

**SUMMARY REPORT ON
FIELD ACTIVITIES**

**April, 2004
SPIDER #1 PROJECT,
JAMES BAY LOWLANDS,
ONTARIO**

NTS 43B/13

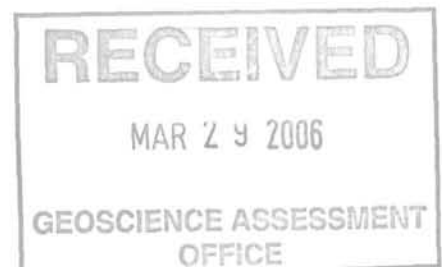
LOGS, SECTIONS AND RESULTS FOR HOLES

**SPQ-04-01
SPQ-04-02
SPQ-04-03
SPQ-04-04
SPQ-04-05
SPQ-04-06 (Part)**

2.31817

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SUMMARY

The following report presents a review of the field activities completed on the Spider #1 Project between April 5 and April 30, 2004. This involved diamond drilling of targets identified by a previously executed ground magnetometer survey. The drill hole logs, location maps, sections and diamond analysis results for holes SPQ-04-01 to SPQ-04-06 are included in the appendices.

The line cutting and ground geophysical survey was completed in August 2003 by Hussey Geophysics Inc. of Timmins. The results were interpreted by Scott Hogg and Associates, Ltd. who also selected some targets worthy of drilling (Munro, 2003). The drilling of these targets as well as other targets selected by Neil Novak and Roger Thomas were completed during April, 2004. During this time five complete holes and part of hole six were drilled for a total of 704 m. The field operations were under the supervision of Roger D. Thomas.

The results of the program are:

- Three new, distinct kimberlite bodies were discovered near the existing MacFadyen kimberlites and within eight kilometres of the De Beers Canada Inc. Victor Kimberlite Project.
- A new age of kimberlite was discovered. The exact age of this kimberlite is being determined by radiometric dating techniques.
- All of the new kimberlites were found to be diamondiferous. There are now five diamondiferous kimberlites known to exist on the MacFadyen claims.

There are several more geophysical anomalies on the MacFadyen claims that are similar to those drilled and found to be kimberlites. These warrant investigation.

1 INTRODUCTION

The winter 2004 program for the Spider #1 project focussed on drilling some newly identified magnetic anomalies in the vicinity of the MacFadyen #1 and MacFadyen #2 kimberlite bodies within the Attawapiskat kimberlite swarm. The Spider/KWG Resources Inc. claims (1189377 to 1189381 inclusive) had been staked as part of the initial Spider/KWG land acquisition in the area and were recorded on August 22, 1992. At that time, it was discovered that Monopros Ltd (now De Beers Canada Exploration Inc.) had staked some claims and had found sixteen kimberlites. Spider Resources Inc. drilling began in 1993, but both holes (DR 93-01 and DR 93-03) were abandoned in overburden and the hole locate over the future MacFadyen # 1 (DR 94-5) pipe was not drilled. However, the first hole of the next winter's program discovered the MacFadyen # 1 kimberlite and, later in that same season, the MacFadyen # 2 kimberlite was discovered by drilling.

The original drilling was based on a detailed high resolution helicopter magnetic survey. In 1995, a detailed ground geophysical survey was completed in the vicinity of the known pipes. During the 1995 season, Ashton Mining of Canad Inc. drilled one hole (A15-95-1) into the MacFadyen # 2 kimberlite under a joint venture agreement that they had signed with Spider Resources Inc. and KWG Resources Inc. A reinterpretation of the Ashton ground geophysical survey by Scott Hogg & Associates Ltd., using new proprietary techniques, resulted in the identification of three new targets worthy of drilling (Scott Hogg & Associates, 2001). In August 2003, Hussey Geophysics Inc. of Timmins was contracted to extend the grid and geophysical survey to cover the entire property. This data was interpreted by Scott Hogg & Associates Ltd. with the recommendations to drill two well defined targets (Munro, 2003). In addition, several other interesting features were discussed verbally and were considered of significantly interesting to warrant drilling.

Field activities commenced on April 5 under the supervision of Roger Thomas. The camp had recently been vacated by Pele Mountain Resources Inc. and had been loaned to Billiken Management Services Inc. in return for back hauling some equipment. Denis Michon, Jean-Luc Barril and Terry Waite had moved to the camp a few days earlier and had renovated the heating systems and the kitchen to accommodate the drilling crew. The logging of the drill core was completed by Roger Thomas. This report describes the results of this drilling program.

2 LOCATION AND ACCESS

The area of investigation for the April 2004 phase of field activities included the area between longitudes 83° 55'W and 84° 00'W and latitudes 52° 52'N and 52° 54'N (Figure 1). This area is covered by NTS map sheet 43B/13. The area lies within the Porcupine Mining District and is within township areas BMA 527 834 and BMA 528 834.

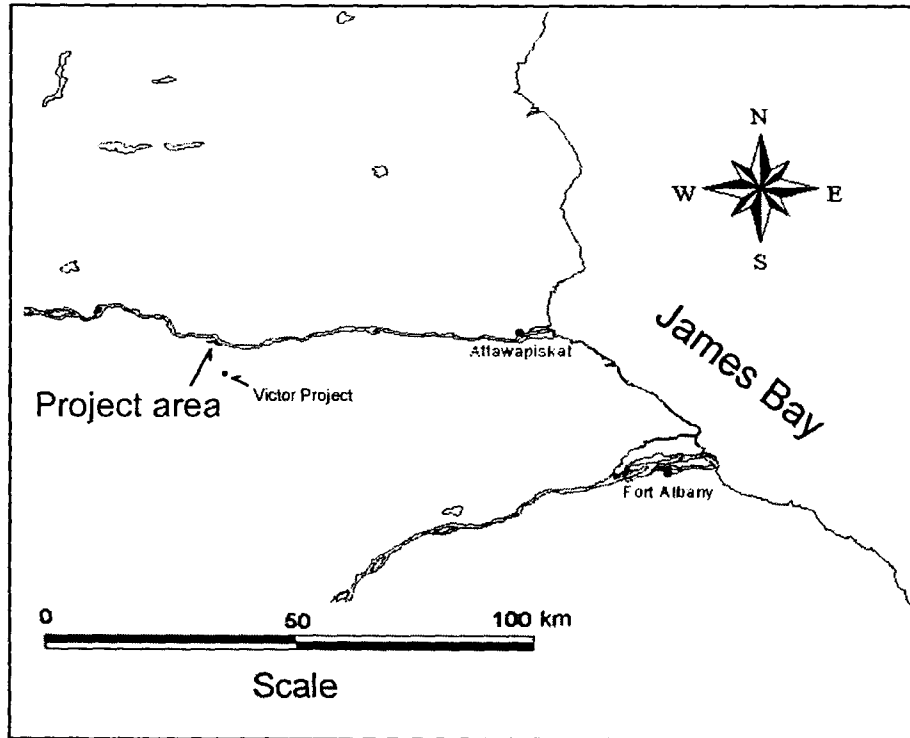


Figure 1. Location of project area.

The closest town is Attawapiskat, an Indian Reserve located some 100 km due east from the centre of the claim group (Figure 1). Attawapiskat is accessible by scheduled air service throughout the year, by winter road in the winter and by barge in the summer. De Beers Canada Inc. operates a private, seasonal airstrip during the winter at the Victor Project, 8 km to the south southeast. They also operate a winter road from the winter road to Attawapiskat some years. The food, personnel and supplies for the field operations were delivered to the Spider Lake camp by the Nakina Outpost Camps and Airservices Ltd. Turbo-Otter from Nakina, some 350 km to the southwest. Fifty drums of turbine fuel for the helicopter were shipped to Attawapiskat on the winter road and were flown into the camp by Turbo-Otter. Empty drums and garbage were removed on back hauls. Transport within the area was by helicopter or on foot.

3 TOPOGRAPHY AND DRAINAGE

The area has very low relief, with a regional slope toward the north. The altitude of the claim property is approximately 82 m ASL. Local relief is generally less than 2 m except along the major streams which are incised up to 2 m below the regional plain.

Drainage is poor throughout the area with most of the ground being covered with muskeg and small ponds. Lakes are generally shallow (<3 m deep) and small. Most of the property is covered by muskeg and swamp with numerous shallow ponds (Figure 2). Small streams flow generally northeasterly across the property into the Attawapiskat River. The only major river in the vicinity is the Attawapiskat River, which flows from west to east just north of the claims and enters into James Bay at the town of Attawapiskat.



Figure 2. Satellite image showing location of claims and terrain.

4 GEOLOGY

The property lies in the northern part of the Moose River Basin, which is to the south of the Cape Henrietta Maria Arch. The thick sequence of Paleozoic rocks which underlies the property is capped by the Middle Silurian Attawapiskat Formation. Norris and Sandford (1969) describe the Attawapiskat Formation as a reef complex composed of small bioherms of massive yellowish tan and brown, vuggy limestone. Flanking the bioherms are thick beds of coarse bioclastic limestone dipping steeply away from the cores. The Attawapiskat formation overlies the Ekwon Formation, also Middle Silurian in age. Norris and Sandford (1969) describe this unit as consisting of grey, cream and brown, fine to medium crystalline, thin to thickly bedded limestone and dolomite which locally form massive biostromal lenses. The lowermost unit of the Middle Silurian sequence is the Severn River Formation which is described by Norris and Sandford (1969) as brown to tan, fine textured limestone and dolomites.

The Middle Silurian rocks lie disconformably on Ordovician rocks. The uppermost Ordovician rocks are of the Churchill River Group, described by Norris and Sandford (1969) as primarily composed of mottled, light yellowish grey and brown fragmental limestones. The Churchill Groups lies disconformably on the of the Bad Cache Rapids Group, composed of a dolomitic limestone overlying a transgressive orthoquartzite

sandstone. The Bad Cache Rapids Group lies directly on the Precambrian basement of which nothing is known in the area of the claims.

The bedrock is overlain by 30 - 40 m of Quaternary deposits consisting of a 5 - 10 m thick till overlain by glaciomarine and glaciolacustrine sands and silts grading upwards into clays. Peat deposits blanket the surface at most locations. This abnormal thickness of Quaternary deposits indicates the bedrock surface is well below the level of the Attawapiskat River. The islands in the Attawapiskat River, 2 km to the east and to the northeast of the claims (Figure 2), are formed of bioherms. It is probable that the claims overlie a pre-glacial valley or pre-glacial course of the Attawapiskat River.

5 PREVIOUS WORK

The earliest work in the area was completed by Bell (1872) of the Geological Survey of Canada who did a "track" survey down the lower Attawapiskat River. Later work involved regional mapping of the Paleozoic rocks (Norris and Sandford, 1969), various paleontological surveys related to the carbonate rocks of the Moose River Basin (Flower, 1966) and the airborne magnetic survey of the Geological Survey of Canada (1969). Oil exploration in the early 1960's by Elf Oil saw a number of seismic surveys run in the Hudson Bay Lowlands. Hobson (1965) incorporated some of this data, along with his own to produce an isopach map of the thickness of the Paleozoic rocks of the James Bay Lowlands (Hobson, 1964). Unfortunately, although the original seismic data from Elf Oil is still in existence, it is unreadable (Neil Novak, personal communication).

Prior to 1992, the only mineral exploration which had been undertaken in the area was by Monopros Limited. Monopros conducted a stream sediment survey sampling all of the rivers entering into James Bay. The Attawapiskat River was found to be particularly anomalous, and on following the anomaly up river, Monopros discovered the Attawapiskat kimberlite swarm. In doing so, they drilled at least 29 drill holes and identified 16 kimberlites. Starting in 1994, they resampled many of the kimberlites and have determined that the Victor Pipe is worthy of mining.

Since 1997, several other companies have been searching for kimberlites in the vicinity of the Attawapiskat kimberlite swarm. Notable amongst these has been Navigator Exploration Corp., who in a 50% joint venture with Canabrava Diamond Corporation discovered the AT-56 kimberlite on February 8, 2001. Also Metallex Ventures Ltd., in joint venture with Oasis Diamond Exploration Inc., Dumont Nickel Inc., Arctic Star Diamond Corp., Kel-Ex and 1387197 Ontario, in a press release dated April 1, 2004 announced that they had encountered "field identified green kimberlitic clays in 6 power auger holes drilled over a distance of 210 m on an east-west line." They also report that a "gem quality macrodiamond was recently discovered" nearby. Other companies active in the area, but who so far have not had any success in finding kimberlites, include Pele Mountain Resources Inc., Leeward Capital Corp., and Vault Minerals Inc.

The Spider/KWG Resources Inc. property was staked in 1992 as part of a much larger land package. Initial work involved a helicopter magnetic survey which resulted in the selection of six priority drill targets. A drill was mobilized to the area, and

holes DR-93-1 and DR-93-3 were drilled to depths of 137.1 m and 197.5 m respectively and intersected only carbonate rocks. Neither hole intersected kimberlite or any other rock that could explain the magnetic anomaly. The reason for missing the targets was determined to be the inaccuracies in locating airborne anomalies on the ground using only a global positioning system (GPS) which at the time had 100 m resolution at best. The remaining holes were therefore not drilled.

In order to better locate the geophysical anomalies on the ground, a grid was cut and a ground geophysical survey was completed covering the area of the anomalies in 1994. The anomalies from this survey were then selected for drilling and kimberlite was intersected on the first hole. This kimberlite has since been named the MacFadyen # 1 kimberlite after Don MacFadyen who instigated the Spider Resources Inc search for diamonds in this area. Several weeks later, the MacFadyen #2 kimberlite was discovered some 550 m to the southeast. As part of their joint venture agreement with Spider/KWG Resources Inc., Ashton Mining Canada Ltd. drilled one hole into the MacFadyen #2 kimberlite for initial evaluation of the pipe. In order to locate their hole, they cut a small grid and completed a ground magnetic survey over the pipe.

In 2001, in light of recent developments in the area, and in order to maintain the claims in good standing, Spider/KWG Resources Inc. agreed to do additional work. A review of the Ashton geophysical data was initiated and contracted to Scott Hogg and Associates Inc. of Toronto. The review identified three new targets but also recommended that the survey coverage should be extended across the whole property (Scott Hogg & Associates Inc., 2001). The line cutting and magnetic surveying was contracted to Hussey Geophysics Inc. of Timmins and the data was interpreted by Scott Hogg & Associates Inc. The results were that two of the targets identified in the previous analysis were highly recommended for drilling (Munro, 2003).

6 DRILLING

The drill targets were all selected based on the 2001 geophysical survey (Munro, 2003). The two highly recommended holes were selected along with the third target identified in the 2001 re-analysis of the Ashton data. A fourth hole was selected by R. Thomas and Neil Novak in the field and a fifth hole was selected by Steve Munro of Scott Hogg & Associates Inc. designed to intersect a deep magnetic feature. The holes were spotted in the field by R. Thomas.

The drilling was contracted to Heath and Sherwood Drilling (1986) Inc. of Kirkland Lake, Ontario who supplied a hydraulic drill and crew. The drill foreman, in charge of camp maintenance, was Jim Hoag and the drillers included Denis Michon and Murray Tulman with helpers J.-L. Baril and Wayne Desjardins. The cook, Terry Waite, was also supplied by Heath and Sherwood. The MD520D Notar helicopter was supplied by HeliMax Ltd. of Trois Rivières along with the pilot Léger Thibeault and engineer Marc Deroy.

To comply with the "Work Permit", plugs were installed at the top of the Paleozoic sections. Cement was poured down the hole on top of the plug.

Logging was completed at the base camp at Pele Camp by R. D. Thomas. Approximately 20 cm long representative samples of kimberlite were taken every 6 m along the core. These were shipped to Neil Novak in Toronto for reference. The remaining kimberlite was sampled in approximately six metre sections breaking the samples at obvious changes in lithology. The samples were then shipped under bonded courier to Thunder Bay Diamond Services in Thunder Bay for diamond analysis. The remaining core, the Paleozoic sections, is stored on the former rod racks at hole SPQ-04-05. The log for each hole along with the driller's log is presented in the relevant appendices.

7 RESULTS

7.1 SPQ-04-01

The geophysical data with the location of the drill hole is presented in Figure 3. The magnetic survey outlined a slightly elliptical 400 nT anomaly approximately 125 x 100 m in size. It is well defined and separated from the MacFadyen #1 anomaly (Figure 3). The hole was sited at the centre of this anomaly on L112E at 0+25N. The drill hole log, location map, diamond analyses, section and driller's log are presented in Appendix I.

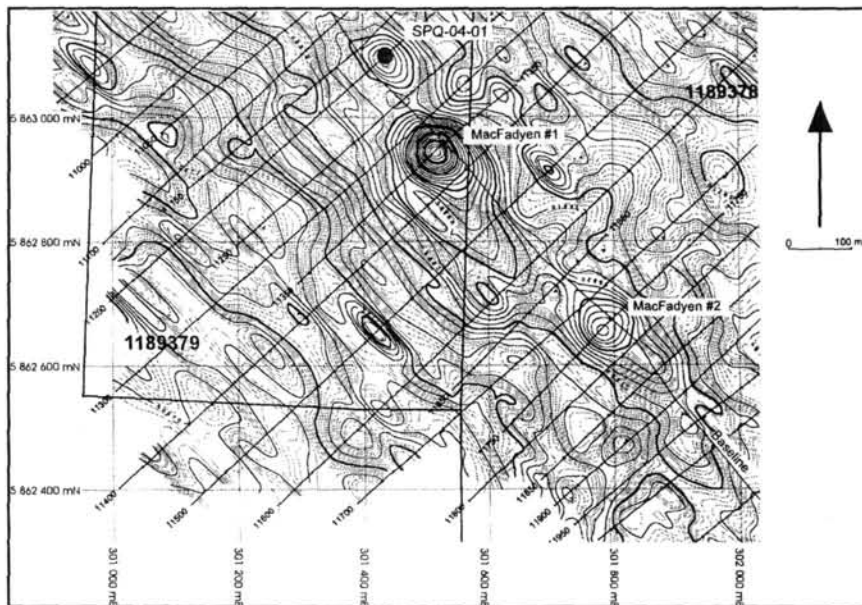


Figure 3. Magnetic map showing the location of hole SPQ-04-01.

The drill hole intersected kimberlite directly under 47.5 m of Quaternary overburden. The uppermost part of the kimberlite was found to be weathered to a depth of 3.5 m. Below this, the kimberlite was of a hypabyssal facies and contained two sizes of olivine as well as phlogopite, and xenoliths of limestone and a few of sandstone and shale. Chrome diopside, pyrope and orange garnets were quite rare. The kimberlite was described as weakly to moderately magnetic and could explain the anomaly. A total of

139 m of kimberlite was intersected before the hole exited the body and continued in the Paleozoic dolomite and limestone. At a depth of 192 m, the hole encountered over 1 m of loose, uncemented sand and the drill lost its return. At this point it was decided to stop the hole.

A total of 121 diamonds were recovered from the 23 samples of kimberlite submitted for analysis from this hole. The richest was sample 00015 which contained 15 diamonds followed by samples 00009, 00010 and 00022 which contained 11, 10 and 10 diamonds respectively. All of the samples contained at least one diamond. The largest diamond (1.45 x 0.96 x 0.77 mm, 1886438.4 oct) was found in sample 00018, followed by one found in sample 00019 (0.96 x 0.46 x 0.20 mm, 155443.2 oct) and two in sample 13 (0.76 x 0.55 x 0.63 mm, 463478.4 oct; 0.65 x 0.24 x 0.12 mm, 32947.2 oct). The details of these and the other diamonds that were recovered are in Appendix II.

7.2 SPQ-04-02

The ground magnetometer survey showed a deep (350 m deep), linear feature, After the removal of the effects of the known kimberlite bodies, that could be a feeder mechanism for the kimberlites (Figure 4) (Scott Hogg & Associates Ltd., 2001). Steve Munro, of Scott Hogg and Associates Ltd. selected the drill site based on his geophysical interpretation. The geophysical data with the location of the drill hole is presented in Figure 4. The drill hole log, location map, section and driller's log are presented in Appendix II.

SPQ-04-02 intersected 34.75 m of overburden overlying 35.65 m of Paleozoic rocks at which point the hole encountered 1.6 m of loose sand. The hole was abandoned at this depth because the sand flowed into the hole faster than it could be removed. In addition, the casing was too far back to ream it down to the sand layer without risking having worse problems. It was decided to await the arrival of special drilling muds and cement before proceeding with this hole (See SPQ-04-06 below).

7.3 SPQ-04-03

The ground magnetic survey outlined an elliptical protrusion on the southeast side of the magnetic anomaly associated with the MacFadyen #2 anomaly (Figure 6). This protrusion is 50 - 75 m in length and 50 - 75 m wide. This feature was interpreted to be either a protrusion on the side of the MacFadyen #2 kimberlite, called the MacFadyen #2 South by Scott Hogg and Associates (2001), or a second smaller kimberlite just beside the MacFadyen #2 kimberlite. A drill hole was spotted on the baseline at 11,850 E and was drilled northwesterly (315°T) at an inclination of -60°. The drill hole log, location map, diamond analyses, section and driller's log are presented in Appendix III.

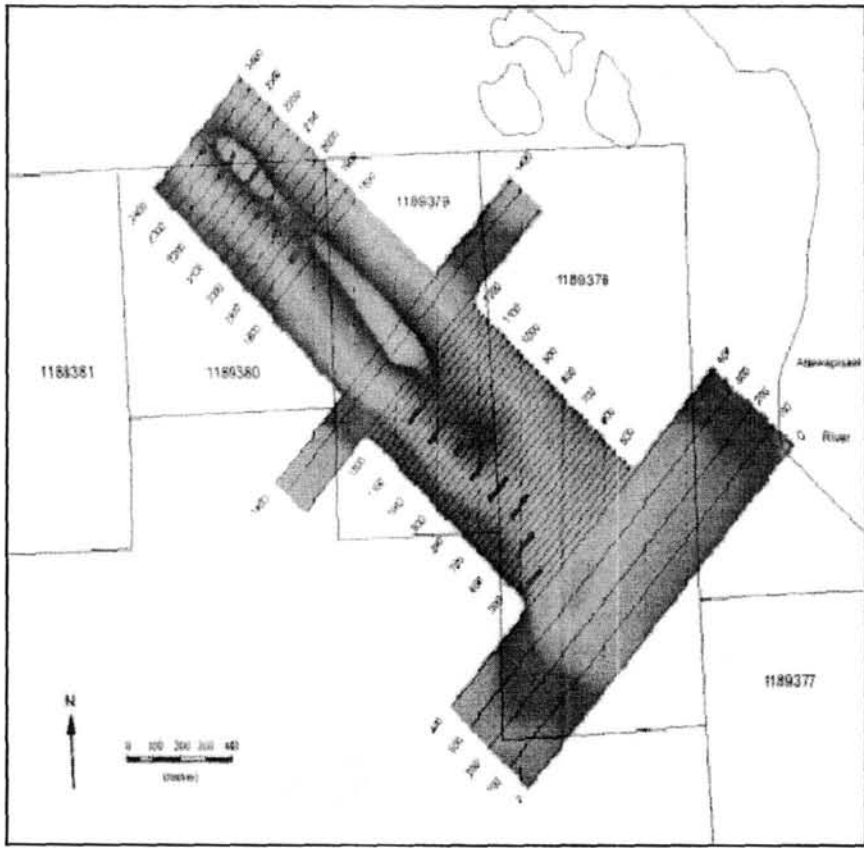


Figure 4. Deep seated linear magnetic feature.

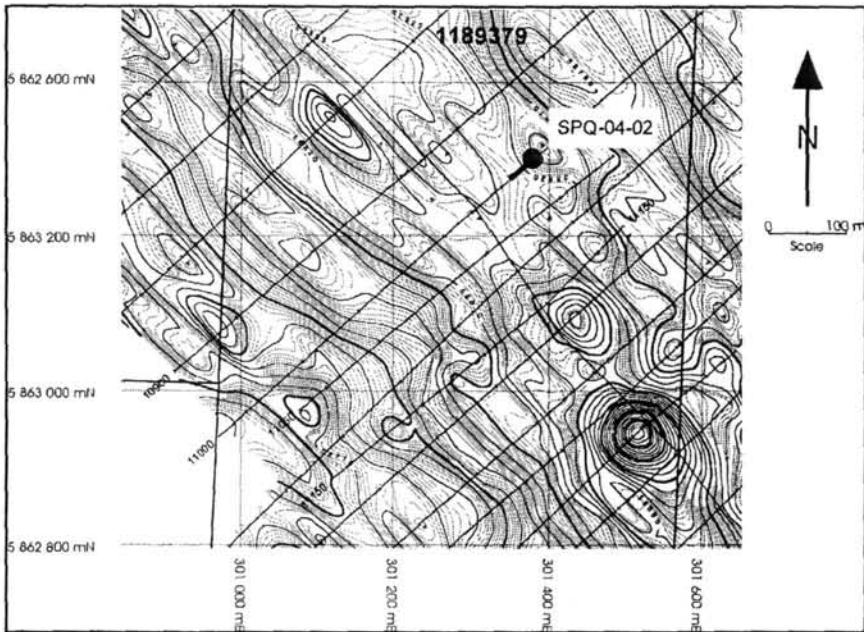


Figure 5. Map of the magnetic survey showing the location of hole SPQ-04-02.

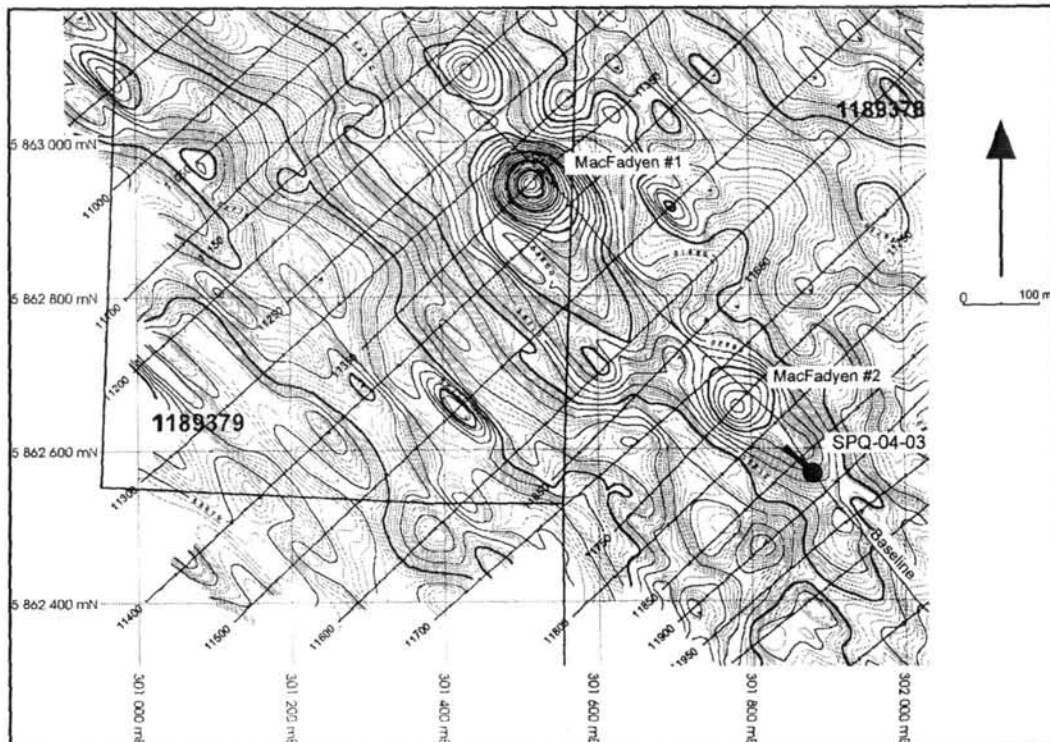


Figure 6. Map of the magnetic survey showing the location of hole SPQ-04-03.

The drill hole entered kimberlite after intersecting 62.7 m of overburden. The kimberlite was weathered or highly oxidized to a depth of 83.5 m (72.3 m vertically), and the core was broken and recovery was poor. The rock was easily identifiable as a hypabyssal phase kimberlite and chrome diopsides and a pink and a pyrope garnet were observed. Below 72.5 m, the core was more competent, was less oxidized and was seen to contain traces of pyrite. At 92.05 m depth, the kimberlite changed from dark greenish grey to light grey in colour and was observed to contain very little olivine. It is believed that the lower kimberlite is either a diatreme or a contact phase. At 96.70 m the hole exited the kimberlite into lithographic limestone and then arenaceous limestone. At 105.0 m the hole encountered sand and was stopped because of drilling problems.

Fifteen diamonds were recovered from the six samples collected from this hole. Although one sample did not contain any diamonds, one sample did contain six. None of the diamonds exceeded 0.5 mm in any dimension, the largest stone measuring 0.37 x 0.27 x 0.16 mm.

7.4 SPQ-04-04

The ground magnetic survey (Figure 7) defined a 50 x 75 m irregular shaped anomaly elongated in the northwest-southeast orientation. The 26 nT anomaly has a steep northeastern side and a gentle southern side indicating a body dipping toward the south or southwest. The feature was interpreted to be a small kimberlite at the side of the MacFadyen #2 South pipe. The geophysical data with the location of the drill hole is

presented in Figure 7. The drill hole log, location map, section and driller's log are presented in Appendix IV.

