

# REPORT ON THE DRILLING PROGRAM ON THE QUILL CLAIM GROUP

SKEENA MINING DIVISION NTS 104B/7,8

56 deg. 25' N 130 deg. 32' W

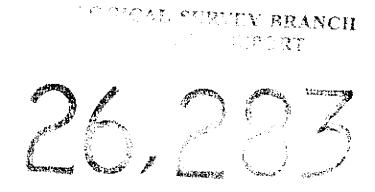
Owner: A. St James

Operator: Petra Resource Corp

Period of work: 29 July-12 Aug, 1999.

Report prepared by : Allan St. James from data supplied by Petra Resources Corp. May 25, 2000.

Submitted for assessment on July 29th, 2000



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#### INTRODUCTION

This report presents results of a small drill program to explore a zone containing gold-bearing quartz veins on the Quill Claim, in NW British Columbia. The work was completed between July 29<sup>th</sup> and August 12, 1999.

### Property location, access, and definition

The Quill Property lies within the Skeena Mining Division of Northern British Columbia, about 24 km South of the Eskay Creek Mine, and 65 km NW of the town of Stewart (fig 1). Located at the NE end of McQuillan Ridge, between the Unuk and South Unuk Rivers, the claims(fig 2) lie between about 900 and 1700m elevation, mostly above the treeline. They are covered by NTS topographic sheet 104B/7 at 1:50,000 scale.

Access is by helicopter, from Camp km 45 (24km N) of Homestake Canada Inc, or from the highway maintenance camp at Bob Quinn Lake (65 km NE), or from Stewart (65 km SE), or from the Snip Mine strip at Bronson Creek (35 km NW), as shown on fig 1.

The property consists of 2 claim groups, totaling 38 units, as noted in table 1, and shown on fig 2.

Table 1 Quill Property claims

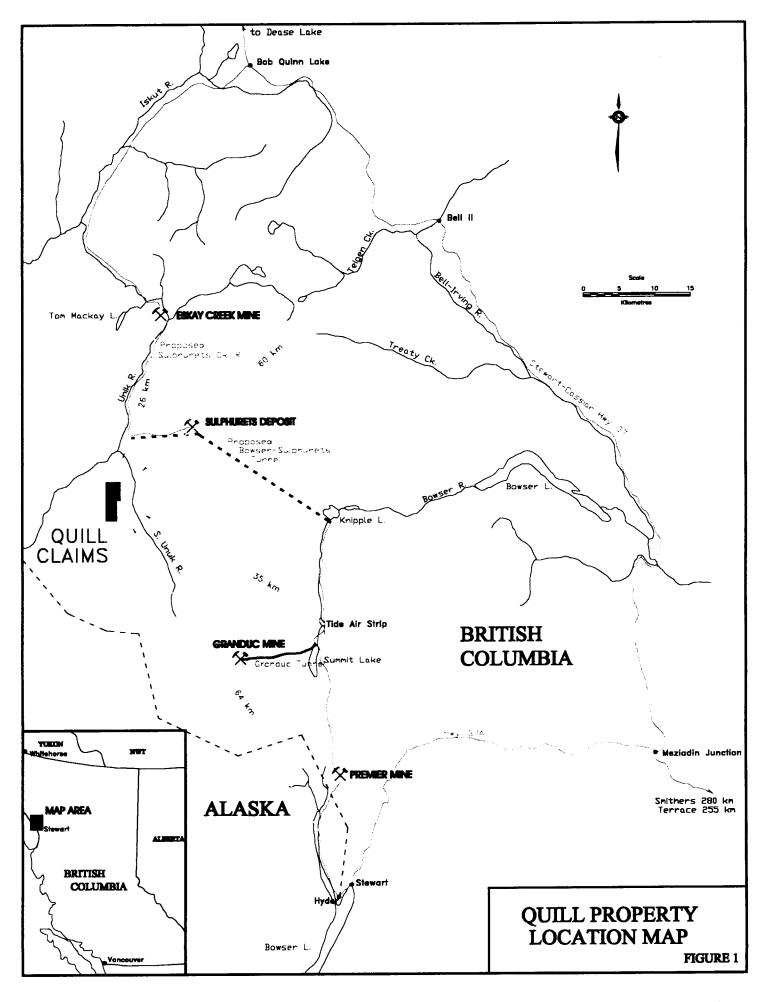
Claim name	Number	No of units	Expiry date	Owner
Quill	337650	20	-	A. St. James
MR	339222	18		A. St. James

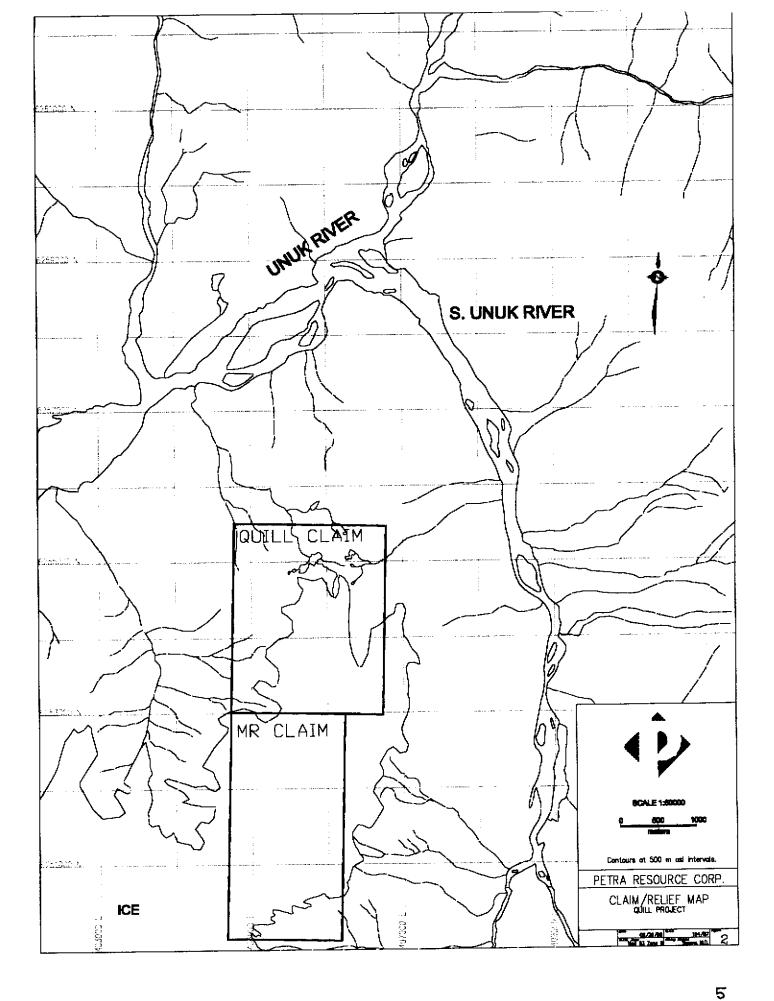
#### Previous work

The drilling program reported here focussed on one specific area near the centre of the Quill claim, originally called the "Golden Jade showing", and later referred to as the "Q-zone". Summaries of previous exploration in the general region, and on other parts covered by the present Quill property can be found in reports by Britton and others(1990), Curtis and others(1991), Adams (1995), and St. James (1998).

The Golden Jade "showing" was discovered in 1990 by Pamicon Developments Inc. on ground then owned by the South Unuk Gold Corp (Curtis and others ,1991). Pamicon located float blocks of quartz with weak to massive pyrite and chalcopyrite, and 4 assayed samples contained from 0.286 to 1.312 oz/t Au, 0.03 to 1.08 oz/t Ag and 1.83 to 6.47 % Cu. The source was not found, but was thought to be nearby because of the angularity of the blocks.

In 1995 A. St James prospected the Golden Jade area and collected 4 float samples that contained from 0.605 to 1.868 oz/t Au, 0.15 to 1.34 oz/t Ag, and 0.02 to 6.33 % Cu ( St.James(1995); Adams (1995)). The area where the float





was most common was renamed the "Q-zone", but as with Pamicon no in-situ source was found.

In 1998, Adams (1999) set out a grid over an area of about 500 by 1000m covering part of the Quill claim, and carried out mag and VLF-EM surveys, and geological mapping and prospecting on the grid area (Adams,1999). Adams found further mineralized quartz float in the Q-Zone, 2 assayed samples giving 65 ppb and 102.0 g/t Au, 36.5 and 425 g/t Ag, 0.39 and 5.32% Cu, and one of the samples also contained 2.0% Pb and 3.0% Zn. Again no source was found, but snow-cover hindered the search for in-situ sources up-hill.

In August of 1998, when more snow had melted from the gridded area surveyed and mapped by Adams, the property was briefly examined by M.S. Vaskovic for Homestake Canada Inc. A total of 18 analyses were done by Homestake, including some on samples of float from the Q-zone, and also from 2 small quartz veins found up-slope from the float area. One sample of quartz float from the Q-Zone contained 30.01g/t Au and 7.2 g/t Ag, and grab samples of the 2 newly discovered veins yielded 34.12g/t Au and 24.91 g/t Au, and 3 and 18.4 g/t Ag respectively. These gold-bearing quartz veins consist of quartz with variable pyrite and chalcopyrite, and are essentially similar to the gold-bearing pyrite-chalcopyrite quartz float found downslope in the Q-Zone.

