179-#527-# 7631

LONG LAC MINERAL EXPLORATION LIMITED

SUITE 1680 - 1050 WEST PENDER STREET VANCOUVER, B.C. V6E 357 [604] 685-0531

DRILLING REPORT

D.A. Claims, #1-#5, Gaspard Creek Area 26 Kilometres West of the Gang Ranch, B.C.

Clinton Mining Division

92 0/10

Latitude: 510 - 35'

Longitude: 1220 - 42'

Owner: Long Lac Mineral Exploration Ltd.

Operator: Long Lac Mineral Exploration Ltd.

R.S. Pegg, BA Sc., Long Lac Mineral Exploration Ltd. 1680 - 1050 West Pender St., Vancouver, B.C. V6E 3S7

Dec.1,1979

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(1) DA #1 - #2 Percussion Drill and Geochemical Plan	In Pocket
(2) DA #3 - #5 Percussion Drill and Geochemical Plan	In Pocket
Drill Logs	In Pocket

Introduction

The following report is on a Percussion Drill Program carried out on the D.A. Claims (79 units), Gaspard Creek area, Gang Ranch, B.C. This report was written by Rex Pegg under the supervision of Mr. John Hogan, P. Eng. for Long Lac Mineral Exploration Ltd.

Location

The claim group is situated approximately 26 kilometres west of the Gang Ranch, at latitude 519-35' and longitude 1229-42' on map 920/10, Edition 1 MCE, Series A 721.

Access

A dirt road, roughly paralleling Gaspard Creek, cuts through the claim area.

Previous Work

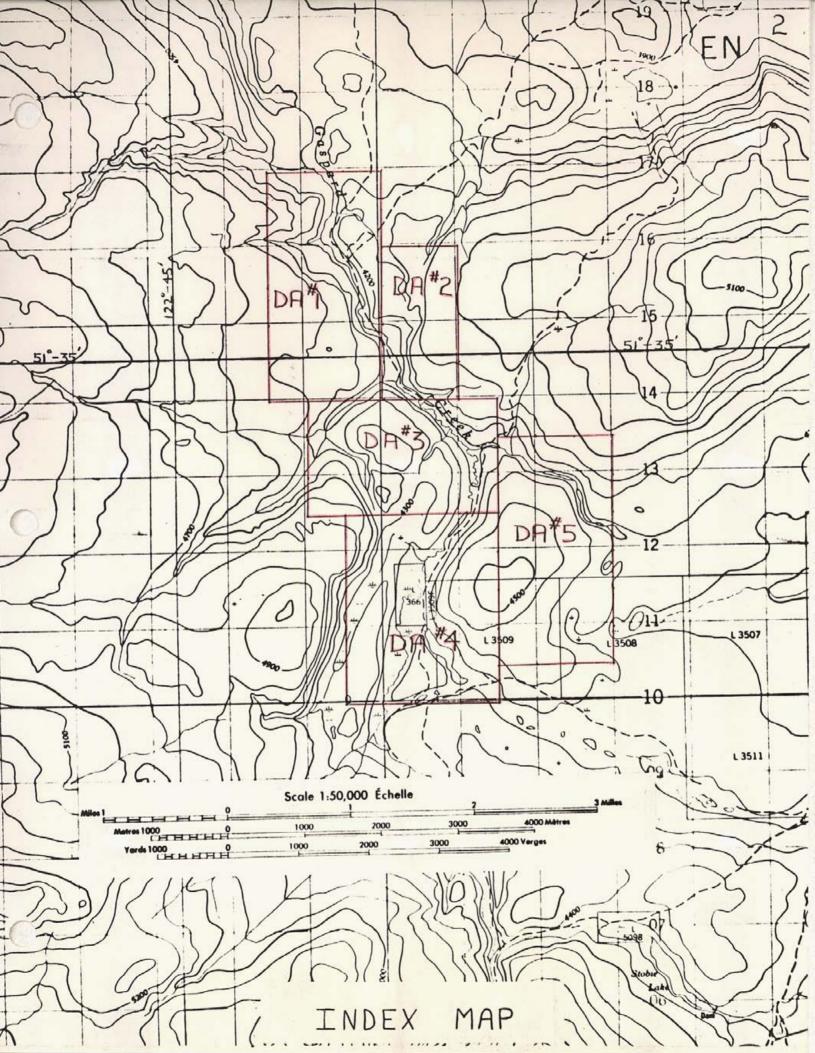
No previous work has been done on this claim area.

