-brown; more sucrosic; frequent but irregularly distributed siltstone partings; common stylolites. Pyrice with green limy mud infill, sporadically dolomitised. 353.0" 274.0 Green limy siltstone pocket within typical limy mudstone. Pyrite crystalls, sporadic in vugs. Pyrite with grey-brown siltstone; gastropod clasts and oncolites? where calcite locally surrounds globular to collaform, indicating coating sides of vugs. Pyrite here in vein with calcite, along 2 sides, again radiating. Galena with green limy mudstone Galena with sparry calcite and limy mudstone. Pyrite and calcite in veinlet !" wide.

000 - 2003

HOLE NO.

2-73 -5-SHEET NO.

PORT AU PORT PROPERTY\_

SAMPLING FOOTAGE DESCRIPTION FROM 10 FEET FROM SPL NO. Med. grey sucrosic dolomitic mudstone containing limy mudstone bands. Pyrite and calcite in fracture. Green limy mudstone vein up to 1" across cutting siltstone partings at high angle 353.0

D. D. HOLE No. 5-75

LOCATION UM Grid	5381100 M.N.
351300 N	1-E.
HOLE STARTED	
HOLE COMPLETED	

	Depth	Dip	Azimuth
-			
1			
1	** : **.		
-			

COLLAR.	LAT.	 ···				··	
	DEP.					 1.	
	LLEV.	 -			7		
	AZIMUTH			- 3 · .			
197	DIP		14.7	, ii,			
		**			44.4 1 3 3 3		
	)J		VERT	PPC			

FOC	TAGE	DESCRIPTION		SAM	PUNG	7	!		
FROM	το		52L NO.	FROM	) TO	FEET			
0.0	6.0	Overburden PORT AU PORT							
6.0	22.0	Light grey to white, limy to dolomitic mudstone; sandy to fine textured limy bands generally fine textured; dolomitic sandy textures; series of dolomitic to limy sequences (9"-3" and 4"-4" respectively in width). Generally with contacts sharply defined. Lst. commonly having wackeston	i ne						
		and pocketstone patches; dolomite often laminated with sparse limestone beds or patches; fine shaly partings throughout.							
22.0	55.0	Light to medium grey, limy to dolomitic mudstone. Dolostone generally laminated and sandy textures; may be locally vuggy (3637.0 sparsely s 22.0-25.8; green-grey mottled dolomite; dolomite also locally mottled a may contain limestone patches of wackestone and pocketstone (pellets	o) nd						
		and interclasts).  28.5-30.0: bioturbated limestone with dolomitised burrows, limestone zones commonly mottled, less prominently, but all contain some wacke-							
		stone; fine shaly partings and stylolites throughout; calcite parches up to 1" across throughout.							
55.0	60.9	Medium to light grey limy wackestone and pocketstone with some mulstone and dolomitised bands, green shale partings at 55'8"-60.0'							
50,9	78.75	White to grey, white to grey-tan limy to dolomitic mudstone; limonitic and lesser hematite stained stylolites and partings throughout, sandy textured - glauconitic clay at 77.75-78.0 and 78.6 to 78.9, intermixed							

PROPERTY

HOLE NO. 3-73 SHEET NO. -2-

FOOT	TAGE		and a	SAN	PLING				 İ
FROM	10	DESCRIPTION TO THE PROPERTY OF	SFL NO.	FR:DM	70	FEE <del>.</del>	!		
:		with calcite. Fine calcite veinlets and patches throughout. 60 9-65.5: finer grained bioturbated wacke tone patches; 65.5 - downward mostly dolomite, rest mixture of limestone and dolostone							
78.75	93.0	Medium grey limy to delomitic mudstone; delostone and limestone intimately interbedded and gradational; shaly partings and stylolites sparse throughout. Above 82 0 local pocketsione to wackestone. \$1'5"-81'7", 89'4" - glaucontitic clay with calcite. \$2'4"-92'8" - banded limestone and delostone; irregular calcite veinlets and beds up to 4" across.							
:		NHITE HILLS							
93.0	107.5"	grey to grey-tan limy madstone to mackestone-pocketstone partings throughout - almost laminated appearance especially near 97'8"-98.0 (Imparte-) 95'4"-94'8" (hematite, non-limonitic).							
.07.5''	113.0	white to grey-white limy mudstone, shally partings throughout especially near 107'8" to 108'2",111.0-113.0 - vaguely mottled							
13.0	140.0	white to grey limy mudstone grading to wackestone -pockestone(pellets, inte-clasts), fine grained, porcellaneous partings and stylolites throughout especially near 118'3"-119'2", poorly mottled -lccal bioturbation?							
L40.0	160.0	white to light grey limy mudstone, green shaly partings throughout especially near 140.0-142'3"; many calcite veins and rugs concentrated in diffuse patches- mottled bioturbated appearance.							
160.0	204.5"	White limy mudstone, tight extremely fine grained almost procella cous; pale green shaly stylolites and partings throughour, finely pelleted; locally pockestone and wackestone; local mottles-some bioturbation? commonly bands locally laminated with fine coarser layers interspersed with normal porcellaneous material resembling algal laminates, after							
		pelleted.							
							<b>.</b>		

HOLE NO. 5-73 SHEET NO. -3-

PROPERTY

ю.	OF	DESCRIPTION		SAMPLING				, ,		)	1	
	,	57L, NO.		FROM	FROM TO		FEET			<u> </u>		
		PINE TREE	F							12		
-,, (	553.0											
1.5"	352.0	Light grey, dolcantic midstone, massive, raggy coarse textured; almost totally recrystallised; local porosity partly to completely				10歳						-
		occluded by colomite crystals or sparry calcite? or white powdery.			[							i Ži
1		soft, non-effervesent material; white chert at 139'8"-139'9" and 139'11"; yugs often not interconnected; bioturbation to slightly mott-	en, a new 1 Kanada ayan	i		Í						ì
:	•	led texture. Vues may be original burrows and and and areas of greatest										
	i	vugs are not mottled; 300'9"-501'10": finer grained almost porcell- aneous. 286'8"-286'10": coarse calcite. 229'7"-230'2": limy and powde	ry									,·
	;	black giving slight reaction to In test - upper contact sharp over 1-2".						İ				
	•	· [1] [1일 - 일로 1] 보고 있는데, 이 그렇게 보고 한 빛했다						•				
				1								
	- 1	이렇다한 이 이 모든 사이에는 그 사고 등 젖은 어떻게 되었다.										
		요즘 회에는 여행하는 이 얼마를 맛있다고 하지만 되었다.										À
		도 하기 있다. 그는 이 그 사람들 아내는 기가 있는 사람들이 되고 있는 것 같아. 보는 기가 있는 것이 하는 사람들이 되고 있는 것이 되었다. 그는 사람들이 되었다.	· P								1	
i	!	어마님의 이 원인과 이렇게 어느리하고 한테 이번의 사용증정										
		이 전에 들이 많아 다른 아이를 하고싶었다는 그래 마음이를 먹었다.										
		그렇다 그 그는 그리는 사람들이 가장 그리아 있는 그리다였다.										
		이 있는 중요 나는 속으면 목하실 보고 있다. 바이지 않으면 이렇게 된										
,				•								
		BOSE					opiniko e. Najvada					, . S
		그로 그는 그리고 있다. 그들은 그리고 말을 다 하는데,	1									
1		BOOK 1986 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		- 1								
	•	H - 전기 : - [10] - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( ) - ( )						+	1			
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1					1	i. i.			•			
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ROJECT Land	CLMENT
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D. D. HOLE No. D.D.H. 1

LOCATION Lipper	Upper end Harry, S Brook										
HOLE STARTED											
HOLE COMPLETED											
CORE RECOVERY	Ful1 %										
DRILLED BY											

	SURVEY	
Depth	Dip	Azimuth
4 4		

COLLAR.	LAT	
100	DEP.	
	ELEV	
	AZ!MUTH	
	DIP.	그리지 얼룩되는 이 살아서 모든 것이다.
FNCTH		
and the second	tagati of extitution of the ex-	VERT. PROJ.
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5001	TAGE		DESCRIPTION		SAN	PLING				is Salas
FROM:	70		A STATE OF THE STA	SPL NO.	FROM	10	FEET	]		N
0.0	2.0		OVERBURDEN  PERT AC PORT UNIT							
2.0	4.5		Dolostone, upper 6" medium grey, medium grained, sucrosic vuggy, calcite lined, mainder silty, buff, with 6" haterbed of claystone.							
4.5	20.5	/@/@/	Interhedded limestone & dolostone; medium grey aphanitic mottled(light tan flakes) regular & irregular hedding marked by shale stringers (! - !") apart, stylolitesdolestone; upper fine grained, light grey stylolites,							
20.5	24.G		stromatolitic, lower coarser grained, light grey, greenish tinge calcite veins-F stained darkey interclasts Limestone, medium-dark grey, fine grained, burrowed - re-							
24.0	31.0 <sup>-</sup>		placed by coarse dark material.  Dolostone, calcic, med. grey, mottled brown, burrowed							
31.0	<b>34.5</b> -		pellets, stylolites grading into buff dolos, very fine grained calcite veins, mottling less easily detected. Limestone, med.gray, fine grained, no bedding, apparent mottled in last 2' with coarser material.							
		中宁	Dolostone, buff-medium grey, very fine grained stylolites mottled stromatolitic horizon, burrowed.							

PROPERTY LEHICL CIVENT

HOLE NO. D:D:II. 4

SHEET NO. Page -2-

FOOT	AGE		SAMPLING				
FROM	10	DESCRIPTION	SPL NO. FROM TO	PEET	 -1		
40.0	42.0	Limestone, med. grey, very fine grained, grading into thin bedding, shale Polostone, medium to light grey, very fine grained, shaly					
42.0	61.0	chertified layer (4"), mic. stromatol., burrowed upper sequence, last 6" irregular bedding. Limestone, med. grey, aphan., irregular bedding, styl. interbed of dolostone, buff with blk. mottling.					
61.0	65.0	Polostone, buff-tan, slight green staining, dark mottling, pyrite, 6" vuggy dolostone, partially calcite filled, fine grained.					
63.0	76.0	Limestone, some bcds dolomite, light grey (1' med. grey) variable bedded, bcdding marked by glauconitic shale, aphanitic, very fine grained styll ites.					• • • • • • • • • • • • • • • • • • •
76.0	87.0 -	Interbedded dolog tone and limestone, dolostone itmed. graine shaley thin interbedded vertical stylolites, medium graine limestone, dolomitic, med. grey, fine grained, same appear ance as dolostone.	d (				
.87.0	MI	WHITE HILLS UNIT Limestone, med. grey, weathers white aphanitic stylolites, abundant 6" bed of glauconitic claystone.					
		CORE MISSING.					

PROPERTY OF LEHICT CEMENT ....

HOLE NO. P.D.H. 4

FOOTA	NECCOIPTION		ING	. 1				
FROM	70	DESCRIPTION	59L. NO.	FROM	TO FEET	 	<u></u>	 
100.0	140.0	CORE MISSING						
		Limestone, medium grained, aphanitic, very fine grained int. glauc. shale towards bottom, stylolites abundant.						
140.0	160.0							
160.0	200.0-	- glauconitic CORE MISSING						
:								e e e e e e e e e e e e e e e e e e e

LITHIGH CEMENT

HOLE NO. D.D.H. 4\_\_\_\_\_SHEET NO. Page -4-

F001	TAGE	DESCRIPTION		\$	SAMPLIN	G	4			
FROM	TO	DESCRIPTION	SPL NO	D, FRO	)M	10	FEET			
160.0	200.0	CORE MISSING								
:	e process									
200.0	205.5	Limestone, light tan-grey.								
	PT	TITIE TITIETREE UNIT ZZZZ								
206.5		Dolostone, light grey, medium grained, coarser towards bottom, sucrosic, vuggy, fenestral porosity, some fossils recog, pelecypods, gastropods, calcite infilling, porosity and fractures burrowed.								
	• · · · · · · · · · · · · · · · · · · ·									The second secon

PROPERTY LIBITOU CEMENT

HOLE NO. D.D.H. 4 SHEET NO. Page -5-

FOOTAGE		Sampling	
ROM TO	DESCRIPTION	SIL NO. FROM TO FE	FEET
240.0	, /,		
<i> </i>			
17			
17			
221.0	A parameter and an investing many coursening down	<b>沙</b> 格特别 医胸膜内部骨折	
291.0.	Dolostone, as described on preceding page, coarsening down section with increase in ruggy porosity.		
	1,4		
1,	교수, 그리고 그 그를 이번 하다는 그런 이번 때문에 되었다.	电蒸放差别 机电压电池	
+/			
-/	<del>7 : ( )</del>	일반 이 사람들 방법 회에 다른다.	
7			
1/	하기 이 불렀다라는데 살아지다고요요? 나이네.		
L,	- <i>4,</i> -10-20-20-20-20-20-20-20-20-20-20-20-20-20		
1		불통 등 기계 등 기계 등 기계 되었다.	
<u> </u>	<del>기계기 보고 있다면 하는 하고 있는 사람이를 보고 있다.</del>		
7			
1			
	: : : : : : : : : : : : : : : :		
<u> </u>			
1 1/	<del>. / 그 -</del>		
B	MOTION IN THE STATE OF THE STAT		
•			
	그 사람이 하고 있는 것이다는 그렇게 하는 것을 다양하는 것이		
	그는 이렇게 되었다는 경상 어떻게 많아 불쾌했다면 하다고		
:			
	그는 그는 얼마 한국을 하지만 그는 육강하는 하다운 중심하다.		

## D. D. HOLE No. 101 5-73.

LOCATION White-Hill	.e-UTP-Grid
538050C-N	349100 ME
HOLE STARTED	
HOLE COMPLETED 0-30 6	at Allentown, Logged
CORE RECOVERY fro dr	ion Drilling.

			·	SURVEY
	Depth		Dip	Azimuth
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	AZIMUTH			ji i kurusi ndesi	
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LENGTH					
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FOC	OTAGE	DESCRIPTION	
FROM	10	SPL NO. FROM 1 70 (FEET CO. )	
0.4	42'9"	White Hills: white lithographic to percellaneous limy modeton & whicksthes, mudstone (green) stylolites and bands sporadic throughout, sprise a stylolites; locally finely laminated (algal)	
		Glauconitic mudstone and stylolites.	
		Glauconitic mudstone & stylolites with pyrite, also coarse grained sparry calcite vugs.	
4219"	521	As above but with patchy limestone stain, grey-tan colour.  PINE TREE: light grey, mottled dolomitic mudstone; vuggy with porosity partly occluded by dolomite; sparry calcite; rare stylolites	
52'	781	As above but med. grey with mottling more pronounced & increased rugs which increase in number where mottling is greatest (preferential dolomitisation?), local texture	
		iike a pseudobreccia; vugs may be hematite stained - grey pink.	
78	120'	As above but less vuggy and generally lacking hematite stain.	