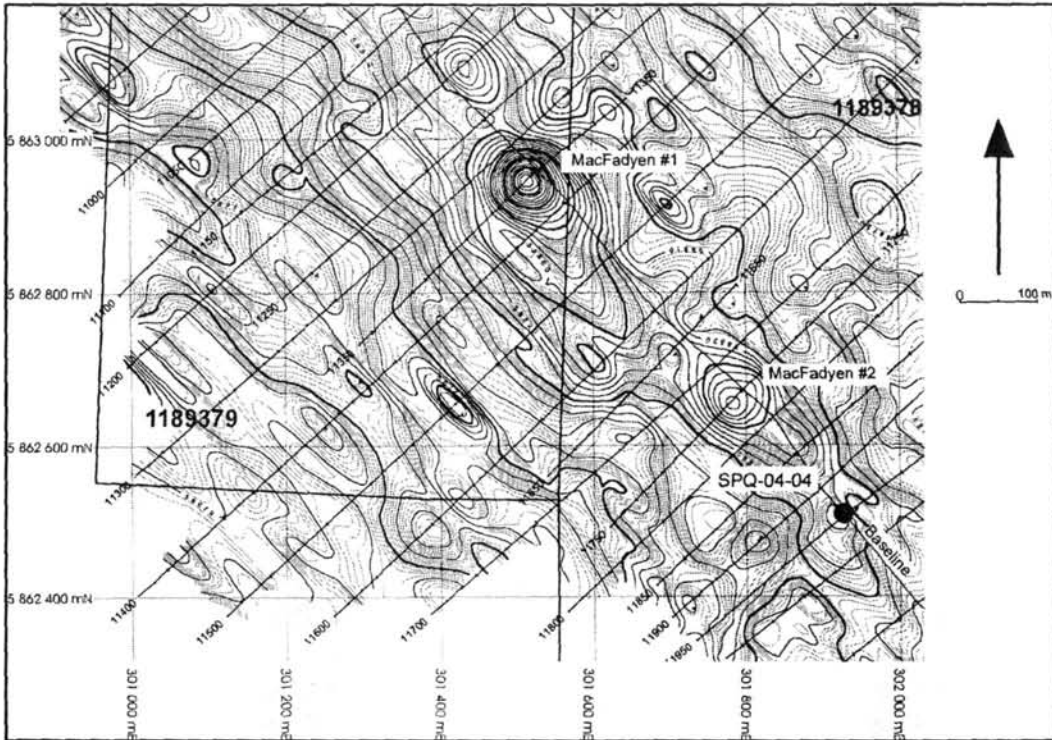


Figure 7. Map of the magnetic survey showing the location of hole SPQ-04-04.

The drill hole intersected 37.75 m of overburden overlying 25.75 m of Paleozoic rocks. The hole was abandoned in loose sand because of drilling problems. Nothing of economic significance was noted in the hole.

7.5 SPQ-04-05

The ground magnetic survey outlined an elongated protrusion on the southeast side of the MacFadyen #1 kimberlite (Figure 8). This 40 nT anomaly was initially found by Scott Hogg & Associates Ltd. (2001) and was called the MacFadyen #1 South anomaly. It was unclear to whether the anomaly represented a separate kimberlite or whether it was part of the MacFadyen #1 body. A hole was spotted at 11,410E 0+50S and was drilled vertically, on the recommendation of Steve Munro of Scott Hogg & Associates Ltd. The geophysical data with the location of the drill hole is presented in Figure 8. The drill hole log, location map, diamond analyses, section and driller's log are presented in Appendix V.

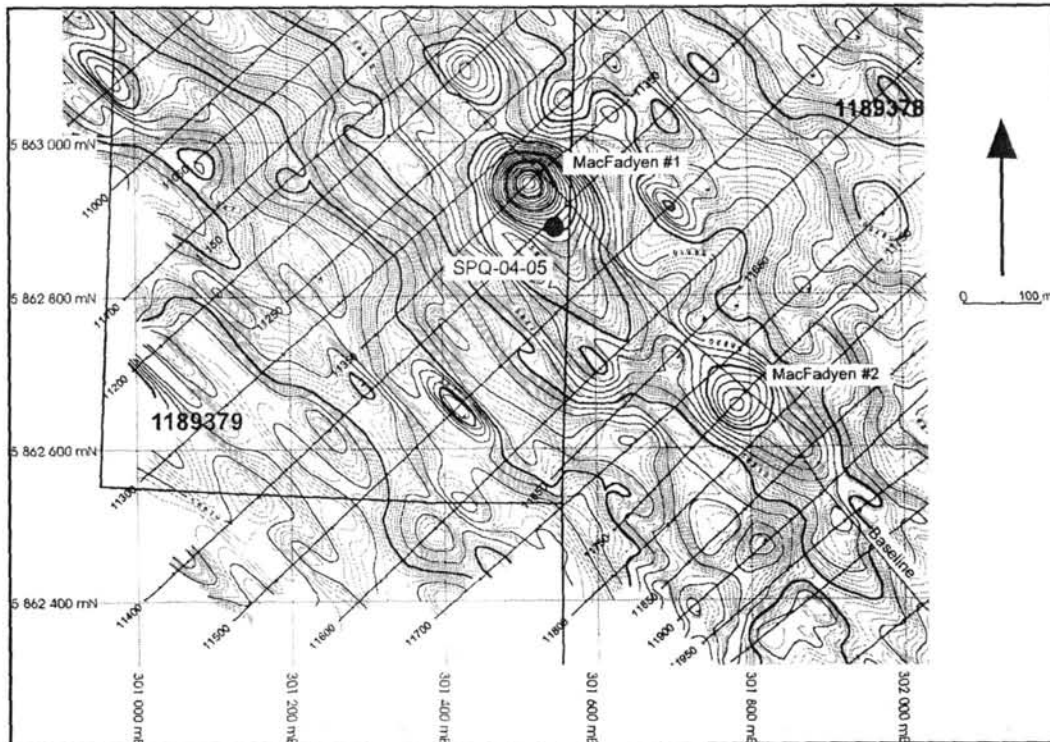


Figure 8. Magnetic map showing the location of hole SPQ-04-05.

The hole intersected 67.58 m of Paleozoic rocks under 37.5 m of Quaternary overburden. A 0.74 m wide kimberlite dyke was intersected at 82.00-82.74 m depth. The central part of the dyke was fresh, however, the surrounding limestones and the lowermost 0.03 m of the dyke were highly oxidized. Below the Paleozoic rocks, at the depth of 105.08 m, the hole intersected 26.3 m of hypabyssal kimberlite. The upper 0.69 m of kimberlite were very highly oxidized and graded downwards into 0.58 m of light grey kimberlite. Below this, the kimberlite was quite variable but was dark coloured, contained some chrome diopsides, orange and pyrope garnets, and was not oxidized. Below 131.38 m the hole intersected Paleozoic mudstone, limestone and sandstone, finishing at a total depth of 142.50 in a brecciated sandstone and limestone unit.

Diamonds were not recovered from the upper kimberlite dyke. The lower, older, pipe was found to contain a total of 5 diamonds with the largest being 0.51 x 0.40 x 0.19 mm in size.

7.6 SPQ-04-06

This hole is a redrilling of hole SPQ-04-02 and is based on the same geophysical data and model. It is located 7 m behind hole SPQ-04-02 and therefore is being drilled slightly underneath that hole. Its location is shown in Figure 9. The drill hole log, location map, section and driller's log are presented in Appendix VI.

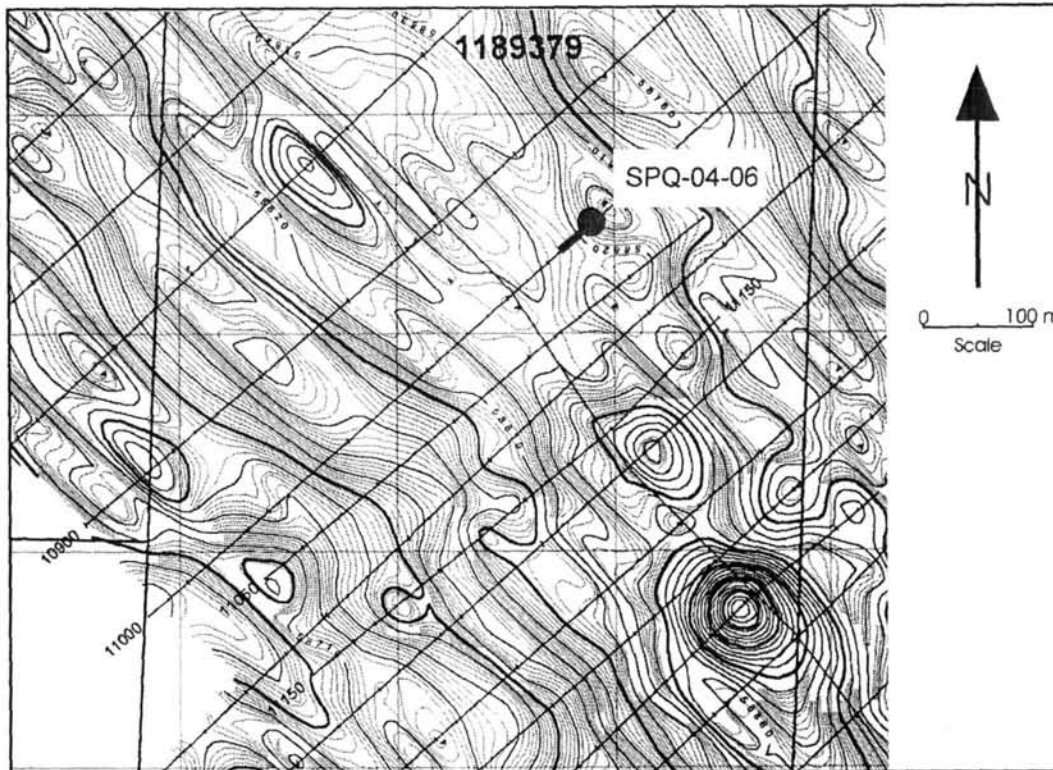


Figure 9. Magnetic map showing the location of hole SPQ-04-06.

The drill hole intersected 34.95 m of unconsolidated Quaternary deposits before reaching the Paleozoic limestones. By using NW casing to keep the BW casing free, and by reaming the BW casing right behind the core barrel, it was possible to sink the hole through the sand layers that stopped the earlier hole. However, the drill was not powerful enough to keep turning the casing all the way, and the casing was stopped at a depth of 75.5 m. At 127.8 m depth, the hole encountered more sandstone beds and large cavities in the rock. An attempt was made to seal the hole using mud fondu and quick setting cement, however it was unsuccessful. Because it was getting late in the season, a decision was made to stop the hole until after break-up at which time, AQ rods could be brought in to continue the hole.

8 DISCUSSION

The drilling program was very successful in discovering three new, diamondiferous, kimberlites within the Attawapiskat swarm. The relationships of these kimberlites to the previously known kimberlites is shown in Figures 10 and 11. Although some of these kimberlites are small, their proximity to other, larger, kimberlites may yield a sufficiently large body to be of economic interest. It is therefore imperative that all of the diamonds recovered to date be evaluated as to their grade and value. If the results of this evaluation are favourable, then further sampling would be required. Note that the abundance of diamonds is not necessarily an indication of value. It should also be noted that the section of kimberlite sampled by hole SPQ-04-05 was quite soft and broken, the

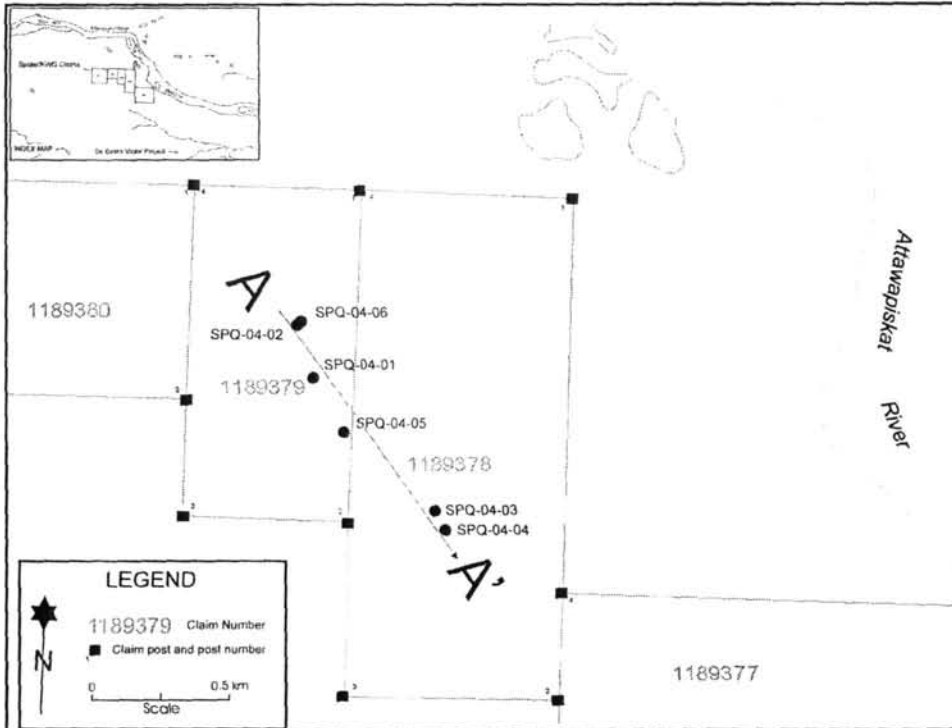


Figure 10. Map of part of the claims showing the locations of the drill holes and the line of section A-A' in figure 11.

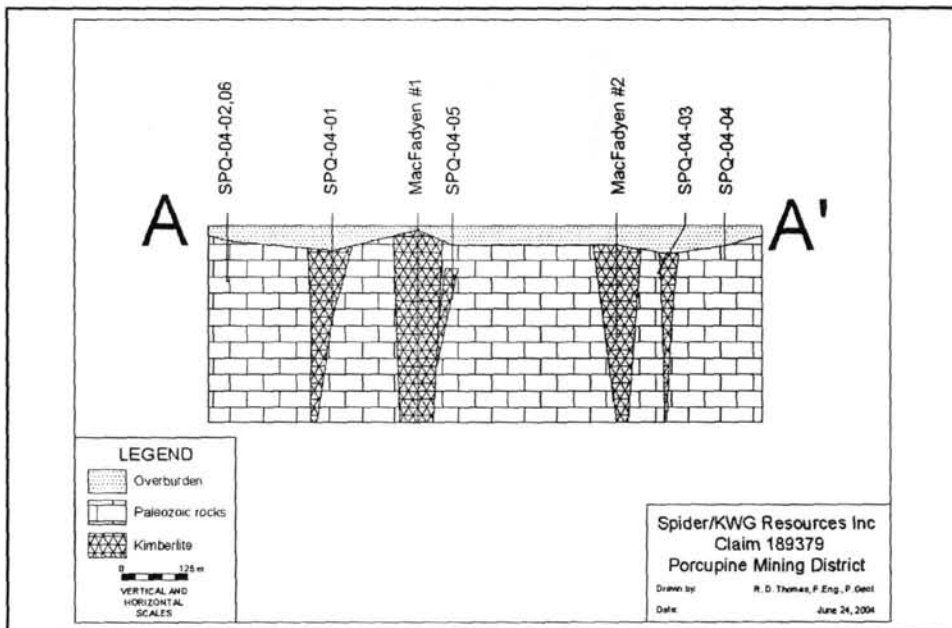


Figure 11. Hypothetical section along line A-A' shown, in Figure 10, illustrating the relative positions of the kimberlites.

core recovery was poor, and the resulting samples were small. A larger diameter core, or reverse circulation drilling may be required to obtain a representative sample from this body. A vertical hole, which would sample deeper parts of the body may also be beneficial.

One of the three kimberlites, intersected in hole SPQ-04-05, appears to be older than the others. It does not occur below the Quaternary cover but is beneath a significant thickness of Paleozoic rocks. In addition, the uppermost part of the kimberlite is much more deeply weathered than the later (Cretaceous) kimberlites in the region. It does however, penetrate the lower Paleozoic rocks and therefore is younger than the Precambrian Kyle kimberlites. The youngest unconformity in the Paleozoic sequence is between the Ordovician and Middle Silurian rocks. The deep weathering on the top of the kimberlite may be of this age. This would make this kimberlite either Late Ordovician or early Silurian in age. The upper kimberlite dyke is probably related to the MacFadyen kimberlite events and is therefore Carboniferous in age. Thus it appears to be a new age of kimberlite in the Attawapiskat area. A sample has been submitted for radiometric dating as indicated in the log (Appendix V) to confirm that this is a new age of kimberlite emplacement in the Attawapiskat area. The significance of this discovery is that there is now the possibility of finding kimberlites that do not come through to surface. There are many such features to be seen in the magnetic surveys of the regions, some being located on the Spider/KWG claim block. All of these require testing.

This report is respectfully submitted,

Roger D Thomas

Roger D. Thomas, MSC., P.Eng., P.Geol.

June 24, 2004



9 REFERENCES

Bell, Robert

1887: Report on an exploration of portions of the At-ta-wa-pish-kat and Albany Rivers, Lonely Lake to James Bay; Geological and Natural History Survey of Canada (Geological Survey of Canada), Annual Report (New Series) for 1886, volume II, part G, 39 pages.

Flower, R.H.

1968: Silurian Cephalopods of James bay Lowland, with a revision of the family *Nartheococeratidae*: Geological Survey of Canada, Bulletin 164.

Geological Survey of Canada

1969: District of Kenora (Sheet 43b/13) Ontario; Geological Survey of Canada, Geophysical Series Map , 3947G, scale 1:63,360.

Hobson, George D.

1964: Thickness of sedimentary section, Ontario Hudson Bay Lowlands; Ontario Department of Mines, Preliminary Map No. P.243, scale 1 inch to 31 miles.

Hobson, George D.

1965: Seismic refraction survey, Hudson Bay Lowlands; *in*: Report of Activities: Field, 1964, compiled by S. E. Jeness; Geological Survey of Canada, Paper 65-1, pages 104-106.

Munro, Steve

2003: Report on a ground magnetic survey by Hussey Geophysics Inc. for KWG Resources Inc. and Spider Resources Inc. over claims 1189377, 1189378, 1189379, 1189380, and 1189381; unpublished report, August 20, 2003, revised December 2, 2003.

Norris, A. W. and Sandford, B. V.

1969: Paleozoic and Mesozoic geology of the Hudson Bay Lowlands; in Earth Science Symposium on Hudson Bay, Peter Hood, editor, Geological Survey of Canada, Paper 68-53, pages 169-205.

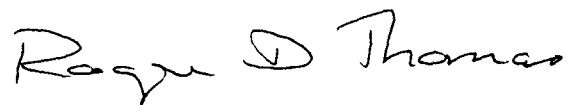
Scott Hogg & Associates Ltd.

2001: The Interpretation of a Ground Magnetic Survey over the MacFadyen 1&2 Kimberlites in the James Bay Lowlands, Ontario, Mining Claims 1189377, 1189378, 1189379, 1189380, 1189381; unpublished report prepared for Spider Resources Inc / KWG Resources Inc., July, 2001

CERTIFICATE

I, Roger D. Thomas, of the Township of West Carleton, Province of Ontario certify that:

1. I reside at 1373 Corkery Rd, RR # 2, Carp, Ontario.
2. I have worked as a geologist since 1965.
3. I have worked for the Geological Survey of Canada for five years, for Terrain Analysis and Mapping Services Ltd. for 12 years and have been president of R. D. Thomas and Associates since 1993. I have been a consulting geologist for 23 years.
4. I am a graduate of McGill University with a B. Sc. and M.Sc., both in geology.
5. I am a Professional Engineer of Ontario.
6. I am a Professional Geologist of Ontario.
7. I supervised the general field operations of the Spider #1 and #3 field operations from April 5 to April 30, 2004, spotted the holes and logged the core.
8. I do not have any financial interest in the Spider #1 and #3 properties nor in either KWG Resources Inc. or Spider Resources Inc.



Dated at Carp, Ontario
This 24th day of June, 2004

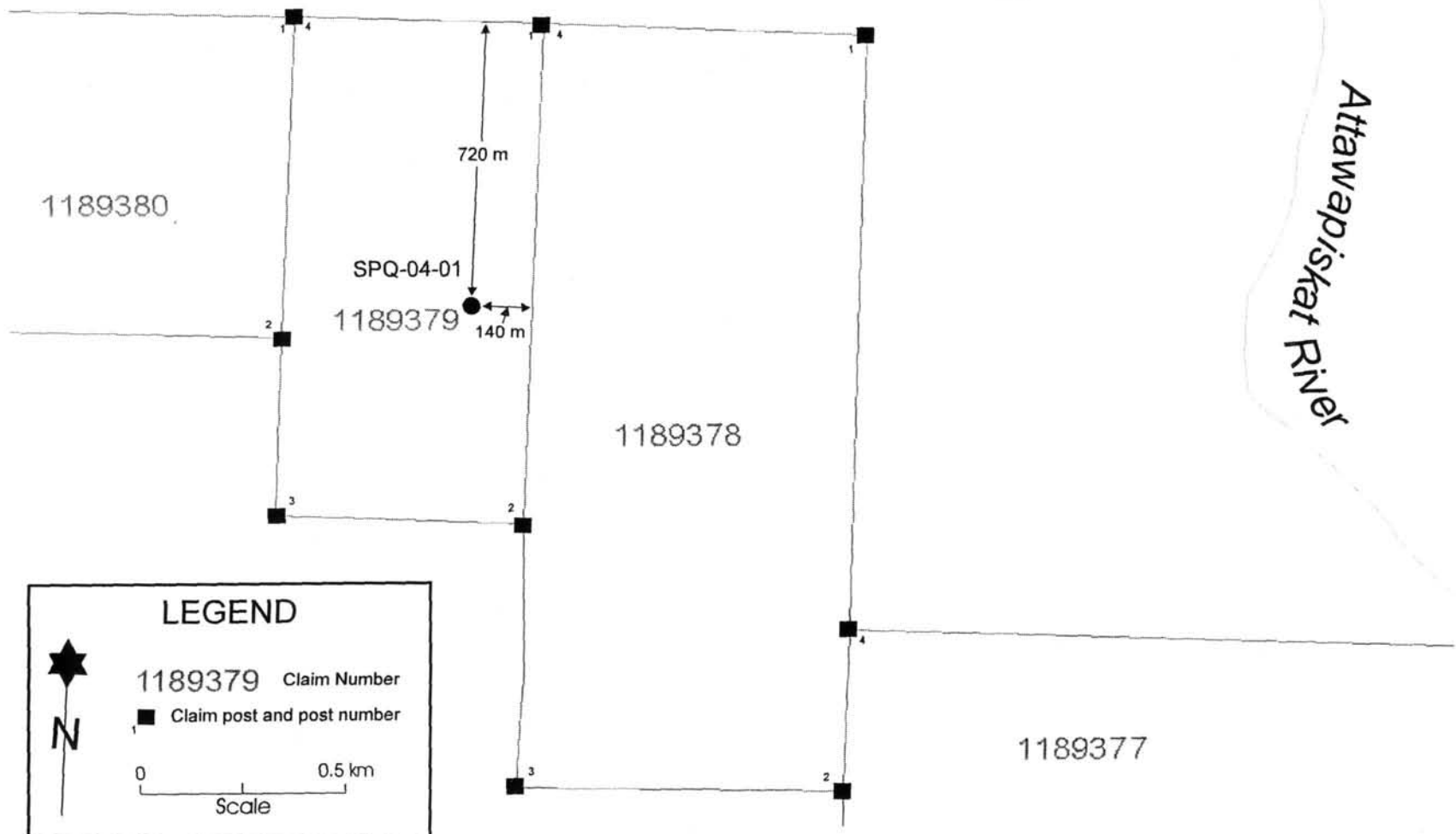
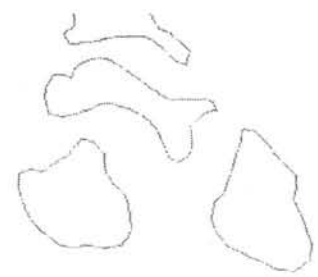
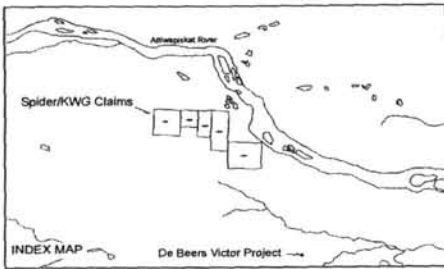
Roger D. Thomas, MSc., P.Eng., P. Geol.



APPENDIX I

**DRILL HOLE LOG, DIAMOND RESULTS,
LOCATION MAP, SECTION AND DRILLER'S LOG**

SPQ-04-01



LEGEND

★ N

1189379 Claim Number

■ Claim post and post number

0 0.5 km

Scale

Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-01

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FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
47.50	51.00	KIMBERLITE weathered (Continued) 47.5-48.0: predominantly fragments of limestone, church and tuff (left in the box, not sampled) and 20 cm of kimberlite.									
51.00		CONTACT , compositional change from diatreme with abundant limestone clasts to hypabyssal with fewer limestone clasts.									
51.00	180.00	KIMBERLITE , hypabyssal Olive gray (5Y4/1), hard, competent, weakly to moderately magnetic, composed of: 2% 20-30 mm rectangular, subrounded clasts of predominantly limestone with some dolostone, rare shale and sandstone; some with 1-2 mm thick reaction rims; less than 1% 10-12 mm mantel xenoliths composed mainly of gray olivine and mica; 5% 5-10 mm subrounded clasts of limestone, rarely dolostone and shale; 5% 10 mm rounded to subrounded slightly embayed yellow olivine; 30% 2-4 mm subrounded yellow olivine, 2% fine grained phlogopite, trace 2 x 5 mm crystals of phlogopite; trace chrome diopside, 57% fine grained matrix, trace orange garnet. Magnetite present as very fine grains and as 1 mm widely disseminated masses. The rock is highly calcareous but is also highly fractured at various angles and the fractures are filled with 1-2 mm seams of calcite. 52.40-52.80: 60% of limestone fragments, 5-20 cm in diameter, some highly corroded. 53.60-54.05: 10% mantle xenoliths, composed mainly of gray olivine. @54.24: highly weathered adjacent to a fracture. @55.70: 30 mm diameter mantle xenolith, mainly gray olivine. @56.65: 70 mm diameter limestone fragment. @59.00: 1-2 mm olivine is quite euhedral. @57.50: decrease in abundance and size (5-10 mm diameter) of mantle xenoliths; limestone fragments are more highly corroded.	00002	51.00	57.00	5.81	3	22.50	53.35	53.54	0.19
			00003	57.00	63.00	5.74	3	19.00	61.51	61.77	0.26

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FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
51.00	180.00	<p>KIMBERLITE, Hypabyssal (Continued)</p> <p>@59.80: 5 mm mass of garnet, orange-purple in color, 1 mm reactive rim (greenish gray) on one side. Garnet is corroded.</p> <p>@60.80: becomes lighter in color (light olive gray, 5Y6/1) as coarse olivine becomes more abundant and did make tricks and some clasts become more serpentinized. Garnets are possibly slightly more abundant.</p> <p>@61.74: 3 mm orange-purple garnet.</p> <p>@61.90: 30 mm highly serpentinized fragment.</p> <p>62.80-62.90: highly weathered adjacent to a fracture; rock has reddish tint for 0.5 m either side of fracture.</p> <p>63.05-65.50: xenoliths have been highly altered, some are totally converted to serpentine.</p> <p>62.00-63.00: 1% mantle xenoliths: 10 mm in diameter, rounded, composed of olivine and phlogopite.</p> <p>@63.61: 5 mm diameter pyrope garnet with 1 mm black reaction rim.</p> <p>64.00-64.10: 40% 2-3 cm xenoliths, highly serpentinized.</p> <p>@64.17: very rotten; oxidized 2 cm either side of fracture.</p> <p>@64.50: core becomes yellowish from oxidation.</p> <p>@66.10: 60 mm limestone xenolith.</p> <p>66.35-67.50: 10% 15-30 mm, highly corroded, highly altered xenoliths of limestone with a few of gneiss.</p> <p>@66.50: core becomes reddish in colour from oxidation.</p> <p>@66.68: 15 mm limestone xenolith with 3 mm reaction rim.</p>									
			00004	63.00	69.00	5.73	3	20	63.49	63.63	0.14
									66.43	66.56	0.13

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FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
51.00	180.00	KIMBERLITE, Hypabyssal (Continued) @67.00: 5-10 mm xenolith content increases to 10%. @67.90: oxidation of olivines is quite extensive. 68.27-68.65: one large limestone xenolith comprises 60% of the core; edges are moderately corroded. @69.20: decrease in abundance of limestone xenoliths to 2%; xenoliths of gneiss are proportionally more abundant. @69.20: three 10-15 mm diameter mantle xenoliths containing olivine and pyroxene. @71.30: one chrome diopside and two purple-orange garnets present; very few diopsides occur below this point. @71.95: 20 mm diameter, moderately corroded, feldspar-biotite gneiss xenolith. @72.40: 10 mm xenolith content decreases to 5%. @72.55: 20 mm diameter megacryst of olivine, very weathered. 73.80-73.95; 10% 10 mm mantle xenoliths. @75.23: 40 mm limestone xenolith, slightly corroded. @75.80: two reddish purple garnets. @77.46: 60 mm limestone xenolith, highly corroded. 75.00-79.65: abundant micro fractures filled with calcite. @79.38: 3 mm purple garnet with 1 mm brown reaction rim. @81.86: 2 mm pyrope garnet with well developed brown reaction rim.									
			00005	69.00	75.00	5.78	3	23	73.9	74.12	0.22
			00006	75.00	81.00	5.73	3	21.25	79.28	79.55	0.27
			00007	81.00	87.00	5.81	5	21.75	81.3	81.49	0.19

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FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
51.00	180.00	KIMBERLITE, Hypabyssal (Continued) @91.83: one 4 mm pyrope garnet with <1 mm diopside core and 1 mm exterior reaction rim. @93.20: olivine begins to have a definite orange colour probably from oxidation. 93.30-93.60: several 10-20 x 10 mm mantle xenoliths composed of phlogopite and olivine are present. @96.80: abundance of olivine and phlogopite mantle xenoliths, up to 10 mm diameter, increases to 1%. @98.00: olivine becomes much greener, losing the reddish-orange colour. 99.58-100.33: olivines are lime green in colour. @101.90: one 3 mm pyrope garnet. @104.20: groundmass becomes aphanitic and dark grey (N3) in colour. Xenoliths are more serpentinized or otherwise altered; olivines become very green. @105.20: >30 mm xenoliths comprise 5% of core. 105.61-105.85: limestone xenoliths - removed from sample. 106.54-106.80: 90% limestone xenoliths. @106.80: ground core. @110.82: kimberlite turns brown and olivine looks weathered. @111.10: groundmass becomes granular. @113.34: groundmass becomes aphanitic and rock turns dark grey in colour; olivine is fairly dark green.									
			00010	93.00	99.00	5.76	3	21.50	94.11	94.34	0.23
			00011	99.00	105.00	5.80	4	21.75	103.1	103.3	0.2
			00012	105.00	111.00	5.60	6	20.75	105.62	106.02	0.4
			00013	111.00	117.00	5.78	5	22.00	113.19	113.41	0.22