General Geology and Topography

The major portion of the claims is covered (according to the G.S.C. Open File 534) by Miocene/Pliocene basalt. A small area of Miocene sediments, to the north and overburden, to the west, are also found within the claim area. The basement rocks are Middle Jurassic gneissic granodiorite to the west and Late Cretaceous quartz monzonite to the east and north.

The topography appears not to be too "rough" with a maximum relief of 120 metres. The land slopes down, into the middle of each claim (Gaspard Creek) and the vegetaion consists of coniferous trees.

The target in this area is uranium mineralization in basal Miocene sediments.



Work Completed

During the period of June 19 to June 26, 1979 Mr. John Hogan, Alan Weston and the writer supervised a percussion drill program. This program consisted of six (6) percussion holes which were drilled to a total depth of 624.84 metres. In the DA#1 claim three percussion holes DA/1 (131.06 metres), DA/2 (70.10 metres) and DA/3 (131.06 metres) were drilled to a total depth of 332.22 metres. Percussion hole DA/4 was drilled, within the DA#2 claim, to a depth of 158.50 metres. In the DA#5 claim, the DA/5 percussion hole was drilled to a depth of 39.62 metres while in the DA#4 claim the DA/6 percussion hole went to a depth of 94.49 metres. Rock chips from the holes were checked with the McPhar TV-IA scintillometer.

Also during these period, sixteen silt samples were collected and analysed for gold and uranium. There were five samples from DA#1, three from DA#2, three silts from DA#3, four from DA#4 and one from DA#5.

Laboratory Analysis

Bondar-Clegg and Company Ltd. of North Vancouver completed the analysis of the samples. Analytical procedures are as follows:

Au – fire assay preconcentration – dissolution by aqua regia

bead analysed by atomic absorption

- U : 1) weighed on o.5 gm.
 - 2) digested in concentrated HNO3
 - 3) bulked to 20% acid concentration and homogenized
 - 4) allowed one hour settiing time
 - analyse by reflectance fluorimetry.
 - 6) permanently recorded on chart paper

Summary and Conclusions

The geochemical silt survey within the claim area revealed only background amounts of gold and uranium.

The percussion drill program indicated an overburden depth of 21.3 to (possibly) greater than 73.2 metres. Two of the holes (DA/2 and DA/5) were stopped in overburden due to the tightening of the casing and the sticking of the rods. Percussion hole DA/1 seemed to indicate the presence of a basal Miocene sandstone which is found over a depth of at least 76.2 metres while DA/3 revealed a sequence of basalt with minor sandstone interbeds over a depth of at least 57.9 metres. The two percussion holes to the south, DA/4 and DA/6, indicated the presence of andesite and dacite-andesite over depths of at least 137.2 and 70.1 metres, respectively. This thick andesitic sequence maybe Eocene in age.

Scintillometer work done on the rock chips from the percussion holes revealed only background radiation, so the major drill target in the claim area would be beneath the andesitic cover, to the south. It appears that this volcanic cover (Eocene?) is too thick to warrant, further, percussion and possibly diamond drilling.

Respectfully submitted.

REX S. PEGG, BASc.

Long Lac Mineral Exploration Ltd.

APPENDICES

Append or 1

Statement of Qualifications

: BASel, P. Luq. Mr. John Hogan

: BaSc. (University of Toronto, 1976) Mr. Rex Pegg

LONG LAC MINERAL EXPLORATION LTD. **1977-**1979

geological engineer in B.C. doing geochemical and geologic reconnaissance and detail work.

1976 Winter WILLROY MINES LTD.

> mine geologist at Willroy Mines, Manitouwadge, Ont. doing geological mapping, sampling, core logging, compilation and drafting.

UNITED KENO EXPLORATION LTD. 1976 Summer

geological party chief in the Mayo area, Yukon looking for base and precious metals using geological reconnaissance and geochemistry.

1975 Summer LITTLE LONG LAC MINES LTD.

geological assistant in the Bathurst Trench area, N.W.T. looking for uranium, gold and base metals using geophysics (scintillometers, Mag., E.M.) geological reconnaissance, staking and geochemical sampling.