FORF AU PORT

HOLE NO. 5-75 SHEET NO. 2

FOOTAGE		DESCRIPTION		SAMP	LING		t .		
FROM	10	DESCRIPTION	SPL. NO.	FRCM	10	FEET			
		777 7.7 7.7 7.7							
120' 13	38·5" 'í	medium grey mottled dolomitic mudstone; vuggy perosity							
	,0 ,	partly occluded by sparry calcite and dolomite crystals							
138'5" 15	59 ' 5''	pink bladed colestite in vug							
		/\(\triangle^{\Delta}\) White chert.  medium grey mottled dolomitic mudstone & scant vuggy porosit partly occluded by dolomite crystals, less often calcite or quartz; sucrosic, decreasing in grain size downward.  White cherty cavity infill with quartz crystals at top.	<b>'</b>						
15913" 18	S1'4''	Very coarse calcite crystals up to 1" across in vug.  Calcite, bitumen stained.  As above but with increased mottling and vugginess.							
		/ <sub>7</sub>							
181'4" 20	00'	As above but with only scant vuggy porosity  White quartz (sparry)  White chert vug infill							
20	00'								
	:								1

ROJECT	Limuui	CEMEN
I/Corci	 	

D. D. HOLE No. D.D.II. 6

LOCATION .	hite Hill:			
HOLE STARTED	Aug. 1,	1973		
HOLE COMPLETE	D Aug. 1,	1973		
CORE RECOVER	YFUL	L		<u></u> %
DOUGED BY I	nspiratio	n Drill	ing	

and have been a second or second or	SURVEY				
Depth	Depth Dip				
		1.34			

COLLAR.	AT	
	DEP	
	TEV.	
	AZIMUTH	
	DIP	_
LENGTH_	집 집에 하는 일이 되는 것이 하는 수 없다. 그 이렇게 모	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VERT. PROJ	

FOOTAGE			DESCRIPTION	SAMPLING			_		
OM :	to			SPL NO.	FROM	TO FEET	<del> </del>	<u> </u>	 
-			WHITE HILLS						
.0	14.0		Limestone, light-medium grey, aphanitic stylolites, coarsens and becomes burrowed at bottom.						
			PINETREE						
.0	25.5		Dolostone, medium grey, brown and reddish mottling medium grained, burrowes.						
5.5	68.0	1,17	Dolostone, light grey, medium grained, sucrosic, calcite filled rugs, fenestral porosity.						
	1		를 보고 있는데 하늘 보고 하는데 보고 말을 통해야 한다. 그는데 이번 전하다는 들이 경기를 받아 보고 말을 통해야 되는데 되어 되었다. 그 그 말을 보고 있다. 무슨데 많은 말을 하고 있다.						

PROPERTY LEHRT CEMENT

HOLE NO. D.D. H. 6 SHEET NO. Page -2-

FOOTAGE	DESCRIPTION		SAMPLING NO. FROM TO FEET					to the		
70m 10										
		:				:				
25.5)										
	경하다는 얼마나라 나를 다루하다 하네요. 그 사						į			71
Z, Z, A										
68.0	개요하다가 되는 이번 경우를 보고 있다고 되었다.						Ì			
	하고 그렇게 하시겠어요 나는 사람들이 모르는 나라.									
ZZZ	불통에 참고를 받았다. 함께 들어 보고 되었다.									N. N.
4, 4,	공급하다 물건 영화학자를 내려가 교육하고 있다.									1
-/-/-										
	나는 아들이 나를 살을 내려면 하는데 하다고		1				$\downarrow$			
Z_Z, 4	이번 회사를 보면 보고 있다. 병기 등록 승규를 받는 것이다.									
Вопои										]
Pollog										
	하다면 불편하다 말을 받는데 불병을 느낌하는데									
	고려를 받았는 다음을 하고 있다. 이 1985년 1일 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일 대한 1일									
					j.				1	
	- '충성'를 요하는 것이라면 얼굴 하는 것 같은 모양을 되는									1
	[28] 우리 프라마리 - III (128 - 128									
	등 그 경기, 시민국원 중심하는 경험하는 경기에 다른다.									
	되는 이렇지 않아. 바다를 깨뜨다는 말로, 그러지만									
	걸었다. 항상 사람들이 하는 그렇게 하는 말이라는					100				
					-					-
	그들은 글로그램 이글 한국 교육이 발가 그림이다.						Table.			
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30	OJE	7	-	D11 T A11	CONTRACTOR STORY	
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Page 1 of 3

# D. D. HOLE No. 7-73

LOCATION SE at Long Point UTM Gri	.d		***************************************	SURVE
5380300 MN 345600 ME		Depth	Dîp	Azimuth
HOLE STARTED August 9, 1973	-			
HOLE COMPLETED A IGUST 11, 1973.				
3adly broken in several CORE RECOVERY 100 %	. areas			
DRILLED BY Inspiration Drilling	•			

COLLAR.	LAT.	
	DEP	aaluu oo yaliga saatiinka oo oo oo oo oo oo oo oo oo oo oo oo oo
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	AZIMUTH	ordina hayan quada pargain ad hazansa'a sumahumban aphiphina na amahibban a sind min and da
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LENGTH.	* .	nambur dung lababan da boot luga an lugu dun todan as a da bentan par à foregans norto solda
HOR, PRO	٠,	VERT. PROJ.

FOOT	AGE	DESCRIPTION		SAM	PLING				
FROM	TO	DESCRIPTION	SPL. NO.	FROM	10	FEET			
0	27.8"	Port au Port:med.grey limy to dol.mudst.,var.bioturb. Limest: lithographic,commonly packstwackst.patches,styl common,rare g astrop.clasts,ht.stained,locally esp.where t oturb. Occasionally, finely lam.layers less than 2" (al Dlt: sucrosic, local ht.stained. Calcite filled fracture up to l'across w.gal.& lesser py.	signific.	. 25		•			
27.8" 29.9"	29.9" 52.9"	Green shales.  Med.grey Ht.stained dolostone.  As above but med.grey-grey pink; frequent areas of green a lst.grades to dolost. throughout, sucrosic mudst., some dlt stain circling dolomitised clasts(burrow infill?)  43-45: wavy limonite stained shaly partings in limy mudst.	.lim.	ings					
\$2.9 \$5	55 65.9"	Black shaly partings Medium-drak grey dolom.mudst, laminated. Med.grey to grey-tan limy mudst.,spradic packstwackest. pellets)patches, many lim-stained partings and stylolites	(clasts,	intercl	asts,				
65.9"	78	Medlight grey ti grey tan dol. mudst. var.laminated to ht-lim.staining, sucrosic, rare limy interbeds, frequent a	mottled( irg.(lim.	dolomit. ) inter	burrows	)			
78	91	As above but med.grey ti grey tan to grey pink; much arg.; with dlt. to give laminated, esp. from 83 to 91'.	nterbedd	ed				•	

PORT AU PORT

SAMPLING FOOTAGE DESCRIPTION FEET SPL NO. FROM FROM TO Med.grey to grey white (more locally grey tan to grey pink) 113.2" 91 dolomitic mudst., sucrosic, sporadic lim. stained stylolites. variably mottled. Limy packstone, med.grey. Med.grey limy to dolom. mudst., lim. stained green arg. partings 131.3" 113.2" and stylolites. 0 0 0 Dolomite, massive, mottled, sucrosic. Limestone: mudst., local packstones & wackestones, bioturbated to locally finely laminated. (algal?) 139.4" oolite marker: white to pink, series of beds within packestone. 131.3" Med. to dk. grey. limy to dolom. mudst., sporadic greenshale partings sucrosic with fine calcite veinlets. 142.0" 139.4" 142.0" 152.6" Galena - green mudst. - calcite in vein +ve 2n test. Lt.grey dolom.mudst., sucrosic, sparse green shale partings. Med. grey dolom. mudst., sucrosic, green shaly partings. 160.0" 152.6" Py - galena - calcite - sph. ( +ve Zn test) in vein. Lt. grey laminated dolomitic mudst.; sporadic green argillite patches. /160.0" 167.2" Med-grey limy mudst. to wackestone, lithographic calcite veins up to 1" across Green argillite partings. As above with numerous luminite stained argillite partings and stylolites giving grey-tah 167.2" 179-4" colour, very mottled, likely bioturbated. 163.5" - glauconitic argillite. Med. grey, massive limy mudst., sucrosic, only very fine green argillite partings. 192.2" 179.4" Med. grey limy mudst.. to granst. with abundant Ht-stained green argillite partings 192.2" 201.0" lending local grey-pink colour. 320.0" WHITE HILLS: 1t. grey to white limy mudst. to packest., fine Ht. or limonite stained green 201.0" shaly partings throughout and fine sparry calcite blebs numerous throughout.; local areas with fine sparry calcite bands like algal laminae; sporadic local finely laminated mudstone - a.gal?

PORT AU PORT

HOLE NO. -7-73 7 73
SHEET NO. -3- 3

FOC	TAGE			SAM	PLING					
FROM	to	DESCRIPTION	SPL NO.	FROM	10	FEET			1	
		Pyrite and galena with calcite in veins.  Medium grey limy mudstone to packestone with sparry calcite	vugs wi	th bitu	men?					
		Wavy irregular limonite stained argillite partings.  Wavy irregular limonite stained argillite.								
							·			
320.0"	350.0"	PINE TREE: Med grey sucrosic dolomit. mudst.; variable vuggy porosity, partly occluded by sparry dolomite or calcite; more likely originally biorturbated preferentially dolomitised. Stylolites and fine shaly partings. Rare limy mudstone patches and bands.	tled;							
		patches and bands.								
										: !

	HOLE	A 1		
17 17		N/ - 0		
1111	F10.31 F	1013		 
<i>U</i> . <i>U</i> .			 	 

LOCATION	White Hills	
HOLE STARTED		
HOLE COMPLETE	Đ	
CORE RECOVER	Υ1	00 %
DRILLED BY	Inspiration Drilling	

		SURVEY
Depth	Dip	Azimuth
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700T	AGE		DESCRIPTION		SAM	PUNG	÷.				
ROM	το		La Company of the Com	SPL NO.	FROM	10	FEET				
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				Ī							Sair,
:			WHITE HILLS UNIT								
.0			Limestone, light grey, aphanitic, very fine grained stylolites, calcite filled cavities, red staining along bedding plairs, glauconitic claystone interbeds.								
			stylolites, calcite filled cavities, red staining along				i		1		
į			bedding plains, glauconitic claystone interpeds.			177					
1			[대급하다 즐거리 바람이 하고는 그렇게 보이 만들어 만들어 다니 만했다.								
!			나는 그들은 그 사람들은 일반이 가는 그는 말을 하는 것이 하셨다.								
:			DM : : : : : : : : : : : : : : : : : : :								
i			har in a challenger and a challenger before a challenger.								ġ.
											Ŋ.
			♪ :: 그리스라이는 나이 전 회사 사기가 하는 하는 그렇다. ##R								
			<u>૽૽</u> ૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽૽								
;			-glauconitic claystone								À,
									7.0		27
:			# But # 1 전 : 1 전 : 1 - 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 #			1					
,		1	# Han - 하트를 맞아보는 하를 맞아 하는 것들은 것들은 제작된								
;		<del>      -   -   -   -   -   -   -   -   -</del>	🕯 이 사람들이 없는 사람들에 살아 다른 살아 있다면 나를 다 다른 사람들이 되었다.								
:	İ	1					1.				
;		+									
		1						18 %			- 1

PROPERTY LEHIGH CHEST

HOLE NO. D.D.H. 8
SHEET NO. Page -2-

FOOT	AGE			SAA	APLING				
EOM	10	DESCRIPTION	SPL. NO.	FROM	10	FEET	! 		 ! !
	64.0	Limestone, cont.							
:									
:		Liggstone delemitic light gray, very fine grained, red							
;		Limestone, dolomitic, light grey, very fine grained, red stained burrowed pellets (transition into Pine Tree).							
:		PINETREE UNIT Dolostone, medium grained, light grey, calcite filled vugs, red stained.							
									-
	. <del>-</del> :								
									Table 1

## D. D. HOLE No. D.B.B. 9

LOCATION White Hills	
HOLE STARTED Aug. 23, 1973	
HOLE COMPLETED Aug. 24, 1973	
CORE RECOVERY	100 %
DRILLED BY Inspiration Dri	11 ing

SURVEY										
Depth	Dip	Azimuth								
,		A 7 2								
in a see figure and										

COLLAR.	LAT	· .		10.7	 1
	DEP.		100	434 / 165 4	
	ELEY		1		Į.
	AZIMUTH				
	DIP.				
LENGTH					
1.12	)J				

FCO	TAGE		DESCRIPTION	e-1		SAMI	PLING					
ROM	το		DESCRIPTION		SPL NO.	FROM	TO	FEET			170	
			WHITE HILLS UNIT			<b>.</b>						
.0	56.0		Limestone light grey crystalline annanitic							1		
••			Limestone, light grey, crystalline, aphanitic, stylolites, iron stained stringers.				1, 4, 4					
										•		
	:										4.5	
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	i											
	1											
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	1											
	•	1			- 14.5 - 14.54.54	1					1 1/20	
					1.00						, i	

PROPERTY LEHICH C-VENT

HOLE NO. D.D.H. 9
SHEET NO. Page -2-

FOOTAG	35	SAMPLING					!				
FROM	10	DESCRIPTION	SPL. NO.	FROM	70	FEET			 <u> </u>		ļ
:	56.0										
;			<b>1</b>								
56.0	57.0	PINETREE UNIT (gradational contact) dolostone, light grey, iron stained.									
57.0	77.0	Limestone, dolomitic at top, light grey, medium grained burrowed, replaced by dolomite.									
· · · · · · · · · · · · · · · · · · ·											
:	( ) ( )						i,				
	:	Mell-of									
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	‡ ‡										
; <b>:</b>											
	; ;										

)	R	0	J	E	C.	T	LEHIGH CEME	NT

D. D. HOLE No. 10-73	D	D	HOI	F	No	10-73	
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LOCATION White Hills
HOLE STARTED August, 1973.
HOLE COMPLETED August, 1973
CORE RECOVERY%
DRILLED BY

·	. *	
· ^		SURVEY.
Depth	Dip	Azimuth
		·

COLLAR.	LAT.			
	DEP.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
	ELEV.			
	AZIMUTH	-	*******	
	DIP.	*	••••	
LENGTH	**************	**************		*********************
HOR. PRO	J	VERT. PROJ		*** ***********

FOOTAGE		DESCRIPTION		SAMPLING					T		
- FROM	то	DESCRIPTION	SPL. NO.	SPL. NO. FROM TO		FEET					
0	2	OVERBURDEN									
.2 7	7 21	Port au Port: grey - pink dol. mudstone, mottled with hem. limestone stain, calcite vug infill. Interbedded med. grey, limy to dolomitic mudstone. limestone: mudstone to wackestone, lithographic to sucros dolomite: grey to grey-tan, hematite and limestone staine -fine grey argillite partings and stylolites & calcite vu	ic , biot	d, small	with i	nfill co porosity	arser &	darker led by	colour	stals.	\
21 26	26 39	Med. grey-tan dol. mustone, laminated by limonite stained Medium grey limy mudstone to packestone, green arg. partistylolites, veins with tr. of pyrite.	bands.								
39 46.3''	46.3" 61.8"	Med. grey(tan) limy mudstone to packstone, many limon.stapartings & stylolites, wavy bedding; also sporadic Ht.stain with sparry calcite resembling algal laminites.  Med.grey-grey pink limy mudstone to packstone with abundance Some Ht.stained and stylolites, veinlets.	s & loca	areas		ings.				•	
61.8'' 66.8'' 71.7''	71.7"	As above, but argillite partings Ht stained, closer space leading to grey-pink color.  Med. grey limy mudstone to wackestone; last 1" interval a White hills: white-1.grey limy mudstone to packstone; fix argillite partings; locally layered sparry calcite to alga-	bundant, e green	fine wa	vy gree hed)	n argill	İ	1			

PORT AU PORT

-2-SHEET NO.