#### Objective of the current program

There are some similarities of geological setting between the Quill mineralization and that at the Snip Mine, where auriferous quartz vein occur in sheared sediments, and it was thought there may be some potential for Snipstyle mineralization at Quill. The objective of the drilling reported here was therefore to explore for a gold-bearing vein or veins in the vicinity of the auriferous quartz found as float and as small veins in the Q-zone. Poor exposure and snow cover at Quill require drilling to explore for such a target.

#### **WORK DONE**

#### Grid

Part of the grid set out by Adams in 1998 was re-picketed with new flagged wires wherever old pickets could be found in place. No attempt was made to correct the previous grid, only to relocate it. Most of the SW third of the grid from about 150 to 400 N and 400 to 700E, in the vicinity of the Q-zone, was re-established and provided sufficient control for mapping and drill-hole location.

#### Geology

The re-established part of the grid was briefly remapped geologically at a scale of 1:500 (see map 1). Snow cover hindered this work, outcrop areas changed significantly as new outcrops continued to appear due to melting through to the end of the program, and future mapping when there may be more exposure could therefore lead to significant new information. For example,

several veins found by Homestake were still under snow cover at the end of the drill program on August 10.

#### Drilling

In an initial visit to the property by Petra Resouces Corp staff on July 16(1999) to determine if snow conditions might allow drilling to start, one of the 2 veins found by Homestake Canada (Map 1, about 617E 168N) was relocated and sampled. The attitude of this vein is 120/90 to 120/85 N, more or less parallel to a number of shears in hornfelsed green sediments near the contact with a diorite pluton. Drilling was therefore planned towards azimuth 210, approximately perpendicular to the trend of this gold-bearing vein, the shears, and the diorite contact in order to explore the 40 to 60m wide zone thought to have the greatest potential to contain a persistent gold-bearing structure.

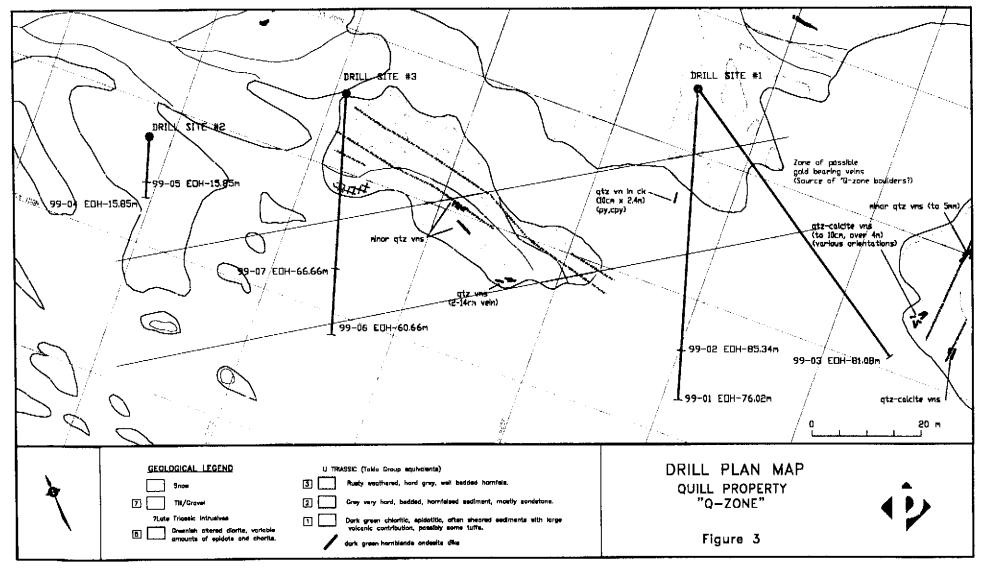
Seven holes were drilled from 3 sites, totaling 394.85 m( see fig. 3). Initial holes 1 and 2 were drilled between two gold-bearing quartz veins found by Homestake ( see map 1), sample 14193 with 34.1g/t Au, and 14195 with 24.9 g/t Au ( still snow-covered in early August of 1999). Hole 3 was originally planned to be drilled toward 210 from a site about 50 m further uphill (about 680E 240N) than holes 1 and 2. This was abandoned for logistical and geological reasons, however, and the area hole 3 was intended to explore was reached by redirecting the drill to 170 from site 1. Holes 4 and 5, from site 2 at 541E 169N, were abandoned due to the inability of the light-weight drill to penetrate hard, sheared and broken sediments. The drill was therefore relocated to site 3 for holes 6 and 7. A possible drill site at 475E 175N further down the valley had been selected in case encouraging results were obtained, but was never occupied.

**Table 2 Details of drill-holes** 

Hole #	Setup #	Grid E m	Grid N m	Elevation m ASL	Azimuth deg	Inclination -deg	Depth m
99-1	1	637	212	1470	210	45	76.02
99-2	1	U	44	и	210	60	85.34
99-3	1	0	11	н	170	45	81.08
99-4	2	541	169	1446	210	45	15.85
99-5	2	11	И	H	210	60	15.85
99-6	3	577	189	1448	210	45	60.05
99-7	3	11	ц	И	210	60	60.66

Note: Grid locations measured from averaged lines 525E and 200N (map 1) 394.85m Elevations from map by Adams (1999)

Drilling was carried out by Falcon Drilling Ltd of Prince George using a lightweight Falcon-built drill, producing ATW core. A crew of 4 drillers, a cook and a geologist travelled from Prince George to Bob Quinn Lake on 29 July, and



on 30 July, using the Eskay Mine road with permission of Homestake Canada Inc, the camp was mobilized from km 53 with a Northern Mtn Ltd Hughes 500 helicopter based at a camp at km 45. Drilling began on 1 August, was completed on 10 Aug, camp was demobilized on 11 Aug, and the crew returned to Prince George on 12 Aug. Some drill-core not needed for analysis was left in stacked numbered boxes at sites #1 and #2, while core for analysis and skeleton core was sent to Vancouver for sawing. Apart from the core, nothing was left on site. The campsite was inspected by BC Mines Branch on 24 Aug, and reclamation was reported to be satisfactory.

#### RESULTS

#### Geology

The geology and mineral deposits of the region have been described by Grove (1986), Curtis and others (1991). The most recent regional mapping in this area was by Britton and others (1989), and Britton and others (1990). The geology of the Quill claim is briefly described in MINFILE entry "104B 012 McQuillan". According to Britton and others (1989) the Q-zone quartz veins lie in Upper Triassic Stuhini Group sediments close to the contact with a diorite-qtz diorite pluton of probable Jurassic age, within the contact metamorphic aureole.

Units shown on the mapped grid area( Map 1) are briefly described below.

### Sediments (U Triassic Stuhini Group)

- 1 Grey to dark green, fine grained (1mm), hornfelsed sediment, often sheared, bedding rarely seen. May consist largely of volcanic detritus of andesitic composition, and some parts may even be tuffaceous. Can be magnetic, apparently due to disseminated magnetite, but rare pyrrhotite also noted. Epidote-chlorite-calcite alteration common, presumably due to the diorite intrusion. Epidote (5-10%) can be pervasive, also as veins, spots and clots (as large as 30x10 cm). Chlorite tends to be on fractures surfaces and as wispy dark green scraps in veins with quartz and calcite. Calcite occurs throughout as thin veinlets of random orientation that often weather recessively, usually 1-3mm wide but rarely to 2 cm, and also in quartz veins. Pyrite is also present throughout the unit in small amounts, often 1-3% but up to 6% over 10 cm, as fine-grained disseminations, and as streaks and small lenticles 1 to 2 cm long. Quartz is occasionally present as lensy veinlets, generally 1 to 3 cm thick but as large as 40 cm, with calcite, chlorite, epidote, and pyrite. Several quartz veins and also the quartz float in the "Q-Zone" also contain chalcopyrite, and small amounts of sphalerite, galena and tetrahedrite were noted in quartz float.
- 2 Mostly sandstone, feldspathic, hornfelsed, very hard. Bedding may be present, but other parts are massive, monotonous.
- 3 Rusty weathering (after weak pyrite), generally well-bedded mid to dark grey sediments, siltstone to sandstone, hornfelsed, hard. Probably better

regarded as a variant of unit 2, but separated here due to the distinctive rusty weathering. This area was previously described as a breccial but although breccia textures (possibly of sedimentary origin), are locally present their volume is small.

### Diorite (Jurassic Unuk River Diorite Suite)

- 4 Pale grey diorite, medium to fine grained (1-2mm). Weathers greywhite, and forms rounded outcrops.
- 5 Altered diorite, developed after unit 4 close to the contact. Pepper and salt texture, fairly equigranular with 60-70% feldspar, remainder mostly amphibole. Distinctive greenish-grey colour due to pervasive and vein alteration by epidote, chlorite and calcite. Alteration blurs the original igneous textures and the unit can easily be mistaken for unit 1 in places. In particular, the contact on the east side of the grid between unit 1 and 5 is not well-fixed.
  - 6 Fine grained, pale felsic quartz-diorite, late marginal dikes?

### Dikes (intrude sediments and diorite)

- A Pale beige felsic dike, soft, altered, possibly dacitic?
- B Homblende porphyry, coarse homblende to 2cm, andesitic?
- C Dark green altered (chloritic) andesite or fg diabase?