Billiken Management

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FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
51.00	180.00	<p>KIMBERLITE, Hypabyssal (Continued)</p> <p>@114.55: highly altered limestone xenolith, 30 mm in diameter with 5 mm cavity filled with drusy calcite.</p> <p>@115.32: sharp colour change from brown to greyish black (N2). Core becomes moderately pitted around the olivines.</p> <p>@116.21: 20 mm diameter mantle xenoliths containing olivine and phlogopite.</p> <p>@116.37: 15 mm diameter mantle xenoliths containing olivine and phlogopite.</p> <p>@116.74: 10x15 mm mass of coarse-grained phlogopite..</p> <p>@116.90: small (<10 mm diameter) xenoliths are totally altered to serpentine.</p> <p>@117.15: increase in >10 mm xenoliths to 5%; many are 20-40 mm in size, embayed with <1 mm reaction rims.</p> <p>@118.18: 35 mm diameter limestone xenolith containing 25 mm diameter cavity coated with drusy calcite and euhedral magnetite.</p> <p>@118.49: trace pyrite as 1 mm diameter fine-grained masses.</p> <p>@118.88: trace pyrite as <1 mm diameter fine-grained masses.</p> <p>@120.33: 1 cm seam of serpentine; CA=90°.</p> <p>@120.33: 2 cm xenolith, very highly altered to serpentine.</p> <p>120.39-120.52: xenolith originally sandstone (?), now totally converted to serpentine and 80% adsorbed into the kimberlite.</p> <p>@123.39: 25 mm xenolith of feldspar-biotite gneiss.</p> <p>@123.16: 15 mm xenolith of feldspar-biotite gneiss.</p>									
			00014	117.00	123.00	5.68	6	21.25	118.15 122.38	118.3 122.55	} 0.32
			00015	123.00	129.00	5.77	7	22.00	124.54	124.77	0.23

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FROM	TO	DESCRIPTION	Analytical Sample					Representative Sample			
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
51.00	180.00	<p>KIMBERLITE, Hypabyssal (Continued)</p> <p>123.38-123.43: core is highly pitted.</p> <p>124.87-126.25: very highly pitted, either because of olivine or mantle xenoliths being plucked.</p> <p>127.36-127.55: highly altered feldspar-biotite gneiss xenoliths.</p> <p>128.00-129.00: gneiss and non-Paleozoic xenoliths are more common.</p> <p>129.00-129.60: broken and ground core, 0.40 cm of core are missing; some fragments recovered are very rusty.</p> <p>@131.85: trace pyrite on fracture; pyrite is very fine-grained and botryoidal in habit.</p> <p>@132.75: trace very fine-grained pyrite on micro fractures.</p> <p>133.00-133.65: several cavities or fractures, 10-20 x 3-5 cm, coated with drusy calcite.</p> <p>133.95-134.38: 10% 10-20 mm diameter mantle xenoliths.</p> <p>@135.40: 5-20 mm xenoliths (mainly of limestone) become more abundant.</p> <p>@136.95: few chrome diopsides and one orange garnet; some coarse-grained phlogopite nearby.</p> <p>@137.68: 20 mm mantle xenolith with abundant chrome diopside and olivine.</p> <p>@138.84: 3x6 mm mass of orange garnet.</p> <p>@140.98: one chrome diopside, 2 mm diameter.</p> <p>142.00-144.00: several 1-2 mm masses of chrome diopside, deep green in colour; and one or two masses of magnetite.</p>	00016	129.00	135.00	5.32	4	20.5	131.10	131.38	0.28
			00017	tag destroyed by RDT							
			00018	135.00	141.00	5.75	8	22.25	137.65	137.90	0.25
			00019	141.00	147.00	5.78	5	22.5	145.28	145.50	0.22

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FROM	TO	DESCRIPTION	Analytical Sample					Representative Sample			
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
51.00	180.00	<p>KIMBERLITE, Hypabyssal (Continued)</p> <p>@145.40: 5x3 mm diameter mass of orange garnet.</p> <p>147.00-147.13: limestone xenoliths comprise 80% of core.</p> <p>148.84-148.90: very broken, rusty core.</p> <p>149.98-150.08: limestone xenolith.</p> <p>@151.12: trace pyrite as 1 mm grain adjacent to micro fracture.</p> <p>151.28-151.38: limestone xenolith.</p> <p>151.45-152.56: core is quite soft and highly pitted. The kimberlite is more granular and has a fine-grained matrix with 15% aphanitic serpentine.</p> <p>155.75-156.45: very pitted core, soft.</p> <p>157.28-158.31: very pitted core, soft.</p> <p>@160.00: 4x10 mm range garnet.</p> <p>@160.00: begins to contain trace-1% well rounded, megacrystic olivine up to 15x25 mm in size.</p> <p>@162.18: 1-10 mm wide fracture filled with breccia composed of 50% 1-3 mm diameter, angular, fragments of kimberlite in a fine-grained calcite groundmass.</p> <p>@163.74: cavity, 10 mm diameter, filled with drusy calcite.</p> <p>164.42-165.25: core is moderately pitted.</p> <p>@165.00: 40 mm cavity coated with drusy calcite.</p> <p>165.05-165.15: 20% megacrystic olivine and mantle xenoliths.</p>	00020	147.00	153.00	5.82	8	22.25	151.69	151.87	0.18
			00021	153.00	159.00	5.73	4	21.8	158.41	158.68	0.27
			00022	159.00	165.00	5.75	3	22.25	160.35	160.6	0.25
			00023	165.00	171.00	5.73	5	22.00	165.28	165.55	0.2

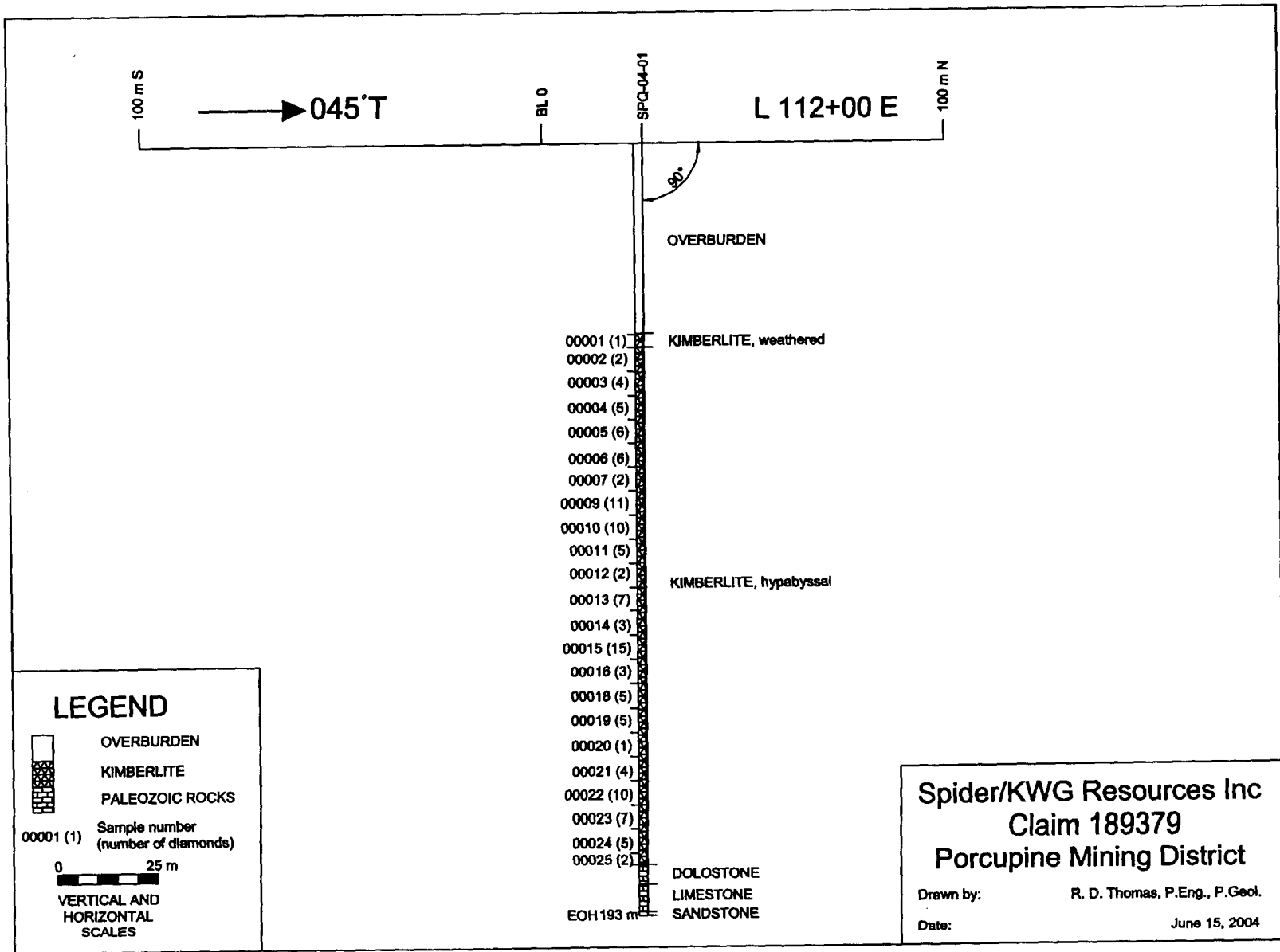
Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-01

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FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
51.00	180.00	<p>KIMBERLITE, Hypabyssal (Continued)</p> <p>@165.25: 1-2 mm calcite filled fractures become very common, causing the core to be recovered only in small lengths.</p> <p>167.60-168.12: 30% 10 mm xenoliths, some moderately altered.</p> <p>@168.24: 50 mm xenolith, totally altered to serpentine.</p> <p>@168.35: 10 mm diameter olivine become abundant (~3%).</p> <p>@170.00: core begins to have 0.1-0.5 m brownish sections resulting from oxidation adjacent to fractures.</p> <p>@170.81: trace chalcopryrite - one grain 2 mm in diameter.</p> <p>@171.60: one 2 mm diameter orange garnet.</p> <p>172.15-173.52: trace-1% coarse-grained phlogopite.</p> <p>172.37-172.75: abundant mantle xenoliths, 5-10 mm in diameter.</p> <p>174.30-174.80: several 1 mm chrome diopsides.</p> <p>175.34-175.43: limestone xenolith, moderately altered to serpentine, highly fractured.</p> <p>@175.40: 10 mm diameter mass of orange garnet.</p> <p>175.95-177.08: 20% xenoliths, limestone, 20 mm diameter.</p> <p>176.35-176.68: limestone xenolith.</p> <p>176.95-177.05: limestone xenolith.</p> <p>@177.05: becomes intensely fractured; fracture filled with <1 mm seams of calcite. Olivine megacrysts, 5-10 mm diameter, become very abundant. Limestone xenolith abundance decreases.</p> <p>@177.43: 2 mm diameter orange garnet.</p>	00024	171.00	177.00	5.71	7	22.25	172.02	172.31	0.29
			00025	177.00	180.00	2.85	2	11.00	179.61	179.76	0.15



DIAMOND ANALYSES

Client Reference	Work Order Name	Client Sample Ref	Proc Date Started	Proc Total Primary Burn Weight	Proc No Primary Burns	Proc No Re Burns	Proc No Micro Burns	Proc Date Completed	Obs No Stones	Obs No Synthetics
Billiken Submittal	04MD013	00001	20-Apr-04	8.27	1		1	29-Apr-04	1	0
Billiken Submittal	04MD013	00002	20-Apr-04	21.45	3	2	1	03-May-04	2	0
Billiken Submittal	04MD013	00003	20-Apr-04	21.65	3	1	1	06-May-04	4	0
Billiken Submittal	04MD013	00004	21-Apr-04	19.65	2	1	1	03-May-04	5	0
Billiken Submittal	04MD013	00005	21-Apr-04	22	3	1	1	03-May-04	6	0
Billiken Submittal	04MD013	00006	21-Apr-04	20.34	2	1	1	03-May-04	6	0
Billiken Submittal	04MD013	00007	21-Apr-04	20.8	2	1	1	07-May-04	2	0
Billiken Submittal	04MD013	00009	22-Apr-04	20.41	2	1	2	11-May-04	11	0
Billiken Submittal	04MD013	00010	22-Apr-04	20.71	2	1	1	07-May-04	10	0
Billiken Submittal	04MD013	00011	22-Apr-04	20.7	2	1	1	07-May-04	5	0
Billiken Submittal	04MD013	00012	26-Apr-04	19.67	2	1	1	11-May-04	2	0
Billiken Submittal	04MD013	00013	26-Apr-04	20.89	3	1	1	11-May-04	7	0
Billiken Submittal	04MD013	00014	26-Apr-04	20.1	2	1	1	11-May-04	3	2
Billiken Submittal	04MD013	00015	27-Apr-04	21.02	3	1	1	14-May-04	15	2
Billiken Submittal	04MD013	00016	27-Apr-04	19.42	2	1	1	11-May-04	3	1
Billiken Submittal	04MD013	00018	27-Apr-04	21.05	3	1	1	11-May-04	5	0
Billiken Submittal	04MD013	00019	30-Apr-04	21.58	3	1	1	13-May-04	5	3
Billiken Submittal	04MD013	00020	03-May-04	21.09	3	1	1	14-May-07	1	1
Billiken Submittal	04MD013	00021	03-May-04	20.84	2	1	1	14-May-04	4	1
Billiken Submittal	04MD013	00022	03-May-04	21.28	3	1	1	14-May-04	10	1
Billiken Submittal	04MD013	00023	04-May-04	20.97	3	2		17-May-04	7	0
Billiken Submittal	04MD013	00024	04-May-04	21.22	3	1	1	17-May-07	5	2
Billiken Submittal	04MD013	00025	04-May-04	10.09	1	1	1	17-May-04	2	0

DIAMOND ANALYSES

Work Order Name	Client Sample Ref	Stone No	Test Sieve	Stock Ex Sieve	X	Y	Z	Wt Meas	Terrac	Fragmentation	Form
04MD013	00001	1	0.150	<0.500	0.3	0.26	0.16	21964.8	CE21	Fragment	OCTAHEDRAL AGGREGATE
04MD013	00002	1	0.150	<0.500	0.23	0.21	0.21	17851.68	BE10	Intact	OCTAHEDROID
04MD013	00002	2	0.150	<0.500	0.23	0.22	0.2	17811.2	AB31	Intact	CUBE
04MD013	00003	1	0.212	<0.500	0.34	0.28	0.26	43563.52	BE22	Intact	OCTAHEDRAL AGGREGATE
04MD013	00003	2	0.150	<0.500	0.24	0.22	0.16	14868.48	BW00	Intact	OCTAHEDROID
04MD013	00003	3	0.150	<0.500	0.22	0.18	0.18	12545.28	BW01	Intact	MACLE
04MD013	00003	4	0.150	<0.500	0.32	0.27	0.19	28892.16	AW02	Intact	OCTAHEDROID
04MD013	00004	1	0.300	<0.500	0.6	0.46	0.37	179731.2	BB10	Intact	OCTAHEDROID
04MD013	00004	2	0.212	<0.500	0.35	0.33	0.3	60984	BE33	Intact	OCTAHEDRAL AGGREGATE
04MD013	00004	3	0.150	<0.500	0.26	0.25	0.21	24024	BE11	Intact	MACLE
04MD013	00004	4	0.150	<0.500	0.19	0.19	0.17	10801.12	AE11	Intact	CUBE
04MD013	00004	5	0.150	<0.500	0.31	0.23	0.21	26352.48	BW01	Intact	MACLE
04MD013	00005	1	0.212	<0.500	0.32	0.3	0.2	33792	BE11	Intact	MACLE
04MD013	00005	2	0.150	<0.500	0.3	0.24	0.22	27878.4	BE22	Intact	OCTAHEDRAL AGGREGATE
04MD013	00005	3	0.150	<0.500	0.31	0.26	0.18	25534.08	BE23	Intact	TETRAHEXAHEDROID
04MD013	00005	4	0.150	<0.500	0.28	0.18	0.17	15079.68	CW01	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES
04MD013	00005	5	0.150	<0.500	0.26	0.22	0.15	15100.8	BW00	Intact	MACLE
04MD013	00005	6	0.150	<0.500	0.24	0.19	0.15	12038.4	BE11	Intact	MACLE
04MD013	00006	1	0.300	<0.500	0.46	0.4	0.35	113344	AB21	Intact	OCTAHEDROID
04MD013	00006	2	0.212	<0.500	0.33	0.28	0.26	42282.24	BE23	Intact	OCTAHEDRAL AGGREGATE
04MD013	00006	3	0.150	<0.500	0.4	0.28	0.17	33510.4	CW01	Fragment	IRREGULAR
04MD013	00006	4	0.150	<0.500	0.21	0.2	0.18	13305.6	BW00	Intact	MACLE
04MD013	00006	5	0.150	<0.500	0.27	0.25	0.17	20196	CW00	Fragment	IRREGULAR
04MD013	00006	6	0.150	<0.500	0.28	0.24	0.1	11827.2	BE10	Intact	MACLE
04MD013	00007	1	0.150	<0.500	0.26	0.24	0.2	21964.8	BE11	Intact	OCTAHEDROID
04MD013	00007	2	0.150	<0.500	0.2	0.2	0.17	11968	BW01	Intact	CUBE
04MD013	00009	1	0.212	<0.500	0.38	0.28	0.23	43070.72	BW00	Intact	OCTAHEDRAL AGGREGATE
04MD013	00009	2	0.212	<0.500	0.38	0.37	0.28	69287.68	CE11	Fragment	OCTAHEDROID
04MD013	00009	3	0.212	<0.500	0.34	0.3	0.22	39494.4	AE10	Intact	OCTAHEDROID
04MD013	00009	4	0.212	<0.500	0.36	0.3	0.19	36115.2	BB21	Intact	CUBE
04MD013	00009	5	0.212	<0.500	0.32	0.29	0.15	24499.2	BE11	Intact	OCTAHEDRAL AGGREGATE
04MD013	00009	6	0.212	<0.500	0.36	0.27	0.16	27371.52	BE31	Intact	OCTAHEDRAL AGGREGATE
04MD013	00009	7	0.150	<0.500	0.22	0.2	0.15	11616	BE31	Intact	OCTAHEDRAL AGGREGATE
04MD013	00009	8	0.150	<0.500	0.28	0.19	0.18	16853.76	BE10	Intact	TWIN OCTAHEDROID
04MD013	00009	9	0.150	<0.500	0.27	0.2	0.19	18057.6	BE11	Intact	MACLE

DIAMOND ANALYSES

Client Sample Ref	Stone No	Colour	Clarity	Intensity	Internal Defects Factor	Resorption	Surface Features	Obs Date	Observer
00001	1	Grey	Transparent	2	1	5		20-May-04	JB
00002	1	Grey	Transparent	1	0	3-4		20-May-04	JB
00002	2	Brown	Transparent	3	1	4	QUADRONS	20-May-04	JB
00003	1	Grey	Transparent	2	2	4		20-May-04	JB
00003	2	White	Transparent	0	0	5-6	STEPPED	20-May-04	JB
00003	3	White	Transparent	0	1	4		20-May-04	JB
00003	4	White	Transparent	0	2	5		20-May-04	JB
00004	1	Brown	Transparent	1	0	5		20-May-04	JB
00004	2	Grey	Transparent	3	3	4	STEPPED	20-May-04	JB
00004	3	Grey	Transparent	1	1	5		20-May-04	JB
00004	4	Grey	Transparent	1	1	4		20-May-04	JB
00004	5	White	Transparent	0	1	4-5		20-May-04	JB
00005	1	Grey	Transparent	1	1	6	STEPPED	20-May-04	JB
00005	2	Grey	Transparent	2	2	4		20-May-04	JB
00005	3	Grey	Transparent	2	3	3		20-May-04	JB
00005	4	White	Transparent	0	1	5		20-May-04	JB
00005	5	White	Transparent	0	0	5		20-May-04	JB
00005	6	Grey	Transparent	1	1	5	STEPPED	20-May-04	JB
00006	1	Brown	Transparent	2	1	4		20-May-04	JB
00006	2	Grey	Transparent	2	3	5-6	STEPPED	20-May-04	JB
00006	3	White	Transparent	0	1	-		20-May-04	JB
00006	4	White	Transparent	0	0	5		20-May-04	JB
00006	5	White	Transparent	0	0	-		20-May-04	JB
00006	6	Grey	Transparent	1	0	6		20-May-04	JB
00007	1	Grey	Transparent	1	1	4	STEPPED	20-May-04	JB
00007	2	White	Transparent	0	1	4	QUADRONS	20-May-04	JB
00009	1	White	Transparent	0	0	4-5		19-May-04	JB
00009	2	Grey	Transparent	1	1	6	STEPPED, CAVITY	19-May-04	JB
00009	3	Grey	Transparent	1	0	5	STEPPED	19-May-04	JB
00009	4	Brown	Transparent	2	1	4	QUADRONS	19-May-04	JB
00009	5	Grey	Transparent	1	1	4		19-May-04	JB
00009	6	Grey	Transparent	3	1	5	STEPPED, FROST	19-May-04	JB
00009	7	Grey	Transparent	3	1	4	STEPPED	19-May-04	JB
00009	8	Grey	Transparent	1	0	4		19-May-04	JB
00009	9	Grey	Transparent	1	1	4		19-May-04	JB

DIAMOND ANALYSES

Work Order Name	Client Sample Ref	Stone No	Test Sieve	Stock Ex Sieve	X	Y	Z	Wt Meas	Terrac	Fragmentation	Form
04MD013	00009	10	0.150	<0.500	0.3	0.24	0.14	17740.8	BE11	Fragment	OCTAHEDRAL AGGREGATE
04MD013	00009	11	0.150	<0.500	0.28	0.21	0.18	18627.84	BE10	Intact	TWIN OCTAHEDROID
04MD013	00010	1	0.212	<0.500	0.45	0.35	0.23	63756	BE11	Intact	OCTAHEDROID
04MD013	00010	2	0.212	<0.500	0.45	0.37	0.22	64468.8	CE33	Fragment	IRREGULAR
04MD013	00010	3	0.212	<0.500	0.4	0.3	0.25	52800	BE21	Intact	OCTAHEDROID
04MD013	00010	4	0.212	<0.500	0.36	0.29	0.22	40423.88	BW00	Intact	MACLE
04MD013	00010	5	0.212	<0.500	0.51	0.43	0.21	81053.28	CE21	Fragment	IRREGULAR
04MD013	00010	6	0.150	<0.500	0.33	0.22	0.19	24277.44	BE24	Intact	OCTAHEDROID
04MD013	00010	7	0.150	<0.500	0.3	0.23	0.2	24288	AE11	Intact	OCTAHEDROID
04MD013	00010	8	0.150	<0.500	0.26	0.2	0.21	19219.2	AE11	Intact	OCTAHEDROID
04MD013	00010	9	0.150	<0.500	0.32	0.22	0.24	29736.96	BW01	Intact	MACLE
04MD013	00010	10	0.150	<0.500	0.22	0.19	0.19	13977.92	BW00	Intact	MACLE
04MD013	00011	1	0.300	<0.500	0.43	0.38	0.37	106406.08	AB20	Intact	OCTAHEDROID
04MD013	00011	2	0.212	<0.500	0.47	0.31	0.24	61543.88	BE21	Intact	OCTAHEDRAL AGGREGATE
04MD013	00011	3	0.212	<0.500	0.4	0.31	0.23	50195.2	BE11	Intact	OCTAHEDROID
04MD013	00011	4	0.150	<0.500	0.27	0.26	0.19	23474.88	BW00	Intact	OCTAHEDRAL AGGREGATE
04MD013	00011	5	0.150	<0.500	0.35	0.21	0.24	31046.4	CB31	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES
04MD013	00012	1	0.212	<0.500	0.43	0.3	0.17	38596.8	CB11	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES
04MD013	00012	2	0.150	<0.500	0.26	0.23	0.18	18944.64	BW01	Intact	OCTAHEDROID
04MD013	00013	1	0.425	<0.500	0.76	0.55	0.63	463478.4	BE31	Intact	OCTAHEDROID
04MD013	00013	2	0.150	<0.500	0.23	0.2	0.14	11334.4	AE20	Intact	OCTAHEDROID
04MD013	00013	3	0.150	<0.500	0.65	0.24	0.12	32947.2	CB10	Fragment	IRREGULAR
04MD013	00013	4	0.150	<0.500	0.23	0.23	0.21	19551.84	BE22	Intact	OCTAHEDRAL AGGREGATE
04MD013	00013	5	0.150	<0.500	0.24	0.22	0.22	20444.16	AE10	Intact	OCTAHEDROID
04MD013	00013	6	0.150	<0.500	0.27	0.16	0.16	12165.12	CE23	Fragment	IRREGULAR
04MD013	00013	7	0.150	<0.500	0.21	0.19	0.15	10533.6	BE11	Intact	MACLE
04MD013	00014	1	0.212	<0.500	0.34	0.26	0.32	49786.88	BB20	Intact	OCTAHEDRAL AGGREGATE
04MD013	00014	2	0.150	<0.500	0.21	0.18	0.17	11309.76	CE11	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES
04MD013	00014	3	0.150	<0.500	0.27	0.22	0.19	19863.36	BB10	Intact	OCTAHEDROID
04MD013	00015	1	0.212	<0.500	0.29	0.28	0.21	3011.52	BE31	Intact	MACLE
04MD013	00015	2	0.212	<0.500	0.38	0.32	0.3	64204.8	CE21	Fragment	OCTAHEDRAL AGGREGATE
04MD013	00015	3	0.212	<0.500	0.51	0.35	0.3	94248	BE22	Intact	OCTAHEDRAL AGGREGATE
04MD013	00015	4	0.212	<0.500	0.41	0.26	0.32	60037.12	CE23	Fragment	OCTAHEDROID
04MD013	00015	5	0.150	<0.500	0.2	0.2	0.15	10560	BE11	Intact	MACLE
04MD013	00015	6	0.150	<0.500	0.22	0.21	0.14	11383.68	CE23	Fragment	IRREGULAR

DIAMOND ANALYSES

Client Sample Ref	Stone No	Colour	Clarity	Intensity	Internal Defects Factor	Resorption	Surface Features	Obs Date	Observer
00009	10	Grey	Transparent	1	1	5	STEPPED	19-May-04	JB
00009	11	Grey	Transparent	1	0	5		19-May-04	JB
00010	1	Grey	Transparent	1	1	5	STEPPED	20-May-04	JB
00010	2	Grey	Transparent	3	3	-		20-May-04	JB
00010	3	Grey	Transparent	2	1	5	STEPPED	20-May-04	JB
00010	4	White	Transparent	0	0	5	STEPPED	20-May-04	JB
00010	5	Grey	Transparent	2	1	-		20-May-04	JB
00010	6	Grey	Transparent	2	4	5		20-May-04	JB
00010	7	Grey	Transparent	1	1	4-5		20-May-04	JB
00010	8	Grey	Transparent	1	1	5	STEPPED	20-May-04	JB
00010	9	White	Transparent	0	1	5	STEPPED	20-May-04	JB
00010	10	White	Transparent	0	0	5	STEPPED	20-May-04	JB
00011	1	Brown	Transparent	2	0	5		20-May-04	JB
00011	2	Grey	Transparent	2	1	4		20-May-04	JB
00011	3	Grey	Transparent	1	1	4-5		20-May-04	JB
00011	4	White	Transparent	0	0	6		20-May-04	JB
00011	5	Brown	Transparent	3	1	5		20-May-04	JB
00012	1	Brown	Transparent	1	1	5		19-May-04	JB
00012	2	White	Transparent	0	1	5-6	STEPPED	19-May-04	JB
00013	1	Grey	Transparent	3	1	5	STEPPED	19-May-04	JB
00013	2	Grey	Transparent	2	0	4		19-May-04	JB
00013	3	Brown	Transparent	1	0	-		19-May-04	JB
00013	4	Grey	Transparent	2	2	4		19-May-04	JB
00013	5	Grey	Transparent	1	0	5	STEPPED	19-May-04	JB
00013	6	Grey	Transparent	2	3	-		19-May-04	JB
00013	7	Grey	Transparent	1	1	6	STEPPED	19-May-04	JB
00014	1	Brown	Transparent	2	0	4		19-May-04	JB
00014	2	Grey	Transparent	1	1	4-5		19-May-04	JB
00014	3	Brown	Transparent	1	0	5		19-May-04	JB
00015	1	Grey	Transparent	3	1	5	STEPPED	19-May-04	JB
00015	2	Grey	Transparent	2	1	5	STEPPED	19-May-04	JB
00015	3	Grey	Transparent	2	2	5	STEPPED	19-May-04	JB
00015	4	Grey	Transparent	2	3	5	STEPPED	19-May-04	JB
00015	5	Grey	Transparent	1	1	5		19-May-04	JB
00015	6	Grey	Transparent	2	3	-		19-May-04	JB