FOO	FOOTAGE DESCRIPTION			SAM	PLING				
FROM	10	DESCRIPTION	SPL NO.	FROM	TO	FEET	1		
		Green argillite patch with galena and calcite parallel to core length.							
		Limonite stained shaly partings and mottles.			. :				
	1.	Pyrite	•		. :				
		Pyrite plus green shale on stylolite surface.  Dark green to red argillite with limy mudstone; interbedded some pyrite.			·				
181	222	Green argillite at nearly parallel core length.  Pyrite							
		Pine Tree: med.grey mottled dol. mudstone; scant vuggy por partly occluded by dlt.crystals; sparry ct (completely); py often in crystals in vugs - some og highly mottled areas 1 mudstone to packstone. Pref. dolom. likely. Pyrite suppor by general bioturbated nature.	imy						
		Py - Ga - Ct in vug Py - Ga - Ct in vug Py - Ga - Ct in vug		·					
		Ct -pseudomorphic often halite(?), cubic mosaic, very fine fracture.	along						•

ROJE	CT	PORT	AU	PC

### D. D. HOLE No. 11.73

\_\_\_SURVEY

LOCATION JIM Grid 5383	900 <u>Va</u> 100 ME	و بسامه مستعل					
				Dept	'n	Di	p
HOLE STARTED						10.5	
HOLE COMPLETED			1				
CORE RECOVERY—very bad	ly broken	essiy shatt	ered				$\dashv$
DRILLED BY							

COLLAR.	,LAT	 			 , gir
	DEP		<u> </u>		
	ELEY				
	AZIMUTH.			57 .	
	DIP				
LENGTH_					
		 VERT. 1	PROJ		<i>)</i>

FOO	TAGE	DESCRIPTION		SAM	PLING				
.scm	10		SPL NO.	FROM	70	FLET	 		
0.0	8.0	Overburden HUNBER ARI							
8.0	119.0	Light grey shales to limy shales, rare limy madstone interbeds: 91'1"-5", 105'5"-12", 106'7"-107'7".							
		TABLE HEAD							
119.0	147.0	Dark grey limy mudstone to pochestones, grainstone, 244'1"-4", hioturbated near 147.0, glaucanitic shale layer, fine grey-brown shaly partings throughout.							
	manufacture of the first properties of the first prope								

D. D. HOLE No. 12-73

LOCATION Victor Brook
WTM Grid 5384500 MN, 350100 ME
HOLE STARTED September 5, 1973
HOLE COMPLETED September 5, 1973 0-25' badly broken up
CORE RECOVERY 20-40 Allentown 100 %
ORMED By Inspiration Drilling

		SURVEY
Depth	Dip	Azimuth
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COLLAR.	LAT.				
	DEP.	45.7		en en en en en en en en en en en en en e	
	ELEV.				
	DIP.				
LENGTH					
	)}	VER	F PROT		

FOOTAGE	Programmes and the second seco		Samplin	٧G	!			
FROM TO	DESCRIPTION	SPL. NO.	FROM	10 j	FEET	1,44		
0' 10'	OVERBURDEN				9.4			
10' 20'	HUMBER ARM; grey - brown to grey argillite, baily broken	up.						
20' 40'	sampled							
40' 42.5'	Dk. grey argillite, badly broken up.							
42'5" 52'6" = 1	Dri. grey argillite, less broken up, many white to grey somewhat rounded leny clasts.  rubbly fracture surface, complete size gradation from mat	rāx up t	c 1½"					
	Ex inclast							
	Table Head dkgrey. limy mudstone: 55-60': fine argillite partings & infill  Bx-like texture unusual burrow infill?) prod. mottling.							
:								

# D. D. HOLE No. 13-73

LOCATION White Hi	lls - UTN Grid
5379200	MN, 344600 ML
HOLE STARTED August	16, 1973.
HOLE COMPLETED August	21, 1973.
CORE RECOVERY	100 %
Tuaniust	ion Drilling

	SURVEY
Dìp	Azimuth
	À
	Dip

COLLAR.	LAT		 	
	DEP		 	
	ELEV.	····	 M	
	AZIMUTH	**********	 ************	
		**********		
LENGTH.				
		VERT		

FOOTLOE			SAMPLING						
FOOT	AGE	DESCRIPTION	SPL NO.	FROM	TO	FEET	 ! !	 	
FROM	10	The state of the s					2		
0'	7'	overburden							
7'	23'	PORT AU PORT cycle: gry tan to gry pink dolomitic (rarely limy) mudst; finely sucrosic; locally laminated packstone:							
	: ;	2 mottled; goes to lt. gry limy mudst to packstone; bioturbated, sporadic stylolites & fine arg. prings. son lim. stained.	1						
23'	37'10"	lim. stained.  Cycle: as above but freq. finely laminated alternating & pink stromatolitic (?) with indications of gas escal channels (?) at angle to core length.	e e						
37'10"	63'	Cycle: grey tan dolomitic mudst. fnly. sucrosic; geos lt.to med. gry. limy mudst. to grainstone; var. bioturb lnfill coarser & darker, - grainstones - v. well-sorted packstones- poorly so.	· iro ra	m.			-		
						! !			
63'	77'	lt. gray to gray pink dolomitic mudst. finely to coarse sucrosic; laminated to bioturbated w. fossil frag. & sparry at infill.	Ly						

PRO	JECT	PORT	ΑU	POS

## D. D. HOLE No. 15-73

LOCATION UN 5385300	M	
350700	ME .	
HOLE STARTED.		
HOLE COMPLETED		٠,
CORE RECOVERY	100 %	
DRILLED 6Y		

			<del></del>	SURVEY
De	spth	Dip		Azimuth
	7.1			
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COLLAR.	LAT.	···		1,1	
	DEP				
	SLEV.				
	AZIMUTH	4.5			
	DIP.				
LENGTH_					
	)]		VERT. PROJ.		

FO:0	TAGE	DESCRIPTION		SAM	PUNG				
FROM	. 10		SPL NO.	FROM	1 10	FEET			
0.0	4.0	OVERBURDEN TABLE HEAD							
4.0	175.5	Dark to med. grey limy wackstone and pockestone to mudstone first two especially in lighter coloured areas (pellets, bysics, gastropods?, crinoids, rextd bysics pellet infilled shells, clasts, interclasts) bioturbated, infill again coarse grained and darker in colour; fine grained, brown stylolites and shaly partings interspersed throughout, irregularly producing variable mottling; 60-140' - rare 20-60'-many, above 10.5' many limonite stained partings give yellow brown colour, white to pale green calcareous clay. 114'5"-114'9"; 152'2"-152'10"; 153'6"-153'11"; 155'10"-136'4"; calcite filled vugs less than l' across, sproradic throughout, pyrite plus calcium plus shale plus calcite: 93'2"-93'8", 95'5"; 55'6"-56'1", 59'6"-59'9" in veins up to l' across.							
175.5	197.0	PORT AU PORT  Light grey dolomitic mudstone, homogeneous massive to mottles bioturbated to laminates with green shale bands throughout, fine green shaly partings, white to grey pelleted chert, 190'2"-190'4"; 190'7"-190'9", 189'6"-190'; 185'3"-185'9"; 179'8"-180'.							

Port an Port

HOLE NO. 15-73 SHEET NO. -2-

FOC	TAGE	DESCRIPTION	1	SAM	FLING	4		1	
RSA	70	DESCRIPTION	SPL. NO.	SPL NO. FROM TO		HET			
197.0	220.0	Grey to grey-brown dolomitic mudstone, bioturbated with different dolomite generations infilling burrows; stylolites often highly arregular, sparse throughout as they are sparry calcite up to 3" across, pyrite at 219'5", 219'7".							
220.0	350.0	Light to medium grey, limy to dolomitic mudstone, dolomite:massive to finely laminated to bioturbated; generally almost sandy textures, darkens in colour upwards to 240', laminated: 315'2"-514'; 512'10"-514'6", 215'-252'; 342'2"-545'8", 257'2"-258'. Some with green shale bands, sparry calcite bands, then limestone beds, layers of biotite.  Mottled dolomite:282'5"-315'4", 244'9"-246'5".							
•	-	Limestone: light brownish grey to grey mudstone to Wackestone-pocket-stone (pellets oolites, b. values) locally almost lithographic, bioturbated with infill again, fine grey-brown to green shaly partings especially mear 266'4"-267'6", 276'8", 269'6"-270', 305'2"-305'3", 306'3"-307'4", 315'5"-315'7", 317'2"-317'8", 326'6". Bitumen in stylolites: 295'5", 280'9" concentrically banded circular structure - stromatolites? Calcite, brown coarse grained: 296'4", 296', pyrite \$\instructure\$ is \$\frac{1}{2}\sin^2 \frac{1}{2}\sin^2 1							
	And a section of the	Limestone-dolostone contact: sharp texturally but generally gradational المسابد المسا							

#### D. D. HOLE No. P.P.P. 16

LOCATION South of Brinex Telegraph	
Tracts Boundary	
HOLE STARTED Sept. 15, 1973	
HOLE COMPLETED Sept. 17, 1975	
CORE RECOVERY Full	%
DRILLED BY Inspiration Drilling	

	s. Ogramini krajajina Si	SURVEY
Depth	Dip	Azimuth
		grading to the second s
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COLLAR.	LAT.	 			
	DEP				
	ELEV				
	DIP.				
LENGTH.					
HOR, PRO	)J	 VERT.	PROJ		

FOOTAGE	DESCRIPTION		SAM	PUNG				 	
FROM TO	DESCRIPTION	SPL NO.	FROM	FROM TO				1	<u>:</u>
0.0. 3.0	OVERBURDEN								
3.0 ; 27.0	PICEON HEAD								
	Limestone, dark grey, aphanitic, burrowed, filled with silt/clay or coarser material, Fe staining along veinlets which are usually darker than matrix.								
27.0 34.0	Limestone as above but infilling of burrows (?) is brown stand greenish-grey calcite veins (2" thick).	iIt				A = 3.			
54.0 62.0	Limestone as described in first occurrence.								a Nasa Ang
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PROPERTY LINE COAST

HOLE NO. D.P.H. 16

SHEET NO. Page -2-

FOOTAGE		DECCHARION		SAME	PLING				:		
FROM	10	DESCRIPTION	SPL NO.	FROM.	10	FEL*	!	<u> </u>			· 
54.0	62.0										4.7
	:										
	•										
		See preceding page.									
	*					1. 6 × 1. 1	//				
	•										
			il.								4.4
62.0	65.0	Claystone, red-tan, calcite veins and interclasts.									
02.0	03.0	Claystone, rea-tan, carcite terms and intercrasts.							A second		
								1 19.			
63.0	78.0	Limestone, dark grey, very fine grained, petiets and									ers As T
		Limestone, dark grey, very fine grained, petiets and interclasts floating (bio(pel)micrite) in fine matrix irregular veinlets (Burrowed ?).								30	
		Tregular vehices (i.i. rokes 1).									
											***
70.0	92.0	Limestone, dark grey-brown, aphanitic, silty, mottled			1		1	1		4 9	
78.0	92.0	irregular shale partings ( intersect).						1 - 2,		3	
	1										
						,					
	1 - 2					é					
	1										
											i
92.0	122.0	Limestone, medium gray with mottled brown dilty veinlets (1/8 to 1" thick), very fine grained, silty, red staining.									
						,					1
		그리다 가는 본이 많이 사람들은 하는 사물이 그리 않는데 그렇게 되었다.									