### Till /gravels

Recent gravels cover a significant part of the mapped area, and include morainal gravels with boulders to 2.5m, fluvioglacial gravels, and scree shed from steep bluffs. Variable snow cover also obscures much of the ground until July.

Prospecting of the grid area showed there were a number of quartz-calcite veins above the Q-Zone, but most are small and barren. One sample of quartz float from the Q-zone gave 89 g/t Au, another of a 14 cm quartz vein 42g/t Au, and a sample across the width of a new 10 cm quartz-pyrite-chalcopyrite vein contains 13.25 g/t Au (see map 1, table 3)

### **Drilling**

Figs 4 to 6 show drill sections, the logs are in appendix 3, analyses are listed in table 3. It appears that steep shears with quartz-calcite veins continue through the zone, but those encountered in drilling are dissapointingly low in Au, they are fairly thin, and individually they appear to lack continuity. The zone of shearing and veining in the brittle hornfelsed sediments close to the diorite contact does seem to have some continuity, but the limited drilling done offers no encouragement that it contains a single gold-bearing vein or a system of gold veins of economic interest.

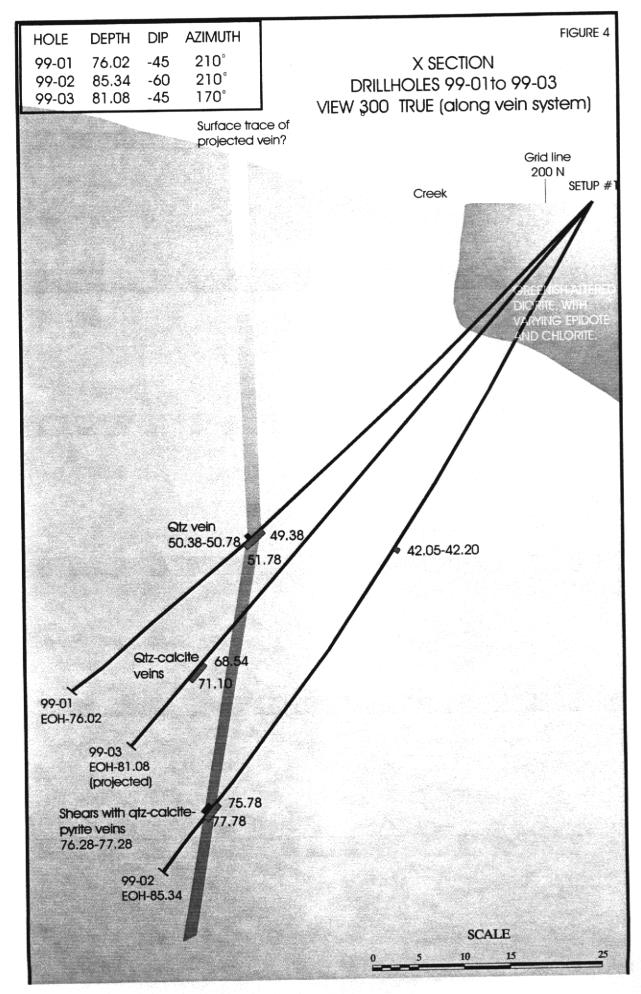
Table 3 ANALYTICAL RESULTS

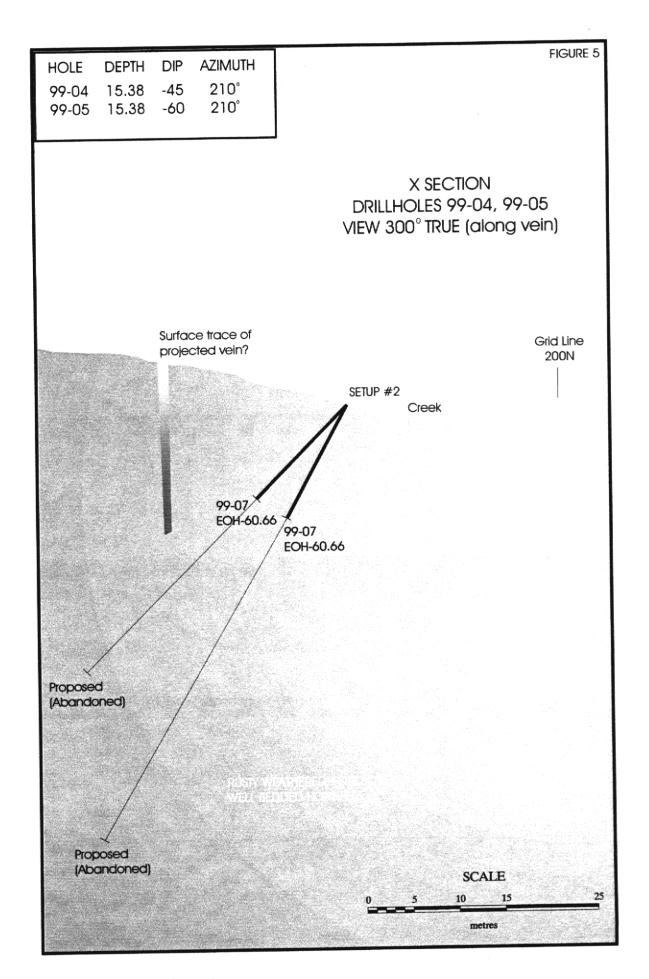
AB NO	FIELD NUMBER	DRIL	L INTERV	Œ.	Au (5)	Au (2)
		fiça	(metres)	to	blop	g/t
	DRILLEOLE# 99-1					
	DRILLHOLE# 99-1					
	DRILLHOLE# 99-1		.88 50			
	DRILLROLE# 99-1	50	.38 50	78	31	
	DRILLHOLE# 99-1					
	DRILLHOLE# 99-1					
908531	DRILLEOLE# 99-2	42.	05 42	. 20	21	
9908532	DRILLROLE# 99-2	75.	78 76	. 28	29	
9908533	DRILLHOLE# 99-2	76.	28 77	. 28	27	
9908534			28 77	. 78	34	
	DRILLHOLE# 99-3		54 69	.04	27	
9908536	DRILLHOLE# 99-3		04 69			
9908537		<b>59</b> .		.10		
9908538			10 70	. 60		<0.034
9908539	DRILLHOLE# 99-3	70.	60 71	.10	20	
908540	DRILLHOLE# 99-6	33,		. ВЗ	15	
9908541	DRILLBOLE# 99-6	34.		. B3		
908542	DRILLHOLE# 99-6		83 36	. 83	7	
908543	DRILLHOLE# 99-6	36.	83 37	. 83	9	
908544	DRILLHOLE# 99-6			. <b>83</b>	28	
9908545	DRILLHOLE# 99-6	38.	83 39	. 63	32	
908546	DRILLHOLE# 99-6		83 40	.83	120	
908547	DRILLHOLE# 99-6	40.	83 41	.83	39	
908548	DRILLHOLE# 99-6	41.	83 42	. 83	65	
908549	DRILLHOLE# 99-6	49.	86 50	. \$5	18	
	DRILLHOLE# 99-7	31.		. 60	11	
9908551	DRILLHOLE# 99-7			.60		0.103
908552	DRILLHOLE# 99-7	37.	50 38.	.50	13	
908553	DRILLHOLE# 99~7		50 39.	.50	13	
9908554	DRILLBOLE# 99~7	39.	50 40	50	11	
9908555	DRILLBOLE# 99-7	40.	50 43.	50	13	
908556	DRILLHOLE# 99-7		50 44.			
9908557	DRILLHOLE# 99~7	44.	50 45	50	16	
9908558	DRILLHOLE# 99~7	45.	50 46.	45	9	
9908559	DRILLHOLE# 99~7	51.	21 52.	21	32	
908560	DRILLHOLE# 99-7	52.	<b>21</b> 53.	30	13	
908561	PCL #1 Qtz-calcite	vein,	in place		31	
908562	PCL #2 Qtz-calcite	vein,	in place		17	
9908563	PCL #3 Qtz-calcite	vein,	in place			13.250
*****	PCL #4 Qtz-calcite					42.000

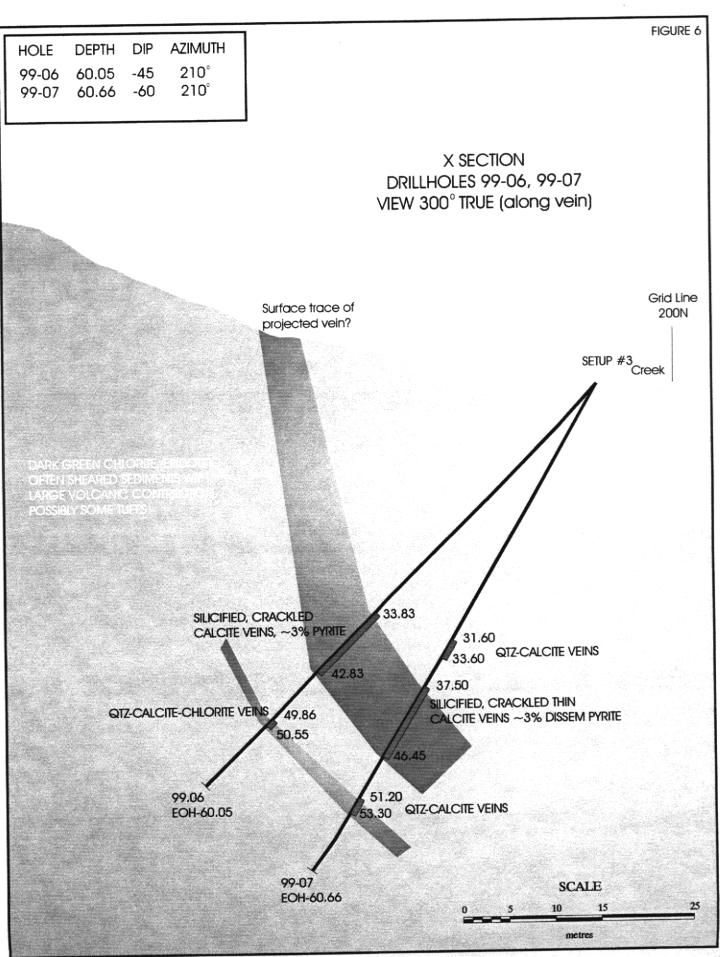
I=insufficient sample X=small sample R=exceeds calibration C=being checked R=revised If requested analyses are not shown, results are to follow

#### ANALYTICAL METRODS

- Au(5) Fire Assay, Lead Collection / AA Pinish (trace level) 20 gram
- Au(2) Fire Assay, Lead Collection / Gravimetric Finish (high grade) 1 A.T.