1974 Summer MATTAGAMI LAKE MINES LTD.

> geological assistant in Ontario looking for base metals using geological mapping and geochemical sampling.

LITTLE LONG LAC MINES LTD. 1974 Winter

geophysics (V.L.F.) near Sturgeon Lake, Ont.

DOME EXPLORATION LTD. 1973 Summer

> geological assistant in B.C., Manitoba, Ont. and Quebec, looking for gold, base metals, using prospecting, trenching and geochemistry.

TOM GLEDHILL AND ASSOCIATES LTD. 1973 Winter

> geophysical operator in Ontario and Quebec. looking for base metals using mag., E.M. and I.P.

BARYMIN EXPLORATIONS LTO. 1972 Summer

geological assistant in Quebec, looking for base metals using geochemical sampling, some mapping and prospecting.

Page 2 of Appendix 1

1971 Summer CANADA TUNGSTEN MINES LTD.

geological assistant in the Yukon, N.W.T. and B.C. looking for tungsten using geochemical sampling (stream and rock), staking and U.V. lamping.

1969 Summer LEITCH GOLD MINES LTD.

geological assistant in Quebec, looking for base metals using geochemistry, geophysics (E.M.

and Mag.), line cutting and staking.

1968 Summer LEITCH GOLD MINES LTD.

geological assistant in Quebec, looking for base metals using geochemistry, geophysics (E.M. and Mag.), line cutting and staking.

Mr. A. Weston-Student - 2.5 years of geology at Douglas College, Surrey, B.C.

1978 Summer &9 LONG LAC MINERAL EXPLORATION LTD. geological assistant in B.C. doing geochemical sampling, geophysics (scint.), staking and line cutting.

APPENDIX 2

1)	Percussion	Drill Hole DA/1	June 19 - 20, 1979		
		depth = 131.06 metres = 430) feet		
	a)	0-300 feet at \$4.90/foot	=	\$1	,470.00
		300-430 feet at \$5.40/foot	=	\$	702.00
		Total drill cost	=	\$2	,172.00
	b)	Hourly charges			
		June 20 2 hrs. setting o	asing (\$75/hour)	\$	150.00
	c)	Company expenditures			
		R. Pegg (2 days - logging ar	nd supervision	\$	100.00
		at \$50/day) A. Weston (2 days - sampling \$29/day)	g at	\$	58.00
		J. Hogan (2 days - logging a at \$70/day)	and supervision	\$	140.00
		Total	\\		298.00
		Total for DA/1	=	\$2	,620.00
2,	Percussion	Drill Hole DA/2	June 21, 1979		
		depth = 36.58 metres = 120 1	eet		
	a }	Total drill cost (\$4.90/foot)	¥	\$	588.00
	b)	Hourly charges			
		June 21 2 hours setting ca	using (\$75/hour)	S	150.00
	c }	Company expenditures			
		R. Pegg (1 day - at \$50/day)		\$	50.00
		A. Weston (1 day)		\$	29.00
		J. Hogan (1 day)		\$	70.00
		Total	=	\$	149.00
		Total for DA/2	±	\$	887.00
3)	Percussion	Drill Hole DA/3	June 22, 1979		
		depth = 131.06 metres = 430) feet		
	a)	0-300 feet at \$4.90/foot	=	\$1	.470.00
		300-430 feet at \$5.40/foot	=	\$	702.00
				•	
		Total drill charges	=	\$2	,172.00

Appendix 2 continued

	b) Compan	y expenditures		
	R. Peg	g (o.75 days)	=	\$ 37.50
	A. Wes	ton (o.75 days)	=	\$ 21.75
	_	an (o.75 days)	=	\$ 52.50
	Total Total for	DA/3	= =	\$111.75 \$2,283.75
4)	Transportation costs			
	on pro	perty (3.75 days at \$47/	day) =	\$176.25
	drill Total	rigs moving (4.5 hours a	t \$50/hour)	\$225.00 \$ 401.25
5)	Camp {3.75 days at \$	30/day)	=	\$112.50
6)	Geochemistry			
	5 silt samples			
	Prepar	ation 5 x \$0.45	=	\$ 2.25
	U	5 x \$2.90	=	\$ 14.50
	Au	5 x \$3.75	=	\$ 18.75
	Total		=	\$ 35.50
7)	Report (drafting, co	mpilation, writing and pr	rinting)	\$200.00
	Total exp	enditures on DA#1	=	\$6, 540.00