HOLE NO. D.D.H. 16
SHEET NO. Page -3-

FOOT	\GE			SAM	SAMPLING		1.2	!	1	1,11
FROM	10	DESCRIPTION	SPL. NO.	FROM	10	FEET				
92.0	122.0									
122.0	125.0	Limestone, Medium-dark grey, coarse grained (grainstone)								
		abundant pellets, highly burrowed.		ink, i <del>t</del> ti i Kasas						
123.0	15/.0	Limestone, dark grey, aplanitic-silty, mottled, darker gray on weathered surface (Burrows) veinlets (1 to1" thick)								
137.0	142.0	Limestone, dark grey, aphanitic, stylolites to shale stringers, irregular (10 to 21 apart).								
142.0	155.0	Limestone, silty, very fine grained, dark grey, brown vein- lets, some coarser beds.								
155.0		Limestone, silty, dark gray with veinlets, irregular paralle lenses of coarse grainstone, 60inch bed of brown claystone.	1							
		Coarse Lens								
		Claystone Coarse Lens								1

PROPERTY LEHICH CERNIC

HOLE NO. D.D.II. 16 SHEET NO. Page -4-

FOOT	TAGE	DESCRIPTION		s	AMPLI	NG		1	 !	-		
FROM .	70	DESCRIPTION	SPL NO	. FRO.	M	10	PEET	-  -				
	192,0	Coarse Lenses Coarse Lenses Coarse Lenses										
193.0	211.0	Limestone, medium grey, light grey mottled with purple stain, fine grained with coarse interbeds, even hedding (distinguishing from rest) 6" of brown calc. siltstone towards bottom.										
;												
211.0	221.	Limestone, dark grey, aphanitic-silty, irregular veinlets, darker grey, coarser lenses.										
221.0	227.0	Limestone, and interbedded shale, variagated grey, gr.gry, purple-brown, fine grained, silty.		en en en en en en en en en en en en en e								
227.0	231.0	Limestone, light grey-tan, irregular bedding.						The second secon				
231.0	257.0	Lower cove Limestone, fine to medium grained, burrowed, both sc. stringers mark bedding, iron staining.			The second section of the second							
	Ų.											

FOO	TAGE	B. B. A. D. U T		SA	SAMPLING							
FROM	10	DESCRIPTION	SPL. NO.	FROM	***	10	FEET					
251.0	277.5	Limestone, medium -dark grey, fine to medium grained, mottled brown, from stained, interhedded delestone, fine grained pelecypods.			*			To the control of the			A TOTAL CONTRACTOR OF THE PARTY	
		(gradation centact to lower core)										
										•		
					1			-	-			
								A COMMISSION OF THE COMMISSION		The state of the s		
277.5	285.0	Interbedded dolostone and limestone-dolostone, fine grained light grey calcite veins-limestone; silty, dark grey,				1						
285.0	295.0	regular sh. layers, dolestone, medium, mottled tan, medium grained calcite veins, burrowed, filled in by clay clay-stone; tan, calcite veins, fossil fragments.										
205 6	700.0											
295.0	300.0				i							
300.0	325.0	Limestone, very fine grained, medium grey, burrowed with coarse lenses, iron staining fossil fragments.										
											and the state of t	
					3		The state of the s			The second secon		

PROPERTY LIBIOR CENENT

HOLE NO. Page -6-

SAMPLING FOOTAGE DESCRIPTION FROM SPL NO. FROM FEET to Dolostone, medium grey, fine grained, regular bedded, interbeds of well burrowed silty limestone, chart layer. 325.0 340.0 BOTTON

SCA	NN	ED	IMA	G

PRO	IFC.	L THREE	CEMO

# D. D. HOLE No. 17

LOCATION Sour	h of Reid ——boundar	telegraph y	tracts
HOLE STARTED	Sept. 19,	1975	
HOLE COMPLETED	Sept. 20,	19-3	
CORE RECOVERY_			%
DRILLED BY.	nspiration	Drilling	

		SURVEY
Depth	Dip	Azimuth
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	ELEV			
	AZIMUTH			
	DIP.			
LENGTH				
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FOOT	AGE		SAMPLING ESCRIPTION SPL NO. FROM TO FEET						
FROM	10	DESCRIPTION			70	FEET	1		
	,								
0.0	0.4	OVERBURDIN PIGEON HEAD UNIT							
4.0	18.0	Limestone, dark grey, fine grained, irregular shale stringe some burrowing.	rs						
18.0	30.5	Limestone, medium grey, fine grained with veinlets of yello brown siltstone (burrows).							
30.5	69.0	Limestone, dark grey; Fine grained with yeinlets of darker	sand						
		Limestone, dark grey, fine grained with veinlets of darker (burrows) grades into very fine grained limestone with shaly bands.							

PROPERTY LITTLE CENTERY

HOLE NO. 11.0.11. 17

SHEET NO. Page -2-

FOOTAGE		DESCRIPTION			SAMP	LING		İ			1	
FROM	10	DESCRIPTION		SPL. NO.	FROM	to	FEET		1		!	
	69.0											
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				files in								
			사람들이 얼마를 받는데 없다.									5 74
	_											
69.0	110.5	Limestone, dark grey, shaly, fine interbeds of coarse calc. grainst	grained with wavy hands									
	:											
						N.						<b>3</b> 4
	:			i i								
	1		경영 이 기업에 기업하는 보고 있다. (1996년 - 1997년) 경영 (1997년 - 1997년								3	
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				attatus Kangara				(	Ì			
				- 174 j			•			100	1000	

PROPERTY LEHGH CIMEN.

HOLE NO. Page -3-

FOOTAGE		DESCRIPTION		SAM	PLING					
FLOM	10		SPL NO.	FROM	10	FEET				
111.5	112.0	+ Claystone, yellow-brown, grides back into linestone.								
112.0	120.0	Limestone, medium to dark grey, fine grained irregular wave shale bands.							İ	
	- -									
120.0	125.0	Limestone, dark grey, shaly.								
	-						<i>II.</i>			
125.0	129.0	Limestone, light grey, very fine grained, wavy shaly stringers.								
129.0	144.5	Limestone, dark grey, fine-medium grained, irregular vein- lets, lenses of grainstone, burrowing throughout.								
144.5	145.5	Claystone, tan with parple stain.								
145.5	180.0	Limestone, as above with shaly intervals.								
	, 1964 1964									
	·.									
		그는 생님은 그는 그들은 사람들은 사람들이 되었다. 그는 사람들이 되었다면 하는 사람들이 되었다면 하는데 없다면 되었다.	· 6 - 1 - 1 - 1 - 1		5.30 (50)			49 <sup>1</sup> 116		

PROPERTY LEHICH CENENT

HOLE NO. D.D.H. 17
SHEET NO. Page -4-

**FOOTAGE** SAMPLING DESCRIPTSON FROAL 10 FEET SPL. NO. MCRT 180.0 186.0 Limestone, silty, very fine grained, stylelites, wavy shale stringers (1 inch). Lower Cove UNIT lolostone, medium grey, variagate, yellow-brown-grey (reddish) and buff, vagy towards bottom, filled with crystalline dolomite, becoming argillaceous in lower 5 ft. 204.0 186.0 Silty, argillaceous (tan). Limestone, aphanitic, very fine grained, light to medium grey, shaley stringers with 6" bed of argillaceous 204.0 222.0 Dolostone, light grey, with 1" shale veins, fire grained. 222.0 226.0 Limestone, aphanitic, dark grey, shale stringers. 226.0 233.0 235.0 237.0 Dolostone, light grey, fine grained with calcite veins 1" of white chert. 257.0 238.5 Limestone, dark grey, silty, fine grained interclasts Dolostone, light grey-tan, silty, very fine grained chert banded brown, calcite veins. 238.5 257.5

PROPERTY LIMIT CIMENT

HOLF NO. D.D.II. 17
SHEET NO. Page -5-

FOOTAGE			SAM	PLING				
FROM TO	PERCEIPTION	SPL. NO.	FROM	10	FEET	 	i'	
257.5 272.0	Limestone, dark grey, dolomitic, very fine grained burrow-ed chert, burrows filled with coarser material.							
272.0 284.0 295.5	Interbedded dolostone and dolomite limestone - dolostone, to buff, fine grained, burrowed calcite filled vugs.  Limestone - dark grey, dol., silty shale stringers.  Dolostone, tan-buff, fine grained, isolated burrows, calcit veins, stylolites, brown bands.							
293.5 550.0	// / Petroliferous shale  // / Petroliferous shale  // / Interbedded dolostone and limestone, dolostone - fine grained, light grey, even black bands, calcite vugs.  // / Limestone - dolomitic, dark grey, shaly, burrowed, silty, very fine grained with lenses of coarser sand.							
	(504.0-505.0 - slightly petroliferous shale).							

PERTY LIHICH CIMINT

HOLE NO. D.D.H. 1

SHEET NO. Page -6

FOOTAGE		SAMPLING	
FROM 10	DESCRIPTION	SPL NO. TROM TO TEET	
350.0	Described on preceeding page.		
/   1   1   1   1   1   1   1   1   1   1			
	프로그 : 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		

PROJECT_	LF	NIGH CEMENT	) 	 

Page 1 of 3

		LA		Ma 10 77	
v.	v.		LE	No. 18-73	

LOCATION	UTM	Grid	53783	OOMN		;t
HOLE STARTED	· >					
HOLE COMPLE	TED		<del></del>			
CORE RECOV	ERY	*******	100	<del></del>	%	
DRILLED BY		Enspir	ation			

	************	SUF
Depth	Dip	Azimutl

COLLAR.	LAT.	las us disabetes de efficie un exerciso. Actual de la signa en enclair de l'Alleira en la réplication d'Alleir
	DEP.	
	ELEV.	iga assaphnika un film -m Kapa di rapa ka guiddun A vasa a amak apak 116 o tahihanyin wadiindii 166 villodda
	AZIMUTH	igaalduudu kii ka ku ka fii dagaa ka ka waxa waxa dagaa ka ka wa ka ka ka ka ka ka ka ka ka ka ka ka ka
	DIP.	
LENGTH		a dagagading albuda barra aggi mu daga kanda mu u na hayya ya a ka dada da barra ya a samuur o daraha da da da
HOR. PRO	OJ	VERT. PROJ.

FOO	TAGE	DECCRIPTION	SAMPLING			1			
FROM	10	DESCRIPTION	SPL. NO.	FROM	TO	FEET			
0'	6'	OVERBURDEN							
6'	10'	PIGEON HEAD: dark gr. limy mudstone to packstone; biotub	ated						
10'	18'	U. infill darker, sucrosic; fine lim. stained argillite partings. grading into dark grey bioturbated limy mudsto	ne to	-					
18	30.6"	packstone; grey-brown argillite partings. abundant locall Cycle as above	γ.						
30.6"	38.4"	Lower Cove Transitional: cycle med.grey to dk.gr.pink,l to dol. mudstone, sucrosic, locally laminated w.limon.&ht.	imy stained						
		limy argillite layers. Going to med.grey limy mudst. to p bioturbated w. coarser & darker infill. Local ht. stained	acks.		<b>\$.</b>			-	
38.4"	60	cycle: med.grey to grey pink dolomit., rarely limy mudst.	ylolite	s					
		throughout, elsewhere mottled; goes to med.grey bioturb. I wakest. w. ht. stained partings and stylolites.	imy mud	st. to					
60	74.3"	Lower Cove: cycle: med.grey to dol.mudst, sucrosic, ht.s mottled, ht.stylolites, goes to meddk.grey limy mudst.	dained,						
		to wakest.; bioturb.infill coarser and darker. Chert in bands & nodules (sometimes pelleted).	laminat	ed					
74.3"	92.3"	Cycle: med.grey dolom. mudst., sucrosic, commonly mottle partings and local laminations. Going to med.grey, limy	d, lim.	& ht., s	tylolite	s,			
	}	bioturbated w. infill darker and coarser, sometimes lim	. staine	d abund	ant gre	Ŋ			
		argillite partings - local wavy bands.  Ht. stained fracture cut dolom. mudst.							

HOLE NO. 18-73

PROPERTY\_\_PORT\_ALL PORT\_

SHEET NO. -2-

FOO	TAGE	DESCRIPTION	Ī	\$A/	MPLING	·			1	
FROM	TO	DESCRIPTION	SPL NO.	FROM	TO	FEET	1			
92.3"	99.10"	cycle as above but dol. mudst grey-tan & non-mottled.								
99.10"	128	cycle: med.grey-tan dolo. mudst., sucrosic; goes to med. greet to packst. var. bioturb., abundant lim.stained argillite	y mudst							
		partings to local wavy banding. 110-113'L infill- limy impure silt, non-lithified. heterog, fragments.						·		
		Pyrite as vug infill in packst .								
128	144	/// cycle:grey tan-med. grey dol. mudst.: laminated & mottled, s	ucrosio							
	. •	ht. and lim. stained, dark grey limy mudstone to packst., abundant fine grey-brown argillite, wavy banding, but also bioturbated.	uc10310							
144	164	cycle: dol. grey-med. grey, rest as above, some lim. stained partings. Lst. lcoally laminated without bioturbation.	. 1			· .				
164	193	cycle: grey-tan-white very fine rgained laminated, do. mudst sucrosic, local pellets preserved, goes to med.grey limy mudstone-wackest., var. bioturb., fragments lim. stained, argillite partings-wavy banded nature, many pellets, intercletc. lim.stained.								
. '		Layer with limy sand fragments up to 8", angular, red-brown.								
193	234.4"	cycle: 1-med.grey, dolomit.mudst,,well laminated grades to dk.grey limy mudst.to packst. var. bioturb. (mottled) to laminated (like dolom.) abund. grey-brown arg. partings - local wavy banding, local green arg.infill (across bands) sporadic stylolites.								
		Grainstone: clasts, pellets, interclasts, fossil frgaments-					•			
	•	STorm Layer.								

HOLE NO. 18-73

PROPERTY PORT AU PORT

SHEET NO. -3-

FOC	TAGE	DESCRIPTION		SAM	PLING				
FROM	10	DESCRIPTION	SPL. NO.	FROM	70	FEET			
234.4"		cycle: 1.grey dolomitic to rarely limy mudst., sucrosic, local lim.stain, goes to med.grey limy mudst. to packst., abundant argillite partings w.local lim.stain - local wavy bands and large infill areas. Qt.in vug. surrounding calci	te.	turb,					
247	270.5"	cycle: med.grey limy mudst., mass; goes to med.grey to grey tan limy mudst.to packst., var, bioturb.; infill lim. stain Abundant fine calcite veinlets -pseudobreccia.	ed.						
270.5"	287.6"	Grainstone: clasts, interclasts, pellets & fossil debris, often lim.stained or rimmed.  Storm Layer.							
287.6"	298	Cycle: red or limy mudst.; massice goes to med.grey limy muto wackest., var.bioturb; infill lim.stained, to locally lam Blue to grey chert.  Red-brown chert.	dst. inated.						
298	316.4"	Cycle: light grey dol.mudst. massive, sucrosic goes to med light grey limy mudst. Ograinstone, abundant green arg. par var.bioturb.	tings,						
316.4"	332.4"	Cycle: as above but 1st more abundant. Ht.stained argillit partings, inc. a number of grainstones.							
332.4"	350	Light grey to grey pink to med. grey dolom.mudst.,massive, sucrosic, -sporadic Ht.stained fractures, locally laminate	d						
								•	
		Pelleted Chert.						**************************************	
				-				***************************************	

S	C	Α	N	Ν	Ε	D	IM	Α	GE

ΣŞ	0	JE(	_T_	 1,1311	(H	CEM	FNT	_

D. D. HOLE No. 19

LOCATION North of road bet	tween Sheaves
Cove and Lower Co	
HOLE STARTED Oct. 2, 1975	
POLE COMPLETED (Ct. 4, 1973	
CORE RECOVERY	100 %
DONIER EV Inspiration Dril	line

SURVEY									
Depth	Dip	Azimuth							

COLLAR.	LAT.						 
	DEP.		3 .				
	a.ev						- 75
	AZIMUTH	17.					
	DIP					7.5	
LENGTH							
HOR, PRO	J			VERT.	PROJ.		