#### SUMMARY AND CONCLUSIONS

- 1 In the area covered by the Quill claims published regional mapping shows a Jurassic diorite pluton of the Unuk River Diorite Suite intrudes Upper Triassic Stuhini Group sediments. Gold-bearing quartz float has been known from the claims since 1990 in the area first called the "Golden Jade", and later the "Q-Zone". Veins that might be the source of this float were discovered by Homestake Canada Inc in 1998, within the contact metamorphic aureole of the diorite.
- 2 Re-sampling of quartz float, of one quartz vein discovered by Homestake, and of another found in the course of mapping, confirmed that there are quartz veins with significant gold contents in the area of the "Q-Zone", both as float and in situ. These veins are, however, of small size (10 to 15 cm thick) and appear to lense out within several metres. It appears that such veins could well be the source of the gold-bearing float in the "Q Zone". In 1990 Pamicon suggested a local source for this float because of the angularity of the blocks, and it could also be noted that the float is fairly common within a very restricted area, again suggesting a local source. In 1998 Homestake located several gold-bearing veins only about 50 to 80 m directly uphill from the Q-Zone float, fragments of which could have been transported downhill by stream action or by gravity into the float area. The veins and float also share mineralogical similarities. sometimes containing significant pyrite and chalcopyrite. Other evidence that strengthens this suggestion is that no quartz float like the Q-zone blocks was found during prospecting above about 100m uphill (above about 1490m elevation) from the Q-Zone float, although small barren quartz-calcite veins lacking sulphide are often present in situ in this area. From these several indications, it is concluded that the Q-zone float probably derives from the same lensy quartz veins that have been found on the hillside above, or similar veins nearby not yet discovered under snow or gravel cover.
- 3 It was thought possible that the zone of sheared, altered and brittle sediments that contains the gold-bearing quartz veins might contain a larger gold-bearing main vein, or continuous zone of veins, perhaps with some similarities to the deposit at the Snip Mine 35 km to the NW. A small drill program using a light- weight drill was therefore carried out on the zone within about 50 m of the contact to test this possibility.
- 4 Seven short holes were drilled, totalling 394.85m. Four were completed at their planned depths between 60.05m and 85.34m, and two were abandoned at 15.38m due to drilling problems. These holes explored an approximately 100 m length of the area containing the known quartz veins above the Q-Zone.

- **5** Although several quartz veins of narrow width (up to 40cm), and zones of quartz-calcite veining, silicification and shearing ,were encountered in drilling, no continuous vein or system of veins was found. As well, analysis showed all veins and zones of possible interest to contain low gold values. Most analyzed core intervals contain less than 120 ppb Au, with the highest 3 samples giving 0.24 g/t Au over 23cm, <0.34 g/t over 50cm, and 0.103 g/t Au over 1m. These values are well below the levels found in surface veins and float.
- 6 It is concluded that, although the area drilled is known to contain quartz veins with high gold levels, it is unlikely to contain a gold-bearing quartz vein with good continuity, or even a connected zone of veins, of any economic significance. It is most probable that undiscovered veins will resemble those found on surface, which are sporadic, thin and lense out within several metres.

#### RECOMMENDATIONS

Petra Resources did not recommend any further work on the Quill Project and dropped their option on the property. Any subsequent work should include a drill rig that is capable of penetrating the shear zones that may host the gold-quartz vein. One zone that should still be investigated is the breccia zone that outcrops in the area of high-grade float ( the Q-Zone).

# APPENDEX I

# STATEMENT OF COSTS MAJOR INVOICES

Trial Balance

Trial Balance as at NOVEMBER 30, 1999

Page: 1

Print Trial Balance from account [ ] to [zzzzzz]
for department [BCQUIL] to [BCQUIL]
for the YTD fiscal period ending [11]
with the report sorted by (Account ).
(Include) accounts with no activity.

Trial Balance

			T	rial Balance
Acct.	Dept.	Description	Debits	Credits
			-	
950	BCQUIL	DC/BC-QUILL	27.80	
3164	BCQUIL	ADMN/WRITE OFF MINERAL PROPERT		94,362.64
3320	BCQUIL	DRAFTING/SUPPLIES	0.00	
4103	BCQUIL	GEOLOGY/CONTRACTORS	12,625.00	
4120	BCQUIL	GEOLOGY/SUPPLIES	257.49	
4125	BCQUIL	GEOLOGY/DRAFTING, REPORTS	41.59	
4143	BCQUIL	GEOLOGY/HELICOPTER CHARTER	19,456.00	
4145	BCQUIL	GEOLOGY/FREIGHT, COURIER	25.92	
4146	BCQUIL	GEOLOGY/TRAVEL	890.00	
4150	BCQUIL	GEOLOGY/ACCOMMODATION	388.19	
4151	BCQUIL	GEOLOGY/FOOD	62.57	
4330	BCQUIL	GEOCHEMISTRY/ASSAYS	801.00	
5002	BCQUIL	DRILLING/CONTRACTORS	36,276.80	
5020	BCQUIL	DRILLING/SUPPLIES	90.20	
5034	BCQUIL	DRILLING/CAMP OPERATIONS	22,500.00	
5043	BCQUIL	DRILLING/HEICOPTER	443.90	
5046	BCOUIL	DRILLING/TRAVEL	293.40	
5050	BCQUIL	DRILLING/ACCOMMODATION	131.51	
5051	BCQUIL	DRILLING/FOOD	51.27	
			94,362.64	94,362.64
	Net ind	come for accounts listed		27.80
			***======	

<sup>19</sup> accounts printed.

Date: Nov 18 99 3:52pm

G/L Listing

#### General Ledger Listing as of NOVEMBER 30, 1999

Page: 1

G/L listing for account [ ] to [zzzzzz],

for department [BCQUIL] to [BCQUIL],

for fiscal period [1] to [11],

sorted by (Account ). (Include) accounts with no activity.

Printed in (Standard) format.

Last posting sequence number: 109

#### Acct. Dept.

Acct	. Dept.										
	Pd Srce	Date	Descrip	otion		Reference	Debits	Credits	Net Change	Balance	_
951	BCQUIL		DC/BC-(	DAIPT						27.80	*
316	BCQUIL		ADMN/W	RITE OF	F MINERAL PROPERT	·				0.00	
	9 GL- 0	Sep 30 99	WRITE (	OFF/QUI	LL PROPERTY	JE 9-6		94,334.84			
	9 GL- 0	Sep 30 99	WRITE (	OFF/QUI	LL PROPERTY	JE 9-6		27.80	94,362.64-	94,362.64	. *
3320	BCQUIL		DRAFTI)	NG/SUPP	LIES					0.00	•
410	BCQUIL		GEOLOGY	Y/CONTR	ACTORS					0.00	
	5 AP-IN	May 28 99	7 -	7 -	35 L. JOHN PETER	MAY/99	250.00		250.00	250.00	
	6 AP-IN	Jun 30 99	8 -	8 -	2 L. JOHN PETER	JUN/99	2,000.00		2,000.00	2,250.00	
	B AP-IN	Aug 24 99	19-	19-	6 MICRON GEOLOG	AUG/99	7,500.00				$\leftarrow$
	8 AP-IN	Aug 31 99	18-	18-	1 L. JOHN PETER	AUG/99	2,625.00		10,125.00	12,375.00	
	9 AP-IN	Sep 30 99	23-	23-	3 L. JOHN PETER	SEP/99	250.00		250.00	12,625.00	#
4120	BCQUIL		GEOLOGY	(/SUPPL	IES					0.00	
	9 AP-IN	Sep 20 99	22-	22-	14 PATHFINDER RE	99-81	257.49		257.49	257.49	•
4125	BCQUIL		GEOLOGY	/DRAFT	ING, REPORTS					0.00	
	7 AP-IN	<i>J</i> ul 31 99	16-	16-	5 DONALD G. WIL	EXRPT/JUL99	37.31		37.31	37.31	
	9 AP-IN	Sep 20 99	22-	22-	14 PATHFINDER RE	99-81	4.28		4.28	41.59	*
4143	BCQUIL		GEOLOGY	/HELIO	OPTER CHARTER					0.00	
	7 AP-IN	Jul 27 99	20-	20-	2 NORTHERN MOUN	12712	<del>1,242.9</del> 2		1,242.92	1,242.92	4
	8 AP-CN	Aug 31 99	21-	21-	3 NORTHERN MOUN	900740		1 <del>,242.9</del> 2			
	8 AP-IN	Aug 31 99	22-	22-	11 NORTHERN MOUN	13262	19,456.00		18,213.08	19,456.00	<del>-</del>
4145	BCQUIL		GEOLOGY	//FREIG	HT, COURIER					0.00	
	8 AP-IN	Aug 27 99	22-	22-	8 LOOMIS COURIE	EK0452 357	19.37		19.37	19.37	
	9 AP-IN	Sep 20 99	22-	22-	14 PATHFINDER RE	99-B1	6.55		6.55	25.92	*
4146	BCQUIL		GEOLOGY	/TRAVE	<b>L</b>					0.00	
	7 AP-IN	Jul 30 99	20-	20-	1 QUADRA CONSTR	2361	890.00		890.00	890.00	*
4150	BCQUIL		GEOLOGY	/ACCOM	MODATION					0.00	
	7 AP-IN	Jul 31 99	16-	16-	5 DONALD G. WIL	EXRPT/JUL99	388.19		388.19	388.19	•
4151	BCQUIL		GEOLOGY	/P00D						0.00	
<b>3-</b>		Jul 31 99			5 DONALD G. WIL	EXRPT/JUL99	62.57		62.57	62.57	•
4330	BCQUIL		GEOCHEM	ustry/	488AYS		**			0.00	
2000		Sep 01 99			1 COMINCO LTD.	V-0821	801.00		801.00	801.00	
										,	_