DIAMOND ANALYSES

Work Order Name	Client Sample Ref	Stone No	Test Sieve	Stock Ex Sieve	X	Y	Z	Wt Meas	Terrac	Fragmentation	Form
04MD013	00015	7	0.150	<0.500	0.32	0.17	0.18	17233.92	BE12	Intact	OCTAHEDRAL AGGREGATE
04MD013	00015	8	0.150	<0.500	0.27	0.23	0.21	22952.16	AE10	Intact	OCTAHEDROID
04MD013	00015	9	0.150	<0.500	0.26	0.18	0.17	14002.56	BE10	Intact	OCTAHEDRAL AGGREGATE
04MD013	00015	10	0.150	<0.500	0.29	0.23	0.22	25826.24	AE12	Intact	OCTAHEDROID
04MD013	00015	11	0.150	<0.500	0.23	0.21	0.17	14451.36	BE21	Intact	OCTAHEDRAL AGGREGATE
04MD013	00015	12	0.150	<0.500	0.25	0.22	0.17	16456	BE21	Intact	MACLE
04MD013	00015	13	0.150	<0.500	0.2	0.2	0.15	10560	CE10	Fragment	OCTAHEDROID
04MD013	00015	14	0.150	<0.500	0.27	0.2	0.19	18057.6	BE31	Intact	MACLE
04MD013	00015	15	0.150	<0.500	0.25	0.19	0.18	15048	BE31	Intact	MACLE
04MD013	00016	1	0.212	<0.500	0.41	0.39	0.23	64727.52	BE11	Intact	MACLE
04MD013	00016	2	0.212	<0.500	0.43	0.32	0.22	53278.72	BW02	Intact	MACLE
04MD013	00016	3	0.150	<0.500	0.26	0.19	0.18	15849.92	AW00	Intact	OCTAHEDROID
04MD013	00018	1	0.600	0.500	1.45	0.96	0.77	1886438.4	CB33	Fragment	IRREGULAR
04MD013	00018	2	0.212	<0.500	0.43	0.3	0.27	61300.8	BE23	Intact	OCTAHEDROID
04MD013	00018	3	0.212	<0.500	0.31	0.28	0.2	30553.6	BW00	Intact	MACLE
04MD013	00018	4	0.150	<0.500	0.19	0.17	0.16	9095.68	BE21	Intact	CUBE
04MD013	00018	5	0.150	<0.500	0.28	0.19	0.16	14981.12	BW01	Intact	OCTAHEDRAL AGGREGATE
04MD013	00019	1	0.300	<0.500	0.96	0.46	0.2	155443.2	CW00	Fragment	IRREGULAR
04MD013	00019	2	0.212	<0.500	0.32	0.2	0.26	29286.4	BB21	Intact	OCTAHEDROID
04MD013	00019	3	0.212	<0.500	0.32	0.29	0.28	45731.84	BE23	Intact	IRREGULAR WITH TETRAHEXAHEDRAL FEATURES
04MD013	00019	4	0.212	<0.500	0.27	0.24	0.21	23950.08	CB33	Fragment	OCTAHEDRAL AGGREGATE
04MD013	00019	5	0.212	<0.500	0.38	0.33	0.3	66211.2	BW01	Intact	OCTAHEDROID
04MD013	00020	1	0.212	<0.500	0.38	0.21	0.26	36516.48	BW01	Intact	MACLE
04MD013	00021	1	0.150	<0.500	0.22	0.19	0.19	13977.92	BE11	Intact	OCTAHEDROID
04MD013	00021	2	0.150	<0.500	0.32	0.21	0.16	18923.52	BE11	Intact	OCTAHEDRAL AGGREGATE
04MD013	00021	3	0.150	<0.500	0.25	0.24	0.2	21120	BW01	Intact	OCTAHEDRAL AGGREGATE
04MD013	00021	4	0.150	<0.500	0.32	0.23	0.17	22021.12	CE11	Fragment	IRREGULAR
04MD013	00022	1	0.300	<0.500	0.42	0.36	0.22	58544.64	CB32	Fragment	IRREGULAR
04MD013	00022	2	0.300	<0.500	0.47	0.4	0.27	89337.6	BE12	Intact	OCTAHEDROID
04MD013	00022	3	0.300	<0.500	0.44	0.34	0.23	60558.08	CB32	Fragment	IRREGULAR
04MD013	00022	4	0.300	<0.500	0.46	0.38	0.34	104600.32	BB21	Intact	OCTAHEDRAL AGGREGATE
04MD013	00022	5	0.150	<0.500	0.49	0.22	0.15	28459.2	CB22	Fragment	IRREGULAR
04MD013	00022	6	0.212	<0.500	0.3	0.28	0.24	35481.6	BW02	Intact	MACLE
04MD013	00022	7	0.212	<0.500	0.31	0.3	0.19	31099.2	CE11	Fragment	IRREGULAR
04MD013	00022	8	0.212	<0.500	0.36	0.27	0.23	39346.58	BE13	Intact	MACLE

DIAMOND ANALYSES

Client Sample Ref	Stone No	Colour	Clarity	Intensity	Internal Defects Factor	Resorption	Surface Features	Obs Date	Observer
00015	7	Grey	Transparent	1	2	5	STEPPED	19-May-04	JB
00015	8	Grey	Transparent	1	0	4		19-May-04	JB
00015	9	Grey	Transparent	1	0	5	STEPPED	19-May-04	JB
00015	10	Grey	Transparent	1	2	5	STEPPED	19-May-04	JB
00015	11	Grey	Transparent	2	1	5	STEPPED	19-May-04	JB
00015	12	Grey	Transparent	2	1	5	STEPPED	19-May-04	JB
00015	13	Grey	Transparent	1	0	5	STEPPED	19-May-04	JB
00015	14	Grey	Transparent	3	1	4-5	STEPPED	19-May-04	JB
00015	15	Grey	Transparent	3	1	5	STEPPED	19-May-04	JB
00016	1	Grey	Transparent	1	1	4		19-May-04	JB
00016	2	White	Transparent	0	2	6	STEPPED	19-May-04	JB
00016	3	White	Transparent	0	0	5-6	STEPPED	19-May-04	JB
00018	1	Green/Brow	Transparent	3	3	-		20-May-04	JB
00018	2	Grey	Transparent	2	3	5		20-May-04	JB
00018	3	White	Transparent	0	0	5		20-May-04	JB
00018	4	Grey	Transparent	2	1	4	QUADRONS	20-May-04	JB
00018	5	White	Transparent	0	1	5		20-May-04	JB
00019	1	White	Transparent	0	0	-		20-May-04	JB
00019	2	Brown	Transparent	2	1	5	STEPPED	20-May-04	JB
00019	3	Grey	Transparent	2	3	2	QUADRONS	20-May-04	JB
00019	4	Brown	Transparent	3	3	5	STEPPED	20-May-04	JB
00019	5	White	Transparent	0	1	5	STEPPED	20-May-04	JB
00020	1	White	Transparent	0	1	5	STEPPED	20-May-04	JB
00021	1	Grey	Transparent	1	1	5	STEPPED	20-May-04	JB
00021	2	Grey	Transparent	1	1	4-5	STEPPED	20-May-04	JB
00021	3	White	Transparent	0	1	5		20-May-04	JB
00021	4	Grey	Transparent	1	1	-		20-May-04	JB
00022	1	Brown	Transparent	3	2	-		20-May-04	JB
00022	2	Grey	Transparent	1	2	5	STEPPED	20-May-04	JB
00022	3	Brown	Transparent	3	2	-		20-May-04	JB
00022	4	Brown	Transparent	2	1	4-5		20-May-04	JB
00022	5	Brown	Transparent	2	2	-		20-May-04	JB
00022	6	White	Transparent	0	2	5		20-May-04	JB
00022	7	Grey	Transparent	1	1	-		20-May-04	JB
00022	8	Grey	Transparent	1	3	4		20-May-04	JB

DIAMOND ANALYSES

Work Order Name	Client Sample Ref	Stone No	Test Sieve	Stock Ex Sieve	X	Y	Z	Wt Meas	Terrac	Fragmentation	Form
04MD013	00022	9	0.150	<0.500	0.28	0.21	0.18	18627.84	AE11	Intact	OCTAHEDROID
04MD013	00022	10	0.150	<0.500	0.3	0.21	0.14	15523.2	CE12	Fragment	IRREGULAR
04MD013	00023	1	0.425	0.500	0.61	0.61	0.6	392937.6	CE22	Fragment	OCTAHEDROID
04MD013	00023	2	0.106	<0.500	0.28	0.26	0.24	30750.72	AB21	Intact	CUBE
04MD013	00023	3	0.150	<0.500	0.26	0.18	0.19	15649.92	CE11	Fragment	OCTAHEDROID
04MD013	00023	4	0.150	<0.500	0.22	0.2	0.2	15488	BW01	Intact	OCTAHEDRAL AGGREGATE
04MD013	00023	5	0.150	<0.500	0.18	0.18	0.17	9694.08	AE31	Intact	CUBE
04MD013	00023	6	0.150	<0.500	0.24	0.21	0.15	13305.6	BE10	Intact	MACLE
04MD013	00023	7	0.150	<0.500	0.24	0.16	0.19	12840.96	BE22	Intact	OCTAHEDRAL AGGREGATE
04MD013	00024	1	0.212	<0.500	0.53	0.37	0.25	86284	BE12	Intact	OCTAHEDROID
04MD013	00024	2	0.212	<0.500	0.54	0.28	0.24	63866.88	BE23	Intact	OCTAHEDRAL AGGREGATE
04MD013	00024	3	0.212	<0.500	0.48	0.37	0.25	78144	CB31	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES
04MD013	00024	4	0.150	<0.500	0.29	0.22	0.18	20211.84	BE12	Intact	CUBOID
04MD013	00024	5	0.150	<0.500	0.23	0.2	0.21	17001.6	BE11	Intact	OCTAHEDRAL AGGREGATE
04MD013	00025	1	0.212	<0.500	0.31	0.25	0.26	35464	BE11	Intact	MACLE
04MD013	00025	2	0.150	<0.500	0.27	0.2	0.24	22809.6	BE11	Intact	CUBE

DIAMOND ANALYSES

Client Sample Ref	Stone No	Colour	Clarity	Intensity	Internal Defects Factor	Resorption	Surface Features	Obs Date	Observer
00022	9	Grey	Transparent	1	1	5	STEPPED	20-May-04	JB
00022	10	Grey	Transparent	1	2	-		20-May-04	JB
00023	1	Grey	Transparent	2	2	4	STEPPED	20-May-04	JB
00023	2	Brown	Transparent	2	1	4-5		20-May-04	JB
00023	3	Grey	Transparent	1	1	5	STEPPED	20-May-04	JB
00023	4	White	Transparent	0	1	4-5	STEPPED	20-May-04	JB
00023	5	Grey	Transparent	3	1	4	QUADRONS	20-May-04	JB
00023	6	Grey	Transparent	1	0	4		20-May-04	JB
00023	7	Grey	Transparent	2	2	4	STEPPED	20-May-04	JB
00024	1	Grey	Transparent	1	2	5-6	STEPPED	20-May-04	JB
00024	2	Grey	Transparent	2	3	4		20-May-04	JB
00024	3	Brown	Transparent	3	1	5		20-May-04	JB
00024	4	Grey	Transparent	1	2	3-4	CAVITY	20-May-04	JB
00024	5	Grey	Transparent	1	1	4-5		20-May-04	JB
00025	1	Grey	Transparent	1	1	5	STEPPED	20-May-04	JB
00025	2	Grey	Transparent	1	1	4		20-May-04	JB

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date <u>7/04/84</u> Shift <u>NIGHT</u> Machine No. <u>360</u> Heure de travail # de la machine Drilling at <u>BILLIKEN</u> Hole Angle <u>90</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m <u>SPQ-04-01 0 18m 18m</u>	Drilling/Forage..... Hrs Mhr Drilling From/Forage de..... TO/à..... Overburden/Mortterrain..... Hrs Mhr Overburden From/Mort terrain de..... TO/à..... Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement..... 2 Rhr 4 Mhr From/de#..... TO/à#..... Distance..... Pulling Casing/Retirer tubage..... Rhr Mhr Cemented At/Cimenter à..... ft/m Rhr Mhr Cement to set/Durcir le ciment..... Rhr Mhr Drilling Cement/Forage du ciment..... Rhr Mhr From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... Rhr Mhr Waterline At/Ligne d'eau à..... ft/m Rhr Mhr Survey Testing At/Assessment à..... ft/m Rhr Mhr Acid Testing At/Analyse (acide)..... ft/m Rhr Mhr Delays/Retard (.....)..... Rhr Mhr Walking Time/Temp de marche..... Rhr Mhr Wedging At/Coincer le trou à..... ft/m Rhr Mhr Other/Autre..... Rhr Mhr (What?)/(Quoi?)..... Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td style="text-align: center;">12</td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Casing Recovered/Tubage récupérer:</td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> R. Foreman/Contremaître opérateur..... Hrs Runner/Opérateur <u>MURRAY TULLMAN</u> 12 Hrs Runner/Opérateur..... Hrs Helper/Assistant <u>WAYNE BESJARDINS</u> 12 Hrs Helper/Assistant..... Hrs Other/Autre..... Hrs		AW	BW	NW	HW	2'					5'		12			10'					Casing Recovered/Tubage récupérer:	AW	BW	NW	HW	2'					5'					10'				
	AW	BW	NW	HW																																					
2'																																									
5'		12																																							
10'																																									
Casing Recovered/Tubage récupérer:	AW	BW	NW	HW																																					
2'																																									
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10'																																									
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Drilling/Forage..... 20 Rhr 20 Mhr																																									
Overburden/Mortterrain..... 10 Rhr 20 Mhr																																									
Moving/Déplacement..... Rhr Mhr																																									
Walking Time/Tempsdemarche..... Rhr Mhr																																									
Repairing/Réparation..... Rhr Mhr																																									
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Other/Autre..... Rhr Mhr																																									
(What?)/(Quoi?).....																																									
Materials Used, Lost or Damaged																																									
Matériels utiliser, perdu ou endommager:																																									
FINISH BERRY WATER LINE RUN CASING HAD IN TO CLEAN ROCKS OUT CASING finish setting up.																																									

GENERAL REMARKS/Observations général: Drill with rods to 21m on hard rock.

APPROVED BY: Roger Thomas CO. REP. Dennis Fisher FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps
Date: <u>8/04/04</u> Shift: <u>Day</u> Machine No. <u>300</u> Lieu de forage: <u>Billiken</u> # de la machine: <u>90</u> Hole Angle: <u>90</u> Overburden: Hole No. # du trou: <u>SP004.01</u> From De: <u>18</u> To A: <u>40m</u> Total ft/m: <u>22m</u> Drilling: Hole No. From To Total ft/m Bit No. # de mèche: <u>3E0183</u> Type: <u>BW</u> ft/m: <u>22m</u> Shell No. # de la cartouche: Type: <u>BW</u> ft/m: <u>22m</u> TIME DISTRIBUTION/ Distribution de temps Drilling/Forage: <u>10</u> Rhr. <u>20</u> Mhr Overburden/Mortterrain: Rhr. Mhr Moving/Déplacement: Rhr. Mhr Walking Time/Tempsdemarche: Rhr. Mhr Repairing/Réparation: <u>1</u> Rhr. <u>2</u> Mhr (What?)/(Quoi?): <u>Hydrolick lick's</u> Other/Autre: Rhr. Mhr (What?)/(Quoi?): Casing Placed in Hole/ Tubage placer dans le trou: AW BW NW HW 2' 5' 10' Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérats: <u>Denis Michal</u> 12 Hrs Runner/Opérateur: Hrs Runner/Opérateur: Hrs Helper/Assistant: <u>Jh. Baril</u> 12 Hrs Helper/Assistant: Hrs Other/Autre: Hrs	Drilling/Forage: Hrs. Mhr Drilling From/Forage de: TO/à. Overburden/Mortterrain: Hrs. Mhr Overburden From/Mort terrain de: TO/à. Bit No. # de mèche: Type: <u>1</u> ft/m: <u>2</u> pd/m Shoe No.: Type: ft/m. Shell No. # de la cartouche: Type: <u>1</u> ft/m: <u>2</u> pd/m Moving/Déplacement: Rhr. <u>2</u> Mhr From/de# TO/à# Distance: Pulling Casing/Retirer tubage: Rhr. Mhr Cemented At/Cimenter à: ft/m. Rhr. Mhr Cement to set/Durcir le ciment: Rhr. Mhr Drilling Cement/Forage du ciment: Rhr. Mhr From/de: TO/à. Reaming (Hole Conditions)/l'état du trou: Rhr. Mhr Waterline At/Ligne d'eau à: ft/m. Rhr. Mhr Survey Testing At/Assessment à: ft/m. Rhr. Mhr Acid Testing At/Analyse (acide): ft/m. Rhr. Mhr Delays/Retard: Rhr. Mhr Walking Time/Temps de marche: Rhr. Mhr Wedging At/Coincer le trou à: ft/m. Rhr. Mhr Other/Autre: Rhr. Mhr (What?)/(Quoi?): Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>Finish setting up in Drill</u> <u>Had to moved saphy pump</u> <u>ONE PAILE of DD. 2000</u>

GENERAL REMARKS/Observations général: Not cher should be hard rock.

APPROVED BY: Roger Thomas CO. REP. Denis Michal FOREMAN
 Approuver par: White-Office/Banc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps
Date <u>8/04/04</u> Shift <u>Night</u> Machine No. <u>300</u> Drilling at <u>B.I.L. Rev.</u> Hole Angle <u>90</u> Overburden: Hole No. From To Total ft/m #du trou De A Total de pd/m <u>SPQ0411</u> <u>40</u> <u>65</u> <u>25</u>	Drilling/Forage..... Hrs. Mhr Drilling From/Forage de..... TO/à Overburden/Mortterrain..... Hrs. Mhr Overburden From/Mort terrain de..... TO/à Bit No..... Type..... ft/m # de mèche..... Sorte..... pd/m Shoe No..... Type..... ft/m Shell No..... Type..... ft/m # de la cartouche..... Sorte..... pd/m Moving/Déplacement..... Rhr. Mhr From/de#..... TO/à#..... Distance..... Pulling Casing/Retirer tubage..... Rhr. Mhr Cemented At/Cimenter à..... ft/m..... Rhr. Mhr Cement to set/Durcir le ciment..... Rhr. Mhr Drilling Cement/Forage du ciment..... Rhr. Mhr From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... Rhr. Mhr Waterline At/Ligne d'eau à..... ft/m..... Rhr. Mhr Survey Testing At/Assessment à..... ft/m..... Rhr. Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr. Mhr Delays/Retard (.....)..... Rhr. Mhr Walking Time/Temps de marche..... Rhr. Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr. Mhr Other/Autre..... Rhr. Mhr (What?)/(Quoi?)..... Casing Placed in Hole/ Tubage placer dans le trou: AW BW NW HW 2'..... 5'..... 10'..... Casing Recovered/Tubage récupérer: AW BW NW HW 2'..... 5'..... 10'..... R. Foreman/Contremaître opérateur..... Hrs Runner/Opérateur <u>Murray Tulman</u> <u>12</u> Hrs Runner/Opérateur..... Hrs Helper/Assistant <u>Wayne Bejardins</u> <u>12</u> Hrs Helper/Assistant..... Hrs Other/Autre..... Hrs
TIME DISTRIBUTION/ Distribution de temps	
Drilling/Forage..... <u>12</u> Rhr. <u>24</u> Mhr Overburden/Mortterrain..... Rhr. Mhr Moving/Déplacement..... Rhr. Mhr Walking Time/Temps de marche..... Rhr. Mhr Repairing/Réparation..... Rhr. Mhr (What?)/(Quoi?)..... Other/Autre..... Rhr. Mhr (What?)/(Quoi?).....	From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... Rhr. Mhr Waterline At/Ligne d'eau à..... ft/m..... Rhr. Mhr Survey Testing At/Assessment à..... ft/m..... Rhr. Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr. Mhr Delays/Retard (.....)..... Rhr. Mhr Walking Time/Temps de marche..... Rhr. Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr. Mhr Other/Autre..... Rhr. Mhr (What?)/(Quoi?).....
Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager:	
GENERAL REMARKS/Observations général:	
APPROVED BY: <u>Roger D Thomas</u> CO. REP. <u>David [Signature]</u> FOREMAN	
Approuver par: White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co-Rep Pink-Foreman/Rose-Contremaître	

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps
Date: <u>9/04/04</u> Shift: <u>DAY</u> Machine No. <u>300</u> Drilling at: <u>B.H.H.F.W.</u> Hole Angle: <u>90</u> Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SPA04.01 65 132 67</u> Bit No. <u>38967.02</u> Type: <u>BTW</u> ft/m <u>67</u> # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage <u>11 1/2</u> Rhr Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Tempsdemarche Rhr Mhr Repairing/Réparation <u>1</u> Rhr Mhr (What?)/(Quoi?) <u>Cut Hole in tower.</u> Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: AW BW NW HW 2' 5' 10' Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R.Foreman/Contremaître opérateur <u>DENIS HICHON</u> 12 Hrs Runner/Opérateur Hrs Runner/Opérateur Hrs Helper/Assistant <u>J.L. Baril</u> 12 Hrs Helper/Assistant Hrs Other/Autre Hrs	Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard (.....) Rhr Mhr Walking Time/Temps de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) <p align="center">Materials Used, Lost or Damaged</p> <p align="center">Matériels utiliser, perdu ou endommager:</p>

GENERAL REMARKS/Observations général:

APPROVED BY: Roger D Thomas CO. REP. Dave Hill FOREMAN
 Approver par: Co. Rep. Contremaître
 White-Office/Bianc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date <u>9/10/04</u> Shift _____ Machine No. <u>300</u> # de la machine _____ Drilling at <u>Billikan</u> # de la machine <u>90</u> Lieu de forage Angle du trou _____ Overburden: _____ Hole No. From To Total ft/m # du trou De A Total de pd/m <u>13</u> _____ _____ _____ Drilling: _____ Hole No. From To Total ft/m <u>SP204.01 132</u> <u>153</u> <u>21</u> Bit <u>38967.02</u> Type <u>BTW</u> ft/m <u>9</u> # de mèche Sorte " " pd/m <u>#38967.01</u> " " <u>12</u> Shoe No. _____ Type _____ ft/m _____ Shell No. _____ Type _____ ft/m _____ # de la cartouche Sorte _____ pd/m _____ <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage _____ <u>12</u> Rhr <u>24</u> Mhr Overburden/Mortterrain _____ Rhr _____ Mhr Moving/Déplacement _____ Rhr _____ Mhr Walking Time/Temps demarche _____ Rhr _____ Mhr Repairing/Réparation _____ Rhr _____ Mhr (What?)/(Quoi?) _____ Rhr _____ Mhr Other/Autre _____ Rhr _____ Mhr (What?)/(Quoi?) _____ Rhr _____ Mhr Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' _____ 5' _____ 10' _____ R. Foreman/Contremaître opérateur _____ Hrs Runner/Opérateur <u>Murray Tulman</u> <u>12</u> Hrs Runner/Opérateur _____ Hrs Helper/Assistant <u>Wayne Besjardins</u> <u>12</u> Hrs Helper/Assistant _____ Hrs Other/Autre _____ Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage _____ Hrs Mhr Drilling From/Forage de _____ TO/à _____ Overburden/Mortterrain _____ Hrs Mhr Overburden From/Mort terrain de _____ TO/à _____ Bit No. _____ Type _____ ft/m # de mèche Sorte _____ pd/m _____ Shoe No. _____ Type _____ ft/m _____ Shell No. _____ Type _____ ft/m # de la cartouche Sorte _____ pd/m _____ Moving/Déplacement _____ Rhr Mhr From/de# _____ TO/à# _____ Distance _____ Pulling Casing/Retirer tubage _____ Rhr Mhr Cemented At/Cimenter à _____ ft/m Rhr Mhr Cement to set/Durcir le ciment _____ Rhr Mhr Drilling Cement/Forage du ciment _____ Rhr Mhr From/de _____ TO/à _____ Reaming (Hole Conditions)/l'état du trou _____ Rhr Mhr Waterline At/Ligne d'eau à _____ ft/m Rhr Mhr Survey Testing At/Assessment à _____ ft/m Rhr Mhr Acid Testing At/Analyse (acide) _____ ft/m Rhr Mhr Delays/Retard (_____) _____ Rhr Mhr Walking Time/Temps de marche _____ Rhr Mhr Wedging At/Coincer le trou à _____ ft/m Rhr Mhr Other/Autre _____ Rhr Mhr (What?)/(Quoi?) _____ <p align="center">Materials Used, Lost or Damaged</p> <p align="center"><u>Matériels utiliser, perdu ou endommager:</u></p>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
GENERAL REMARKS/Observations général: <u># pull FOR BIT</u>																					
APPROVED BY: <u>Roger D Thomas</u> CO. REP. <u>Doris Misher</u> FOREMAN Approuver par: _____ Co. Rep. _____ Contremaître White-Office/Blanc-Bureau _____ Yellow-Co. Rep./Jaune-Co.-Rep _____ Pink-Foreman/Rose-Contremaître																					

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps
Date <u>10/04/04</u> Shift <u>Day</u> Machine No. <u>300</u> Lieu de forage <u>B. 11.8.2</u> # de la machine <u>90</u> Hole Angle <u>90</u> Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m	Drilling/Forage.....Hrs.....Mhr Drilling From/Forage de.....TO/à..... Overburden/Mortterrain.....Hrs.....Mhr Overburden From/Mort terrain de.....TO/à..... Bit No.....Type.....ft/m. # de mèche Sorte pd/m
Drilling: Hole No. From To Total ft/m <u>SPR.04.01 153 189 36</u>	Shoe No.....Type.....ft/m Shell No.....Type.....ft/m # de la cartouche Sorte pd/m
Bit No. <u>38967.01</u> Type <u>BTW</u> ft/m <u>36</u> # de mèche Sorte pd/m	Moving/Déplacement.....Rhr.....Mhr From/de#.....TO/à#.....Distance..... Pulling Casing/Retirer tubage.....Rhr.....Mhr Cemented At/Cimenter à.....ft/m.....Rhr.....Mhr Cement to set/Durcir le ciment.....Rhr.....Mhr Drilling Cement/Forage du ciment.....Rhr.....Mhr
TIME DISTRIBUTION/ Distribution de temps	
Drilling/Forage..... <u>1 1/2</u> Rhr..... <u>23</u> Mhr	Reaming (Hole Conditions)/l'état du trou..... <u>1/2</u> Rhr..... <u>1</u> Mhr
Overburden/Mortterrain.....Rhr.....Mhr	Waterline At/Ligne d'eau à.....ft/m.....Rhr.....Mhr
Moving/Déplacement.....Rhr.....Mhr	Survey Testing At/Assessment à.....ft/m.....Rhr.....Mhr
Walking Time/Tempsdemarche.....Rhr.....Mhr	Acid Testing At/Analyse (acide).....ft/m.....Rhr.....Mhr
Repairing/Réparation.....Rhr.....Mhr	Delays/Retard (.....).....Rhr.....Mhr
(What?)/(Quoi?).....	Walking Time/Temps de marche.....Rhr.....Mhr
Other/Autre..... <u>1/2</u> Rhr..... <u>1/2</u> Mhr	Wedging At/Coincer le trou à.....ft/m.....Rhr.....Mhr
(What?)/(Quoi?) <u>Fuel up tent fuel in.</u>	Other/Autre.....Rhr.....Mhr
Casing Placed in Hole/ Tubage placer dans le trou:	(What?)/(Quoi?).....
AW BW NW HW	Materials Used, Lost or Damaged
2'.....	Matériels utiliser, perdu ou endommager:
5'.....	<u>BEARINGS SAN IN HOLE.</u>
10'.....	<u>HIT SAN 183m</u>
Casing Recovered/Tubage récupérer: AW BW NW HW	
2'.....	
5'.....	
10'.....	
R.Foreman/Contremaître opérateur <u>Denis Michou 12</u> Hrs	
Runner/Opérateur.....Hrs	
Runner/Opérateur.....Hrs	
Helper/Assistant <u>J.L. Bacil 12 1/2</u> Hrs	
Helper/Assistant.....Hrs	
Other/Autre.....Hrs	

GENERAL REMARKS/Observations général: Start pulling rod's 144m out of hole.