FOC	TAGE		DESCRIPTION		SAN	FLING				
FROM	70			SPL NO.	FROM	, to	FEET			
0.0.	6.0		OVERBURDEN							
6.0	20.0		* Dolostone, argillaceous, buff-tan calcite veins.  LOWER COVE  Limestone, medium-dark grey, fine to coarse grained, burrowed calcite veins (pink and white).							
20.0	29.0		Limestone, dark grey, silty, very fine grained, brown sha partings.	le						
29.0	33.0	1/-/	Dolostone, buff to pink, fine grained.		· 1				1	
33.0	39.5		Limestone, dark grey, very fine grained, mottled red, tan very burrowed.							
39.5	:		[이프리즘이 : 100개에 돌아되어 그렇게 이트로 했다. [편] 그 : 1					7		

PROPERTY LINE COUNT

HOLE NO. 11.11.1

SHEET NO. Page -2

SAMPLING FCOTAGE DESCRIPTION FEET FROM SPL NO. FROM. 52.0 Doiostone, calcic, pink, fine grained, calcite filled fractures. Limestone, medium-dark grey, fine grained, burrowed, replaced by lighter coloured material, pellots, 2 cross cutting calcite veins, red staining. 52.0 100.0 Dolostone, tan-pinkish, silty; cross sutting the calcite veins. 100.0 102.0 Limestone, as described above, many more calcite veins, interclasts. 102.0 127.0

PROPERTY LEHICH CEMENT

HOLE NO. D.D.H. 19 11 SHEET NO. Page -5-

FOOTAGE	DESCRIPTION	SAMPL	ING		e e e e e e e e e e e e e e e e e e e
FROM TO	DESCRIPTION	SPL NO. FROM	10 FEST		
127.0					
į	고 <mark>뭐라다. 부</mark> 가 있는데 있었다고 그런 그램 그램 다양한다. 맛있다고 말하고 있다.				
	- becoming light grey.				
•	<u> </u>			,	
27.0 147.0	Limestone, dolomitic, medium-dark grey, fine grained, burr-				
*	Limestone, dolomitic, wedium-dark grey, fine grained, burr- owed crosscutting calcite veins, interhedded claystone, green, yellow, purple, brown.				
	green, yeraos, purpec, promit				
				1	
1 1					
147.0 . 182.5	Limestone, light to medium grey, aphanitic, silv, intervals of pink argillaceous dolosotne, calcite veins.				
	of pink argillaceous dolosotne, calcite veins.				
	기 <mark>급 보다 보</mark> 기는 전 경험을 받았다. 그 등록 함께 있는 그 그 모든 경험 등록 하다.				
	<u> - [ - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</u>				
	계 <del>기 보급적</del> 하는 수 있는 중심 사람들은 사람들은 사람들이 있다.				
				$\int_{\mathbb{R}^{n}} dx dx$	
	그 선생님 사람들이 원래와 있다는 휴민들이 대한 수는 가능한 기회에 된다.				

v manch cenant

HOLE NO. D.D.H. 19
SHEET NO. Page -4-

F00°	TAGE			SAME	UNG		i	!	1	<del></del>
FOO	10	DESCRIPTION	SPL NO.	FROM	70	FEET	:			
	183.5									
182.5	225.5	Interbodd limestone vi dolostone -								Nagara Sa
		Limestone: medium to k grey, with red shale stringers very fine to redium grained, laminations (isolated may be strons) common calcite veins, glauconitic.								
		Dolostone: pinkish grey-light grey, mottled, yellow calcite veins, fine grained.								
182.5	252.0	Dolostone, light grey with pink mottling, argillaceous to very fine grained veins, partially filled by bladed calcite.								
		44								

D	D		; C	CT	LEHGI	CEMEN
~	ж	` '	11	<b>L</b> . i		

D. D. HOLE No. 20

LOCATION Southeast of Victor Brook				COLLAR, LAT,	
TO CATION THE PARTY OF THE PART			SURVEY		
Headwaters.	Depth	Dip	Azimuth	DEP.	
HOLE STARTED Cct. 15, 1973			y .	EEV.	
				AZIMUTH	
HOLE COMPLETED OCT. 17, 1973.		e value factoria		Dip	
CORE RECOVERY 100 %				LENGTH	
DRILLED BY Inspiration Drilling				HOR. PROJ.	VERT. PROJ
			and the second second second		

FOOTAGE	i;	DESCRIPTION		SAN	IPLING			
FROM :	10		SPL NO.	FROM	TO FEET			10 2
0.0, 5	5.0	OVERBRUDEN						
!		Limestone, medium grey, aphantic, stylolites, abundant dark shale stringers, isolated calcite veins.						
5.0 37	7.0							
•								
37.0 40	0.5	Limestone, dark grey, very fine grained, shale stringers b (2") layer lying on contact with calcite cement and clay in	ntillin	Ś	<b>并</b> 行或 <b>上</b> 。		137-44	1.5

LEHIGI CEMENT

HOLE NO. D.D.H. 20 SHEET NO. Page -2-

FOO	TAGE			SAMPL	ing				a	
FROM	10	DESCRIPTION	SPL NO.	FROM	10	PEET	That!	Zni		
37.0 40.5	40.5 41.0	Sharp angular (in core) contact (disconformity)								
41.0	51.0	Shale, green-grey, poorly consolidated.								
	: <del>-</del>	Dolostone, light-medium grey, very fine grained, interbedded grey shale, laminated horizons (stromatolite) isolated calcite veins, yellow staining, chert layer.								
51.0	71.0	Dolostone, medium grey, fine grained, vuggy perosity, sometimes calcite filled, mottled stylolites, clay layers galena (61'8")								100 mg
-: o	-	/// Indestone light gray slightly calcie your fine grained								
71.0	100.5	Dolostone, light grey, slightly calcic, very fine grained, interbedded glauconitic shale, voids filled with calcite limy clay and galena, also traces of sphalerite, pyrite sometimes occurs with galena.		150	I/C	10	•005	-03		
	-									
100.5	108.5	Dolostone, medium grey, irregular bedding, stromatolitic horizons, aphanitic, silty, burrowing, thin bedied // healcite veins.			1					
108.5	125.0				li.					

HOLE NO. D.D.H. 20 SHEET NO. Page -3-

PROPERTY LIMIT CIMENT

FOC	OTAGE		SA	MPLING /		14.0			
FRCM	10	DESCRIPTION SPI. N	O. FROM	70	FEET	1/2 /6	2 Z.		±
108.5	125.0	Dolostone, light to medium grey, aphanitic, thin bedded (regular and irregular) crosshedding, burrowed rugs and cavities calcite filled with galena common.	110	120	10	1.53	c.55		
125.0	137.0	Limestone, medium grey, very fine grained, burrowed, thin bedded, collapse breccia zone (131.0-135.0) galena, and traces of sphalerite, partings at shaly layers.	126	iso.	16	4.00			
157.0	157.0	Interbedded limestone, fine grained; medium grey, pyrite stromatolitic gorizons, irregular lamination, and dolostone fine grained, medium grey, calcic, burrowed, talcite veins.	130	II;o	10	0:15	1.65		
157.0	177.5	Limestore, medium hrey, fine grained, aphanitic shales stringers, irregular bedded interclasts.							

PROPERTY HILL TOWN

HOLE NO. D.D.H. 20 SHEET NO. Page -4-

FOC	TAGE		SAMPLING		<u> </u>
FROIA	10	DESCRIPTION	SPL NO. FROM TO	feet	
177.5 187.0	187,0	Dorostone, light grey, thin bedded, brown layers, stylolites, fine grained.  Limestone, uphanitic, medium grey, irregular bedding.			
133.0	216.3				
150.0	210.5				
216.5	223.0	Shale, medium grey.			
223.0	258.5	Dolostone, buff-light grey, fine grained, stylolites, mottled beds contain shell fragments.			
238.5	260.0	Interbedded limestone, aphanitic, medium-dark grey, shaly partings and dolostone, medium grey, fine grained, stromatolitic horizons, pellets, hurrowed.			

PROPERTY LIBITOR CHARACT

HOLE NO. D.D.II. 20 SHEET NO. Page -5-

SAMPLING **FOOTAGE** DESCRIPTION FROM TO FEST FPOM SPL NO. 260.0 Limestone, dolomitic, fine grained, shales stringers, calcite veins containing galena and traces of sphalerite 260.0 idi 277.0 Dolostone, calcic, very fine grained, medium grey stylolites shale stringers, stromatolitic beds, grade into limestone. 290.0 A /A 293.0 Limestone, aphanitic, fine grained, medium grey, weathers 290.0 buff with coarse texture, stylolites, calcite veins. 312.5 Dolostone, calcic, white-light grey, fine grained calcite veins with galena and sphalerite lining veins. 298.0 PP WH 312.5 Limestone, light to medium grey, aphanitic, fine grained shaly partings, glauconitic clay veins, fine grained with 350.0 calcite veins,

PROPERTY CENTER CENTER

HOLE NO. D.D.H. 20
SHEET NO. Page -6-

SAMPLING FOOTAGE DESCRIPTION FROM 10 FEET SPL NO. FPOM 350.0 See preceeding page. BOTTON

### D. D. HOLE No. 1931-A

LOCATION UT	M Grid 5385200 North
The second section of the section of the sect	3511400 M East
HOLE STARTED TI	ine 19, 1974
HOLE COMPLETED	June 22, 1974
CORE RECOVERY	some shale not recovered
משוורת בע	Eastern Exploration Ltd.

		SURVEY
Depth	Dip	Azimuth
14.		

COLLAR.	!AT		*********		
	DEP				
	·				
				/ 1 Temp	
		and the second	1 125	1 7 7	
LENGTH	1000				
14 to 15		VI	100		

				: 1 <u>-1-1</u>	·				 	
FOOT	TAGE		DESCRIPTION		SAM	PLING				
FROM	70	!		SPL NO.	FROM	10	FEET			<u> </u>
0'	٤٠		OVERBURDEN							
s'	32'	· : - : -	HUMBER ARM  GREYWACKE; green-grey, fine-grained, grades finer into siltstone.							
	:									
32'	551		SILTSTONE (shale), thinly bedded, greywacke/black streaks some greywacke interbeds, some beds limy.	•						
	:	<u></u>								

PROPERTY \_ LEHICE\_CEMENT

HOLE NO. DDII-21
SHEET NO.2 of 5.

FOOT	AGE		December 1	*	SAM	PLING				
FROM	то	·	DESCRIPTION	SPL NO.	FROM	10	FEET		<u></u>	 <del></del>
	56'	40"								
56'	60'	MISSING								
£2;	<b>63</b> :		Same as siltstone above. Greywacke, dark grey, fine-grained, limy.			) () () () () () () () () () () () () ()				
:			Argillite (clay-silt shale) meddark grey, very thin bedded, interbedded claystone - siltstone.							
161'	107'		Greywacke, dark grey, fine-grained.							
107'	120'	- · - · _	Greywacke, dark-grey, med. grey with larger (tectonic) pebbles. slickensides.							

PROPERTY LIPTGE CHEEK

HOLE NO. DDE-21
SHEET NO. 3 of 5.

SAMPLING FOOTAGE DESCRIPTION SAL NO. FROM FROM TO 1391 120' Siltstone, dark grey (shale), thin bedded. \*Breccia, claystone with large (t" - t") angular limestone fragments, dark grey, fragments lt. grey. 1541 139' Argillite. dark grey. Interbedded red, brown and grey (grn.) claystone fissile, vitreous luster. 3001 154'

PROPERTY LEHIGH CEMENT

HOLE NO. DDH-21

SHEET NO. 4 of 5.

SAMPLING FOOTAGE DESCRIPTION FROM TO FEET FROM 10 300 \* INTERBEDDED CLAYSHALES Cont.

HOLE NO. DEH-21

PROPERTY

TABLES CHEST

SHEET NO. 5 of 5.

FOOTAGE		SAMPLING			
FROM TO	DESCRIPTION	SPL. NO. FROM TO	FEET		· 
360'	INTERBEDDED CLAY-SHALES cont.				
a prima managaman na na na na na na na na na na na na n					
19	nom°				
			-		
				이번 경험 기계 기계 기계 기계 기계 기계 기계 기계 기계 기계 기계 기계 기계	

#### D. D. HOLE No. 22

LOCATION UTM CELE 5385200 73	1,
35(1900 HE	· · · · · · · · · · · · · · · · · · ·
HOLE STARTED June 24/74	
HOLE COMPLETED June 25/74	
CORE RECOVERY 100	%
DRILLED BY Eastern Exploration	L.Ltd.

Depth	Dip	Azimuth					
. 25		(# <b>*</b>					
	15 March 16 March						
		300					

COLLAR.	LAT.		***	11.141.7 11.141.7	54 100	1 1 1 1 1 1	1000	- 121	1.
	DEP		•						ŀ,
	ELEV.								
	AZIMUTH_			1					:
	DIP					11.4			
LENGTH_		 							
HOR. PRO	)J	 	VES	T. PRC	ل(				

	<del></del> ;				<del></del>				
FOOT	AGE	DESCRIPTION		SAM	PLING				1
ROM	TO		SPL NO.	FROM	TO	FEET			
O'	35'	No core; assume most of top 35' too soft to core.							
; ;									
1 1 1 1									
35'	28'6"	HUMBER ARM: Dk. grey to green argillite with interbeds							
 : :		of shiny lustrous siltstone; graptolites throughout, local Pyr. but hard to locate core so broken up - sporadic dark grey (br) liny audstone interseds (max 3")							
•	•								
:									
:									

PROPERTY LEHICH CEMENT.

HOLE NO.

24.