G/L Listing

Date: Nov 18 99

3:52pm

General Ledger Listing as of NOVEMBER 30, 1999

Page: 2

51.27

51.27 \*

	Dept.	Date	<u> </u>	Descri	ption		Reference	Debits	Credita	Net Change	Balance	<u>-</u>
5002	BCQVIL			DRILLI	NG/CON	TRACTORS					0.00	
	B AP-IN	Aug	13 9	9 19-	19-	4 FALCON DRILL	I 1	36,276.80		36,276.80	36,276.80	$\leftarrow$
5020	BCQUIL			DRILLI	NG/SVPI	PLIES					0.00	
	8 AP-IN	Aug	30 9	9 19-	19-	5 PETER LECOUT	E EXRPT/AUG99	90.20		90.20	90.20	*
5034	BCOUIL			DRILLI	NG/CAMI	P OPERATIONS					0.00	
	B AP-IN	Aug	13 9	9 19-	19-	4 FALCON DRILL	ıı ı	22,500.00		22,500.00	22,500.00	4
5043	BCQUIL			DRILLI	NG/HEIG	COPTER					0.00	
	7 AP-IN	Jul	30 9	9 20-	20-	3 NORTHERN MOU	IN 12979	10,919.94		10,919.94	10,919.94	
	B AP-CN	Aug	31 9	9 21-	21-	3 NORTHERN MOU	N 900740		1 <del>8,919.9</del> 4			
	8 AP-IN	Aug	13 9	9 19-	19-	4 FALCON DRILL	I 1	443.90		10,476.04-	443.90	*
5046	BCQUIL			DRILL1	ng/trai	VEL					0.00	
	8 AP-IN	Aug	30 9	9 19-	19-	5 PETER LECOUT	E EXRPT/AUG99	293.40		293.40	293.40	•
5050	BCQUIL			DRILLI	NG/ACC	OMMODATION					0.00	
	B AP-IN	Aug	13 9	9 19-	19-	4 FALCON DRILL	I 1	69.55				
	B AP-IN	Aug	30 9	9 19-	19-	5 PETER LECOUT	E EXRPT/AUG99	61.96		131.51	131.51	*
5051	BCQUIL			DRILLI	NG/FOOI	D					0.00	

51.27

106,497.70 106,525.50

8 AP-IN Aug 30 99 19- 19- 5 PETER LECOUTE EXRPT/AUG99

<sup>29</sup> transactions printed.

<sup>19</sup> accounts printed.

# INVOICE

DATE	NUMBER	G.S.T.#
1-Sep-99	V-0821	R101063576

TERMS	PAGE
UPON RECEIPT	1 of 1



RECU/RECEIVED

BILL TO:	REMIT TO:
PETRA RESOURCES ATTENTION: Peter LeCouteur #1550 - 409 Granville Street Vancouver, B.C. V6C 1T2	COMINCO LTD. Exploration Research Laboratory ATTENTION: Susie Woo 1486 East Pender Street Vancouver. B.C. V5L 1V8

E.R.L. JOB NO.	CLIENT REF./1.D.	JOB COST \$	G.S.T. @ 7% \$	NET COST \$
<u> </u>				
V990504R	QUILL	21.50	1.51	23.01
V990514R	QUILL 2	21.50	1.51	23.01
V990585R	99-1.2,3,6,7	758.00	53.06	811.06
	23.5m (S)	141		
<del></del>		SUBTOTAL	TOTAL G.S.T.	YAMT PAYABLE Y
		801.00	56.08	\$ 857.08

B (25/2

100

P.LeCouteur,
Micron Geological Ltd
4900 Skyline Dr, Nth Vancouver,
BC, Canada, V7R 3J3

D. Willoughby,

August 24, 1999

President, Petra Resources Corp, 1550- 409 Granville St, Vancouver, BC, Canada, V6C 1T2

Aug (GC

Dear Sir.

Please accept this invoice for geological work on Petra's "Quill" property in July and August.

- July 15 Travel Vancouver to Stewart
  - 16 Visit property, return to Vancouver
- July 28 Travel Vancouver to Prince George
  - 29 Travel PG to Bob Quinn Camp
  - 30 Travel to km 53 on Eskay Rd, mobilize by helicopter to drill camp
  - 31 Complete camp setup, layout drill site
  - 1 Start DDH 99-1
  - 2 Complete 99-1 @ 76.2m, start 99-2
  - 3 Complete 99-2 @ 85.34m, start 99-3
  - 4 Drilling 99-3
  - 5 Drilling 99-3
  - 6 Complete 99-3 @ 81.08m, move to 99-4
  - 7 Drill 99-4 to 15.85m, abandon, start 99-5, abandon @ 15.85m
  - 8 Move to 99-6
  - 9 Complete 99-6 @60.05m , start 99-7
  - 10 Complete 99-7 @ 60.66m
  - 11 Demobilize to km 53 by helicopter, travel to Terrace
  - 12 Travel to Prince George by truck, Vancouver by air



18 Saw core, samples in for analysis, office work



Total days= 20 @ \$375/day= \$7,500 GST @ 7% = \$ 525

Set 4103

Total = \$8,025

If the above is satisfactory please have a cheque made to Micron Geological Ltd for \$8,025. Thank you,

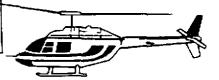
Peter LeCouteur,

President, Micron Geological Ltd

OK - Jw.

# Northern Mountain Helicopters Inc. 4 -09- 1999

Main Office: P.O. Box 368, Prince George, British Columbia, Canada V2L 4S2



Telephone (250) 963-1200 (250) 963-9015 Fax

CUSTOMER: PETRA RESOURCE CORP.

1550 - 409 GRANVILLE ST.

VANCOUVER, BC

V6C 1T2

INVOICE NO:

013262

INVOICE DATE:

08/31/1999

CUSTOMER NO:

**DPETRES** 

PO NO: REVISED INVOICE

DATE OF SERVICE	FLIGHT TICKET	REG. #	TYPE OF AIRCRAFT	DESCRIPTION	#	RATE	TRUOMA
08/31/1999	N	GRYT H	RUGHES 500D	WET - FLIGHT HOURS	25.6 HR	760.00	19,456.00





SUBTOTAL 19,456.00 TOTAL GST (#R120966635) 1,361.92 TOTAL DUE 20,817.92

\*\*\*\*\*\*\*\*\*\*\*\*PLEASE INDICATE YOUR CUSTOMER #

**DPETRES** 

ON YOUR PAYMENT\*\*\*\*\*\*\*\*\*\*

# Falcon Drilling Ltd.

P.O. Box 2520 3549 Opie Crescent Prince George, B.C., Canada V2N 2S6 Phone (250) 564-7786 Fax (250) 562-5937



INVOICE NO:

001

**DATE: August 13, 1999** 

To:

Petra Resource Corp. 1550 – 409 Granville Street

Vancouver, BC V6C 1T2

Ship To: Petra Resource Corp.

ATTENTION	REFERENCE	JOB NAME	JOB NUMBER	GST NUMBER	TERMS
Don Willoughby		Quill Property	3005	10173-3640 RT	On Receipt

DESCRIPTION		TOTAL
CAMP COST		\$ 22,500.00
DRILLING		36,276.80
HELICOPTER CHARGES		443.90
ROOM CHARGES		69.55 설명
	SUB TOTAL	59,290.25 ✓
	GST	4,150.00 <
	PST	0.00
	TOTAL DUE	\$ 63,440.25

Please make all cheques payable to: Falcon Drilling Ltd.

If you have any questions concerning this invoice, please contact Joan Kleinsteuber at (250) 564-7786

THANK YOU FOR YOUR BUSINESS!