APPROVED BY: Roger Thomas CO. REP. Denis Michou FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps
Date <u>10/04/04</u> Shift <u>DAN 1945</u> Machine No. <u>300</u>	Drilling/Forage..... Hrs..... Mhr
Drilling at <u>B. V. KEN.</u> # de la machine <u>90</u>	Drilling From/Forage de..... TO/à.....
Overburden:	Overburden/Mortterrain..... Hrs..... Mhr
Hole No. From To Total ft/m	Overburden From/Mort terrain de..... TO/à.....
# du trou De À Total de pd/m	Bit No..... Type..... ft/m
	# de mèche Sorte pd/m
Drilling:	Shoe No..... Type..... ft/m
Hole No. From To Total ft/m	Shell No..... Type..... ft/m
	# de la cartouche Sorte pd/m
Bit	Moving/Déplacement..... <u>6 1/2</u> Rhr <u>13</u> Mhr
No..... Type..... ft/m	From/de#..... TO/à#..... Distance.....
# de mèche Sorte pd/m	Pulling Casing/Retirer tubage..... <u>3 1/2</u> Rhr <u>7</u> Mhr
	Cemented At/Cimenter à..... <u>43m</u> ft/m <u>1 1/2</u> Rhr <u>3</u> Mhr
Shoe No..... Type..... ft/m	Cement to set/Durcir le ciment..... Rhr..... Mhr
Shell No..... Type..... ft/m	Drilling Cement/Forage du ciment..... Rhr..... Mhr
# de la cartouche Sorte pd/m	From/de..... TO/à.....
TIME DISTRIBUTION/ Distribution de temps	
Drilling/Forage <u>Pulling rods 1/2</u> Rhr <u>1</u> Mhr	Reaming (Hole Conditions)/l'état du trou..... Rhr..... Mhr
Overburden/Mortterrain..... Rhr..... Mhr	Waterline At/Ligne d'eau à..... ft/m..... Rhr..... Mhr
Moving/Déplacement..... Rhr..... Mhr	Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr
Walking Time/Temps de marche..... Rhr..... Mhr	Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr
Repairing/Réparation..... Rhr..... Mhr	Delays/Retard (.....)..... Rhr..... Mhr
(What?)/(Quoi?).....	Walking Time/Temps de marche..... Rhr..... Mhr
Other/Autre..... Rhr..... Mhr	Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr
(What?)/(Quoi?).....	Other/Autre..... Rhr..... Mhr
Casing Placed in Hole/ Tubage placer dans le trou:	(What?)/(Quoi?).....
AW BW NW HW	Materials Used, Lost or Damaged
2'.....	Matériels utiliser, perdu ou endommager:
5'.....	<u>Start bracking Drill up for mould.</u>
10'.....	
Casing Recovered/Tubage récupérer: AW BW NW HW	
2'.....	
5'.....	
10'.....	
R.Foreman/Contremaître opérateur..... Hrs	
Runner/Opérateur <u>Harry Tulman</u> 12 Hrs	
Runner/Opérateur..... Hrs	
Helper/Assistant <u>Wayne Besjardins</u> 12 Hrs	
Helper/Assistant..... Hrs	
Other/Autre..... Hrs	

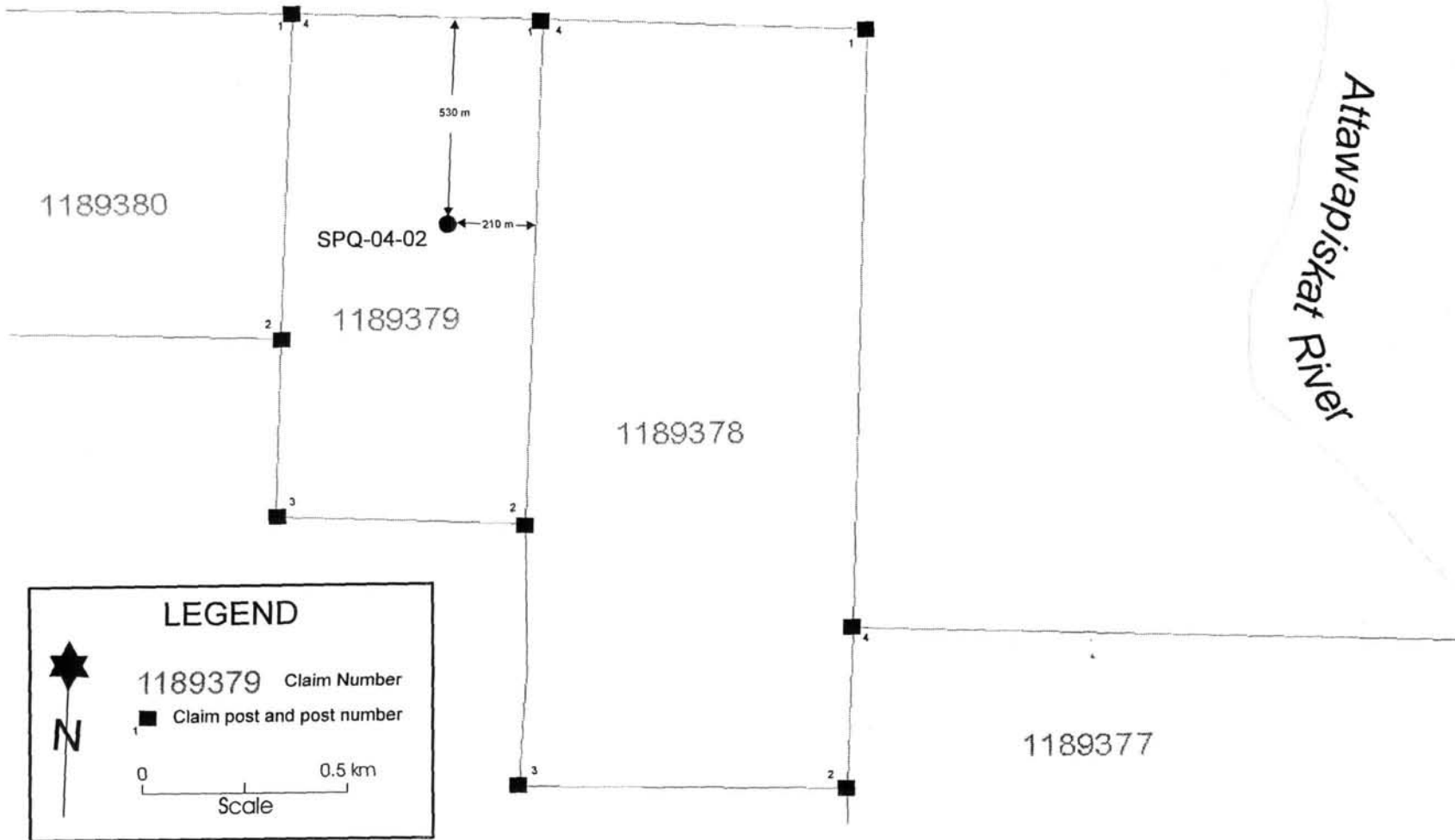
GENERAL REMARKS/Observations général: Pold rod's and casing out recovered but casing pulling casing 3 hrs pulling rod's 1/2

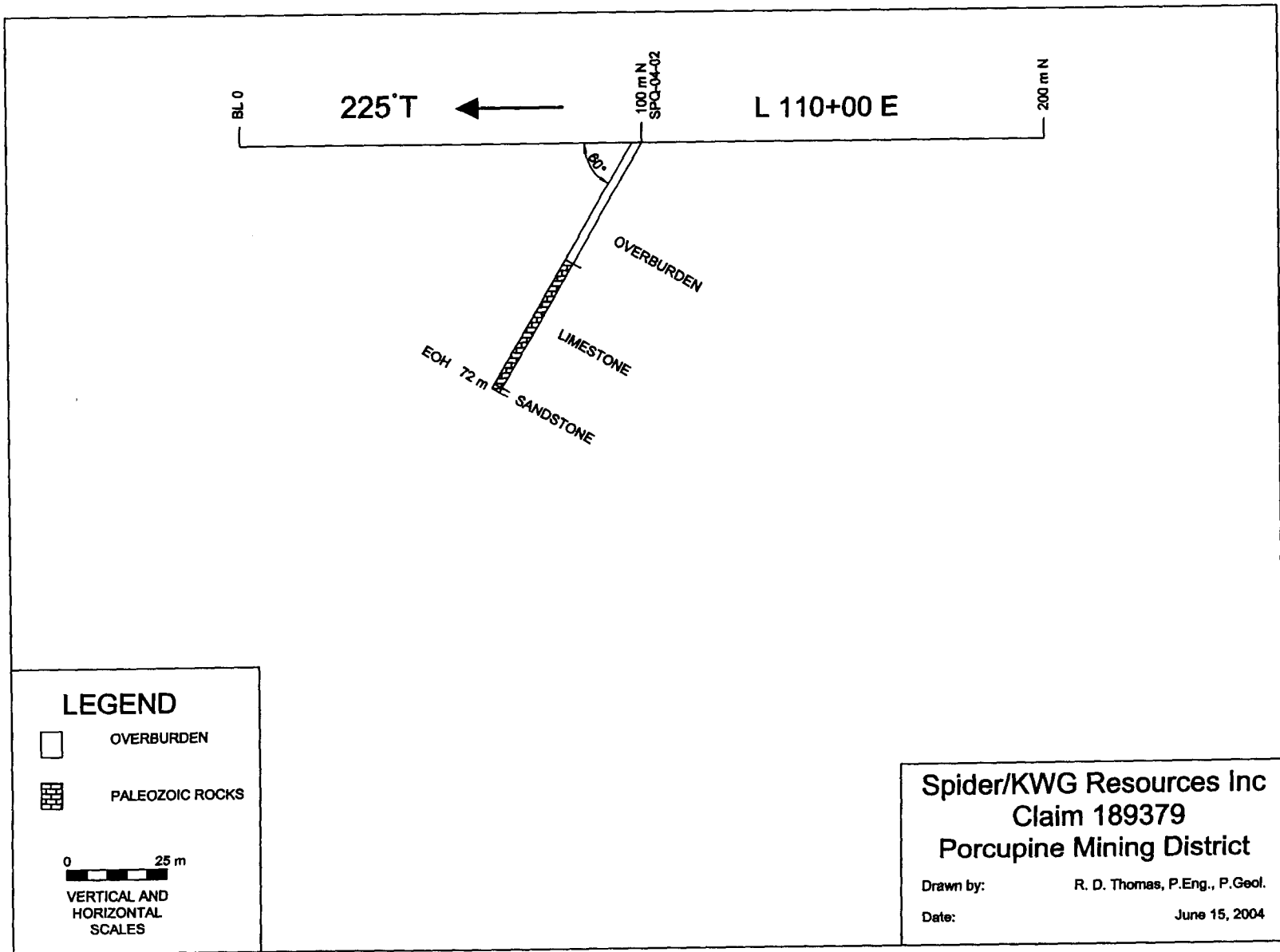
APPROVED BY: Roger D Thomas CO. REP. Deane Smith FOREMAN
 Approuver par: _____ Co. Rep. _____ Contremaître
 White-Office/Banc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

APPENDIX II

DRILL HOLE LOG, LOCATION MAP, SECTION AND DRILLER'S LOG

SPQ-04-02





HEATH & SHERWOOD DRILLING (1986) INC.

FORAGE HEATH & SHERWOOD (1986) INC.

DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps
Date: <u>11/04/02</u> Shift: <u>Day</u> Machine No. <u>300</u> Drilling at: <u>2111KEN</u> Hole Angle: <u>60°</u> Overburden: Hole No. #du trou: <u>SPD 04.02</u> From De: <u>0</u> To A: <u>30.5</u> Total ft/m: <u>30.5</u> Drilling: Hole No. From To Total ft/m Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. <u>3E0183</u> Type <u>BW</u> ft/m <u>30.5</u> Shell No. Type ft/m # de la cartouche Sorte pd/m TIME DISTRIBUTION/ Distribution de temps Drilling/Forage Rhr. Mhr Overburden/Mortterrain <u>5</u> Rhr <u>10</u> Mhr Moving/Déplacement Rhr. Mhr Walking Time/Temps de marche Rhr. Mhr Repairing/Réparation Rhr. Mhr (What?)/(Quoi?) Other/Autre <u>5</u> Rhr <u>5</u> Mhr (What?)/(Quoi?) <u>Went back to Drill Broat more casing. Went check Drill at SAME TIME.</u> Casing Placed in Hole/ Tubage placé dans le trou: AW BW NW HW 2' 5' 10' Casing Recovered/Tubage récupéré: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître, opérateur <u>DENIS HICHON 12 1/2</u> Hrs Runner/Opérateur Hrs Runner/Opérateur Hrs Helper/Assistant <u>Jim Baril</u> <u>12</u> Hrs Helper/Assistant Hrs Other/Autre Hrs	Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement <u>7</u> Rhr <u>14</u> Mhr From/de# <u>04.01</u> TO/à# <u>04.02</u> Distance <u>600 ft</u> Pulling Casing/Retirer tubage Rhr. Mhr Cemented At/Cimenter à ft/m Rhr. Mhr Cement to set/Durcir le ciment Rhr. Mhr Drilling Cement/Forage du ciment Rhr. Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr. Mhr Waterline At/Ligne d'eau à <u>1700</u> ft/m Rhr. Mhr Survey Testing At/Assessment à ft/m Rhr. Mhr Acid Testing At/Analyse (acide) ft/m Rhr. Mhr Delays/Retard (.....) Rhr. Mhr Walking Time/Temps de marche Rhr. Mhr Wedging At/Coincer le trou à ft/m Rhr. Mhr Other/Autre Rhr. Mhr (What?)/(Quoi?) Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager:

GENERAL REMARKS/Observations générales: Moved Drill, out 600ft of house line in finish breaking Drill up Drill is sinking

APPROVED BY: Roger D Thomas CO. REP. Denis Michon FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Bianc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep. Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date <u>11/04/04</u> Shift <u>Night</u> Machine No. <u>300</u> Drilling at <u>BILLIKEN</u> # de la machine <u>60</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m #du trou De A Total de pd/m <u>SPR 04 02 30.5 36.0 34.5</u>	Drilling/Forage.....Hrs.....Mhr Drilling From/Forage de.....TO/à..... Overburden/Mortterrain.....Hrs.....Mhr Overburden From/Mort terrain de.....TO/à..... Bit No.....Type.....ft/m..... # de mèche.....Sorte.....pd/m..... Shoe No.....Type.....ft/m..... Shell No.....Type.....ft/m..... # de la cartouche.....Sorte.....pd/m..... Moving/Déplacement.....1 Rhr 2 Mhr From/de#.....TO/à#.....Distance..... Pulling Casing/Retirer tubage.....Rhr.....Mhr Cemented At/Cimenter à.....ft/m.....Rhr.....Mhr Cement to set/Durcir le ciment.....Rhr.....Mhr Drilling Cement/Forage du ciment.....Rhr.....Mhr From/de.....TO/à..... Reaming (Hole Conditions)/l'état du trou.....Rhr.....Mhr Waterline At/Ligne d'eau à.....ft/m.....Rhr.....Mhr Survey Testing At/Assessment à.....ft/m.....Rhr.....Mhr Acid Testing At/Analyse (acide).....ft/m.....Rhr.....Mhr Delays/Retard (.....).....Rhr.....Mhr Walking Time/Temp de marche.....Rhr.....Mhr Wedging At/Coincer le trou à.....ft/m.....Rhr.....Mhr Other/Autre.....Rhr.....Mhr (What?)/(Quoi?)..... Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>finish settings up</u>																																								
Drilling: Hole No. From To Total ft/m #du trou De A Total de pd/m <u>SPR 04 02 36.0 54 18</u> Bit No. <u>38967.02</u> Type <u>BTW</u> ft/m <u>18</u> # de mèche.....Sorte.....pd/m..... Shoe No. <u>3E0183</u> Type <u>BW</u> ft/m <u>3</u> Shell No.....Type.....ft/m..... # de la cartouche.....Sorte.....pd/m..... TIME DISTRIBUTION/ Distribution de temps Drilling/Forage.....5 1/2 Rhr.....Mhr Overburden/Mortterrain.....1 1/2 Rhr.....3 Mhr Moving/Déplacement.....2 Rhr.....Mhr Walking Time/Tempsdemarche.....Rhr.....Mhr Repairing/Réparation.....Rhr.....Mhr (What?)/(Quoi?)..... Other/Autre.....4 Rhr.....8 Mhr (What?)/(Quoi?) <u>HAD TROUBLE WITH WATER FREEZING</u> Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td style="text-align: center;">2</td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Casing Recovered/Tubage récupérer:</td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> R. Foreman/Contremaître opérateur.....Hrs Runner/Opérateur <u>Murry Tulman</u>12 Hrs Runner/Opérateur.....Hrs Helper/Assistant <u>Wayne Besjardins</u>12 Hrs Helper/Assistant.....Hrs Other/Autre.....Hrs		AW	BW	NW	HW	2'					5'		2			10'					Casing Recovered/Tubage récupérer:	AW	BW	NW	HW	2'					5'					10'					
	AW	BW	NW	HW																																					
2'																																									
5'		2																																							
10'																																									
Casing Recovered/Tubage récupérer:	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
GENERAL REMARKS/Observations général:																																									
APPROVED BY: <u>Roger Thomas</u> CO. REP. <u>Daryl Miller</u> FOREMAN Approuver par: Co. Rep. Contremaître White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep. Pink-Foreman/Rose-Contremaître																																									

HEATH & SHERWOOD DRILLING (1986) INC.

FORAGE HEATH & SHERWOOD (1986) INC.

DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date: <u>12/20/84</u> Shift: <u>NIGHT</u> Machine No. <u>300</u> Drilling at: <u>Bull Run</u> Hole Angle: <u>0°</u> Lieu de forage: Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>5820402</u> --- --- <u>72 m</u> Bit No. <u>3896902</u> Type: <u>BTW</u> ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p style="text-align: center;">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage <u>1</u> Rhr <u>1</u> Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Temps de marche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre <u>9</u> Rhr <u>15</u> Mhr (What?)/(Quoi?) <u>Time down - drain = full water line</u> Casing Placed in Hole/ Tubage placé dans le trou: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">AW</th> <th style="text-align: center;">BW</th> <th style="text-align: center;">NW</th> <th style="text-align: center;">HW</th> </tr> </thead> <tbody> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Casing Recovered/Tubage récupéré: AW BW NW HW 2' 5' <u>M</u> 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>MURRY TULLMAN</u> <u>12</u> Hrs Runner/Opérateur Hrs Helper/Assistant <u>WAYNE DESJARDINS</u> <u>2</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement <u>8 1/2</u> Rhr <u>17</u> Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage <u>3</u> Rhr <u>6</u> Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard () Rhr Mhr Walking Time/Temps de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) <p style="text-align: center;">Materials Used, Lost or Damaged</p> Matériels utilisés, perdus ou endommagés: <u>Old CASSINGS, DRAIN WATERLINE</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général: WELL STOPPED AT 72 M, TEAM NOW GET READY TO
pull rods, 1/2 hrs

APPROVED BY: Roger D Thomas CO. REP. Pink Foreman FOREMAN
 Approuver par: Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date <u>13/04/04</u> Shift <u>Day</u> Machine No. <u>300</u> Drilling at <u>B.H. F.W.</u> # de la machine <u>60</u> Hole Angle <u>60°</u> Overburden: Hole No. #du trou <u>SPQ.04.03</u> From De <u>0</u> To A <u>30m</u> Total ft/m Total de pd/m <u>30</u> Drilling: Hole No. <u>5</u> From To Total ft/m Bit No. # de mèche Type Sorte ft/m pd/m Shoe No. <u>3E0183</u> Type <u>BW</u> ft/m <u>30</u> Shell No. # de la cartouche Type Sorte ft/m pd/m TIME DISTRIBUTION/ Distribution de temps Drilling/Forage <u>5</u> Rhr. <u>10</u> Mhr Overburden/Mortterrain Rhr. Mhr Moving/Déplacement Rhr. Mhr Walking Time/Tempsdemarche Rhr. Mhr Repairing/Réparation Rhr. Mhr (What?)/(Quoi?) Other/Autre Rhr. Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr><td>2'</td><td></td><td></td><td></td><td></td></tr> <tr><td>5'</td><td></td><td></td><td></td><td></td></tr> <tr><td>10'</td><td></td><td></td><td></td><td></td></tr> </tbody> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître, opérateur <u>Denis Michon</u> 12 Hrs Runner/Opérateur Hrs Runner/Opérateur Hrs Helper/Assistant <u>J.K. Baril</u> 12 Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage Hrs. Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs. Mhr Overburden From/Mort terrain de TO/à Bit No. # de mèche Type Sorte ft/m pd/m Shoe No. Type ft/m Shell No. # de la cartouche Type Sorte ft/m pd/m Moving/Déplacement <u>7</u> Rhr. <u>14</u> Mhr From/de# TO/à# <u>04.03</u> Distance Pulling Casing/Retirer tubage Rhr. Mhr Cemented At/Cimenter à ft/m Rhr. Mhr Cement to set/Durcir le ciment Rhr. Mhr Drilling Cement/Forage du ciment Rhr. Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr. Mhr Waterline At/Ligne d'eau à ft/m Rhr. Mhr Survey Testing At/Assessment à ft/m Rhr. Mhr Acid Testing At/Analyse (acide) ft/m Rhr. Mhr Delays/Retard (.....) Rhr. Mhr Walking Time/Temps de marche Rhr. Mhr Wedging At/Coincer le trou à ft/m Rhr. Mhr Other/Autre Rhr. Mhr (What?)/(Quoi?) Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>Howard Drill set up Drill Start WATERLIN.</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

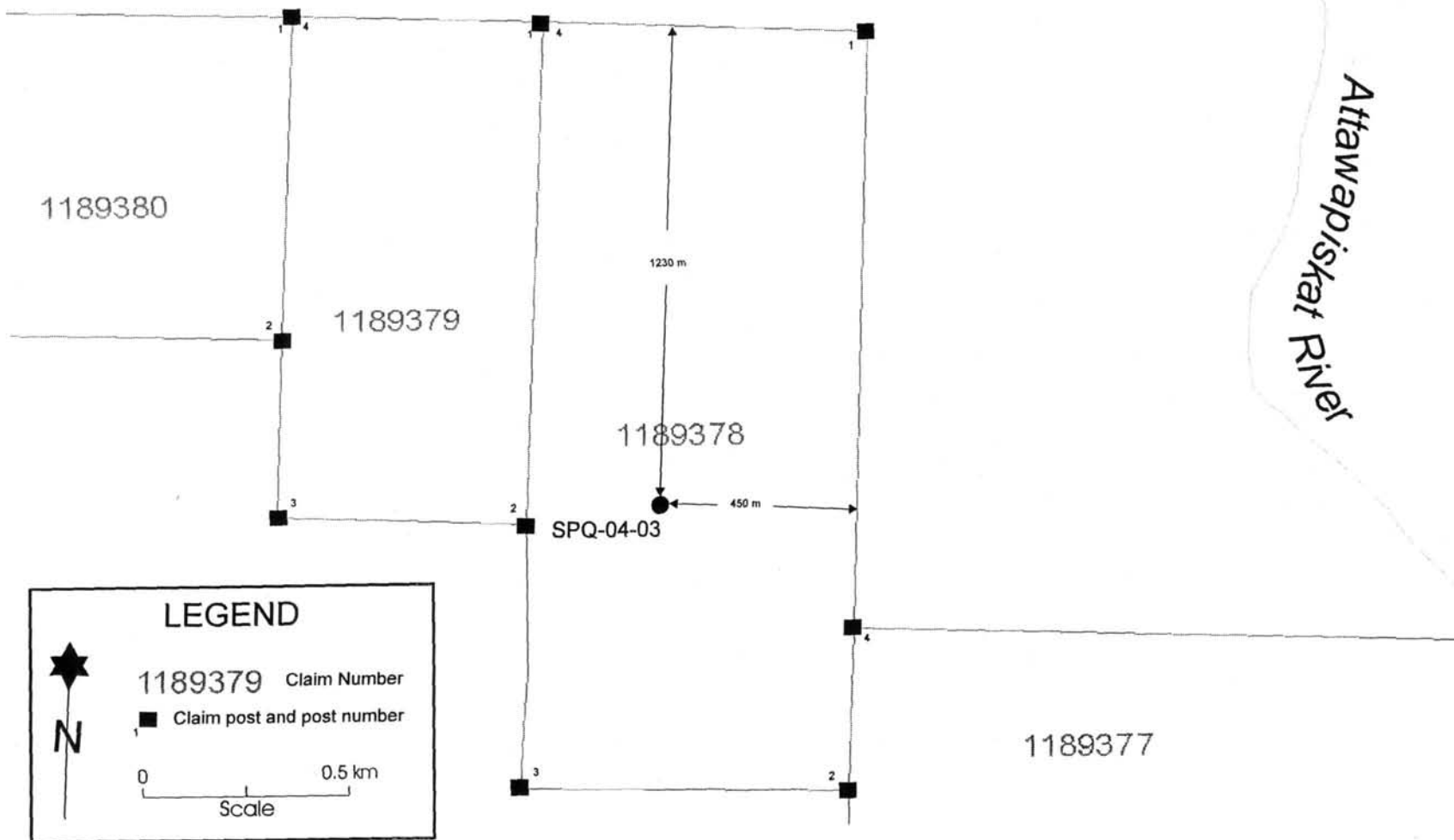
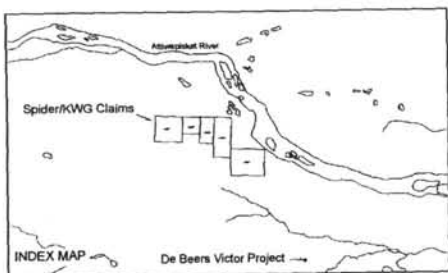
GENERAL REMARKS/Observations général: Had when down 9m had too
fold casing of. Stop casing back.
Drill stuck. SONCK.

APPROVED BY: Reg. Phinney CO. REP. Dan Mich FOREMAN
 Approuver par: _____ Co. Rep. _____ Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

APPENDIX III

**DRILL HOLE LOG, DIAMOND RESULTS,
LOCATION MAP, SECTION AND DRILLER'S LOG**

SPQ-04-03



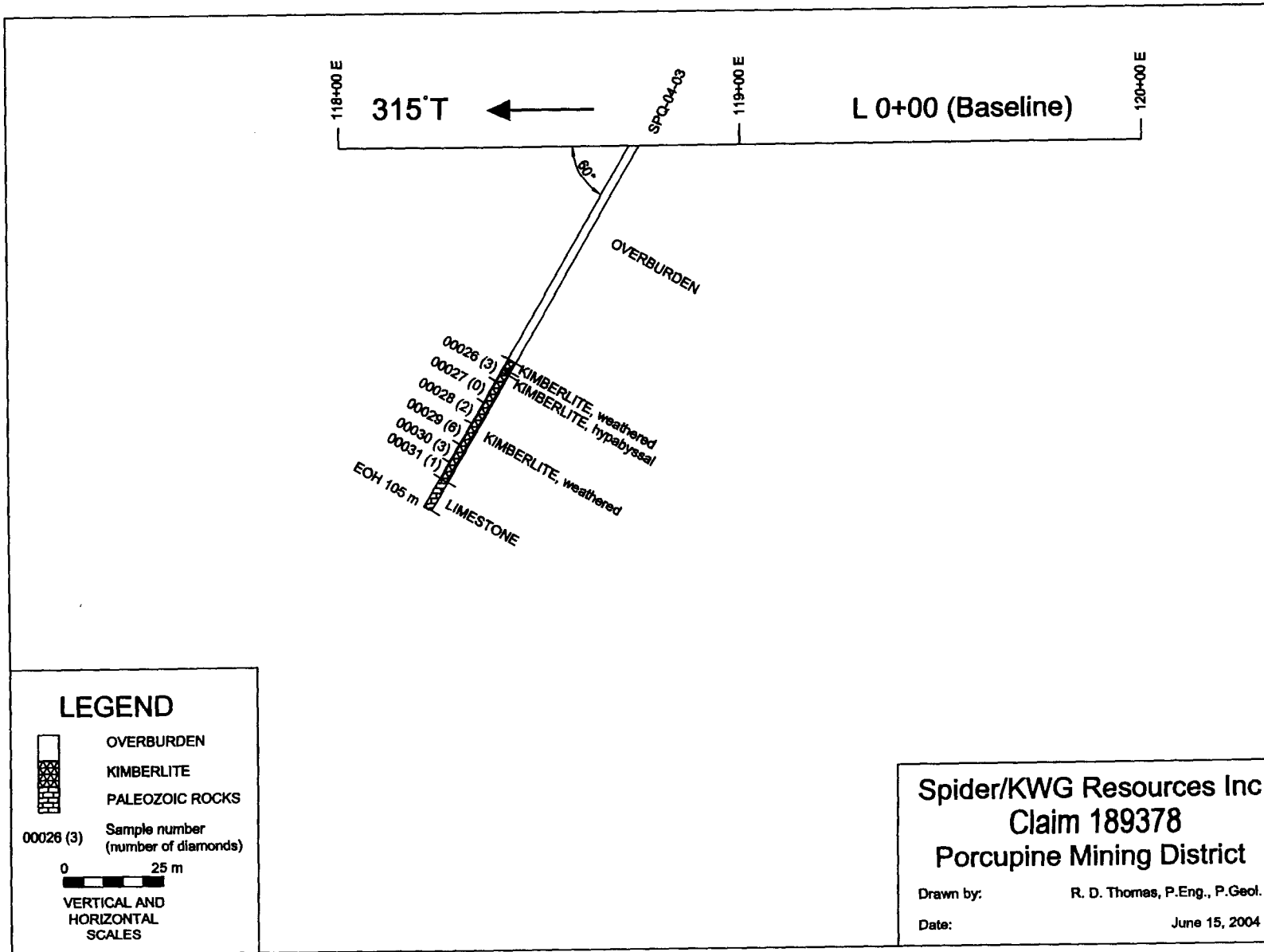
Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-03

PAGE: 3 of 5

FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	LENGTH	% Xenoliths	Weight	From	To	Length
65.36	66.26	KIMBERLITE, hypabyssal (Continued) @65.37: 2 cm diameter xenolith of gabbro. @66.09: 20 mm diameter mantle xenolith (?). @66.14: 3 mm mass of chrome diopside.									
66.26		CONTACT, start of highly weathered core.									
66.26	96.70	KIMBERLITE, weathered, as above. 66.26-71.00: poor core recovery although probably no lost core; two pieces 0.1 m in length, the rest is <2 cm long. @71.00: core recovery improves with most pieces being > 0.1 m in length. Core is still very soft and crumbles easily. @72.56: 10 mm xenolith composed of 100% chlorite. @73.20: one 1 mm pink garnet. @74.40: one 1 mm chrome diopside. @74.96: one 1 mm pyrope garnet.									
		75.58-77.88: core very broken and crumbled.									
		78.23-78.39: core crumbled.									
		78.67-78.80: core crumbled.									
		@80.55: core becomes very soft and most of it is crumbled on recovery. There does not appear to be much lost core.									
		@82.00: 5-15 mm in diameter limestone xenolith content increases to 20%. They are subangular-subrounded and moderately corroded.									
		@ 83.50: core becomes quite competent and recovery improves.									
		@86.47: trace chrome diopside, 2 mm in diameter.									
			00027	69.00	75.00	5.81	5	16.5	74.18	74.37	0.19
			00028	75.00	81.00	5.84	4	14.75	77.62 78.20	77.75 78.23	0.13 0.03
			00029	81.00	87.00	5.78	15	13.75	84.38	84.6	0.22



DIAMOND ANALYSES

Client Reference	Work Order Name	Client Sample Ref	Proc Date Started	Proc Total Primary Burn Weight	Proc No Primary Burns	Proc No Re Burns	Proc No Micro Burns	Proc Date Completed	Obs No Stones	Obs No Synthetics
Billiken Submittal	04MD016	00026	10-May-04	4.86	1		1	20-May-04	3	0
Billiken Submittal	04MD016	00027	10-May-04	15.05	2		2	26-May-04	0	0
Billiken Submittal	04MD016	00028	10-May-04	13.36	2		2	25-May-04	2	0
Billiken Submittal	04MD016	00029	11-May-04	12.97	2		2	26-May-04	6	0
Billiken Submittal	04MD016	00030	11-May-04	13.17	2		2	25-May-04	3	1
Billiken Submittal	04MD016	00031	11-May-04	11.5	1		1	25-May-04	1	0

DIAMOND ANALYSES

Work Order Name	Client Sample Ref	Stone No	Test Sieve	Stock Ex Sieve	X	Y	Z	Wt Meas	Terrac	Fragmentation	Form
04MD016	00026	1	0.150	<0.500	0.32	0.21	0.18		BE23	Intact	OCTAHEDRAL AGGREGATE
04MD016	00026	2	0.150	<0.500	0.32	0.31	0.16		CE11	Fragment	IRREGULAR WITH CUBE FEATURES
04MD016	00026	3	0.150	<0.500	0.24	0.21	0.14		BE22	Intact	MACLE
04MD016	00028	1	0.150	<0.500	0.37	0.23	0.23		BB11	Intact	OCTAHEDROID
04MD016	00028	2	0.212	<0.500	0.33	0.26	0.23		CE11	Fragment	OCTAHEDROID
04MD016	00029	1	0.212	<0.500	0.35	0.26	0.19		BE11	Intact	OCTAHEDROID
04MD016	00029	2	0.150	<0.500	0.23	0.22	0.16		BE22	Intact	MACLE
04MD016	00029	3	0.150	<0.500	0.24	0.18	0.2		BE11	Intact	OCTAHEDROID
04MD016	00029	4	0.150	<0.500	0.27	0.26	0.12		BE22	Intact	MACLE
04MD016	00029	5	0.150	<0.500	0.29	0.18	0.18		BE10	Intact	MACLE
04MD016	00029	6	0.150	<0.500	0.37	0.27	0.16		CE11	Fragment	IRREGULAR
04MD016	00030	1	0.212	<0.500	0.36	0.28	0.21		BE23	Intact	OCTAHEDROID
04MD016	00030	2	0.150	<0.500	0.35	0.22	0.2		CE32	Fragment	IRREGULAR
04MD016	00030	3	0.150	<0.500	0.25	0.2	0.17		BE10	Intact	OCTAHEDROID
04MD016	00031	1	0.150	<0.500	0.3	0.24	0.18		BE11	Intact	OCTAHEDROID