SHEET NO. 2 of 3.

Derk green argillite with interbeds lustrous black to green argillite intermixed with interbeds lustrous black to green argillite intermixed with little propunctions:    Propunction of the propulation of the propulation of the state of the state of the propulation of the state					SAMP	ING							į
grean argallite. intermixed with lithic greyteckes: frag. ang. argillitos;matrix dk. grey, granuler to locally fine slightly delentitic to limy, wave banded - long axes of clasts with-parallel, complete size variation; local clast-free bands; clasts up to §".  Interbedded green & red siltstones (less indurated than before) abund. lustrows patches, green to 117', 126'-128'  Green	ō ,	<del></del>		). F	ROM	10	PEET						
grean argulites intermixed with little greynackers frag. ang. argulity separative to locally fine clightly delenicit to limy, wave banded - long axes of clasts wheherailel, complete size variation; local clast-free bands; clasts up to 3".  Interbadded green & ved silistones (less indurated than before) abund. lustrows patches, green to 117', 126'-128'  Green											17	1	
green argulite. intermixed with lithing greynackers freg. ang. argulitres;martix dk. grey, granular to incelly fine slightly delenicit to limy, wave banded - long axes of clusts wth-parallel, complete size variation; local clast-free bands; clasts up to i".  Interbedded green & ved silistones (less indurated than before) abund. lustrows patches, green to 117', 126'-128'  Green			HUND - [ 그리 [ 역 기 : ] 이 그렇게 함께 보냈다고 하는 기를 모르는 이렇게							- 44.			
frsg. ang. argillizes;marrix dk. grey, granuler to locally fine slightly dolanicic to to limy, wave banded - long axes of clasts sub-parallel, corplete size veriation; local clast-free bends; clasts up to i".  Interbedded green & red siltstones (less indurated than before) abund. lustrows patches, green to 117', 126'-128'  Green			Dark green argillity with interbeds lustrous black to										
fine slaghtly doltarics to limy, wave banded - long axes of clasts sub-parallel, complete size veriation; local clast-free bands; clasts up to 3".  Interbedded green A ved siltstones (less indurated than before) abund. lustrons patches, green to 117', 126'-128' Green			green argillite, intermixed with lithic greyworks:							jiri ja s			1
axes of clasts wh-paralicl, corplete size veriation; local clast-free bands; clasts up to 3".  Interbedded green & red siltstones (less indurated than before) abund. lustrous patches, green to 117', 126'-128' Green			frag. ang. argillites; matrix ck. grey, grandlar to locally						··· }				
Interbedded green & red siltstones (less indurated than before) abund. lustrous patches, green to 117', 126'-128'  Green			axes of clasts sub-parallel, complete size variation;			<i>a</i> :			,				
abund. lustrows patches, green to 117', 126'-128' Green			local clast-free bands; clasts up to i".						1				
Green.	4"	4"	Interbedded green & red siltstones (less indurated than before)						į				
			abund. lustrous patches, green to 117', 126'-128'	30					. !				
			<u> </u>	1						Tr	1		
			<del>프로프</del> 를 보고 있다면 하는 것이다. 그는 그렇게 하고 있다.										
			F-P										
			<u>- 크로</u> 크리 이 시간 나는 이번 시간 시간 시간 시간 사람이 있다. 그렇다 그렇다						<u> </u>				
	====1		물모드린 그는 그는 그가 보여 한다를 살려면 하나면 해 작업이를 잃었									1	
			프로프레이 아이가 하는 아이를 하는데 하는 중요를 했다.										
			두 두 두 그리고 하는 사람이 살림을 들어 가는 사람들은 사람들이 되었다.						; i				
			<del>IIIII</del> daa haanaan ka ka ka ka ka ka ka ka ka ka ka ka ka	er this Thirth					- [				
			교ー무의 집 이번에 이 마음으로 이번을 사용을 살았다. 살아다										
		===	무료무료 이 보이 이번 그 회사 없이 아무를 보이 않는 것이 없다.										
			그렇게 그렇다 그는 그 이 그는 그 오는 가는 그리고 있는 그 가는 이 없는 것이다.										
			AI=I+I-I - I										
			<u> 크고프의 이 그는 것으로 보이면 보이면 없는 바로에서 되고 하였다.</u>										
	<u> </u>	<u> </u>	BIF [FI] 이번 교육되는 이번 등에서 가는 대통 호텔에 연극하다.										
			<del>프트클릭</del> 하는 이렇는 화는 레이지를 사고 있다. 회사 학생활동										
	=====		프로그램 이 시간 시간 사이스 나는 사람이 가입하다면 하다.										
	====	===	<del>보통물을</del> 이번 하는 데 그런 하는 사람이 하다면서 하다면 하다.										1
								1	, 1				
			프로그리 아이 그는 이 아름이 그 그는 물이 모양으로 모양했다면?					1					
一个一个一个一 <del>样,一一一手!"</del> "我们,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	-=-==		,프-프프- , 2010년 1일 1일 1일 1일 1일 1일 1일 1일 1일 1일 1일 1일 1일										1
213'4" 277'6" Dark grey 1st. Bx. ang. limy clasts (med. grey) in drk gry	7'6"	7'6"	Dark grey 1st. Bx. ang. limy clasts (med. grey) in drk gry										
natrix; max. size 1" down to matrix size; interbedded argillites.		100	natrix: max. size 1" down to matrix size; interbedded argillic	es.									1
Sometimes finely lam. max. contain sporadic clasts.	10000	1000	Sometimes finely lam. max. contain sporadic clasts.										1

PROPERTY

LUMI DE CEMENT

HOLE NO.

SHEET NO. Page 3 of 3.

FOOTAGE SAMPLING DESCRIPTION FROM SFL NO. FROM TO FEET Dark grey argillite, sporadic (graptolites?); further down interbedded argillite & less blocky beds -- siltscones; 227'6" 226 sporadic finely diss. Py. TABLE HEAD
TRANSITIONAL downward into limy argillite, still darkgrey, finely laminated, good large graptolites & ostracods apparent Py sporadic throughout. Med. grey limy mudstone to packstone; large sparry lt. vug with 2981 3001 sphalerite & pyrite.

## D. D. HOLE No.\_\_23\_

LOCATION UTM Grid 5385000 MN
350300 ME
HOLE STARTED JULY 3/74
HOLE COMPLETED July 3/74
CORE RECOVERY 100 %
DRILLED BY Eastern Exploration Ltd.

		SUR
Depth	Dip	Azimuth
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ELEV.		***		·	·
AZIMUTH		. <del> </del>	*****		
DIP.					
	AZIMUTH	AZIMUTH	AZIMUTHDIP	AZIMUTH	ELEV.  AZIMUTH  DIP.

FOOT	AGE	DESCRIPTION	SAMPLING								
FROM	TO	DESCRIPTION	SPL. NO.	FROM	10	FEET		<u> </u>			
0	14	OVERBURDEN		1.							
14	40	Humber Arm dark grey argillite with graptolites on bedding surface.	•   .					-			
		Brecciated with angular limy clasts in argillite matrix, heterog., complete size gradation from 3" across to matrix size. Interbeds up to 6" wide, dark grey limy mudstone.  Both cut by calcite veinlets - local pseudobreccia patche (less than 2")									
40	48.2"	Table Head									·
•		Transitional unit: dark grey limy argillite, becoming coa er bedded, more limy and lighter coloured downward.	rs-								
48.2"	56.6"	Med. grey limy mudstone to packstone; mottled, likely bio turbated - abundant fossil fragment, bivalves, gastropods pisolites, pellets; interclasts; many dark grey-brown arg partings.	;								
56.6"	66	Light grey to white limy mudstone to packstone bioturn lensoid appear. 57' and 62' -pyr. gal. sphal bitumen i vug with calcite (py.exterior - calcite-sphalcalcite)	ntire								
56	120	core contains many fossil fragments., abundant grey arg. Med. grey limy mudst. to packstone, sproadic grey-br. arg turbated throughout, macro gastro. (2) local pseudo Bx wh	. partin	igs and o	calcite	veinlets	and fi	ne foss	il frag	nents, b	0 -

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PROPERTY Port au Port

HOLE NO. 23

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	TAGE		DESCRIPTION		SAMP		<del>,</del>					
FROM	10			SPL. NO.	FROM	10	FEET					! 
			Pyrite - (colloform) plus calcite in vein. Pyrite plus calcite in vein									
			tyrite plus carcite in vein								•	
			Pyrite plus very coarse sparry calcite plus +ve Zn test, some of veins contain mudstone fragments - brecciated texture.									
			texture.									ĺ
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### D. D. HOLE No. 24

TOCATION UIN 5385600 MN 550309 ME	)	
HOLE STARTED July 5, 1974		
HOLE COMPLETED July 5, 1974		
CORE RECOVERY	100	%
DRILLED BY Eastern Exploratio	n Servi	ces

		SURVEY
Depth	Dip	Azimuth (
No. of the second		
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COLLAR.	LAT						 
	DEP		* .				
	ELEV.						
	AZIMUTH						
	DIP	······································	54.5 S				
						14 N	
HOR. PRO	 			VERT.	PROJ.		

FOO	TAGE	DESCRIPTION		SAM	PUNG				****
FROM	то	DESCRIPTION	SPL NO.	FROM	то	FEET			<u></u>
0.0	6.0	OVERBRUDEN							
6.0	60.0	TABLE HEAD Limestone, medium grey, silty, fine grained, anastomising darker veins (hackly) calcite veins.							
	: :	(Lower Tabel Read)							
	1. 1.								

PROPERTY

HOLE NO.

SHEET NO.

FOOTAGE !	그는 그는 그 그리고 그는 그들은 그를 가장 되었다.	· · · · ·	SAMI	LING		4 · ·			
ROM TO	DESCRIPTION	SPL NO.	FROM	10	FEET				
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<u> </u>							6/		
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	[1]   - 1   - 1   - 1   - 1   1   1   1   1								
·  -									
F									
	선거 소계 된 역에 회사되면 있는 동생님께를 살아왔다.								
1-1	[ 이 [ ] 이 [ 이 [ 장면 장면 가면 말을 됐었다. ] 이 기계 요즘								
•	BOTTOM ! I SEE THE SEE THE SEE THE SEE THE SEE THE SEE THE SEE THE SEE THE SEE THE SEE THE SEE THE SEE THE SEE				į	1			
				,		distribution.			
: •	아이 아이는 함께 있는 그리고 있다고 있었다고 있을까지 얼마라 하고 있다.			1					
	그 사이스 그 있는 사람이 만든 중요한 사람이 되고 하나 말했다. 저 이 아 말								
	그리의 교통 및 사람이 생기를 가장 살아 하는 경향으로 되었다.								
	그리다 이 없이 얼마면 있다는 얼마를 모었다는 다른 모양이 없다.								٠.
	이는 이번 생활되는 경험이 되는데 하는 학생 선생님이 모양되었다.								
	그런데 뭐 그렇게 그렇게 살아왔다. 그는 많은 그리고 얼마를 가면 살아 없었다.				,				
	그리트 그는 그리고 말하면 하겠다니요? 그리가 됐다면 그리고 하다.								
, ;	님 - 이 네티얼마르글 육시사는 왕들이 살았습니다. 그리고 살아?					10 d. 1 d. 1 d. 1 d.			
	그는 그런 하나, 하루를 하다면서 하는 것이 하셨다는데, 나는 그렇다.								
	그리는 그 사람은 이렇다 되었는 그런 생각 된 그렇게 모르는 문화들이 하다								- '
	그리는 얼마 얼마 얼마나 되는 것이 하는 말에 그렇게 그렇게 얼마 얼마나 없다.								
- 1	그는 이 글로바로 돌아내면 하다고 그리고 그래요? 그리고 다니다.								
	그리 교육의 학교가 보고 한 종교를 보냈다면 하고 바라를 반대했다. 아					3. 5. 6			
	그는 170일 등에는 당시한다고 되어 말했다는 대학생들이 말했다면 하였다.								
	그 어떻게 만들었습니까 생님이 있다면 어디를 잃어 바람이었다.								
	그는 그 모든 시간에 들어 가는 사람들이 되었다고 있었다고 있는데 다			4.					
•			. 1. 4	* 1	#				

### D. D. HOLE No.

LOCATION CIP GILD 5386200	NOTER
350300 M East	
HOLE STARTED July 7, 1974	
HOLE COMPLETED July 7, 1974	
CORE RECOVERY Incomplete	%
DRILLED BY Eastern Explorat	ion Service

			SURVEY
3	Pepth	Dip	Azimuth
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	DEP							Terefore	
	ELEV		• 1						
	AZIMU	TH							
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ENGTH.	·								
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FOC	TAGE	ì	The state of the s		SAMPLING				
FROM	10	-! 	DESCRIPTION	SPL NO.	FROM TO	FEET			· ·
G	45'	Shale	Initial shale was too soft to core.						
	451 _		45' very close to HA boundary.  TABLE HEAD  Clay-shale (Hissile uncompacted) grn-gy.						
45'	56'		Clay-smale (Hissile uncompacted) grn-gy.						
56'	79'		Siltstone (Shale); dk. gry. intercalation 1/8' off sandy limestone ostracbds, uniserial & biserial grapholites.						
79'	-		Limestone (debris bed) see next page.						

PROPERTY LEHIGE CEMENT

HOLE NO. 25

SHEET NO. 2 of 2.

F00'	TAGE	DESCRIPTION		SAM	PLING			1.1	
FYOM	10	cu	SPL. NO.	FROM	. 10	FEET			
	51.	Linestone: Precein, dk. gry. in the clay (liney) Lettix fragmento angular - subangular - heterogenous					Lak		
81'	91'6"	Limestone; dk. gry. silty, fine-irregular bedding, vein filled with coarse sand, some pyrite.							
91'6"	129'	Limestone; med. gry. silty with apastomising darker wein	<b>5</b> ,	Silveria Organiza		one de la company de la compa			
	7	calcite veins with <u>pyrite</u> , orthoconic cephlaped, crude oil in fracture.							
		Newfie crude oil							
								<u>.</u>	
	s."								
	129'	BOTTOM							
						2			
	:					•			
									1

Page 1 of i

D. D. HOLE No. 26

LOCATION LUTH Gric	5384400 MN
	350300 ME
HOLE STARTED JULY	0, 1974
HOLE COMPLETEDJuly	9, 1974.
CORE RECOVERY	100 %
DRILLED BY Fastern	Exploration Ltd.