DA #2

1)	Percussion	Drill Hole DA/4		22 - 25, 1979
		depth - 158.50 metres = 520	reet	
	a)	0-300 feet at \$4.90/foot	=	\$1,470.00
		300-520 feet at \$5.40/foot	=	\$1,188.00
		Total drill cost	=	\$2,658.00
	b)	Hourly charges		
		June 22 3 hours setting casing	(\$75/hr.)	\$225.00
		June 23 5 hours extra labour (5	\$20/hr.)	\$100.00
		June 24 18 hours extra labour(\$2	20/hr.)	\$360.00
		June 25 1 hour pulling casing t	(\$75/hr.)	\$ 75.00
		Total hourly charges	=	\$760.00
	c)	Company expenditures		
		R. Pegg (2.35 days at \$50/day)	=	\$117.50
		A. Weston (2.35 days at \$29/day)	=	\$ 68.15
		J. Hogan (2.35 days at \$70/day)	=	\$164.50
		Total	=	\$350.15
		Total cost of DA/4	=	\$3,768.15
2)	Transporat	ion Costs		
		on property (2.35 days at \$47/day) =	\$110.45
		drill rigs moving (1.7 hrs. at \$50	O/hour)	\$ 85.00
		Total	=	\$195.45
3)	Сатр	(2.35 days at \$30/day)	=	\$ 70.50
4)	Geochemist	ry 3 silt samples		
		Preparation 3 x \$0.45	=	\$ 1.35
		U 3 x \$2.90	=	\$ 8.70
		Au 3 x \$3.75	=	\$ 11.25
		Total	=	\$ 21.30
5)	REport (di	rafting, compilation, writing and p	rinting)	\$100.00
		Total expenditures on DA#2	=	\$4,155.40

DA #3

1)	Geochemistry	3 sil	ts.		
		Preparation	3 x \$0.45	=	\$1,35
		U	3 x \$2.90	=	\$8.70
		Au	3 x \$3.75	=	\$11.25
	To	tal		=	# 21.30
2)	Moving Casts				
		0.8 hrs. at	\$50.00/hr.	=	\$40.00
3)	Report (drafting	compilation,	writing and pr	inting)	\$50.00
	_	_			* 111. *
	To	tal expenditur	es on DA#3	=	\$111.30

0A_#4

1)	Percussion Orill	Hole DA/6 June 26	, 1979					
	Depth = 94	.49 metres = 310 feet						
	a)	a) 0-300 feet at \$4.90/feet =						
		300-310 feet at \$5.40/foot	=	\$ 54.00				
	Total dril	l cost	=	\$1,524.00				
	b)	Hourly charges						
		June 26 2 hrs. setting casin (\$75/hr.)	ng =	\$150.00				
		2 hours pulling casi (\$75/hr.)	ing =	\$150.00				
	Total hou	inly charges	=	\$300.00				
	c)	Company expenditures						
		R. Pegg (1 day)	=	\$ 50.00				
		A. Weston (1 day)	=	\$ 29.00				
	Total	J. Hogan (1 day)	÷ =	\$ 70.00 \$1 4 9.00				
		it of DA/6	- =	1,973.00				
				•				
2)	Transportation (rty (1 day at \$47/day)	=	\$47.00				
		as moving (1.7 hrs. at \$50/hr.	. =	\$85.00				
	Total	•	=	\$132.00				
3)	Camp (1 day at 5	30/day)	=	\$ 30.00				
4)	Geochemistry	4 silt samples						
	Preparat	ion 4 x \$0.45	=	\$ 1.80				
	U	4 × \$2.90	=	\$11.60				
	Au	4 x \$3.75	=	\$15.00				
	Total		=	\$28,40				
5)	Report (drafting	g, compilation, writing and pa	rinting)	\$100.00				
	Total ex	penditure on DA#4	=	\$2,263.40				