# APPENDIX II

# STATEMENT OF AUTHOR'S QUALIFICATIONS

### STATEMENT OF QUALIFICATIONS

## I, ALLAN R. ST. JAMES, DO HEREBY CERTIFY THAT:

- I have been a resident of British Columbia since 1996.
- I am a graduate of Carleton University, Ottawa and obtained a B.Sc. degree in 1971.
- I have been employed as a geologist for approximately 24 years.
- I am the owner of the Quill Claims located in the Skeena Mining Division, British Columbia and have visited the property twice in 1995 and once in 1998.

June 28th, 2000.

(Allan R. St. James)

### STATEMENT OF LOGGER'S QUALIFICATIONS

- I, Peter C. LeCouteur of the District of North Vancouver, in the Province of British Columbia, do certify that:
- 1 I graduated from the University of Auckland(NZ) with degrees of B.Sc. (1964), and M.Sc. (1967), and from the University of British Columbia with a Ph. D. (1972)
- I have been a Fellow of the Geological Association of Canada since 1969, and a Professional Engineer of the Province of British Columbia since 1971.
- I have been a practising geologist in mineral exploration since 1973.
- I was responsible for the information contained in the logs for the Quill Property 1999 drilling program.

Phelouter

# APPENDIX III

DRILL LOGS

## Quill Project Hole No 99-\_\_\_\_\_ PETRA RESOURCE CORP Core stored at : Stl / Vacouver Contractor : Falcon Drilling Ltd Northing: 212 m Date started : 1 A U.G. 1999 Easting: 637 m Date completed : 3 Au & 1999 Elevation: 1470 m Casing length : 0.61 m Core size : ATW\_ Azimuth: 210° Dip: 45° Length: $76.0^{\circ}_{-}$ m Logged by: Pale Date: 1Aug - 3Aug Acid tube dip tests etch angle true dip depth 38.10 50 47.5 **OBJECTIVE OF HOLE** Locate gold bearing at a vein found an surface an eiter side of dail hale, determine attitude thickness, ande

SUMMARY LOG

RY LUG			
From	То	Int	Unit
m	m	m	
6	19.30	ા <u>૧</u> ,૩૦	5
1930	50.38	31.08	
50.38		0.40	OTZ VEIN
50.78	76.02	25.24	
50.78 76.02	EOH	76.02	
			* Refer to Compilation
			Map for Unit
	<u> </u>		1120 2011 1010

SIGNIFICANT ASSAYS

CANT ASS	AYS				T	Ic
From	То	Int	True int	Au	Ag	Cu
m	m	m	m	g/_ <u>\</u>	g/ t	%
						<del> </del>
					<u> </u>	
		<del> </del>				
<u> </u>		<u></u>				

PETRA RESC	JUI	RCE COF	RP.	Q	luill Proje	ect I	Hole No 9! Ite/Van	<u> </u>			
Contractor :	Falc	on Drilling	Ltd	C	ore store	ed at :\$	ite/Van	كيسب			
	Date started : Aug 3 1999 Date completed : Aug 4 1999						Northing: 212 m  Easting: 637 m  Elevation: 1470 m  Casing length:m in/out				
	pre size : <u>Ατω</u>										
Length: 85	34	_m	Azimuth	: 210°	_	Dip:_	62				
Acid tube dip te		etch anglet	rue dip 62 54		1	Logged b	oy: Pcl : Auc	3-+			
OBJECTIVE O	د ميا	ole bearing azinus	g gtz-co	nbenate 9-1 (45	rein it	ling had	le from:	sau_			
Fron	_	To	Int	Unit							
1,0,1   m		m	m								
0	-	17.0	ر <i>۲</i> ۰۰	5							
17:0		76.28	59.23								
76.7		77.78	1.50	Shear za	e in of	2 coloite	1 yeur				
77		85.34	7.55								
75.3		EOH'	85.54								
				<u> </u>							
SIGNIFICANT	AS	SAYS									
Fro	_	To	Int	True int	Au	Ag	Cu				
		m	m	m	g/ t	g/∴t	%				
<u> </u>						<u> </u>	<b></b> _				

•

PETRA R	ESOU	RCE CO	RP	C	Quill Proj	ect	Hole No
Contractor	; Falo	on Drilling	g Ltd	C	Core stor	ed at :_	Hole No えた 八
Date starte Date comp			999 999	E	Northing Easting Elevation	1: <u>       147</u>	<u>o_</u> m
Core size :	ATW	<u> </u>			_		m
Length: _	80.18	<u>_</u> m	Azimut	n: <u>170°</u>			<u>4</u> 5
Acid tube d	dip tests epth o	etch angle	true dip			Logged Date	by: <u>Pc</u> : <u>Aug</u>
	ocate v to ext	ole ein de end vein	eled from	some s	ctus o	as ho	18 99-11 14 15 5
OBJECTIVE SUMMAR	ocate v to exte Y LOG	OLE ein, du end vein	eled from	same s remide ca	etus e mentat	as ho	Se 99-1,
_	ocate v to ext	eir, dm end veir To m	Int m	Unit	etus e	as ho	Se 99-1,
_	ocate v to okto Y LOG From	ein, dm end vein	Int		etus e	as ho	Se 99-1,
_	Y LOG	eir, dm end veir To m	Int m	Unit	etus e	as ho	Sec. 99-1,
_	Y LOG	eir, dm end veir To m	Int m	Unit	etus e	as ho	180 99-1,
SUMMAR	Y LOG	eir, dr end veir	Int m	Unit	ctus e	as ho	
_	Y LOG	eir, dr end veir	Int m	Unit	Au	Ag	Cu
SUMMAR	Y LOG From M O'O	To m 81.08	Int m S(·OS	Unit 5			Cu
SUMMAR	Y LOG From M OOO	To m 81.08 SAYS	Int m Stos	Unit 5	Au	Ag	Cu

PETRA RESOURCE CORP	Quill Project Hole No 99-4
Contractor : Falcon Drilling Ltd	Core stored at : NOT KERT NOTICE
Date started : Aug 6,1899 Date completed: Fus 7,399	Northing: 169 m  Easting: 541 m  Elevation: 446 m
Core size : _ATW	Casing length:m in/out
Length: <u>- 85</u> m Azimuth	n: <u>210°</u> Dip : <u>45°</u>
Acid tube dip tests    depth   etch angle true dip     0	Logged by : <u>ਰਿਪ</u> Date : <u>ਮਹੁੰਤ ਤੇ ਜਿਸ</u> ਤ
OBJECTIVE OF HOLE	
The state of the s	were modified that they are
SUMMARY LOG	
From To Int	Unit

ti LOG		1-4	Unit
From	To	Int	OTH
m	m	m	
0	7.20	7.20	
7.20	10.67	3.47	B (dulal)
7:20	15.95	5.18	
	٤	15.85 -	
	<del>                                     </del>		

# SIGNIFICANT ASSAYS

From	To	Int	True int	<u>Au</u>	Ag	Cu
m	m	m	m	g/ t	g/ t	%
						<del> </del>
					<del></del>	<del></del> -
+			<del>                                     </del>		<del> </del>	
						<u> </u>

PETRA RI	ESOUR	CE COR	P	C	uill Proje	ct F	lole No 99- <u>5</u>	
Contractor	; Falco	on Drilling	Ltd				07 16617 1111 1111 1111 10 10 10 10 10 10 10 10	
Date started Date complicate Core size:			<u>399</u> 399	N E E	lorthing : asting : levation: Casing ler	169 541 1446 ngth:	_m m m m in/out	
Length:			Azimutl	n: _2:0°	_	<b>Dip</b> :		
Acid tube d	ip tests_	tch angletr	ue dip เลือง		l [	ogged b	y: <u>Pet</u> : <u>4, 6, 3, 1000</u> 0	
OBJECTIV	E OF HO	OLE		i kan je i sinak				
SUMMARY	/ LOG						<del></del> 7	
	From	То	<u>int</u>	Unit				
	m	m	m					
	Ó	12:19	12:19			1.00	(0)	
	12.19	14-30	211	Hornbler	de popula	m alle	_\	
	14:50	15-85	1.55			<u> </u>		
		ź	15.85					
-								
SIGNIFICA	ANT ASS	SAYS				<del></del>		
Γ	From	To	Int	True int		Ag	Cu	
	m	m	m	m	g/ t	g/ t	%	
<u> </u>								
<u> </u>								
-							<del>                                     </del>	
<u> </u>								
<u> </u>			-				<del>                                     </del>	
<u> </u>							<u> </u>	

PETRA F	ETRA RESOURCE CORP					Quill Project Hole No 99 - 6  Core stored at: Ste Na com				
Contractor	: Falc	con Drilling	Ltd		Core store	ed at :	ste/Van	كفيسيق		
Date starte Date comp Core size		AUG 8 AUG 9	<del></del>		Northing: Easting: Elevation Casing le	577 : 1448	m m m m	in/out		
			Azimuth	r: 210°		Dip :	45			
Length: _	00.03	_''''	/ <u>\</u>	,, <u>, , , , , , , , , , , , , , , , , ,</u>						
Acid tube	depth 6	etch anglet	45			Logged t Date	<b>οy</b> : <u>βας</u> : <u>βυ</u> σ	C <sub>i</sub>		
OBJECT	VE OF H	OLE	· 							
<u> </u>										
SUMMAR								·		
Γ	From	To	Int	Unit						
	m	m	m							
•	0.0	60.05	60·05	1						
	-									
SIGNIFIC	ANT AS	SAYS								
SIGNIFIC	From	To	Int	True in	Au	Ag	Cu			
	m	m	m	<u>m_</u>	∂g/∵t	g/ .t	%			
						<b></b>				
				<u> </u>	<u> </u>	<del> </del>	╅┤			
						<del> </del>	<del>                                     </del>			
				<del> </del>	<del> </del> -	<del> </del>	<del>   </del>			
	l			<u> </u>		<del> </del>	┿┈┈┤			