 		SURVEY
Depth	Dip	Azimuth
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COLLAR.	LAT.			 	
	DEP				
	ELEV				
	AZIMUTI			 	
	DIP	11.5	· ·		
LENGTH			i!		
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FOOTAGE								
DESCRIPTION			SAM	PLING				7
FROM TO DESCRIPTION	s	PL NO.	FRO.M	TC	FEET			
C' 6' OVERBURDEN								
6' 60' TABLE HEAD med-gry. limey mudst to packstone; var.	*							
bioturb, with frag. lensoid develop.; gast, bivalve	s, rara							
Py in matrix.   pisolites, sparadic stylolites - siltst. prings; see.g., shelter porocity occluded by sparry ct.	everal							
(lower Table Head)						an W.		
		-	•					
								31.
Py in matrix.								
								بار
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							7	\$ - -
								14

#### D. D. HOLE No DDI - 74-27

LOCATION UTM Grid 5385600 North 350900 East

HOLE STARTED July 11, 1974

HOLE COMPLETED July 16, 1974

CORE RECOVERY .....%

DRILLED BY

•	•	SURVEY
Depth	Dip	Azimuth
		<del></del>
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COLLAR. LAT.

DEP.

ELEV.

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FOC	DTAGE		DESCRIPTION		SAMPLING	-		
FROM	10	di anno anno anno anno anno anno anno ann	DESCRIPTION		SPL. NO. FROM . TO	FEET		 
0.0	30.0	$\setminus$						
			Overburden					
			HUMBER ARM					
30.0	59.0		Chay, uncompacted - light grey (mottled)	to dark grey,				

PROPERTY Lehigh Cement

HOLE NO. DDH-74-27

SHEET NO. Page 2

				. <del> </del>				SHEET NO.	. Page 2	
	OTAGE	1	DESCRIPTION			SAMPLING	:		•	
FROM	70	40.0		s	PL NO. F	OM TO	FEET			
•										
59.0	93.0		claystone, interbedded, dark grey and reddish brown, grey shale, often not compacted.	(shale	)					
	; ; ;									
1			на	•	•.					
93.0 95.0	95.0 97.0		Core missing. (TH) TABLE HEAD Siltstone, Dk.gr. w/limestone, It -med. grey c							
97.0		t¢	Siltstone, (shale), dk. gr. (shale), interbeds mestone, dk gr. fn grained; shale is graptolit wards the middle, grading to more limy at base calcite veins with pyrite.	ic:		*				
					.*					

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PROPERTY

PURIOR CENEMA

HOLE NO. DDII-74-27 SHEET NO. Page 3

FROM TO 110.9 DESCRIPTION SPL NO FROM TO	FEET			•		
149.0				*		
149.0						
				The state of the s		
					1 :	
				4		
				. ]		
			İ			
149.0 151.0 limestone, dk gr, silty, v.f.gr thin bedded calcite veins with pyrite.	11 ·					
151.0 200.0 Limestone, med grey, f gr anastomising dk. veins, pellets calcite veins continue for 30' with lining of prite.						
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HOLE NO. DDI-71-27

SHEET NO.

Page 4

PROPERTY LEHET CIMENT

FOOT	AGE		DECCUIPTION	-		SAMI	LING				
FROM	70		DESCRIPTION	SPL.	NÓ.	FROM	TO	FEET		 	 
	American Control of the Control of t										
	200.0	BOTTOM!									
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SCANNED	<b>IMAGE</b>
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PROJECT	HIGI CENEXT	 	

#### D. D. HOLE No. DOIL-74-28

LOCATION UTM CRID 5385300 North
350900 East
HOLE STARTED July 20, 1974
HOLE COMPLETED July 20, 1974
CORE RECOVERY 100 %
Engtown Evalonation Commiss.

		SURVEY
Depth	Dip	Azimuth
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COLLAR.	LAT				 	
	DEP	·				
	ELEV.					
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LENGTH					1993 1992	
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	The second second					

FOC	DTAGE		DESCRIPTION	45,	SAM	PLING				
FROM	70	- <u> </u>		SPL NO.	FROM	10	FEET			<del></del>
0.0	: . 15.0		Overbruden							
			HUMBER ARM							
15.0	115.5		Interbedded, brown and green to dark grey claystone (shale) some of grey shale is only unlithified clay, brown claystone tends to be carbonaceous.							
						1				

PROPERTY LEHOT CLEEN

HOLE NO. Page 2

FOOTAGE SAMPLING DESCRIPTION FROM FEET SPL. NO. FROM as described on previous sheet

DEFETY

TEREST CHASEL

HOLE NO. DON-74-28

FOOTAGE		DESCRIPTION		SAME	LING	NG				İ
FROM	16	DESCRIPTION	SPL. NO.	FROM	10	FCET	 	 <u> </u>	<u> </u>	
	115.5									
115.5	120.5	limestone, dark grey, high terrigenous content, fine grain with lenses of breccia material.	red							
120.5	148.0	claystone (shale), dark grey, carbonaceous very fissile.								
							<b>.</b>			
										-
148.0	171.0	limestone, medium grey, fine grained, cross bedded inter- calations of claystone								
				1						
									No. of the state o	
171.0	174.0	claystone (shale), dark grey to black, carbonaceous, fissi	le							
174.0	184.0	as above with no visible hedding.					1			
		# 1. Here 이번 1. 전 1. 그렇게 되었다. 다음 및 1							1	<b>i</b>

PROPERTY LEHICH CENENT

HOLE NO. DDI-74-28 SHEET NO. Page 4

SAMPLING FOOTAGE DESCRIPTION SPL NC. FROM 10 FEET FROM 184.0 claystone (shale), black with interbeds of limistone, medium grey, fine grained and limestone breccia is in clay matrix. Cavity 6" interbed of limestone is filled with same as breccia-clay material. 184.0 205.0 208.0 208.5 HA: limestone medium grey, coarse grained. 208.0 clay, dark grey and light grey, uncompacted. 203.0 TABLE HEAD siltstone, dark grey (shale), graptolitic, ostracods becoming limy in last 20 feet, calcite veins, interbedded fine grained limestone (6') 208.5 241.0 limestone, medium grey, silty, anastomising veins. 241.0 280.0

PROPERTY LITTLE COUNTY

HOLE NO. DMI-74-28

FOOTAGE SAMPLING DESCRIPTION 250.0 10 FROM FROM BUTTOM

#### D. D. HOLE No.

LOCATION UTY GE	id 5384700 MN
	350900 ME
HOLE STARTED	
HOLE COMPLETED	
CORE RECOVERY	94 %
DRILLED BY Easter	n Exploration Ltd.

		SURVEY
Depth	Dip	Azimuth
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	AZIMUTH	$x_{ij} = \mathcal{S}_{ij} = x_{ij}$				11,271	
	DIP				ij		
LENGTH_	- 11						
			VERT	P2O1			
						***************************************	*****

FCOT	TAGE		SAMPLING			T		
FROM	70	DESCRIPTION OF THE PROPERTY OF	SPL NC.	FROM T	O FEET	-		
0 :	15	OVERBURDEN						
15	55	HUMBER ARM interbedded dark grey to green siltstones & lesser argillites; abundance lustrous patches; grapfolites, Py finely disseminated to modular throughout						
551	65'	LOST CORE						
<b>65'</b> .	751	Dk. green siltstone with abundant lustrous patches.						
75'	85'							

PROPERTY

timien carrier

HOLE NO. 29 SHEET NO. 2 of 3.

FOOTAGE SAMPLING DESCRIPTION FROM : TO SFL. NO. LOST CORE 951 1361 Dark grey to dark green siltstone; badly broken up. 136' 136'10" 138'10" 186' Dark grey argillites & fine-grained greywackes. Dark grey argillites with lesser siltstores, abundant finely-disseminated Py, lustrous patches still abundant. 187' Lithic greywacke: clasts - very ang. green argillite to grey 1867 argillite, lustrous & not; matrix dk. gry. argillite, may show patches of wavy banding; some frag. attenuated. 1871 Dk. gry to green siltstones with lesser argillites; again fine Py throughout.

PROPERTY

LEBIGH CEMENT

HOLE NO. 29 SHEET NO. 3 of 3.

FOO	YAGE		SAM	IPLING	en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co		<b>)</b> //		transcore de la companya della companya della companya de la companya de la companya della compa
FROM	10	DESCRIPTION SPL NO.	FEOM	10	FEET		!	i .	
221'	237	Dork grev limy argillite, finely laminated, many grapholites, sor couracteds.  TRANSITIONAL	ae						
237'	240'	7ARLE HEAD: abrupt change to coarse-grained apparently partly liny mudstone to packstone, made grey with fine argillite (limy) interbeds. med. gry. limy mudstone to packstone with typical lensoid development created by infill; fine shaly partings & stylolites; much fossil debris - gast, bivalves, pellets.							
					•				

S	CA	NN	IED	IMA	GΕ
	<b>*</b>		•		

P	R	O	J	E	C	T	•
		_	•	-	_	•	-

TEHROL CENEXT

### D. D. HOLE No. 1881-74-50

LOCATION UTM Grid 5385900 North
350300 East
HOLE STARTED.
HOLE COMPLETED
CORE RECOVERY %
DRILLED BY Fastern Exploration Services

		SURVEY
Depth	Dip	Azimuth

COLLAR.	!AT	· ·				
	DEF.		- 1			
	1.1	-,/	runi tu			
	AZIMUTH					
	DIP		1			
LENGTH	er gregoria		~			
HOR. PRO	<b>).</b>			VERT. P	ROJ	

FOO	TAGS			SAM	PUNG	1		
FRCM	70	DESCRIPTION	SPL NO.	FROM	TO FEET		1 (1) (5) (7) (4)	
9.0	5.0	Overburden						
		TABLE HEAD (lower)						
5.0	17.0	Limestone (shale); dark grey, silty						
7.0	60.0	Limestone, medium grey, fine grained, anastomising veins, calcite veins.						
		calcite veins.						
			1			1 No. 1		

PHICH CEVENI

HOLE NO. 1001-74-30 SHEET NO.

Page 2

FOOTAGE SAMPLING DESCRIPTION SHL NO. FROM :3 FEET FROM BOTTOM

D. D. HOLE No. DOU-31

LOCATION UTM	_5385300 M	Ŋ		
<u> </u>	350300 ME		 ور <del>سمد</del>	
HOLE STARTED	August 4.	1974		••••
HOLE COMPLETED.	August 4,	1974		
CORE RECOVERY	100			%

		SURVEY
Depth	Dip	Azimuth
		147 (1994)
and the section of		

COLLAR.	LAT		 		 
	DEP	, 25.		1 1	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ELEV.	3.5			
	DIP				
LENGTH			 		
HOR. PRO	) <b>J.</b>		 VERT. rR	OJ	

FOOT	AGE	DESCRIPTION		SAM	IPLING					1
FROM 1	10	DESCRIPTION .	SPL NO.	FROM	; 10	FEET				
0'	4'	OVERBURDEN								4846 35
4	601	TABLE HEAD: med. gray limey mudstone to wockstone; biotu	i cb							
		with typical lensoid texture: drk. cry. brown arcilling				İ				
:		prings. & stylolites throughout, several areas appear								
		bx-like due to intense bioturbatgastropods, bivalve fr fine ct. veinlets direction of argill. prtrgs-gas escape	genents	•						
:		Py in stylolite	ψ.,							
		(lower Table Head)								
		<u> </u>								
				1						
:		Bitumen(?), perhaps just drill oil.		•						
:						•				
		<u> [ - 1 - 1 - 1</u> - 2 - 1 - 1 - 2 - 1 - 1 - 2 - 2 - 2 - 2								
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1 /	•		. ~				

D. D. HOLE No. 32

LOCATION UTM Gri	d 43847 MN
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	350300 ME
HOLE STARTED AU	ng. 4, 1974
HOLE COMPLETED AU	ng. 4, 1974
CORE RECOVERY	100 %
DRILLED BY Eastern	Exploration Limited

		SURVEY
Depth	Dip	Azimuth
	at the	
<del></del>	11	

	LAT.		 	Ţεξ.				
	DEP	 	 		<u> </u>			٠.
•	ELEV	 	 					
	AZ!M.UTH_					1.1		
	DIP							
LENGTH .								_
- 7	)J		 	201	N. A.			٠.

FO	OTAGE	DESCRIPTION		SAMP	UNG				
FRO.M	10	DESCRIPTION	SPL NO.	FROM	το	FEET	-		
0.0	7.0								
7.0 15.0	15.0	TH: dark grey, argillaceous, finely laminated, limey must. interbeds up to 1" wide.Bitumen stain pyrite and calcite in infill. TABLE HEAD: med. grey, limy mud st. to wackstone, var. bioturb. lensoid texture, pine mudstone part sylolites throughout; gost, bivalvos. Pyrite in	ings	× .					
		Green mudst. (limy) now red to powder (2")							

ROJECT	CEMENT
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D. D. HOLE No. ddh-35-74

LOCATION UNGTIO	5383200 N
	543400 E
HOLE STARTED	
HOLE COMPLETED	
CORE RECOVERY	Partial %
nomen av Eastern	Exploration Services

da lainak	- : '		SURVZY
Depth	4.5	Dip	Azimuth
447 377			
:			
		-i + i = i	

COLLAR.	LAT.		1. 2		:		 
	DEP	i -			÷ .	3	 
	ELEV						
	AZIMUT						
	DiP						
LENGTH_							
				VER	T. PRO	J	

FOO	TAGE		DESCRIPTION		SAM	PLING					
FROM	ΥO		TO THE SECRETION TO THE SECRETARY OF THE	SPL NO.	FROM	TO FEET	J				
					1						
			Overburden								Ž.
		N N									
	i		[이 것은 사람들이 중요하고 보다 사람이 되었다. 그 그리는 사고 되는								
	1										4
		<u>/</u>	HUMBER ARM								13
12.0 13.0	13.0 15.5		Limestone, tan-1t. grey, aphanitic with brown clay stringer J-Greywache; medium to dark grey, med. grained, solt & pepper	s							
15.5	17.0		to homogenous silstone, dark grey, thin bedded (shale)								ti. Paris
17.0	19.5 _		-Core missing.								
	_	ii.	1. 漢字 중요했던 그라다는 하는 다니다 말라면 하는 것								d 
19.5	28.0		-Interbedded siltstone and mudstone (shale), dark grey,								
			some interbeds of very fine greywache.								
	; · · · . <del> -</del>	-		. Projekta							
20.0	32.5		-Greywache, dark grey, limy (calcite cement), coarse grained	1						-	
28.0	-	1			1						
32.5	37.0		- Greywache, dark grey, fine grained grading to medium grained.				İ				
37.0	53.0										
20		1	계약 함께 보고 있다고 하는데 하는데 하는데 보다는데					1	1	1. 1.	