1)	Percussion Ori Depth = :	11 Hole DA/5 39.62 metres :	- 130 feet	June	25, 1979
	a)	0-130 feet a	t \$4.90/foot	=	\$637.00
		Total drill	cost	ā	\$637.00
	b)	Hourly charg	jes		
		June 25 3 h (\$75/hr	nrs, setting casing	g =	\$225.00
		Total hourly	/ charges	=	\$225.00
	c)	Сотралу ехра	enditures		
		R. Pegg (0.9	0 days)	=	\$ 45.00
		A. Weston (C).90 days)	=	\$ 26.10
		J. Hogan (O.	90 days)	=	\$ 63.00
		Total		=	\$134.10
		Total cost o	of DA/5	=	\$996.10
2)	Transportation	costs			
		on property	(0.90 days at \$47/	/day)	\$42.30
		moving drill (\$50/hr	rigs (1.8 hrs. at	: =	\$ 90.00
		Total		=	\$132.30
3)	Camp costs (0.9	00 days at \$ 30	/day)	Ξ	\$27.00
4)	Geochemistry	l silt	sample		
		Preparation	1 x \$0.45	=	\$ 0.45
	,	U	1 x \$2.90		\$ 2.90
	1	Au	1 x \$3.75	=	\$ 3.75
	•	Total		=	\$ 7.10
5)	REport (drafting	, compilation	, writing and prin	iting)	\$100.00
		Total expend	itures on DA#5	-	\$1,262.50

0.0 - 6.1

6.1 - 9.1

GEOLOG -MALE HOMER DA/1 Casing (to 18.3 metres) Elevation: 1229 metres metres 9.1 - 12.212.2 - 15.2 salt

15.2 -18.3 18.3 -21.3	");))	; brow	wn sand	dy (coars	e) ;gra ;	nodion	ited	başal	t.and	L white	e fel -	dspat	hic (si chip		,amygd	aloida	al)ch	ips;	fine p	yrite	specks	in basalt
21.3 -24.4 24.4 -27.4	. "		; "		(mediu		stly b							ps_with		hemati	te (a	fter	pyri	te)			
27.4 -30.5 _30.5 -33.5 _33.5 -36.6	_ <u>"</u> .		;ligh very ; "	t brown light	nish grey brownish	ı. grey. (increa	sing	_clay	()_: r	are_b	asali	and	or_intru .intrusi: . quartz	ye chip	S			-		. <u>—</u>		- · · · · · · · · · · · · · · · · · · ·
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42.7 -45.7	"_		; "			<u>-</u> .	Ш		" <u> </u>	ři .	"		"	"	hi			II	" .	П	- 11	11	
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GEOLOG -

DRILL HOLE OF OLOCIOL LOG

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0.0 - 24.4 metres, soft

; overburden (sand and boulders); casing

Elevation: 1222 metres

.15.2 - 24.4 metres, soft

; overburden (sand and gravel)

24.4 - 36.6 metres, soft

; overburden (sand and gravel); caving

END OF HOLE - casing tight at 24.4 metres and continually getting tighter with increased drilling.

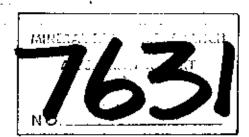
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DRILL HOLE GEOLOLOGIO LOGICALINA DA LA COMPANY LONG ESC MINERAL EXPLORATION MODERNYO DA LA COMPANY LONG ESC MINERAL EXPLOR

0.0	- 21.3 metres,	saft	; casing	Elevation: 1223 metres
21.3 24.4	- 24.4 metres, - 30.5 metres,	soft	; gravel; hit large basalt boulder at 21.3 metres (2.4 metres thick); , sandy, minor clay; quartz grains and basalt chips; brown	basalt chips; brownish grey
30.5	- 33.5 metres,	soft	; sandy ; quartz grains and basalt chips; brown	
33.5	- 48.8 metres.	soft	; sandy (a little coarser); quartz grains ; brown	
8.8	- 64.0 metres,	, soft	; sandy to the program is the same of the	
64.0	- 73.2 metres,	soft		}, rose quartz and light tan feldspar s
73.2 -	100.6 metres,	harder	; sandy ; quartz grains, Tack of rose quartz and inc	rease în black basalt
100.6-	il8.9 metres,	hard and soft (50:50) boulders (?) on more indura	;sandy	er increasein black basalt
118.9-	125.0 metres,	hard	; sandy ; quartz grains, lack of rose quartz and gre	ater increase in black basalt
125.0-	129.5 metres,	medium hard	; sandy ; quartz grains, lack of rose quartz and gre	ater increase in black basalt.
129.5-	131.1 metres,	hard	; sandy ; quartz_grains, lack_of_rose quartz and gre	ater increase in black basait
		hard		ater increase in black ba