DIAMOND ANALYSES

Client Sample Ref	Stone No	Colour	Clarity	Intensity	Internal Defects Factor	Resorption	Surface Features	Obs Date	Observer
00026	1	Grey	Transparent	2	3	5		27-May-04	JB
00026	2	Grey	Transparent	1	1	4		27-May-04	JB
00026	3	Grey	Transparent	2	2	5	STEPPED	27-May-04	JB
00028	1	Brown	Transparent	1	1	5	STEPPED	27-May-04	JB
00028	2	Grey	Transparent	1	1	4		27-May-04	JB
00029	1	Grey	Transparent	1	1	5	TRIGONS	31-May-04	JB
00029	2	Grey	Transparent	2	2	5	STEPPED	31-May-04	JB
00029	3	Grey	Transparent	1	1	5		31-May-04	JB
00029	4	Grey	Transparent	2	2	4-5	STEPPED	31-May-04	JB
00029	5	Grey	Transparent	1	0	4		31-May-04	JB
00029	6	Grey	Transparent	1	1	-		31-May-04	JB
00030	1	Grey	Transparent	2	3	4	STEPPED	31-May-04	JB
00030	2	Grey	Transparent	3	2	-		31-May-04	JB
00030	3	Grey	Transparent	1	0	5	TRIGONS	31-May-04	JB
00031	1	Grey	Transparent	1	1	4		27-May-04	JB

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date <u>13/04/04</u> Shift <u>Night</u> Machine No. <u>300</u> Drilling at <u>Billiken</u> # de la machine <u>60°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m # du trou De pd/m <u>SPD.04.03</u> <u>30</u> <u>43.5</u> <u>13.5</u> Drilling: Hole No. From To Total ft/m <u>SPD.04.03</u> Bit No. <u>3896702</u> Type <u>BTW</u> ft/m # de mèche Sorte pd/m Shoe No. <u>3E0183</u> Type <u>BW</u> ft/m <u>13.5</u> Shell No. Type ft/m # de la cartouche Sorte pd/m TIME DISTRIBUTION/ Distribution de temps Drilling/Forage..... Rhr..... Mhr Overburden/Mortterrain..... <u>10 1/2</u> Rhr <u>21</u> Mhr Moving/Déplacement..... 3 Rhr <u>3</u> Mhr Walking Time/Tempsdemarche..... Rhr..... Mhr Repairing/Réparation..... Rhr..... Mhr (What?)/(Quoi?) Other/Autre..... Rhr..... Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur..... Hrs Runner/Opérateur <u>Murray Tulman</u> <u>12</u> Hrs Runner/Opérateur..... Hrs Helper/Assistant <u>WAYNE DESJARDINS</u> <u>12</u> Hrs Helper/Assistant..... Hrs Other/Autre..... Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage..... Hrs..... Mhr Drilling From/Forage de..... TO/à..... Overburden/Mortterrain..... Hrs..... Mhr Overburden From/Mort terrain de..... TO/à..... Bit No. Type ft/m # de mèche Sorte pd/m Shoe No..... Type..... ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement..... Rhr..... Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage..... Rhr..... Mhr Cemented At/Cimenter à..... ft/m..... Rhr..... Mhr Cement to set/Durcir le ciment..... Rhr..... Mhr Drilling Cement/Forage du ciment..... Rhr..... Mhr From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... Rhr..... Mhr Waterline At/Ligne d'eau à..... ft/m..... Rhr..... Mhr Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr Delays/Retard (.....)..... Rhr..... Mhr Walking Time/Temp de marche..... Rhr..... Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr Other/Autre..... Rhr..... Mhr (What?)/(Quoi?) Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>finish setting up.</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général: Hard time whit casing going down. Some probat whit waterline. Drill song and of set Drill. of line

APPROVED BY: Roger Thomas CO. REP. Dennis White FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Bianc-Bureau Yellow-Co. Rep./Jaune-Co -Rep. Pink-Foreman/Rose Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date: <u>14/04/04</u> Shift: <u>DAY</u> Machine No: <u>300</u> Drilling at: <u>BILLKEN</u> # de la machine: <u>60°</u> Lieu de forage: <u>BILLKEN</u> Angle du trou: <u>60°</u> Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m <u>SPQ.04.03</u> <u>43.5</u> <u>60m</u> <u>16.5</u>	Drilling/Forage..... Hrs..... Mhr Drilling From/Forage de..... TO/à..... Overburden/Mortterrain..... <u>10</u> Hrs. <u>20</u> Mhr Overburden From/Mort terrain de..... <u>45m</u> TO/à <u>60m</u> Bit No. <u>3E0183</u> Type. <u>BW</u> ft/m <u>1.5m</u> # de mèche Sorte pd/m																																								
Drilling: Hole No. From To Total ft/m	Shoe No..... Type..... ft/m # de la cartouche Sorte pd/m																																								
Bit No..... Type..... ft/m # de mèche Sorte pd/m	Moving/Déplacement..... Rhr..... Mhr From/de#..... TO/à#..... Distance.....																																								
Shoe No. <u>3E0183</u> Type <u>BW</u> ft/m <u>16.5</u>	Pulling Casing/Retirer tubage..... Rhr..... Mhr Cemented At/Cimenter à..... ft/m..... Rhr..... Mhr Cement to set/Durcir le ciment..... Rhr..... Mhr Drilling Cement/Forage du ciment..... Rhr..... Mhr																																								
TIME DISTRIBUTION/ Distribution de temps																																									
Drilling/Forage..... Rhr..... Mhr Overburden/Mortterrain..... <u>1/2</u> Rhr..... <u>1</u> Mhr Moving/Déplacement..... Rhr..... Mhr Walking Time/Temps de marche..... Rhr..... Mhr Repairing/Réparation..... Rhr..... Mhr (What?)/(Quoi?)..... Other/Autre..... <u>1 1/2</u> Rhr..... <u>3</u> Mhr (What?)/(Quoi?)..... <u>Put Drill BACK in LINE</u> <u>with Hole</u> Casing Placed in Hole/ Tubage placé dans le trou: <table style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Casing Recovered/Tubage récupérer:</td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		AW	BW	NW	HW	2'					5'					10'					Casing Recovered/Tubage récupérer:	AW	BW	NW	HW	2'					5'					10'					Reaming (Hole Conditions)/l' état du trou..... Rhr..... Mhr Waterline At/Ligne d'eau à..... ft/m..... Rhr..... Mhr Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr Delays/Retard (.....)..... Rhr..... Mhr Walking Time/Temps de marche..... Rhr..... Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr Other/Autre..... Rhr..... Mhr (What?)/(Quoi?)..... Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>Slow going whit casing</u> <u>shed be in bead rock.</u>
	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
Casing Recovered/Tubage récupérer:	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
R. Foreman/Contremaître opérateur: <u>Denis Michon 12</u> Hrs Runner/Opérateur..... Hrs Runner/Opérateur..... Hrs Helper/Assistant: <u>J.L. Baril 12</u> Hrs Helper/Assistant..... Hrs Other/Autre..... Hrs																																									

GENERAL REMARKS/Observations général: rod's ARE out of Hole going down to shack. (night shift)

APPROVED BY: Roger Thomas CO. REP. Denis Michon FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Bianc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep. Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date <u>14/04/04</u> Shift <u>NIGHT</u> Machine No. <u>300</u> Drilling at. <u>B. H. REN</u> Hole Angle <u>60'</u> Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SPO. 04.03</u> <u>60</u> <u>87</u> <u>27</u> Bit No. <u>3896202</u> Type <u>BTW</u> ft/m <u>27</u> # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage <u>12</u> Rhr <u>24</u> Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Temps de marche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placé dans le trou: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Casing Recovered/Tubage récupéré: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> R. Foreman/Contremaître opérateur _____ Hrs Runner/Opérateur <u>MURRY TULMAN</u> <u>12</u> Hrs Runner/Opérateur _____ Hrs Helper/Assistant <u>WAYNE DESJARDINS</u> <u>12</u> Hrs Helper/Assistant _____ Hrs Other/Autre _____ Hrs		AW	BW	NW	HW	2'					5'					10'						AW	BW	NW	HW	2'					5'					10'					Drilling/Forage _____ Hrs _____ Mhr Drilling From/Forage de _____ TO/à _____ Overburden/Mortterrain _____ Hrs _____ Mhr Overburden From/Mort terrain de _____ TO/à _____ Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement _____ Rhr _____ Mhr From/de# _____ TO/à# _____ Distance _____ Pulling Casing/Retirer tubage _____ Rhr _____ Mhr Cemented At/Cimenter à _____ ft/m _____ Rhr _____ Mhr Cement to set/Durcir le ciment _____ Rhr _____ Mhr Drilling Cement/Forage du ciment _____ Rhr _____ Mhr From/de _____ TO/à _____ Reaming (Hole Conditions)/l'état du trou _____ Rhr _____ Mhr Waterline At/Ligne d'eau à _____ ft/m _____ Rhr _____ Mhr Survey Testing At/Assessment à _____ ft/m _____ Rhr _____ Mhr Acid Testing At/Analyse (acide) _____ ft/m _____ Rhr _____ Mhr Delays/Retard (_____) _____ Rhr _____ Mhr Walking Time/Temps de marche _____ Rhr _____ Mhr Wedging At/Coincer le trou à _____ ft/m _____ Rhr _____ Mhr Other/Autre _____ Rhr _____ Mhr (What?)/(Quoi?) _____ <p><u>MATERIALS USED, LOST OR DAMAGED</u> <u>Matériels utilisés, perdus ou endommagés:</u> <u>BAD GROUND</u></p>
	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
GENERAL REMARKS/Observations général: <u>St. Pold' rod's 3 rod's to go.</u>																																									
APPROVED BY: <u>Roger D Thomas</u> CO. REP. <u>Dave White</u> FOREMAN Approuver par: _____ Co. Rep. _____ Contremaître White-Office/Blanc-Bureau _____ Yellow-Co. Rep./Jaune-Co -Rep _____ Pink-Foreman/Rose-Contremaître																																									

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage				COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps			
Date: <u>15/04/04</u> Shift: <u>Day</u> Machine No. <u>300</u>		Drilling at: <u>Bill Ken</u> Hole Angle: <u>60°</u>		Drilling/Forage..... Hrs..... Mhr		Drilling From/Forage de..... TO/à.....	
Overburden: Hole No. #du trou From De To A Total ft/m Total de pd/m		Overburden/Mortterrain..... Hrs..... Mhr		Overburden From/Mort terrain de..... TO/à.....		Bit No. # de mèche Type Sorte ft/m pd/m	
Drilling: Hole No. <u>SPQ.04.03</u> From <u>87</u> To <u>104</u> Total ft/m <u>17m</u>		Shoe No. Type ft/m		Shoe No. Type ft/m		Shell No. # de la cartouche Type Sorte ft/m pd/m	
Bit No. <u>38978</u> Type <u>BTW</u> ft/m <u>17m</u>		Moving/Déplacement..... Rhr..... Mhr		From/de#..... TO/à#..... Distance.....		Pulling Casing/Retirer tubage..... Rhr..... Mhr	
Shoe No. Type ft/m		Cemented At/Cimenter à..... ft/m <u>3</u> Rhr <u>6</u> Mhr		Cement to set/Durcir le ciment..... Rhr..... Mhr		Drilling Cement/Forage du ciment..... Rhr..... Mhr	
TIME DISTRIBUTION/ Distribution de temps				From/de..... TO/à.....			
Drilling/Forage..... <u>5 1/2</u> Rhr <u>11</u> Mhr		Reaming (Hole Conditions)/l'état du trou..... <u>3 1/2</u> Rhr <u>7</u> Mhr		Waterline At/Ligne d'eau à..... ft/m..... Rhr..... Mhr		Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr	
Overburden/Mortterrain..... Rhr..... Mhr		Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr		Delays/Retard (.....)..... Rhr..... Mhr		Walking Time/Temp de marche..... Rhr..... Mhr	
Moving/Déplacement..... Rhr..... Mhr		Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr		Other/Autre..... Rhr..... Mhr		(What?)/(Quoi?).....	
Walking Time/Tempsdemarche..... Rhr..... Mhr		Other/Autre..... Rhr..... Mhr		(What?)/(Quoi?).....			
Repairing/Réparation..... Rhr..... Mhr		Materials Used, Lost or Damaged				Materials utiliser, perdu ou endommager: <u>two bag's of fondow</u>	
(What?)/(Quoi?).....		Casing Placed in Hole/ Tubage placer dans le trou:					
Other/Autre..... Rhr..... Mhr		Casing Recovered/Tubage récupérer: AW BW NW HW				97' out of Kimbrallyt 1ft SAN STON, bolders, gKlay AND SOME ASAN. NOT MUSH SAN lot's fo CAVE. rod' work getting hard to turn in hole this is from 97m to 104m	
Casing Placed in Hole/ Tubage placer dans le trou:		R.Foreman/Contremaître opérateur <u>Dennis Michou</u> 12 Hrs					
2'.....		Runner/Opérateur..... Hrs					
5'.....		Runner/Opérateur..... Hrs					
10'.....		Helper/Assistant <u>J.L. Baril</u> 12 Hrs				97' out of Kimbrallyt 1ft SAN STON, bolders, gKlay AND SOME ASAN. NOT MUSH SAN lot's fo CAVE. rod' work getting hard to turn in hole this is from 97m to 104m	
Casing Recovered/Tubage récupérer: AW BW NW HW		Helper/Assistant..... Hrs					
2'.....		Other/Autre..... Hrs					
5'.....		Other/Autre..... Hrs					
10'.....		Other/Autre..... Hrs					

GENERAL REMARKS/Observations général: HAD to rime bring rod's down.

APPROVED BY: Roger Thomas CO. REP. Dennis Michou FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Bianc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
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Date <u>15/04/04</u> Shift <u>Night</u> Machine No. <u>300</u> Lieu de forage <u>BILLIKEN</u> Hole Angle <u>60°</u> Overburden: Hole No. From To Total ft/m #du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SPQ 04 03 10.4</u> Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m TIME DISTRIBUTION/ Distribution de temps Drilling/Forage Rhr Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Temps demarche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>HARRY TULMAN</u> 12 Hrs Runner/Opérateur Hrs Helper/Assistant <u>WAYNE DESJARDINS</u> 12 Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment 8 Rhr 16 Mhr Drilling Cement/Forage du ciment 4 Rhr 8 Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard () Rhr Mhr Walking Time/Temps de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: Tried to go pass cement rod were getting stuck pulled back without back down girar in hole.
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général: _____

APPROVED BY: Roger Thomas CO. REP. Dave M... FOREMAN
 Approuver par: _____ Co. Rep. _____ Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.

FORAGE HEATH & SHERWOOD (1986) INC.

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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage				COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps			
Date: <u>16/04/84</u> Shift: <u>Day</u> Machine No. <u>300</u>				Drilling/Forage..... Hrs..... Mhr			
Drilling at: <u>B. MIREN</u> # de la machine <u>60</u>				Drilling From/Forage de..... TO/à.....			
Hole No. From To Total ft/m				Overburden/Mortterrain..... Hrs..... Mhr			
# du trou De À Total de pd/m				Overburden From/Mort terrain de..... TO/à.....			
Drilling: Hole No. From To Total ft/m				Bit No. Type ft/m			
<u>SPQ 04.03</u>				# de mèche Sorte pd/m			
Bit No. Type ft/m				Shoe No. Type ft/m			
# de mèche Sorte pd/m				Shell No. Type ft/m			
				# de la cartouche Sorte pd/m			
Shoe No. Type ft/m				Moving/Déplacement..... <u>2</u> Rhr <u>14</u> Mhr			
Shell No. Type ft/m				From/de#..... TO/à#..... Distance.....			
# de la cartouche Sorte pd/m				Pulling Casing/Retirer tubage..... <u>3</u> Rhr <u>6</u> Mhr			
TIME DISTRIBUTION/ Distribution de temps				Cemented At/Cimenter à..... ft/m..... Rhr..... Mhr			
Drilling/Forage..... <u>1</u> Rhr..... <u>2</u> Mhr				Cement to set/Durcir le ciment..... Rhr..... Mhr			
Overburden/Mortterrain..... Rhr..... Mhr				Drilling Cement/Forage du ciment..... Rhr..... Mhr			
Moving/Déplacement..... Rhr..... Mhr				From/de..... TO/à.....			
Walking Time/Tempsdemaiche..... Rhr..... Mhr				Rearing (Hole Conditions)/l'état du trou..... Rhr..... Mhr			
Repairing/Réparation..... Rhr..... Mhr				Waterline At/Ligne d'eau à..... ft/m..... Rhr..... Mhr			
(What?)/(Quoi?).....				Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr			
Other/Autre..... Rhr..... Mhr				Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr			
(What?)/(Quoi?).....				Delays/Retard (.....)..... Rhr..... Mhr			
Casing Placed in Hole/ Tubage placer dans le trou:				Walking Time/Temp de marche..... Rhr..... Mhr			
				Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr			
				Other/Autre..... Rhr..... Mhr			
				(What?)/(Quoi?).....			
				Materials Used, Lost or Damaged			
AW BW NW HW				Matériels utiliser, perdu ou endommager:			
2'.....				<u>SHOE BIT # 3E0183</u>			
5'.....				<u>ONE 5FT CASSING STAYD</u>			
10'.....				<u>IN HOLE SPQ.04.03</u>			
Casing Recovered/Tubage récupérer: AW BW NW HW							
2'.....							
5'.....							
10'.....							
R. Foreman/Contremaître opérateur: <u>DENIS MICHAU 12</u> Hrs							
Runner/Opérateur..... Hrs							
Runner/Opérateur..... Hrs							
Helper/Assistant: <u>J.L. BAIL 12</u> Hrs							
Helper/Assistant..... Hrs							
Other/Autre..... Hrs							

GENERAL REMARKS/Observations général: CASSING did not want to come out. ~~Back of~~ cassing. Tard Down Drill. to move. Went cut some logs for set up.

APPROVED BY: Roger D. Thomas CO. REP. Denis Michau FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep. Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage				COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps			
Date <u>16/04/04</u> Shift <u>Night</u> Machine No. <u>300</u> Heure de travail # de la machine				Drilling/Forage.....Hrs.....Mhr			
Drilling at.....Hole Angle..... Lieu de forage Angle du trou				Drilling From/Forage de.....TO/à.....			
Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m				Overburden/Mortterrain.....Hrs.....Mhr			
.....				Overburden From/Mort terrain de.....TO/à.....			
.....				Bit No.....Type.....ft/m # de mèche Sorte pd/m			
.....						
Drilling: Hole No. From To Total ft/m				Shoe No.....Type.....ft/m			
.....				Shell No.....Type.....ft/m # de la cartouche Sorte pd/m			
.....				Moving/Déplacement.....Rhr.....Mhr			
Bit No.....Type.....ft/m # de mèche Sorte pd/m				From/de#.....TO/à#.....Distance.....			
.....				Pulling Casing/Retirer tubage.....Rhr.....Mhr			
Shoe No.....Type.....ft/m				Cemented At/Cimenter à.....ft/m.....Rhr.....Mhr			
Shell No.....Type.....ft/m # de la cartouche Sorte pd/m				Cement to set/Durcir le ciment.....Rhr.....Mhr			
.....				Drilling Cement/Forage du ciment.....Rhr.....Mhr			
TIME DISTRIBUTION/ Distribution de temps				From/de.....TO/à.....			
Drilling/Forage.....Rhr.....Mhr				Reaming (Hole Conditions)/l'état du trou.....Rhr.....Mhr			
Overburden/Mortterrain.....Rhr.....Mhr				Waterline At/Ligne d'eau à.....ft/m.....Rhr.....Mhr			
Moving/Déplacement.....Rhr.....Mhr				Survey Testing At/Assessment à.....ft/m.....Rhr.....Mhr			
Walking Time/Tempsdemarche.....Rhr.....Mhr				Acid Testing At/Analyse (acide).....ft/m.....Rhr.....Mhr			
Repairing/Réparation.....Rhr.....Mhr				Delays/Retard (.....).....Rhr.....Mhr			
(What?)/(Quoi?).....				Walking Time/Temp de marche.....Rhr.....Mhr			
Other/Autre.....Rhr.....Mhr				Wedging At/Coincer le trou à.....ft/m.....Rhr.....Mhr			
(What?)/(Quoi?).....				Other/Autre.....Rhr <u>8</u>Mhr <u>16</u>			
Casing Placed in Hole/ Tubage placer dans le trou:				(What?)/(Quoi?) <u>No night shift</u> <u>ON MOVED</u>			
		AW	BW	NW	HW	Materials Used, Lost or Damaged	
2'						Matériels utiliser, perdu ou endommager:	
5'							
10'							
Casing Recovered/Tubage récupérer: AW BW NW HW							
2'							
5'							
10'							
R. Foreman/Contremaître opérateur.....Hrs							
Runner/Opérateur <u>MURRY TALMAN</u> <u>8</u>Hrs							
Runner/Opérateur.....Hrs							
Helper/Assistant <u>WAYNE DESJARDINS</u> <u>8</u>Hrs							
Helper/Assistant.....Hrs							
Other/Autre.....Hrs							

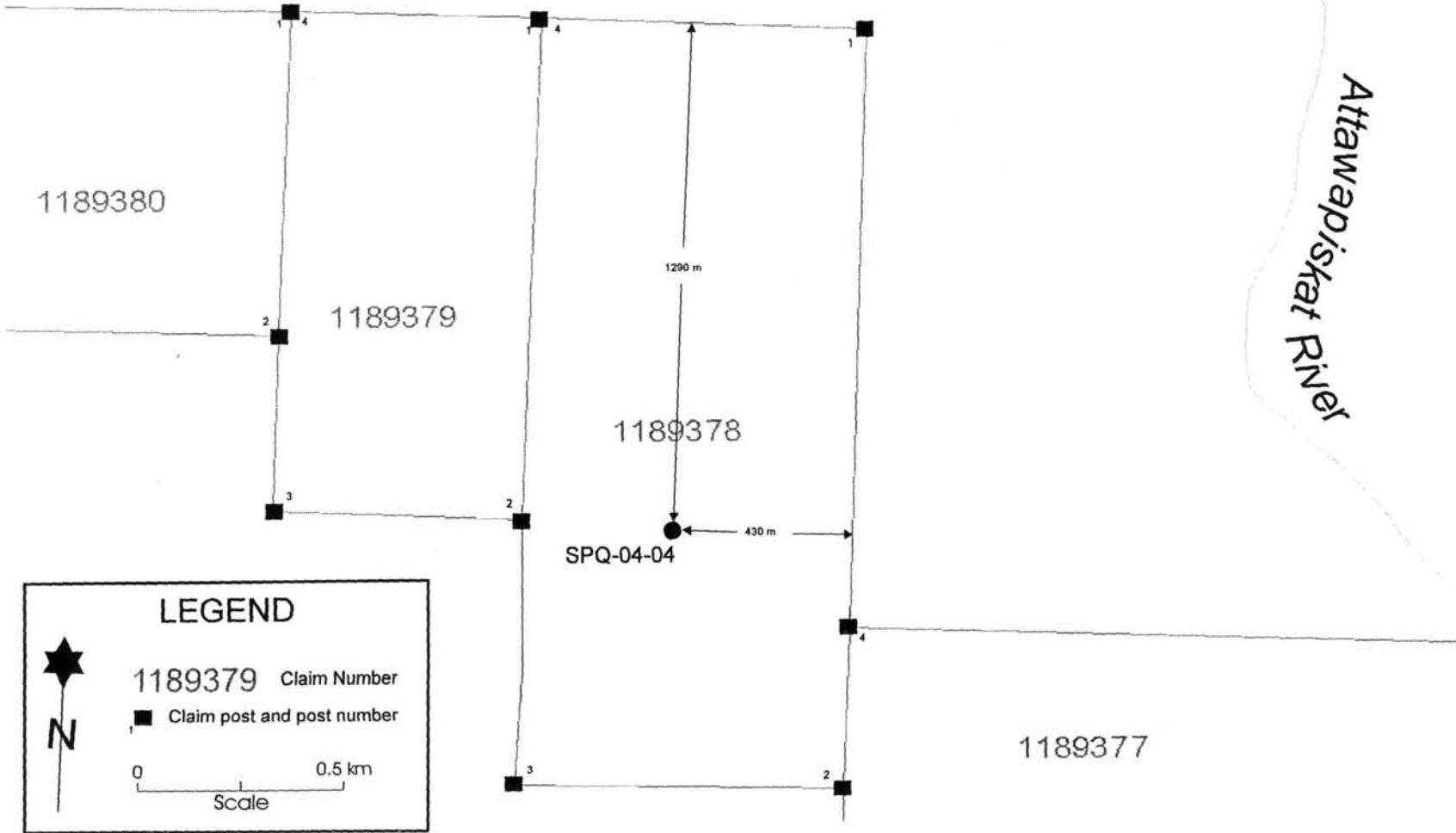
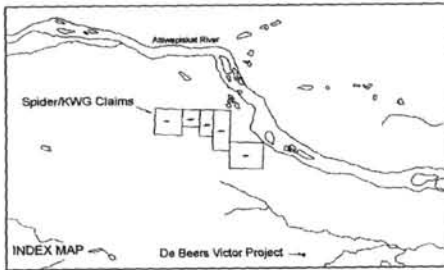
GENERAL REMARKS/Observations général: _____

APPROVED BY: Roger Thomas CO. REP. Dennis White FOREMAN
 Approuver par: _____ Co. Rep. _____ Contremaître
 White-Office/Blanc-Bureau Yellow-C6. Rep./Jaune-Co-Rep Pink-Foreman/Rose-Contremaître

APPENDIX IV

DRILL HOLE LOG, LOCATION MAP, SECTION AND DRILLER'S LOG

SPQ-04-04



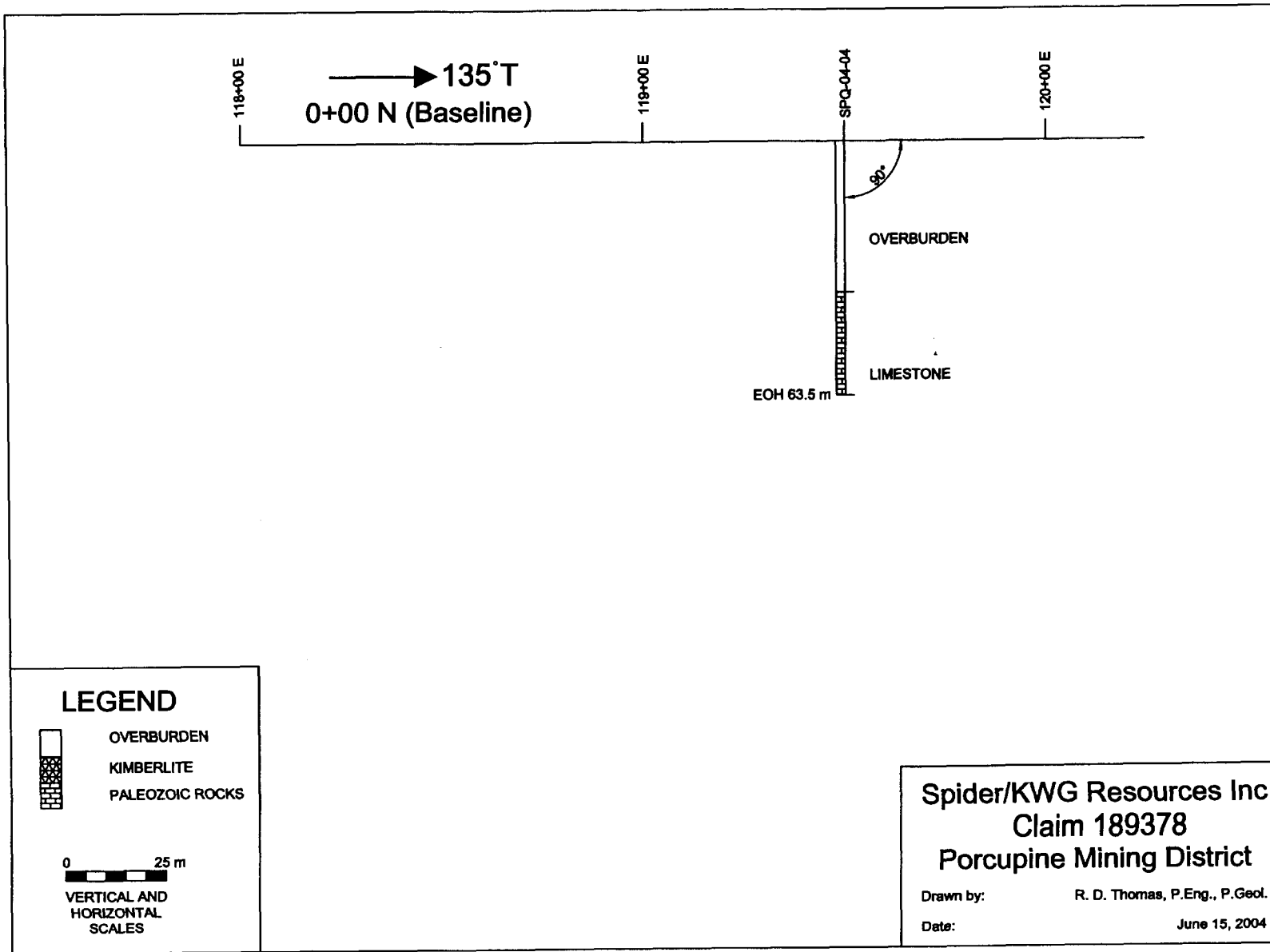
Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-04