PROPERTY LIHIGH CENEXT

HOLE NO. DD11-33-74

SHEET NO. Page -2-

FOO	DTAGE		DESCRIPTION		SAME	LING		100	•	
FROM	10	40.0	The second secon	SPL. NO.	FROM	70	FEET	 		
	57.0		Mudstone, dark grey (shale) with one-foot intereds of fine grained greywache.							
57.0	61.0		Greywache, dark grey ( ) fine grained.							
61.0	63.6		Core missing.							
63.0	69.0		Mudstone , dark grey (shale).							
÷3.0	100.5		Greywache, medium grained ( ), coarse grained clacite							
23.0			veins.							
100.5	: 		Siltstone, dark grey with interbeds of medium grained							
200.5	111.5		greywacho							

PROPERTY

LIMOUSIMENT

HOLE NO. 1001-33-74

SHEET NO. Page -3-

FOC	DTAGE		DESCRIPTION	Sampling			i	* W	12.0		
FRCM	10	110.0		SPL NO.	FROM	TO FEET	_				
	117.5										
117.5	137.0		Greywache, medium grained, calcite veins, coarse grained with interbedded claystone and siltstone, dark grey.								
	· · · · · · · · · · · · · · · · · · ·										
137.0	194.0		Greywache, medium grey, coarse cement grading to medium and fine grained, limy with thin interbeds of claystone.					And the second of the second o			

PROPERTY LIMES START

HOLE NO. DDN-33-74
SHEET NO. Page -4-

FOOTAGE SAMPLING DESCRIPTION 180.0 FROM 10 FROM 70 FEET SPL NO. 194.0 194.0 218.0 Claystone (shale); dark grey and interbedded siltstone 218.0 278.0 Greywache, dark grey, limy cement, fine to medium grained with interbeds of siltstone.

PROPERTY LEHIGH CEMENT

HOLE NO. Page 5

**FOOTAGE** SAMPLING DESCRIPTION YO 250.0 , JOM FFOM TO FEET SPL NO. Core missing. 278.0 Core missing. (Greywache getting coarser). Claystone (shale), dark grey interbedded siltstone. 300.0 278.0 (ALL HUMBER ARM). 300.0

~ M ~ 1	Pr 124 mg		
PROJ	2.	LEHIGH	CE
, ,			

Page 1

D. D. HOLE No. 34

LOCATION UT	" Grid 538400 MM
11	346200 ME
HOLE STARTED	August 27/74
HOLE COMPLETED	August 30/74
CORE RECOVERY	Badly broken up 697%
DRILLED BY Ea	stern Exploration Ltd.

			SURVEY
Ī	Depth	Dip	Azimuth
Ī		F17 1.073	
Γ	1. 17/12/2		
	- 1 - 4.0		
Γ			
Γ			

COLLAR.	LAT			
	DEP.			
	ELEV.			
	AZIMUTH			
	DI?		Tearns I	
LENGTH_				
	)J	VERT	PROJ	
				 4

	TAGE		DESCRIPTION			PLING				
FROM	70	<u></u>	المراجعة والمراجعة والمراجعة والمحاجمة والمحاج	SPL NO.	FROM	10	FEET	 ļ	 -	
0 .	14'		Cverbruden  HUMBER ALM							
14 15	15' 20'		Ned. grey limey madst. to was kesture, fossil fragments Dark grey argillite with lesser siltstone, limy mudstone in- terbeds up to 2" wide.							
21 25	25' 35'		Flost Core.  Bark grey argillite; Timy beds to 4" wide, comp. lim y cemen clasts heterog. from limy madstone to siltstones & argillite poorly sorted, sub-angular.	t S						
35 39	39' 85		lost Core.  Dark grey liny argillite with liny maistone to liny lithic greywacke interbods up to E" wide Sporadic throughout; med grained, dark pink clasts heterog. from arg. (green to gray) to mudstone; grades to fine grained limy greywacke in which clasts mostly limy.							
85	153		Dark grey limy arg. with good blocky fractures grading sporadically to dk. grey. greywacke, finely lam., sporadic fin	diss.						

PROPERTY PORT AN FORT

HOLE NO. 34

SHEET NO. 2

FOOT	AGE	DECONOTION		SAMP	LING		1 354 1	1		1	
FROM	TO	DESCRIPTION	SPL, NO.	FROM	10	FEET					
		apparent cross heds in some greywacke									100
:		[요리즘] 이 님이 동안된 화학이셨어요. 하는 이번									
	2.1										į
			er er Tropicos								
		T-T-I 원리 원인생, 요약 환경 대학생으로 사용하는 사람									
155	21215"	Dark grey siltstone with lust rous patches.									
		그 그녀의 물차 속 얼마가 고축되게 있다고 나는 가는 것이									<u>.</u>
	:	[그리고] 교통, 그림 선택을 통해 하는 11. 기본 경영 및									
155	212'5"	Dark grey greywacks, fine grained, interbedded with dark									
		Dark grey greywacke, fine grained, interhedded with dark grey argillites. Again apparent cross beds in greywacke; argillite decreaces in importance downwards; fine, sparry calcite veins cut greywacke - a local "vein Bx".									
		calcite veins cut greywacke - a local "vein Bx".				di .					
									اس از کی عمر		
	: :-										
		아이는 기본 이번 사람들은 사람들은 사람들은 경험을 받았다.									
								\$			
		[그그릇의 말이다. 아이를 하고 있다. 그리는 그									
	:									N.	
212'5"	240'7''	Dk. grey greywacke, fn -cr. grained, homog in general but grey arg. locally larger & may be concentrated locally/di laminated appearance; sporadic dk grey arg. interbeds to Fine calcite veins cut greywacke - local 'vein Bx".	dark								
	•	laminated appearance; sporadic dk grey arg. interbeds to	1" wide.								
		Fine calcite veins cut greywacke - local 'vein Bx".									
	:										
	٠	그 문화 그 그는 이 이름이 들어 이렇게 되었다.				. <u></u>					
		그는 그는 얼마를 막게 한 이렇을 가면 회사는 없는데 한다.									

RTY	PORT AU PORT	

		PROPERTY PORT AUTORI		SHEET NO. 3	
FOO	TAGE	SAMPLING			
FROM	70	DESCRIPTION SPL. NO. FROM TO	FEET	1	
All the speciments of the last					
24017"	261'	Dark grey argillite interbedded (& grading into) dark grey greywacke, fine grained.			
261'	296*	Dark grey argillite with grapt interbedded with med. grey greywackes (coarse grained, angular, subangular clasts:  lithic with large limy madstone clasts, limy matrix) and dark grey to green wavy banded argillite often with abundant to sparse angular fragments, sparse, grey brn. imy mudstone to dark grey to green siltstone bands.	un version de la constant de la cons		
2901	3001	Dark grey argillite with sporadic interbeds up to 6" wide.  Grey-brown limy mudstone.			
					5
			!		

LOCATION	UIM 5381100 n	n N	 
	341800 i	1	

HOLE COMPLETED Sept. 6, 1974

Partial

DRALLED BY Eastern Exploration Services

SURVEY								
Depth	Dip	Azimuth						

COLLAR.	LAr				 
	DEP	1. 11			 
	ELEV				
	AZIMUTH				
	DIP.				
LENGTH					
	)J		VERT.	FROJ	

FOC	TAGE	DESCRIPTION		SAMPLIN	NG		
FROM	10		SPL NO.	FROM	TC FEET		
0.0	4.0	Overburden  #UMBER ARM					
4.0	38.0	Greywache, grey-tan, fine grained grading to coarse, inter- bedded siltstone.					
	:						
38.0	82.0					•	

PROPERTY HERICI CENTENT

HOLE NO. DDH-35-74

SHEET NO. Page -2-

FOOTAGE		SAMPLING			SAMPLING			SAMPLING			Sampling		
CT PO	40.0	DESCRIPTION	SPL NO. FRO	v to feet			 						
		Claystone (shale); dark grey interbeds (6-8'), fine grained greywache, medium grey, calcite veins.											
;													
•		_ Missing core.											
0 117.0		Greywache; medium to dark grey, very fine grained regular bedding, intercalactions of dark claystone.											
:													

PROPERTY

LIBILIA CEMENT

HOLE NO. DDI-35-74
SHEET NO. Page -3-

SAMPLING **FOOTAGE** DESCRIPTION 10 FEET 110.0 FROM TO 111.0 greywache; medium grey, coarse grained, limestone fragments 112.0 117.5 Siltstone, (shale); medium to dark grey with very fine grained greuwache intercalations. 117.5 130.5 Greywache; medium grey, fine grained grading to coarse limestone fragments, last 5' contains intercalated 150.5 148.0 claystone, dark grey. Greywache; medium grey, fine grained, limy intercalated claystone (5"), thin bedding. 171.0 148.0 Greywache; light grey, coarse grained, limy

PROPERTY LEHIC CLUENT

HOLE NO. DDH-35-74 SHEET NO. Page -4-

SAMPLING FOOTAGE: DESCRIPTION FROM 10 180.0 SPL NO. 192.6 interbedded mudstone (shale) durk grey and greywache; medium grey fine grained, limy, thin bedded 204.0 192.5 Mudstone, dark grey with interbedded (6-8") greywache, medium grey, coarse grained in last 20'. 204.0 251.0

PROPERTY

LIBRIGA CENEXY

HOLE NO. DDN-35-74 SHEET NO. Page 5

FOOT	AGE				SAMPLING						1	
ЮМ	10	250.0	DESCRIPTION	SPL. NC.	FROM	70	FEET			1.00		
:	_	<del> </del>							1		İ	
50 0 1	258.0		Greywache, medium grey (salt and pepper), very coarse		• • • • •			!				
30.0	22919		Greywache, medium grey (salt and pepper), very coarse grained limestone fragments, veins of calcite lined with									
	_		pyrite.									
53.0	284.0		Claystone - siltstone (shale) dark grey.									. 1
	-04.0		Claystone - Sittstone (Shale) dark giey.									
	,											
4,												
•												
											N.	
i							20					
1.0	2' 0.0		Greywache; medium to dark grey, fine grained with interbedded dark claystone.									
											1	
					•				<b>{</b>			
	1				n na Aire (de Maria de Aire							
		BOTTON										
		1, 14.5										
								Maria Partija				
	3											is No. 1
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		!						£ 1			1	

PROJECT LEHIGH CEMENT

# D. D. HOLE No. DDH-36-74

LOCATION UTM GRID 53812200	)_MN
340600	ME
HOLE STARTED Sept. 8, 1974	
HOLE COMPLETED Sept.10,1974	**************
CORE RECOVERY	100 %
DRILLED BY Eastern Exploration	Services

COLLAR,	LAT.	······································	 ************	
	DEP.			
	ELEV.			
	AZIMUTH			
•	DIP		 	
LENGTH_	A		 ·	
	J			

	TAGE	DESCRIPTION		· SAW	PLING				
FROM	- 10	DESCRIPTION	SPL NO.	FROM	то	FEET			
0.0	10.0	Overbruden							
10.0	13.0	Humber Arm.							
13.0	67.0	Dark grey greywacke, clasts, Otlimy mudstone, argillite, fine grain size, homogenous matrix frequently limy, local elongate black argillaceous clast up to 4" long, salt and pepper colour, sporadic black argillite lenses or beds up to 8" wide							
		pepper colour, sporadic black argillite lenses or beds up to 8" wide.	<b>~</b>						
67.0	85.0						·		
		Dark grey argillite; graptolites, ostracods sporadic thro	1-						
85.0	99.2"	Dark grey greywache as before but has a laminated appearant due to slight colour diff. local conc. white clasts - spec	nce kled app	earance					

HOLE NO. 36-74
SHEET NO. -2-

#### PROPERTY PORT AU PORT

SAMPLING FOOTAGE DESCRIPTION SPL NO. TO FEET FROM Dk. grey argillite with graptolites sporadic. 105.3" 99.2" Dk. grey greywacke, med. grained, clasts most often quartz or argillite also 115.8" 105. 3" feldspar plus limy mudst.; interbedded with dark grey argillite; lbcally diffuse lamination due to bands of inc. argillite fragments in greywacke; sporadic calcite veins. Dark grey argillite with graptolites; finely laminated. 115.8" 118.0" Dark grey greywacke; med. grained clasts; quartz plus argillite with lesser feldspar and limy mudtsone 118.0 146.4" Homog. in general but locally larger argillites and higher argillite diffuse lamination, matrix limy, calcite veins sporadic. Dark grey argillite interbedded with dk. gr. greywacke, med. grained. 152.3" 146.4" park grey greywacke, med. grained, diffusely laminated. 165.0" 152.3<sup>n</sup> Dk. grey argillite with rare graptolites and finely diss. pyrite ( + calcite) in veins. 171.9" 165.0" Dk. grey greywacke as above, med. grained with dark grey argillite interbeds 184.2" 171.9" up to 4" wide, calcite veining. Dark grey argillite. 186,2" 184.2" Dark grey greywacke, med. grained as above with dark grey argillize interbeds 208.3" 186.2" up to 5" across, locally fine calcite veining. Dark grey argillite locally coarsening to fine grey greywacke. 213.9" 208.3" Dark grey greywacke, grain size from fine to coarse, grading into dark grey argillite 234.6" 213.9" interbeds; fine calcite veins in true greywacke.

HOLE NO. 36-74

PORT AU PORT

FOOTAGE SAMPLING DESCRIPTION FROM SPL. NO. FROM FEET 243.6" 255.0" Dk. grey argillite grading to fine grained greywacke with interbeds of true greywacke up to 13" thick. 255.0" 260.0" Dk. grey greywacke, coarse grained, one lone limy clast 1.5" long (lens?) Pyrite plus calcite in vein. Dk. grey argillite grading to fine grained greywacke but 260.0" 267.0" with abrupt transition to zone below. Dk. grey greywacke, med. to fine grained with dk. grey argillite interbeds up to 8" across; local diffuse lamination and/or white clasts ( - speckled appearance) - sporadic calcite veins with 267.0" 293.0" fine pyrite. 293.0" 300.0" Dark grey argillite with greywacke interbeds (often white speckled) uo to 3" wide.