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COMPANY LONG LISC MINERAL EXECUTATION L. PROPERTY: DA. L. L. L. L. L. R. Pegg. L. J. June 23/79, 1041 11

0.0	-	9.1 metres,	soft	; casing	Elevation: 1227 metres
9.1	-	21.3 metres	soft; brown	; gravel	
21.3	-	24.4 metres.	hard .	; numerous dark and light green chips; Andesite (white felds	and the same
				; humerous dank and light green chips; Andesite (White feld	altered Andesite
27.4	-	36.6 metres,	hard	;-numerous dark-and-light-green chips; Andesite (white feld	spar phenocrysts) and light green _altered Andesite, minor carbonate
36.€	-	39.6 metres,	hard (smaller chips)	; numerous dark and light green chips: Andesite (white feld	spar phenocrysts) and light green altered Andesite, minor carbonate
39.6	-	79.2 metres.		-; numerous-dark and light-green-chips:-Andesite-(white feld	spar phenocrysts) and light greenaltered Ande site, minor carbonate
79.2	-	82.3 metres,	hard (last 0.9 metres soft-white	water);numerous dark and light green chips; Andesite (white	feldspan phenocrysts) and light green altered Andesite, minor carbonate
82.3	-	158.5 metres,		; numerous dark and light green-chips; Andesite-(white feld	
					- · ·

END OF HOLE

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Ren Regge

0.0 -39.6 metres, soft; overburden (sand and gravel)

Elevation: 1254 metres

at 27.4 - 30.5 metres, boulders at 29.0 metres hole making water

at 0.0 - 36.6 metres, casing

at 33.5 -36.6 metres casing cut off water inflow

END OF HOLE - at 39.6 metres because casing very tight and rods sticking.

MINIBAL OF STATICH

DRILL HOLE GUOL OCTO LOS PEGG CONTANT LORGICIONE PROPERTY: DA CONTANT LORGICIO ENCLUSIONE LA PLORGICIONE DE CONTANT LORGICIO ENCLUSIONE LA PLORGICIO DE CONTANT LORGICIO DE CONTANT LORGIC

0.0-24.4 metres casing	Elevation: 1254 metres
12.2-15.2 metres, soft	: brown gravel
15.2-24.4 metres, soft	; grey gravel
24.4-27.4 metres, hard	; purple andesité for about 1.5 metres them into green porphyritic andesite:
27.4-30.5 metres, hard	, green andesite
30.5-33.5 metres, hard	; green andesite and a narrow sequence of purple andesite
33.5-42.7 metres, hard	; green andesite, minor carbonate and pyrite
42.7-45.7 metres; hard	; green -andesite, -minor- carbonate
45.7-48.8 metres, hard	; green andesite, minor carbonate and purple andesite
48.6-57.9 metres, hard	; green andesite, minor carbonate
57.9-61.0 metres, hard	; green andesite
61.0-67.1 metres, hard	; light green dacite-andesite chips predominate with lesser green andesite
57.1-70.1 metres, hard	; first 2.1 metres, water reddish brown; only a few brown chips but rest same as above.
70.1-76.2 metres, hard	; brownish water; an few brown (reddish)-andesite chips-but mostly-green and light green -
76.2-79.2 metres, hard	; slight brownish water; a few brown (reddish) andesite chips but mostly green and light green
79.2-82.3 metres, hard	; slight brownish water and light grey; same as above
82.3-85.3 metres, hard	; brown water : Sisame as above MINERAL DEST
35.3-88.4 metres, hard	:.slight brown, mostly light grey : same as above
38.4-91.4 metres , hard	; brown then light grey, then greyish brown water; same as above
91.4-94.5 metres , hard	; light grey water ; Same as above ; Same as above
· -	FND OF HOLE - casing very tight