But a serie

PETRA F	ETRA RESOURCE CORP					ect	Hole	No 99	<u> </u>	
Contractor	r : Fal	con Drilling	Ltd	(	Quill Proje Core store	ed at :	dull	site/	New y	- رس
Date starte Date comp Core size	oleted : <u>/</u>	અ <u>હ ઉ</u> 596-10 )		<b>!</b> !	Northing: <u>189</u> m  Easting: <u>577</u> m  Elevation: <u>1448</u> m  Casing length: m in/out					
Length:			Azimuth	1: <u>210</u> 0	<del>_</del>	Dip : _	60			
Acid tube	dip tests					Logged I Date	<b>ру</b> :	PCL Aug	10	
OBJECT	VE OF H	OLE								
-										
SUMMAR	RY LOG									
ſ	From	То	Int	Unit				$\dashv$		
	m	m	m							
	0.0	60.(6/0	60.66							
SIGNIFIC	CANT AS	SAYS					Ic.			
	From	То	Int	True int	Au	Ag	Cu	%		
	m	m	m	m	g/ t	g/t		70		
	<u> </u>	<del> </del>	<del></del>	1		1	ı	ı		

# APPENDIX IV

**ANALYTICAL REPORTS** 

## FETRA RESOURCES-X99 Job V 990585R

99-1,2,3,6,7

Penort	Asta.	27	3. 11/7	1000	

LAB NO	FIELD NU	MBER	DRI	LL INTERV	AL	<b>Au</b> (5)	Au (2)
				(metres)			-
	DRILLHOLE#		23		.75		0.240
	DRILLHOLE#			.38 49			
	DRILLHOLE#		49		.38		
R9908528	DRILLHOLE#	99-1	50	.38 50	.78	31	
R9908529	DRILLHOLE#	99-1		78 51	.28	10	
R9908530	DRILLHOLE#	99-1			.78	41	
R9908531	DRILLHOLE#	99-2	42.	.05 42	.20	21	
R9908532	DRILLHOLE#	99-2	75.	.78 76	.28	29	
R9908533	DRILLHOLE#	99-2	76.	28 77	.28	27	
R9908534	DRILLHOLE#		77.	26 77	.78	34	
R9908535	DRILLHOLE#	99-3	68.	54 69	.04	27	
R9908536	DRILLHOLE#	99-3	69.	04 69	.54	12	
R9908537	DRILLHOLE#	99-3	69.	54 70	.10	18	
R9908538	DRILLHOLE#	99-3	70.	10 70	.60		<0.034
R9908539	DRILLHOLE#	99-3	70.	60 71	.10	20	
R9908540	DRILLHOLE#	99-6	33.	83 34	.83	15	
R9908541	DRILLHOLE#	99-6	34.	83 35	.83	24	
R9908542	DRILLHOLE#	99-6	35.	83 36	.83	7	
R9908543	DRILLHOLE#	99-6	36.	83 37	. 83	9	
R9908544	DRILLHOLE#	99-6	37.	83 38	.83	28	
R9908545	DRILLHOLE#	99-6	38.	83 39	.83	32	
R9908546	DRILLHOLE#	99-6	39.	83 40	.83	120	
R9908547	DRILLHOLE#	99-6	40.	83 41	. 83	39	
R9908548	DRILLHOLE#	99-6	41.	83 42	. 83	65	
R9908549	DRILLHOLE#	99-6	49.	86 50	. 55	18	
R9908550	DRILLHOLE#	99-7	31.	60 32	.60	11	
R9908551	DRILLHOLE#	99-7	32.	60 33	.60		0.103
R9908552	Drillhole#	99-7	37.	50 38	.50	13	
R9908553	DRILLHOLE#	99-7	38.	50 39	.50	13	
R9908554	DRILLHOLE#	99-7	39.	50 40	. 50	11	
R9908555	DRILLHOLE#	99-7	40.	50 43	.50	13	
R9908556	DRILLHOLE#	99-7	43.	50 44	.50	13	
R9908557	DRILLHOLE#	99-7	44.	50 45	.50	16	
R9908558	DRILLHOLE#	99-7	45.	50 46	.45	9	
R9908559	DRILLEOLE#	99-7	\$1.	21 52	.21	32	
R9908560	DRILLHOLE#	99-7	52.	21 53	.30	13	
R9908561	PCL #1					31	
R9908562	PCL #2					17	
R9908563	PCL #3						13.250
R9908564	PCL #4						42.000

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised If requested analyses are not shown, results are to follow

## ANALYTICAL METHODS

Au(5) Fire Assay, Lead Collection / AA Finish (trace level) 20 or 30 grams Au(2) Fire Assay, Lead Collection / Gravimetric Finish (high grade) 1 A.T.

Certified B.C. Assayer, Steve Clark
Cominco Exploration Research Lab

## PETRA RESOURCES-X99

Job V 99-0514R

QUILL 2

Report date 6 AUG 1999

LAB NO	FIELD NUMBER	Au(2) g/t	Ag (2) g/t
R9907373	QUILL FLOAT	89.315	18.8

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised If requested analyses are not shown , results are to follow

## ANALYTICAL METHODS

Au(2) Fire Assay, Lead Collection / Gravimetric Finish (high grade) 1 A.T. Ag(2) Acid decomposition / AAS

<del>_</del>	PETRA	RESO	URCE COF	₹P		Quill Project			HOL	E NC	): 99	) <u>1</u>		page	)f <u>4</u>
lock	Recovery	Recovery	Contacts, units	<u>-</u>	Min,structure	Description	Tag	From	То	Int		True In	Au	Ag g/ t	Cu %
m	m	%		М			#	m	m	m	%	m	g/ t	g/ t	76
52	1.67	70			0			-		ļ		<u> </u>		<del>                                     </del>	-
44_	0.90	98						<u> </u>		-	<del> </del> -				
<u></u> <u>5</u> 5	0.50	82			6 cm atz vn					1	<del> </del> -				<del> </del>
57	1.59	105		ļ	6 cm atz vn 90 to CAXIS @152m-158m	Epidate both		<u> </u>							<del> </del>
2.10 	1.48	97				reins. Con locally make up 80% of rock		_			<del> </del>	<del>                                     </del>	<del></del>	<del> </del>	<del> </del>
7.62	1.50	99	1		5	veins Con locally		-			<del>-</del>				
3.14	1.58	104	1			make up 80% of soil	<u> </u>								<u> </u>
s 67		101	[					<del>                                     </del>			<del>                                      </del>				+
2.19		99	5	1		Veins northy rondon		<u> </u>		<del> </del> -					
3.72	1.36	80	]	`		and Imm - 2mm	ļ	_	<del></del>		<del>                                     </del>				<b>T</b>
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8.29		97	_}	1			ļ			+	<del>-</del>				
9.81	1.22	80			. Ich ven oh		<del>                                     </del>	<del></del>	<del> </del>			-			
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28				<u> </u>	1cm ver of 912-calcite 203.85m 15 20° to CAris				<del>                                     </del>		-		<del> </del>		
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35		·	4	-	2cm atzvn 22.00	19.30-19.81 Hercanter 19.81-20:05 Sheared 320 ment/y	7C	<del>-</del>		<del> </del> -					_
<u> </u>		<u> </u>	ordentie ?	<u>d.</u>	2cm atz / 22.40 80 to CA 23.12 109 is atz-ca 24.17 true protes	indesitie?)	-	23.52	23.7	<del>-</del>					
b6.56			- June 1	1/4/	18 24:17 true promise	relies									
<u> 76. 10</u>	1.35		_  \	<b>니</b> —	- 25			_							

	PETRA	RESC	URCE COR	P		Quill Project	<u> </u>		HOL	E NO	): 99	) <u> </u>		page <u>2</u> o	
		Велен	Cantacta unita		Min,structure	Description	Tag	From	To	Int	Rec	True In	Au	Ag	Cu
		Recovery	Contacts, units	М	(MIII) SU UCTUIC		#	m	m	m	%	m	g/ t	g/ t	%
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<u>41:15</u>					-26-20m 2cm at 2 Vn 60 to CA	Greansh-agrey pale to do	K)								
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48-7		ļ	-     \$			epidate and has applale					1				
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56-30	<i>y</i>   ' '		4	1		Mosti is poolably						1			T
578)			<b>-</b>		36.84-37.20 - Eqt2+8/694 ver or shipped 2012	also codinents of volcani			<del>                                     </del>						
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67-6			- Contract	<b>;;=</b>	143 90 Bots CA	as fine dissemination	<del> </del>		<del> </del>						
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	5	Bassin	Cantasta unita		Min,structure	Description	Tag	From	To	int	Rec	True In	Au	Ag	Cu
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26.02 Ear P4

	PETRA	A RESO	URCE CO	RP	C	Quill Project			HOL	ENC	): 99	<b>)</b> \		page <u>4</u> c	yf ⊈
Block	Recovery	Recovery	Contacts,unit	S	Min,structure	Description	Tag	From	То	Int	Rec %	True Int	Au g/ t	Ag g/ t	Cu %
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					TARLE SALES	Description	Tag	From	To	Int	Rec	True in	Au	Ag	Cu
Block		Recovery	Contacts, unit	S   1.4	Min,structure	Description	#	m	m	m	%	m	g/ t	g/ t	%
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3.65	1-44		<u>]</u>	1.	1.4	Typical		-	<del></del>	1		† — — — · · ·			
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12:19	1.50				Some mosty. Joint. Swyrces.			<del> </del>		_	<u> </u>	<del> </del>	·		<b>†</b>
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36.(			· .		4.										
39.6			_		25			<u>्र</u> ्	<b></b>					<del>                                     </del>	<del> </del>
44.4		+	<del> </del>	*	<u> </u>			N 20							

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Block Recovery Reco		PETRA	A RESC	URCE COF	RP		Quill Project	<del></del>	_	HOL	ENC	): 9	9 2		page <u>2</u>	of <u>4</u>
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					Min,structure	Description	Tag	From	То	Int		True Int	Au	Ag	Cu %
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Nock	Recover	v Recovery	Contacts, units	<b>S</b>	Min,structure	Description	Tag	From	То	Int		True Int	Au g/ t	Ag g/ t	Cu %
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111		7,0		_	75	Zone of Shoarin with	Y	75.78	76.28	ha	1				
					76-28 · 77-78	200e of shearing with 9t2-calcute veins with mor <5%, pyulo		76-28	76.28 77.28 77.78	<u> </u>	W	19	_ <del></del>		
			1		16.00	pror <5% papelo		77.28	11.12	V. C	\\\-~				
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			1	<b> </b>	81.60 5 mm cala	axis varies 20-80°?	<u></u>								
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Disak			Contacts, units	Min,structure	Description	Tag	From	То	Int		True In	Au	Ag	Cu %
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3-05			<del> </del>	1.86-1.93						<u> </u>				
<u> 4.57</u>	1.48		1	Imm py own 186-193 109-corse lentin of pyrite to 2,	~				<u> </u>	<del>-</del>	_		<del> </del>	
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12.17	1.38		1	~/ wm	Exidate Heronghost 5-8%					<u> </u>		<u> </u>		<del> </del>
1372	1.20		-		5-8%		<u> </u>				<u></u>			
15.24	1.49		-\ . \	Lo.	<b>'</b>			<b>_</b>	_					<del>-</del>
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18.29	1.49		-	11 05 to CA				_	_		<del></del>			<del> </del>
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21 36 22:80		· · · · · · · · · · · · · · · · · · ·	1	10 contact ~ 80 11.05 the CA Bandof for oneen Seld? 14.80-84: 15.26 tem cal Vn 85 th								-	_	<del></del>
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24.39	1 1 53	<del>-</del>	1	15.26 4cm cal	ale		<u> </u>				<del></del>			<u> </u>
27-4		<del>                                     </del>	┪	16.10-63	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									+ -
28.9			╡	2 me of 3 mm co	il clevus								_	-
30.4	1.47		┥ !	30 to CA										_
32.01		<del>                                     </del>	┪	20						_				
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76.5	8 1.52		3mm	In 450	calate epidole : juj to CA 5 mm qt2 - calate vn 5°100 m ft2. calate - chilade vn 40 to		<u> </u>	-				<del> </del>		
38.1	0 1.52		3mm pyvn 3otoCA	23.26-23.6	5mm qt2 - calcile UN 5°101	A								<del></del>
33.6	2 1.43 5 1.52		─ 30 to CA	25 25	m gta. colute - ( House VA 40 to									
41.1	51-155		_1	1 cm py les	144.53									<u> </u>

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					Min of working	Description	Tag	From	To	Int	Rec	True In	Au	Ag	Cu
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44.2	0 146									<del> </del>	†				L
45.7	2 1.52			ł		Typical mixed		-			1				
47.2					19:92 Fran Calcate	m bruchly 5% epida and 1-3% pyride Epidale locally 15% over 10 cm		-		<del>                                     </del>					
487	7-		<u> </u>		29.90 icm calcute 50 to CA	usually 3/0 epida	<u> </u>								
50.29				1	30	and 1-3% pyride		<del> </del>	-	<del> </del>		†··			
518				د ا	31.15-31:55 2mn calated 5to Castusty	Emidate Greatly	<del></del>	<del></del> -		<del></del>	<u> </u>				
53.3	i v				5to CA strosty	15% over 10 cm		_	<del> </del>	_		-			
54.8			7					<del> </del>	<del> </del> -						
56-3				1					<del> </del>						
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59 4			¬ .	-			<u> </u>					_}		<del> </del>	1
60.9	7-1-		$\Box$				<u> </u>	<u> </u>	<del>-</del>	<del>                                     </del>	-		 1	<del>                                     </del>	
62.4	,			1			<u> </u>		<u> </u>	_					
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65.			<b>⊣</b>	1	140.10	2			<u> </u>				<u> </u>		
67.1			=		Ì		]						<u> </u>		<del> </del>
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74.	6 137		_		}										
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m	m	%									<u> </u>	<u> </u>			
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					5% py as Ima d	<u></u>	+	<del> </del>							
			2 cm pyrith laro.		52.37 Several cale 52.80 veing to 6 54.74 1cm at 2- 20° to ca	<u> </u>									
			1.0		52.80 veins to 6	Man		<del> </del>		1	<u> </u>				
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		1			155 20 to ca	Raks		-	<del> </del>	<del></del>	+				
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			1 - ,	1	Ben 50 to 4			\$ 69.0	4 69.	574			<del> </del>		
			2 une?.	<u> </u>	69.56-6	2.40 (Dto V	90th ->	69.5	470.	0			<del> </del>		
			<b>→</b>	3	THE CHECK	1.90 Oto V	No.	( 70.1	0 70	0					
			4		and open	reletery, for.		70%	0 71.	0					
			1	_	recore	de treton, four			<del>-   • • • •</del>						
			<u> </u>	ş	72.50 50 60	La VIII	-								
				<b>-</b>	- 73.50 5 mm Ca 20 to CA			-							
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					76.48 Numary calaxe 77.50 angles	the 25 mm		<u> </u>		<u> </u>	<del> </del>	<del>                                     </del>			+
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Block	Recovery	Recovery	Contacts, units	-	Min,structure	Description	Tag	From	To	Int		True In	Au	Ag	Cu
m	m	%		M			#	m	m	m	%	m	g/ t	g/∵t	%
1.52	6.48				۵	Green Sediments, mixed flore openied and coupe sundstane phoses Pour recovery, much m many musty fro drug					<u> </u>				·
3.05					"	fiene orsured and couse	<u></u>			ļ	<u> </u>	<u> </u>			
4.57			1	1		Soudstone Phases				<u> </u>	<del>                                     </del>	1			
6.10	0.90		1	İ		Pour recovery, much me	bble	-			ļ	-			
7.62	_		1 )			money nestry to charge	2		<del>-</del> .	_	<u> </u>			· - <del></del>	
9.14				<u> </u>	5	, , ,	<u></u>	<u> </u>	<del></del>		<del> </del>				
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12-19	حري. ا		70.	•			<del> </del>	<del> </del>	<u> </u>	-	<del> </del> -			<u> </u>	
13.12	0.05	ļ	7.20 Harnblende porphyn (ditte) B.			with homblande phenocrypts to 2 cm.	<u> </u>			+	-				
15-24	0.04	ļ	parphy	1		with homblande	ļ	_	<u> </u>	<del>                                     </del>					
15.8 <u>5</u>	0.17		(dille) b.		10	phenocrupes to 2 cm.		<del> </del>		<del>                                     </del>	+				
FOH			1	+-	-					-					
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			URCE COR					T =	T -	ln4	Doo	True in	Au	Ag	Çu
Block	Recovery	Recovery	Contacts, units		Min,structure	Description	Tag	From	To	Int m	wec	m	g/ t	g/ t	%
m	m	%		M			#	m	m	111	/0		9, ,	3	
1.52	0.45				0			<u> </u>		<del> </del>					
3.05	1:10				[	Very broken are pour		-		<del>-</del>	<del>                                     </del>	<del>                                     </del>			
4.57	0.55			[		recaien Homfelsed		<del> </del>	<u> </u>	<del> </del>	<del> </del>				
6.10	0.30			1		Very broken are pour recovery. Homfelsed ones sediment, fine-ox and sandy interruxed Many rusty fractures	re a	<del>                                     </del>		-	<u> </u>	<del>                                     </del>			
7:62		-	1 1			and sandy interruxed		<del> </del>		-	<del> </del>				
9.14	0.60		] [		5	Mary rusty (vacture				-	<del> </del>				
10.67	0.15			1						<del> </del>		-			
12-(9	1 —		1 .		•	test recovered frage of more durable of sorte phase in	with								
13.72	0.45		<del>-</del> '' '			are of wore durable		- ,		-	+				
15.24				ix		Sand stone please in		+	<u> </u>	<del> </del>	<del> </del>	<del>-</del>			
15.85				<u> </u>	. ,										
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			15.85	_	_	As above, broker, nul	<del>gey</del>	+	<del>                                     </del>	-					
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Block	Recovery	Recovery	Contacts, units		Min,structure	Description	Tag	From	То	Int		True In	Au	Ag g/ t	Cu %
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