PAGE: 2 of 3

FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample			
			SAMPLE	FROM	TO	LENGTH	% Xenoliths	Weight	From	To
0.00	37.75	<p>OVERBURDEN Peat and organic material overlying marine clay overlying glacial deposits. Only one pebble of limestone was retained. Below this, 0.65 m of regosol (?), highly weathered limestone, or till were recovered. this material is olive yellow (2.5Y6/6), moderately soft, sticky, composed of 10% fine pebbles, mainly of limestone, 60% fine sand, 30% silt and clay. Below this unit is a 60 mm piece of brown chert.</p> <p>CONTACT, first piece of limestone similar to the unit below.</p> <p>PALEOZOIC LIMESTONE Mottled grayish yellow (5Y8/4), dusky yellow (5Y6/4), and pale red (5R6/2), poorly and irregularly bedded, fairly hard but breaks easily along some bedding planes (the common piece of core is 0.05-0.10 m long with a few pieces up to 0.2 m in length); composed of 0-20% fine grained quartz sand, 10-20% fossil material and 60-90% very fine to medium crystalline calcite.</p> <p>42.85-44.40: very broken core; some probably lost.</p> <p>@50.37: sharp bedding plane, CA=90°.</p> <p>@50.95: 2 cm sand rich bed, slightly greenish; core very broken.</p> <p>51.06-51.35: several, irregular, 5 mm sand rich beds with calcite cement.</p> <p>51.60-52.35: some very clay rich seams (beds or ground core) containing 20% 1-2 mm, sub-angular - angular fragments of limestone. Core is quite broken in this section.</p> <p>52.45-52.73: very broken core; most pieces are fragments of a large coral.</p> <p>52.90-55.80: very broken core; several pieces (2-5 cm in diameter) brown chert were recovered as well as fragments of coral.</p>								
			SPQ-04-04-01	37.25	37.75	0.50	For grainsize analysis and mineralogy			



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Date: <u>17/04/04</u> Shift: <u>Day</u> Machine No. <u>300</u> Drilling at: <u>B. 11.5.E.W.</u> # de la machine <u>90°</u> Lieu de forage Hole Angle: <u>90°</u> Angle du trou Overburden: Hole No. From To Total ft/m # du trou De À Total de pd/m <u>SPA 04.04</u> <u>0</u> <u>15</u> <u>15</u>	Drilling/Forage.....Hrs.....Mhr Drilling From/Forage de.....TO/à..... Overburden/Mortterrain.....Hrs.....Mhr Overburden From/Mort terrain de.....TO/à..... Bit No.....Type.....ft/m..... # de mèche Sorte pd/m Shoe No.....Type.....ft/m..... Shell No.....Type.....ft/m..... # de la cartouche Sorte pd/m Moving/Déplacement..... <u>10</u> Rhr <u>20</u> Mhr From/de#.....TO/à#.....Distance..... Pulling Casing/Retirer tubage.....Rhr.....Mhr Cemented At/Cimenter à.....ft/m.....Rhr.....Mhr Cement to set/Durcir le ciment.....Rhr.....Mhr Drilling Cement/Forage du ciment.....Rhr.....Mhr From/de.....TO/à..... Reaming (Hole Conditions)/l'état du trou.....Rhr.....Mhr Waterline At/Ligne d'eau à..... <u>1300</u> ft/m.....Rhr.....Mhr Survey Testing At/Assessment à.....ft/m.....Rhr.....Mhr Acid Testing At/Analyse (acide).....ft/m.....Rhr.....Mhr Delays/Retard (.....).....Rhr.....Mhr Walking Time/Temp de marche.....Rhr.....Mhr Wedging At/Coincer le trou à.....ft/m.....Rhr.....Mhr Other/Autre.....Rhr.....Mhr (What?)/(Quoi?)..... Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2'..... 5'..... 10'..... R. Foreman/Contremaître opérateur: <u>Denis Michow</u> <u>12</u> Hrs Runner/Opérateur.....Hrs Runner/Opérateur.....Hrs Helper/Assistant: <u>J.L. Baril</u> <u>12</u> Hrs Helper/Assistant.....Hrs Other/Autre.....Hrs		AW	BW	NW	HW	2'					5'					10'				
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
TIME DISTRIBUTION/ Distribution de temps																					
Drilling/Forage.....Rhr.....Mhr Overburden/Mortterrain..... <u>2</u> Rhr <u>4</u> Mhr Moving/Déplacement.....Rhr.....Mhr Walking Time/Tempsdemarche.....Rhr.....Mhr Repairing/Réparation.....Rhr.....Mhr (What?)/(Quoi?)..... Other/Autre.....Rhr.....Mhr (What?)/(Quoi?)..... Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2'..... 5'..... 10'..... R. Foreman/Contremaître opérateur: <u>Denis Michow</u> <u>12</u> Hrs Runner/Opérateur.....Hrs Runner/Opérateur.....Hrs Helper/Assistant: <u>J.L. Baril</u> <u>12</u> Hrs Helper/Assistant.....Hrs Other/Autre.....Hrs		AW	BW	NW	HW	2'					5'					10'					Materials Used, Lost or Damaged <u>Work on sat up. Moved Drill</u> <u>set Drill up.</u> <u>ONE pail of D.D. 2000</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
GENERAL REMARKS/Observations général:																					

APPROVED BY: Roger D Thomas CO. REP: Denis Michow FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
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Date <u>17/04/04</u> Shift <u>Night</u> Machine No. <u>300</u> Drilling at <u>BILLIKEN</u> # de la machine <u>90°</u> Lieu de forage <u>BILLIKEN</u> Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A pd/m <u>SPQ 04.04 15 37.5 22.5</u> Drilling: Hole No. From To Total ft/m <u>SPQ 04.04 37.5 56 18.5</u> Bit No. <u>38978</u> Type <u>BTW</u> ft/m <u>18.5</u> # de mèche Sorte pd/m Shoe No. <u>3E0214</u> Type <u>BW</u> ft/m <u>22.5</u> # de la cartouche Sorte pd/m	Drilling/Forage Hrs. Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs. Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr. Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr. Mhr Cemented At/Cimenter à ft/m Rhr. Mhr Cement to set/Durcir le ciment Rhr. Mhr Drilling Cement/Forage du ciment Rhr. Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou <u>2 1/2</u> Rhr. <u>5</u> Mhr Waterline At/Ligne d'eau à ft/m Rhr. Mhr Survey Testing At/Assessment à ft/m Rhr. Mhr Acid Testing At/Analyse (acide) ft/m Rhr. Mhr Delays/Retard (.....) Rhr. Mhr Walking Time/Temp de marche Rhr. Mhr Wedging At/Coincer le trou à ft/m Rhr. Mhr Other/Autre Rhr. Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>MURRY TULMAN</u> <u>12</u> Hrs Runner/Opérateur Hrs Helper/Assistant <u>WAYNE DESJARDINS</u> <u>12</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'				
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
TIME DISTRIBUTION/ Distribution de temps																					
Drilling/Forage <u>5</u> Rhr. <u>10</u> Mhr Overburden/Mortterrain <u>4 1/2</u> Rhr. <u>9</u> Mhr Moving/Déplacement Rhr. Mhr Walking Time/Tempsdemarche Rhr. Mhr Repairing/Réparation Rhr. Mhr (What?)/(Quoi?) Other/Autre Rhr. Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>MURRY TULMAN</u> <u>12</u> Hrs Runner/Opérateur Hrs Helper/Assistant <u>WAYNE DESJARDINS</u> <u>12</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					From/de TO/à Reaming (Hole Conditions)/l'état du trou <u>2 1/2</u> Rhr. <u>5</u> Mhr Waterline At/Ligne d'eau à ft/m Rhr. Mhr Survey Testing At/Assessment à ft/m Rhr. Mhr Acid Testing At/Analyse (acide) ft/m Rhr. Mhr Delays/Retard (.....) Rhr. Mhr Walking Time/Temp de marche Rhr. Mhr Wedging At/Coincer le trou à ft/m Rhr. Mhr Other/Autre Rhr. Mhr (What?)/(Quoi?) Materials Used, Lost or Damaged <u>Had to run 50m + 56 in</u> <u>AND out lots of CAVE in hole.</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
GENERAL REMARKS/Observations général:																					
APPROVED BY: <u>Roger Thomas</u> CO. REP. <u>Dave Miller</u> FOREMAN Approuver par: Co. Rep. Contremaître White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître																					

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Date <u>18/04/04</u> Shift <u>Day</u> Machine No. <u>300</u> Drilling at <u>Billikero</u> # de la machine <u>90°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m <u>SPR.04.04</u> <u>37.5</u> <u>40.5</u> <u>3</u>	Drilling/Forage..... Hrs..... Mhr Drilling From/Forage de..... TO/à..... Overburden/Mortterrain..... Hrs..... Mhr Overburden From/Mort terrain de <u>37.5</u> TO/à <u>40.5</u> Bit No. <u>3E0214</u> Type <u>BW</u> ft/m <u>3</u> # de mèche Sorte pd/m																				
Drilling: Hole No. From To Total ft/m # du trou De A Total de pd/m <u>SPR.04.04</u> <u>56</u> <u>60.5</u> <u>4.5</u>	Shoe No..... Type..... ft/m..... # de la cartouche Sorte pd/m																				
Bit No. <u>38978</u> Type <u>BTW</u> ft/m <u>4.5</u> # de mèche Sorte pd/m	Moving/Déplacement..... Rhr..... Mhr From/de#..... TO/à#..... Distance.....																				
Shoe No. <u>3E0214</u> Type <u>BW</u> ft/m <u>3</u>	Pulling Casing/Retirer tubage..... <u>2 1/2</u> Rhr <u>5</u> Mhr Cemented At/Cimenter à..... ft/m..... Rhr..... Mhr Cement to set/Durcir le ciment..... Rhr..... Mhr Drilling Cement/Forage du ciment..... Rhr..... Mhr																				
TIME DISTRIBUTION/ Distribution de temps																					
Drilling/Forage..... <u>1/2</u> Rhr..... <u>1</u> Mhr Overburden/Mortterrain..... Rhr..... Mhr Moving/Déplacement..... Rhr..... Mhr Walking Time/Tempsdemarche..... Rhr..... Mhr Repairing/Réparation..... Rhr..... Mhr (What?)/(Quoi?)..... Other/Autre..... Rhr..... Mhr (What?)/(Quoi?).....	From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... <u>9</u> Rhr <u>18</u> Mhr Waterline At/Ligne d'eau à..... ft/m..... Rhr..... Mhr Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr Delays/Retard (.....)..... Rhr..... Mhr Walking Time/Temp de marche..... Rhr..... Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr Other/Autre..... Rhr..... Mhr (What?)/(Quoi?).....																				
Casing Placed in Hole/ Tubage placer dans le trou: <table border="0" style="width:100%;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		AW	BW	NW	HW	2'					5'					10'					Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager:
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
Casing Recovered/Tubage récupérer: AW BW NW HW 2'..... 5'..... 10'.....	Pold rod's out whent back in hole Had to rimp for from 37.5 to 56m Drill 3m Brock from Hat 58m whent to 60.5 m trid to rimp casing down whent 3m shoe Bit finish. Pold rod's whent down with open rod's. pold casing out 3m to go. HAVE TO RIMP CASSING TO 60.5 MAKE MORE.																				
R. Foreman/Contremaître opérateur <u>Denis Michon</u> 12 Hrs Runner/Opérateur..... Hrs Runner/Opérateur..... Hrs Helper/Assistant <u>JL. Baril</u> 12 Hrs Helper/Assistant..... Hrs Other/Autre..... Hrs																					

GENERAL REMARKS/Observations général: rod's ARE GETTING STOCK IN HOLE

APPROVED BY: Roguel Thomas CO. REP. Derek [Signature] FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co-Rep Pink-Foreman/Rose-Contremaître

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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date <u>18/04/84</u> Shift <u>night</u> Machine No. <u>300</u> Hours de travail # de la machine Drilling at <u>B. 111. BKN</u> Hole Angle <u>90°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m <u>SPQ 04.04</u> <u>40.5</u> <u>53m</u> <u>12.5m</u>	Drilling/Forage..... Hrs..... Mhr Drilling From/Forage de..... TO/à..... Overburden/Mortterrain..... <u>12 1/2</u> Hrs. <u>2.5</u> Mhr Overburden From/Mort terrain de <u>40.5</u> TO/à <u>53m</u> Bit No..... Type <u>BW</u> ft/m <u>12.5</u> # de mèche Sorte pd/m Shoe No. <u>3E0215</u> Type <u>BW</u> ft/m <u>12.5</u> Shell No..... Type..... ft/m # de la cartouche Sorte pd/m Moving/Déplacement..... Rhr..... Mhr From/de#..... TO/à#..... Distance..... Pulling Casing/Retirer tubage..... Rhr..... Mhr Cemented At/Cimenter à..... ft/m..... Rhr..... Mhr Cement to set/Durcir le ciment..... Rhr..... Mhr Drilling Cement/Forage du ciment..... Rhr..... Mhr From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... Rhr..... Mhr Waterline At/Ligne d'eau à..... ft/m..... Rhr..... Mhr Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr Delays/Retard (.....)..... Rhr..... Mhr Walking Time/Temp de marche..... Rhr..... Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr Other/Autre..... Rhr..... Mhr (What?)/(Quoi?)..... Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>REMMING CASINGS IN BRAD</u> <u>ROCK. TRY TO GO TO 60.5M</u> <u>CASINGS DO NOT WANT TO</u> <u>GO NOWHERE. START GOING DOWN</u> <u>WHIT ROD'S</u> <u>USED 6. STOPPED ONE PAIR</u> <u>TO GET RETURN.</u>																				
Drilling: Hole No. From To Total ft/m Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type <u>BW</u> ft/m <u>12.5</u> Shell No. Type..... ft/m # de la cartouche Sorte pd/m TIME DISTRIBUTION/ Distribution de temps Drilling/Forage..... Rhr..... Mhr Overburden/Mortterrain..... Rhr..... Mhr Moving/Déplacement..... Rhr..... Mhr Walking Time/Temp demarche..... Rhr..... Mhr Repairing/Réparation..... Rhr..... Mhr (What?)/(Quoi?)..... Other/Autre..... Rhr..... Mhr (What?)/(Quoi?)..... Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">AW</th> <th style="text-align: center;">BW</th> <th style="text-align: center;">NW</th> <th style="text-align: center;">HW</th> </tr> </thead> <tbody> <tr><td>2'</td><td></td><td></td><td></td><td></td></tr> <tr><td>5'</td><td></td><td></td><td></td><td></td></tr> <tr><td>10'</td><td></td><td></td><td></td><td></td></tr> </tbody> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2'..... 5'..... 10'..... R. Foreman/Contremaître opérateur..... Hrs Runner/Opérateur <u>MURRY TULAM</u> <u>12 1/2</u> Hrs Runner/Opérateur..... Hrs Helper/Assistant <u>WAYNE DEJARDINS</u> <u>12 1/2</u> Hrs Helper/Assistant..... Hrs Other/Autre..... Hrs		AW	BW	NW	HW	2'					5'					10'					
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
GENERAL REMARKS/Observations général:																					
APPROVED BY: <u>Raymond Thomas</u> CO. REP. <u>David Wilson</u> FOREMAN Approuver par: Co. Rep. Contremaître White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître																					

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps
Date: <u>19/04/04</u> Shift: <u>Day</u> Machine No. <u>300</u>	Drilling/Forage..... Hrs. <u>1</u> Mhr
Drilling at: <u>B. WIKEN</u> # de la machine <u>90°</u>	Drilling From/Forage de..... <u>60.5</u> TO/à <u>63.5</u>
Lieu de forage: <u>B. WIKEN</u> Angle du trou	Overburden/Mortterrain..... Hrs. <u>10</u> Mhr
Overburden:	Overburden From/Mort terrain de..... <u>53</u> TO/à <u>53</u>
Hole No. <u>SPQ. 04.04</u> From De To A Total ft/m Total de pd/m	Bit No. <u>3897B</u> Type <u>BTU</u> # de mèche <u>3</u>
Drilling: Hole No. From To Total ft/m	Shoe No. <u>3E.0215</u> Type <u>BW</u> ft/m <u>0</u>
Bit No. Type ft/m # de mèche Sorte pd/m	Shell No. Type ft/m # de la cartouche Sorte pd/m
Shoe No. Type ft/m	Moving/Déplacement..... Rhr. Mhr
Shell No. Type ft/m # de la cartouche Sorte pd/m	From/de# TO/à# Distance
TIME DISTRIBUTION/ Distribution de temps	Pulling Casing/Retirer tubage..... Rhr. Mhr
Drilling/Forage..... Rhr. Mhr	Cemented At/Cimenter à..... ft/m Rhr. Mhr
Overburden/Mortterrain..... Rhr. Mhr	Cement to set/Durcir le ciment..... Rhr. Mhr
Moving/Déplacement..... Rhr. Mhr	Drilling Cement/Forage du ciment..... Rhr. Mhr
Walking Time/Tempdemarche..... Rhr. Mhr	From/de..... TO/à
Repairing/Réparation..... Rhr. Mhr	Reaming (Hole Conditions)/l' état du trou..... <u>6 1/2</u> Rhr. <u>12</u> Mhr
(What?)/(Quoi?).....	Waterline At/Ligne d'eau à..... ft/m Rhr. Mhr
Other/Autre..... Rhr. Mhr	Survey Testing At/Assessment à..... ft/m Rhr. Mhr
(What?)/(Quoi?).....	Acid Testing At/Analyse (acide)..... ft/m Rhr. Mhr
Casing Placed in Hole/ Tubage placer dans le trou:	Delays/Retard (.....)..... Rhr. Mhr
AW BW NW HW	Walking Time/Temp de marche..... Rhr. Mhr
2'.....	Wedging At/Coincer le trou à..... ft/m Rhr. Mhr
5'.....	Other/Autre..... Rhr. Mhr
10'.....	(What?)/(Quoi?).....
Casing Recovered/Tubage récupérer: AW BW NW HW	Materials Used, Lost or Damaged
2'.....	Matériels utiliser, perdu ou endommager:
5'.....	<u>Went down whit rod's air</u>
10'.....	<u>finish going down whit rod's</u>
R. Foreman/Contremaître opérateur <u>Denis Michon 11 1/2</u> Hrs	<u>had to rime from 53.60.5 m</u>
Runner/Opérateur..... Hrs	<u>went down 3 m more whit</u>
Runner/Opérateur..... Hrs	<u>rod's just saw</u>
Helper/Assistant <u>Jil. Bacil 11 1/2</u> Hrs	<u>So from 58m to 60 63.5</u>
Helper/Assistant..... Hrs	<u>saw and boldrus and</u>
Other/Autre..... Hrs	<u>klay</u>
	<u>had to pull rod's back out</u>
	<u>to muck saw in rod's</u>

GENERAL REMARKS/Observations général: Went back down Home maid
rimer. pop G. stop in hole didn't have rimer
can't turn casing to rime pull some
casing out NAGO.

APPROVED BY: Roger Thomas CO. REP. Denis Michon FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Bianco-Bureau Yellow-Co. Rep./Jaune-Co-Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date: <u>9/10/04</u> Shift: <u>Night</u> Machine No: <u>300</u> Drilling at: <u>Billings</u> Hole Angle: <u>90</u> Lieu de forage: Angle du trou Overburden: Hole No. From To Total ft/m # du trou De À Total de pd/m Drilling: Hole No. From To Total ft/m Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m	Drilling/Forage.....Hrs.....Mhr Drilling From/Forage de.....TO/à..... Overburden/Mortterrain.....Hrs.....Mhr Overburden From/Mort terrain de.....TO/à..... Bit No.....Type.....ft/m..... # de mèche Sorte pd/m Shoe No.....Type.....ft/m..... Shell No.....Type.....ft/m..... # de la cartouche Sorte pd/m Moving/Déplacement..... <u>7</u> Rhr <u>14</u> Mhr From/de#.....TO/à#.....Distance..... Pulling Casing/Retirer tubage..... <u>4 1/2</u> Rhr <u>9</u> Mhr Cemented At/Cimenter à.....ft/m.....Rhr.....Mhr Cement to set/Durcir le ciment.....Rhr.....Mhr Drilling Cement/Forage du ciment.....Rhr.....Mhr From/de.....TO/à..... Reaming (Hole Conditions)/l'état du trou.....Rhr.....Mhr Waterline At/Ligne d'eau à.....ft/m.....Rhr.....Mhr Survey Testing At/Assessment à.....ft/m.....Rhr.....Mhr Acid Testing At/Analyse (acide).....ft/m.....Rhr.....Mhr Delays/Retard (.....).....Rhr.....Mhr Walking Time/Temp de marche.....Rhr.....Mhr Wedging At/Coincer le trou à.....ft/m.....Rhr.....Mhr Other/Autre.....Rhr.....Mhr (What?)/(Quoi?)..... Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2'..... 5'..... 10'..... R. Foreman/Contremaître opérateur.....Hrs Runner/Opérateur <u>Murray Tulam</u> <u>12</u> Hrs Runner/Opérateur.....Hrs Helper/Assistant <u>Wayne Dejardins</u> <u>12</u> Hrs Helper/Assistant.....Hrs Other/Autre.....Hrs		AW	BW	NW	HW	2'					5'					10'				
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
TIME DISTRIBUTION/ Distribution de temps																					
Drilling/Forage <u>bold rods</u> <u>5</u> Rhr <u>1</u> Mhr																					
Overburden/Mortterrain.....Rhr.....Mhr																					
Moving/Déplacement.....Rhr.....Mhr																					
Walking Time/Temp demarche.....Rhr.....Mhr																					
Repairing/Réparation.....Rhr.....Mhr																					
(What?)/(Quoi?).....																					
Other/Autre.....Rhr.....Mhr																					
(What?)/(Quoi?).....																					
Materials Used, Lost or Damaged																					
Matériels utiliser, perdu ou endommager:																					
<u>RE COVERED ALL CASINGS.</u>																					
<u>drin up WATERLINE.</u>																					
<u>terrings down for mould.</u>																					

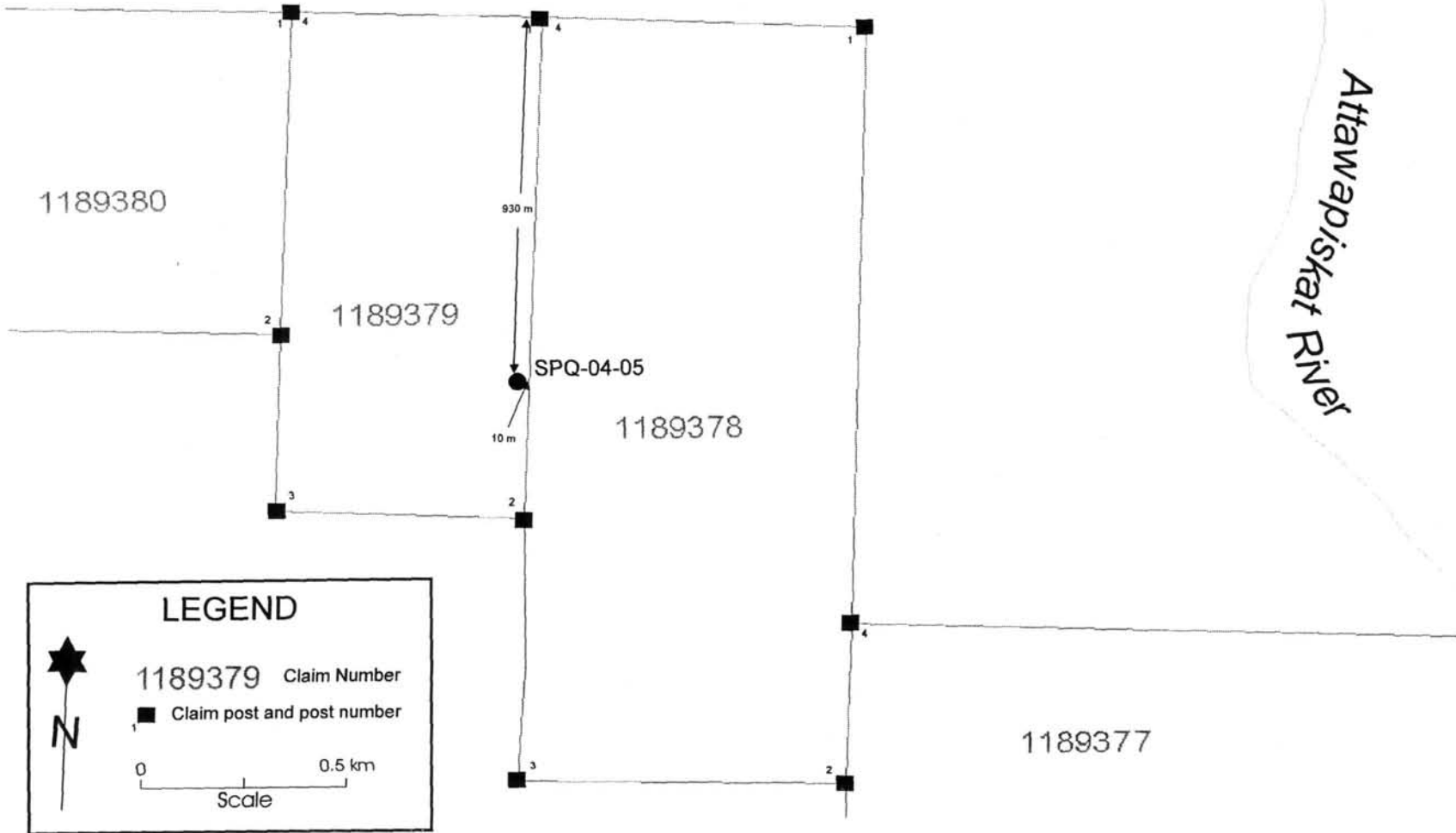
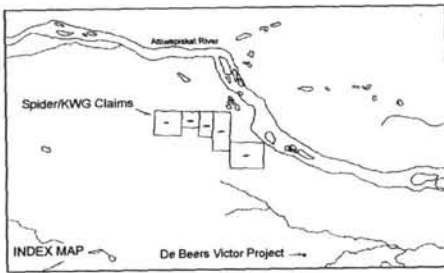
GENERAL REMARKS/Observations général:

APPROVED BY: Royce Thomas CO. REP. Derek Fisher FOREMAN
 Approuver par: Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep Pink-Foreman/Rose-Contremaître

APPENDIX V

**DRILL HOLE LOG, DIAMOND RESULTS,
LOCATION MAP, SECTION AND DRILLER'S LOG**

SPQ-04-05



Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-05

PAGE: 4 of 10

FROM	TO	DESCRIPTION	Analytical Sample					Representative Sample			
			SAMPLE	FROM	TO	LENGTH	% Xenoliths	Weight	From	To	Length
60.00	77.93	<p>PALEOZOIC LIMESTONE (Continued)</p> <p>@62.60: sand beds become more irregular, eventually becoming lenses and irregular masses. They have calcite cement.</p> <p>@66.00: becomes increasingly mottled with light grey (N7) sections over the next few metres until the grey sections comprise 80% of the core. Fossil content also decreases to trace and is confined to specific fossiliferous beds.</p> <p>69.50-71.00: core is quite broken; unit is very monotonous.</p> <p>74.90-75.00: sandy, medium grained limestone bed with sharp contacts, CA=90°.</p> <p>77.79-77.93: yellow clayey layer, no calcite (volcanic ash?).</p> <p>@78.42: turns yellow and clay content increases to 50%.</p>									
77.93		CONTACT, sharp, CA=90°									
77.93	82.00	<p>PALEOZOIC LIMESTONE</p> <p>Medium light grey (N6), soft, poor core recovery (very broken), fine grained, poorly bedded; composed of 80-95% calcite, and 5-20% quartz sand. Sand occurs mainly as discrete lenses and irregular masses.</p> <p>81.50-81.80: Highly oxidized with oxidation decreasing downwards (soil profile); core is very broken; uppermost 5 cm is very soft and earthy.</p> <p>CONTACT, in broken core</p>									
82.00		KIMBERLITE, hypabyssal dyke									
82.00	82.74	<p>Black (N0), soft, competent (good core recovery), homogeneous, moderately magnetic, composed of 10% 10-20 mm well rounded olivine, 15% 3-8 mm well rounded olivine, 75% aphanitic groundmass, trace limestone xenoliths up to 3 mm in diameter along the margins. Rock is highly fractured and fractures are filled with <1 mm of calcite.</p>	00032	82.00	82.74	0.65	5	2.75	82.45	82.54	0.09

Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-05

PAGE: 6 of 10

FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	LENGTH	% Xenoliths	Weight	From	To	Length
82.87	105.08	PALEOZOIC LIMESTONE (Continued) 92.20-96.34: quartz sandstone bed with calcite cement. 96.39-96.67: sandstone, 20% quartz, 80% calcite (limestone fragments), trace rounded limestone pebbles. 96.80-96.96: several 5-20 mm thick lenses of white quartz sand. @97.20: lens of white quartz sand, 40 mm thick. 98.05-98.26: quartz sandstone bed with a few pebbles of limestone to 20 mm in diameter. 100.40-100.61: quartz sandstone with 30% granules and fine pebbles up to 5 mm in diameter. Many of the clasts are not of local limestone. 101.35-101.98: sand content is 10-30%. 103.21-103.86: fine grained quartz sandstone with calcite cement. Some chert nodules. CONTACT , in broken core; start of highly weathered material.									
105.08		KIMBERLITE , hypabyssal									
105.08	131.38	Highly variable with respect to color, physical properties and composition. 105.00-105.69: Weathered kimberlite (Paleosol): highly oxidized (10YR6/6 - brownish yellow) at top to slightly oxidized (10YR7/4 - very pale brown) at the bottom of the section. 105.69-106.27: light grey (N7), fine grained (leached zone in soil profile). Overall texture resembles that of the kimberlite below, but individual primary minerals are not identifiable because they are all highly altered by weathering. 106.17-106.27: 40% 8-10 mm, well rounded olivine; 40% 1-2 mm well rounded olivine; 20% calcite.									
			00033 dating	105.00	108.11	2.46	2	8.80	106.96 107.26	107.26 107.61	0.3 0.35
									100.4	100.61	0.21

Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-05

PAGE: 7 of 10

FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	LENGTH	% Xenoliths	Weight	From	To	Length
105.08	131.38	<p>KIMBERLITE, hypabyssal (Continued)</p> <p>106.27-108.11: greenish black (5G2/1), moderately hard, moderately competent with good core recovery in 0.2-0.4 m lengths, moderately homogeneous, slightly magnetic; composed of 2% limestone xenoliths, 10 x 20 mm in average size; 5-10% well rounded, 5-10 mm diameter, dark green olivine; 10% 1-2 mm well rounded olivine; in a very fine grained matrix of serpentine and calcite. 5% fine-grained pyrite is disseminated throughout, commonly associated with the olivine.</p> <p>@107.07: two pyrope garnets, 2-4 mm in diameter.</p> <p>@107.27: one 3 mm diameter orange garnet.</p> <p>@107.43: one 3 mm diameter orange garnet.</p> <p>@107.74: begins to turn medium grey (N5) in color.</p> <p>108.11-114.83: kimberlite with 45% limestone xenoliths. The kimberlite occurs as 0.1-0.3 m thick dykes separates by 0.1-1.0 m thick sections of limestone. The kimberlite is in a few places as above, but is mainly as ground or broken core. The limestone is a grey variety, highly fractured with no apparent bedding planes.</p> <p>@114.20: two 1 mm chrome diopsides.</p> <p>114.83-118.29: kimberlite, hypabyssal, black (N1), fairly homogeneous, slightly magnetic, soft, competent with good core recovery (0.2-0.4 m lengths); composed of 10% rounded to well rounded, embayed, corroded, 10-90 mm in diameter, limestone xenoliths; 10% feldspar-biotite gneiss xenoliths up to 15 cm in diameter, commonly broken into several pieces, embayed with sharp contacts; 5% 3-8 mm diameter, well rounded olivine, 10% 1-2 mm well rounded olivine; in very fine grained to aphanitic groundmass of serpentine and calcite. Abundant fine, irregular fractures filled with 1-5 mm of calcite.</p> <p>114.83-115.30: reddish in colour.</p>									
			00034	108.11	114.83	6.48	45	20.60	114	114.24	0.24
			00035	114.83	118.29	3.18	20	12.25	117	117.28	0.28

Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-05

PAGE: 8 of 10

FROM	TO	DESCRIPTION	Analytical Sample				Representative Sample				
			SAMPLE	FROM	TO	Length	% Xenoliths	Weight	From	To	Length
105.08	131.38	<p>KIMBERLITE, hypabyssal (Continued)</p> <p>@116.27: one 6 mm diameter mantle xenolith containing one 1 mm pyrope garnet.</p> <p>116.70-116.83: kimberlite is highly pitted.</p> <p>118.29-127.60: kimberlite with abundant (50%) large xenoliths. The kimberlite is fairly uniform, competent, with good core recovery except as noted below. The xenoliths are 0.1-0.4 m in length, but are commonly broken into smaller pieces. Most xenoliths are of limestone, but a few, up to 0.25 m in size are of feldspar-biotite gneiss. Kimberlite is composed of 2% 10-20 mm well rounded limestone xenoliths; 2% 5-8 mm diameter, well rounded olivine, 5% 1-2 mm well rounded olivine in very fine grained to aphanitic groundmass of calcite and serpentine. Trace of disseminated pyrite.</p> <p>119.00-120.00: kimberlite turns reddish.</p> <p>123.62-123.94: highly oxidized adjacent to fracture.</p> <p>123.94-124.50: very broken core.</p> <p>127.60-131.38: kimberlite, hypabyssal, black (N1), moderately soft, competent with core recovered in 0.08 - 0.20 m lengths, moderately magnetic; composed of 5% limestone xenoliths, some partially or totally altered to serpentine; 10% 8-15 mm well rounded olivine; 5% 0.1-1.0 mm well rounded olivine; in a fine grained groundmass of calcite and serpentine; trace disseminated pyrite. Kimberlite is fractures and fractures are filled with <1 - 1 mm of calcite.</p> <p>@128.73: 60 mm limestone xenolith with 6 mm reaction rim.</p> <p>129.75-129.86: biotite-feldspar gneiss xenolith.</p> <p>@130.67: 1 mm mass of chrome diopside.</p> <p>@131.08: < 1 mm mass of pyrope garnet. 131.25-131.35: highly foliated parallel to contact below.</p>									
			00036	118.29	122.60	4.15	50	15.60	120	120.16	0.16
			00037	122.60	127.60	4.82	50	14.50	122.82	123	0.18
			00038	127.60	131.38	3.59	5	13.25	131	131.19	0.19

DIAMOND ANALYSES

Client Reference	Work Order Name	Client Sample Ref	Proc Date Started	Proc Total Primary Burn Weight	Proc No Primary Burns	Proc No Re Burns	Proc No Micro Burns	Proc Date Completed	Obs No Stones	Obs No Synthetics
Billiken Submittal	04MD016	00032	11-May-04	2.07	1			17-May-04	0	0
Billiken Submittal	04MD016	00033	11-May-04	7.91	1	1		26-May-04	0	0
Billiken Submittal	04MD016	00034	11-May-04	19.11	2		2	26-May-04	1	1
Billiken Submittal	04MD016	00035	12-May-04	11.15	1	1		25-May-04	2	1
Billiken Submittal	04MD016	00036	12-May-04	14.46	2	1		26-May-04	0	2
Billiken Submittal	04MD016	00037	12-May-04	13.27	2	1		26-May-04	0	1
Billiken Submittal	04MD016	00038	12-May-04	12.31	2	1	1	26-May-04	1	0

DIAMOND ANALYSES

Work Order Name	Client Sample Ref	Stone No	Test Sieve	Stock Ex Sieve	X	Y	Z	Wt Meas	Terrac	Fragmentation	Form
04MD016	00034	1	0.150	<0.500	0.24	0.18	0.17		BE31	Intact	OCTAHEDRAL AGGREGATE
04MD016	00035	1	0.212	<0.500	0.51	0.4	0.19		CB31	Fragment	MACLE
04MD016	00035	2	0.150	<0.500	0.37	0.24	0.18		BW01	Intact	OCTAHEDRAL AGGREGATE
04MD016	00038	1	0.150	<0.500	0.26	0.19	0.18		AE11	Intact	OCTAHEDROID

DIAMOND ANALYSES

Client Sample Ref	Stone No	Colour	Clarity	Intensity	Internal Defects Factor	Resorption	Surface Features	Obs Date	Observer
00034	1	Grey	Transparent	3	1	5	STEPPED	31-May-04	JB
00035	1	Brown	Transparent	3	1	4		27-May-04	JB
00035	2	White	Transparent	0	1	5	STEPPED	27-May-04	JB
00038	1	Grey	Transparent	1	1	5	STEPPED	31-May-04	JB

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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date: <u>20/04/04</u> Shift: <u>Day</u> Machine No. <u>300</u> Drilling at: <u>Billiken</u> # de la machine <u>90</u> Overburden: Hole Angle <u>90</u> Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage..... Rhr..... Mhr Overburden/Mortterrain..... Rhr..... Mhr Moving/Déplacement..... Rhr..... Mhr Walking Time/Temps de marche..... Rhr..... Mhr Repairing/Réparation..... Rhr..... Mhr (What?)/(Quoi?)..... Rhr..... Mhr Other/Autre..... Rhr..... Mhr (What?)/(Quoi?)..... Rhr..... Mhr Casing Placed in Hole/ Tubage placé dans le trou: <table style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Casing Recovered/Tubage récupéré:</td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> R. Foreman/Contremaître opérateur: <u>Denis Michow 12</u> Hrs Runner/Opérateur..... Hrs Runner/Opérateur..... Hrs Helper/Assistant: <u>J. L. Baril 12</u> Hrs Helper/Assistant..... Hrs Other/Autre..... Hrs		AW	BW	NW	HW	2'					5'					10'					Casing Recovered/Tubage récupéré:	AW	BW	NW	HW	2'					5'					10'					Drilling/Forage..... Hrs..... Mhr Drilling From/Forage de..... TO/à..... Overburden/Mortterrain..... Hrs..... Mhr Overburden From/Mort terrain de..... TO/à..... Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement..... Rhr..... Mhr From/de#..... TO/à#..... Distance..... Pulling Casing/Retirer tubage..... Rhr..... Mhr Cemented At/Cimenter à..... ft/m..... Rhr..... Mhr Cement to set/Durcir le ciment..... Rhr..... Mhr Drilling Cement/Forage du ciment..... Rhr..... Mhr From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... Rhr..... Mhr Waterline At/Ligne d'eau à..... <u>600</u> ft/m..... Rhr..... Mhr Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr Delays/Retard (.....)..... Rhr..... Mhr Walking Time/Temps de marche..... Rhr..... Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr Other/Autre..... Rhr..... Mhr (What?)/(Quoi?)..... <p align="center">Materials Used, Lost or Damaged</p> Matériels utilisés, perdus ou endommagés: <u>Cut set up, are finish cutting</u> <u>Maid grabbing for Drill</u> <u>Mound Drill to set up.</u> <u>Raddy to Drill casing.</u>
	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
Casing Recovered/Tubage récupéré:	AW	BW	NW	HW																																					
2'																																									
5'																																									
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GENERAL REMARKS/Observations général:

APPROVED BY: Roger D. Manon CO. REP. Denis Michow FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Bianco-Bureau Yellow-Co. Rep./Jaune-Co.-Rep. Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date: <u>20/04/04</u> Shift: <u>NIGHT</u> Machine No. <u>300</u> Drilling at: <u>B. MURKIN</u> Hole Angle: <u>90°</u> Lieu de forage: Angle du trou Overburden: Hole No. <u>05</u> From <u>0</u> To <u>36.5</u> Total ft/m <u>36.5</u> # du trou De À Total de pd/m SPA <u>04.04</u>	Drilling/Forage: <u>3 1/2</u> Hrs <u>7</u> Mhr Drilling From/Forage de: <u>36.5</u> TO/à: <u>50</u> Overburden/Mort terrain: Hrs Mhr Overburden From/Mort terrain de: TO/à:																				
Bit No. <u>3897802</u> Type <u>BTW</u> ft/m <u>13.5</u> # de mèche Sorte pd/m	Bit No. <u>3897802</u> Type <u>BTW</u> ft/m <u>13.5</u> # de mèche Sorte pd/m																				
Drilling: Hole No. From To Total ft/m " " <u>36.5</u> <u>50</u> <u>13.5</u>	Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m																				
Bit No. <u>3897802</u> Type <u>BTW</u> ft/m <u>13.5</u> # de mèche Sorte pd/m	Moving/Déplacement Rhr Mhr From/de# TO/à# Distance																				
Shoe No. <u>3E0215</u> Type <u>BW</u> ft/m <u>36.5</u> Shell No. Type ft/m # de la cartouche Sorte pd/m	Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr																				
TIME DISTRIBUTION/ Distribution de temps																					
Drilling/Forage <u>9</u> Rhr <u>9</u> Mhr Overburden/Mort terrain <u>7 1/2</u> Rhr <u>15</u> Mhr Moving/Déplacement Rhr Mhr Walking Time/Tempsdemarche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?)	Reaming (Hole Conditions)/l'état du trou <u>1</u> Rhr <u>2</u> Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard () Rhr Mhr Walking Time/Tempsdemarche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?)																				
Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr><td>2'</td><td></td><td></td><td></td><td></td></tr> <tr><td>5'</td><td></td><td></td><td></td><td></td></tr> <tr><td>10'</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		AW	BW	NW	HW	2'					5'					10'					Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: Had to REAM PASS CASING Drilling in front of casing to bring casing to <u>SAN SEM</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10'																					
R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>Murray Tulam</u> <u>12</u> Hrs Runner/Opérateur Hrs Helper/Assistant <u>WAYNE DEJARDINS</u> <u>12</u> Hrs Helper/Assistant Hrs Other/Autre Hrs																					

GENERAL REMARKS/Observations/général: CASINGS 15 IN BEAD AND ROCK

APPROVED BY: Roger D Thomas CO. REP. Deak White FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep. Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
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Date: <u>21/04/04</u> Shift: <u>DAY</u> Machine No. <u>300</u> Drilling at: <u>B. IRKEN</u> # de la machine <u>90°</u> Lieu de forage: <u>B. IRKEN</u> Angle du trou Overburden: Hole No. From To Total ft/m # du trou De À Total de pd/m <u>SPQ 04.05</u> <u>36.5</u> <u>54.5</u> <u>18</u>	Drilling/Forage: <u>1</u> Hrs. <u>2</u> Drilling From/Forage de: <u>50</u> TO/à <u>55</u> Overburden/Mortterrain: <u>11</u> Hrs. <u>22</u> Overburden From/Mort terrain de: <u>36.5</u> TO/à <u>54.5</u> Bit No. <u>38978.02</u> Type <u>BTW</u> ft/m <u>85</u> # de mèche Sorte pd/m Shoe No. <u>3E0215</u> Type <u>BW</u> ft/m <u>18</u> Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard () Rhr Mhr Walking Time/Temp de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?)																																			
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	AW	BW	NW	HW																																
2'																																				
5'																																				
10'																																				
2'																																				
5'																																				
10'																																				
R. Foreman/Contremaître opérateur <u>DENIS Michal</u> 12 Hrs Runner/Opérateur Hrs Runner/Opérateur Hrs Helper/Assistant <u>J.L. Baril</u> 12 Hrs Helper/Assistant Hrs Other/Autre Hrs																																				

GENERAL REMARKS/Observations général:

APPROVED BY: Rogues Thoma CO. REP. Denis Michal FOREMAN
 Approuver par: Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep. Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
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Date: <u>21/04/04</u> Shift: <u>PNIGHT</u> Machine No. <u>300</u> Drilling at: <u>Bill R.W.</u> # de la machine <u>90°</u> Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SP004.05</u> <u>36</u> <u>72</u> <u>16</u> Bit No. <u>38967.03</u> Type <u>BTW</u> ft/m <u>16</u> # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage <u>6</u> Rhr <u>12</u> Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Tempsdemarche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mbr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr><td>2'</td><td></td><td></td><td></td><td></td></tr> <tr><td>5'</td><td></td><td></td><td></td><td></td></tr> <tr><td>10'</td><td></td><td></td><td></td><td></td></tr> </tbody> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>MURRY TULAM</u> <u>12</u> Hrs Runner/Opérateur Hrs Helper/Assistant <u>WAYNE DEJARDINS</u> <u>12</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage <u>pump stop in hole, 1</u> Hrs <u>2</u> Mhr Drilling From/Forage de TO/à Overburden/Mortterrain <u>4</u> Hrs <u>8</u> Mhr Overburden From/Mort terrain de <u>54.5</u> TO/à <u>56m</u> Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. <u>3E0215</u> Type <u>BW</u> ft/m <u>1.5</u> Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou <u>1</u> Rhr <u>2</u> Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard (.....) Rhr Mhr Walking Time/Tempsdemarche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) <p><u>Materials Used, Lost or Damaged</u></p> <p><u>Matériels utiliser, perdu ou endommager:</u> <u>WENT out of SAN SEM HAD</u> <u>5.5m</u> <u>REAMING IN HOLE for RITERN</u> <u>AND CAUE.</u></p>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					
GENERAL REMARKS/Observations général: <u>HARD TIME TO FINISH CASSING</u>																					
APPROVED BY: <u>Roger Thomas</u> CO. REP. <u>David Wilson</u> FOREMAN Approuver par: Co. Rep. Contremaître White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep Pink-Foreman/Rose-Contremaître																					

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Date: <u>22/04/04</u> Shift: <u>Day</u> Machine No.: <u>300</u>				Drilling/Forage: <u>PUMP stop in hole</u> 1 Hrs. <u>2</u> Mhr			
Drilling at: <u>BILLIBEN</u> # de la machine: <u>90</u>				Drilling From/Forage de: TO/à:			
Hole No. From To Total ft/m # du trou De À Total de pd/m				Overburden/Mortterrain: Hrs. Mhr			
Overburden From To Total ft/m # du trou De À Total de pd/m				Overburden From/Mort terrain de: TO/à:			
Drilling: Hole No. From To Total ft/m				Bit No. Type ft/m # de mèche Sorte pd/m			
<u>SPR 04.05 72 111 39m</u>				Shoe No. Type ft/m			
Bit No. Type ft/m # de mèche Sorte pd/m				Shell No. Type ft/m # de la cartouche Sorte pd/m			
<u>38962.03 BTW 39m</u>				Moving/Déplacement: Rhr. Mhr			
Shoe No. Type ft/m				From/de# TO/à# Distance			
Shell No. Type ft/m # de la cartouche Sorte pd/m				Pulling Casing/Retirer tubage: Rhr. Mhr			
TIME DISTRIBUTION/ Distribution de temps				Cemented At/Cimenter à: ft/m. Rhr. Mhr			
Drilling/Forage: <u>1A</u> Rhr. <u>22</u> Mhr				Cement to set/Durcir le ciment: Rhr. Mhr			
Overburden/Mortterrain: Rhr. Mhr				Drilling Cement/Forage du ciment: Rhr. Mhr			
Moving/Déplacement: Rhr. Mhr				From/de: TO/à:			
Walking Time/Tempsdemarche: Rhr. Mhr				Reaming (Hole Conditions)/l'état du trou: Rhr. Mhr			
Repairing/Réparation: Rhr. Mhr				Waterline At/Ligne d'eau à: ft/m. Rhr. Mhr			
(What?)/(Quoi?):				Survey Testing At/Assessment à: ft/m. Rhr. Mhr			
Other/Autre: Rhr. Mhr				Acid Testing At/Analyse (acide): ft/m. Rhr. Mhr			
(What?)/(Quoi?):				Delays/Retard (.....) Rhr. Mhr			
Casing Placed in Hole/ Tubage placer dans le trou:				Walking Time/ Temps de marche: Rhr. Mhr			
				Wedging At/Coincer le trou à: ft/m. Rhr. Mhr			
AW BW NW HW				Other/Autre: Rhr. <u>2</u> Mhr			
2'				(What?)/(Quoi?) <u>When cut logs for NEX HOLE.</u>			
5'				<u>Materials Used, Lost or Damaged</u>			
10'				<u>Matériels utiliser, perdu ou endommager:</u>			
Casing Recovered/Tubage récupérer: AW BW NW HW							
2'							
5'							
10'							
R. Foreman/Contremaître opérateur: <u>Denis Michal 13</u> Hrs							
Runner/Opérateur: Hrs							
Runner/Opérateur: Hrs							
Helper/Assistant: <u>J.L. Baril 13</u> Hrs							
Helper/Assistant: Hrs							
Other/Autre: Hrs							

GENERAL REMARKS/Observations général: Very bad ground BROCKEND up.

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Date <u>22/01/04</u> Shift <u>Night</u> Machine No. <u>300</u> Drilling at <u>Bill. Ken</u> # de la machine <u>90°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SP8.04.05</u> <u>111</u> <u>112</u> <u>1</u> Bit No. <u>30967.03</u> Type <u>BTW</u> ft/m <u>1</u> # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage <u>1/2</u> Rhr. <u>1</u> Mhr Overburden/Mortterrain Rhr. Mhr Moving/Déplacement Rhr. Mhr Walking Time/Temps de marche Rhr. Mhr Repairing/Réparation <u>11 1/2</u> Rhr. <u>23</u> Mhr (What?)/(Quoi?) <u>GEAR BOX BROCK, TACK COVERS OF,</u> Other/Autre Rhr. Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>Harvey Tulman</u> <u>12</u> Hrs Runner/Opérateur Hrs Helper/Assistant <u>Wayne Dejardins</u> <u>12</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage Hrs. Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs. Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr. Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr. Mhr Cemented At/Cimenter à ft/m Rhr. Mhr Cement to set/Durcir le ciment Rhr. Mhr Drilling Cement/Forage du ciment Rhr. Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr. Mhr Waterline At/Ligne d'eau à ft/m Rhr. Mhr Survey Testing At/Assessment à ft/m Rhr. Mhr Acid Testing At/Analyse (acide) ft/m Rhr. Mhr Delays/Retard (.....) Rhr. Mhr Walking Time/Temps de marche Rhr. Mhr Wedging At/Coincer le trou à ft/m Rhr. Mhr Other/Autre Rhr. Mhr (What?)/(Quoi?) <p>Materials Used, Lost or Damaged</p> <p><u>Matériels utiliser, perdu ou endommager:</u></p>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général:

APPROVED BY: Roger Thomas CO. REP. Dave [Signature] FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

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Date: <u>23/04/09</u> Shift: <u>Day</u> Machine No. <u>300</u> Drilling at: <u>BILLIKES</u> # de la machine <u>90°</u> Lieu de forage: Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SPQ.04.05 112 141 29</u> Bit No. <u>38967, 03</u> Type: <u>BTW</u> ft/m. <u>29</u> # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage..... <u>10</u> Rhr. <u>20</u> Mhr Overburden/Mortterrain..... Rhr. Mhr Moving/Déplacement..... Rhr. Mhr Walking Time/Tempsdemarche..... Rhr. Mhr Repairing/Réparation..... <u>1</u> Rhr. <u>2</u> Mhr (What?)/(Quoi?) <u>fick's gear box</u> Other/Autre..... Rhr. Mbr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placé dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur <u>Denis Michow</u> 12 Hrs Runner/Opérateur Hrs Runner/Opérateur Hrs Helper/Assistant <u>Jik Bavi</u> 12 Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage..... Hrs. Mhr Drilling From/Forage de..... TO/à Overburden/Mortterrain..... Hrs. Mhr Overburden From/Mort terrain de..... TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement..... Rhr. Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage..... Rhr. Mhr Cemented At/Cimenter à..... ft/m Rhr. Mhr Cement to set/Durcir le ciment..... Rhr. Mhr Drilling Cement/Forage du ciment..... Rhr. Mhr From/de..... TO/à Reaming (Hole Conditions)/l'état du trou..... <u>1</u> Rhr. <u>2</u> Mhr Waterline At/Ligne d'eau à..... ft/m. Rhr. Mhr Survey Testing At/Assessment à..... ft/m. Rhr. Mhr Acid Testing At/Analyse (acide)..... ft/m. Rhr. Mhr Delays/Retard (..... Rhr. Mhr Walking Time/Temp de marche..... Rhr. Mhr Wedging At/Coincer le trou à..... ft/m. Rhr. Mhr Other/Autre..... Rhr. Mhr (What?)/(Quoi?) <p align="center">Materials Used, Lost or Damaged</p> Matériels utiliser, perdu ou endommager: <u>REAMING CASE IN HOLE</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général: ONE FURTH MESSING ON GEAR.

APPROVED BY: Roger D Thomas CO. REP. Denis Michow FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Bianc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date: <u>23/04/04</u> Shift: <u>NIGHT</u> Machine No. <u>300</u> Heure de travail # de la machine Drilling at: <u>BILLIKEN</u> Hole Angle: <u>90°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m #du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>5020405</u> Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m TIME DISTRIBUTION/ Distribution de temps Drilling/Forage <u>Pold rods</u> 1 Rhr 2 Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement 0 Rhr 0 Mhr Walking Time/Temps de marche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre 0 Rhr 0 Mhr (What?)/(Quoi?) <u>TEAR DOWN GET READY TO MOVE</u> Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Casing Recovered/Tubage récupérer:</td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td style="text-align: center;">ALL</td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>MURRAY TULMAN</u> Hrs Runner/Opérateur Hrs Helper/Assistant <u>WAYNE DESJARDINS</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Casing Recovered/Tubage récupérer:	AW	BW	NW	HW	2'					5'		ALL			10'					Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement <u>5</u> Rhr <u>10</u> Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage <u>5</u> Rhr <u>10</u> Mhr Cemented At/Cimenter à <u>120</u> ft/m <u>1</u> Rhr <u>2</u> Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de# TO/à# Distance Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m 0 Rhr 0 Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard () Rhr Mhr Walking Time/Temps de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre 0 Rhr 0 Mhr (What?)/(Quoi?) <u>PULL RODS</u> Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>1 BAG CEMENT</u> <u>TEAR DOWN GET READY TO MOVE</u> <u>BW casing is full boat of</u> <u>hole. 56m of casing out.</u> <u>Spore Bit is finish,</u> <u># 3E0215</u>
	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
Casing Recovered/Tubage récupérer:	AW	BW	NW	HW																																					
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5'		ALL																																							
10'																																									

GENERAL REMARKS/Observations général: Bi

APPROVED BY: Roger D Thomas
 Approuver par:
 White-Office/Blanc-Bureau

CO. REP. Dave Milla
 Co. Rep.
 Yellow-Co. Rep./Jaune-Co.-Rep

FOREMAN
 Contremaître
 Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.

FORAGE HEATH & SHERWOOD (1986) INC.

DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date: <u>26/04/84</u> Shift: <u>Day</u> Machine No. <u>300</u> Drilling at: <u>Billikan</u> # de la machine: <u>60°</u> Hole Angle: <u>60°</u> Lieu de forage: Angle du trou																																									
Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m	Drilling/Forage..... Hrs..... Mhr Drilling From/Forage de..... TO/à..... Overburden/Mortterrain..... Hrs..... Mhr Overburden From/Mort terrain de..... TO/à..... Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement..... Rhr..... Mhr From/de# <u>SP04.05</u> TO/à# <u>04.06</u> Distance <u>1Km.</u> Pulling Casing/Retirer tubage..... Rhr..... Mhr Cemented At/Cimenter à..... ft/m..... Rhr..... Mhr Cement to set/Durcir le ciment..... Rhr..... Mhr Drilling Cement/Forage du ciment..... Rhr..... Mhr From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... Rhr..... Mhr Waterline At/Ligne d'eau à... <u>1300</u> ft/m..... Rhr..... Mhr Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr Delays/Retard (.....)..... Rhr..... Mhr Walking Time/Temp de marche..... Rhr..... Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr Other/Autre..... Rhr..... Mhr (What?)/(Quoi?)..... Casing Placed in Hole/ Tubage placer dans le trou: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">AW</th> <th style="text-align: center;">BW</th> <th style="text-align: center;">NW</th> <th style="text-align: center;">HW</th> </tr> </thead> <tbody> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Casing Recovered/Tubage récupérer:</td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		AW	BW	NW	HW	2'					5'					10'					Casing Recovered/Tubage récupérer:	AW	BW	NW	HW	2'					5'					10'				
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R. Foreman/Contremaître opérateur: <u>Denis Michon</u> 12 Hrs Runner/Opérateur..... Hrs Runner/Opérateur..... Hrs Helper/Assistant: <u>Phil Baril</u> 12 Hrs Helper/Assistant..... Hrs Other/Autre..... Hrs	Materials Used, Lost or Damaged Matériels utilisés, perdu ou endommagés: <u>Finish tearing down drill</u> <u>Make set up</u> <u>Have drill ready to</u> <u>Drill.</u>																																								

GENERAL REMARKS/Observations général: _____

APPROVED BY: Roger D Thomas
 Approuver par:
 White-Office/Blanc-Bureau

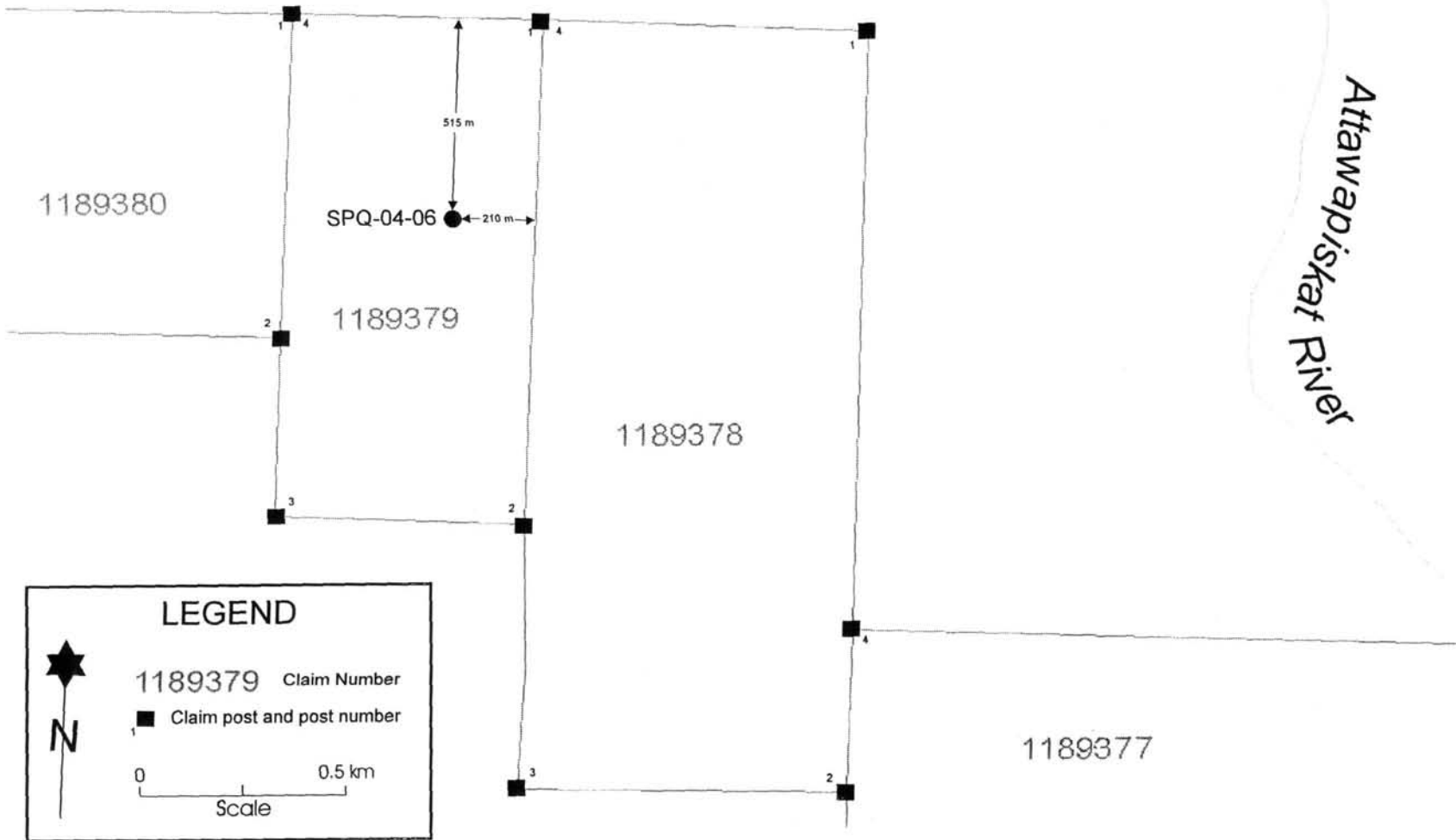
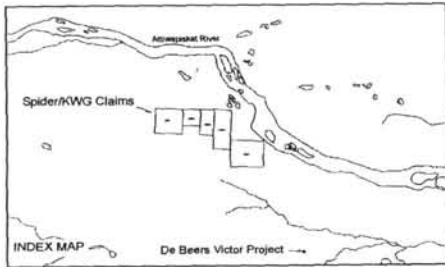
CO. REP. Denis Michon
 Co. Rep.
 Yellow-Co. Rep./Jaune-Co.-Rep

FOREMAN
 Contremaître
 Pink-Foreman/Rose-Contremaître

APPENDIX VI

DRILL HOLE LOG, LOCATION MAP, SECTION AND DRILLER'S LOG

SPQ-04-06



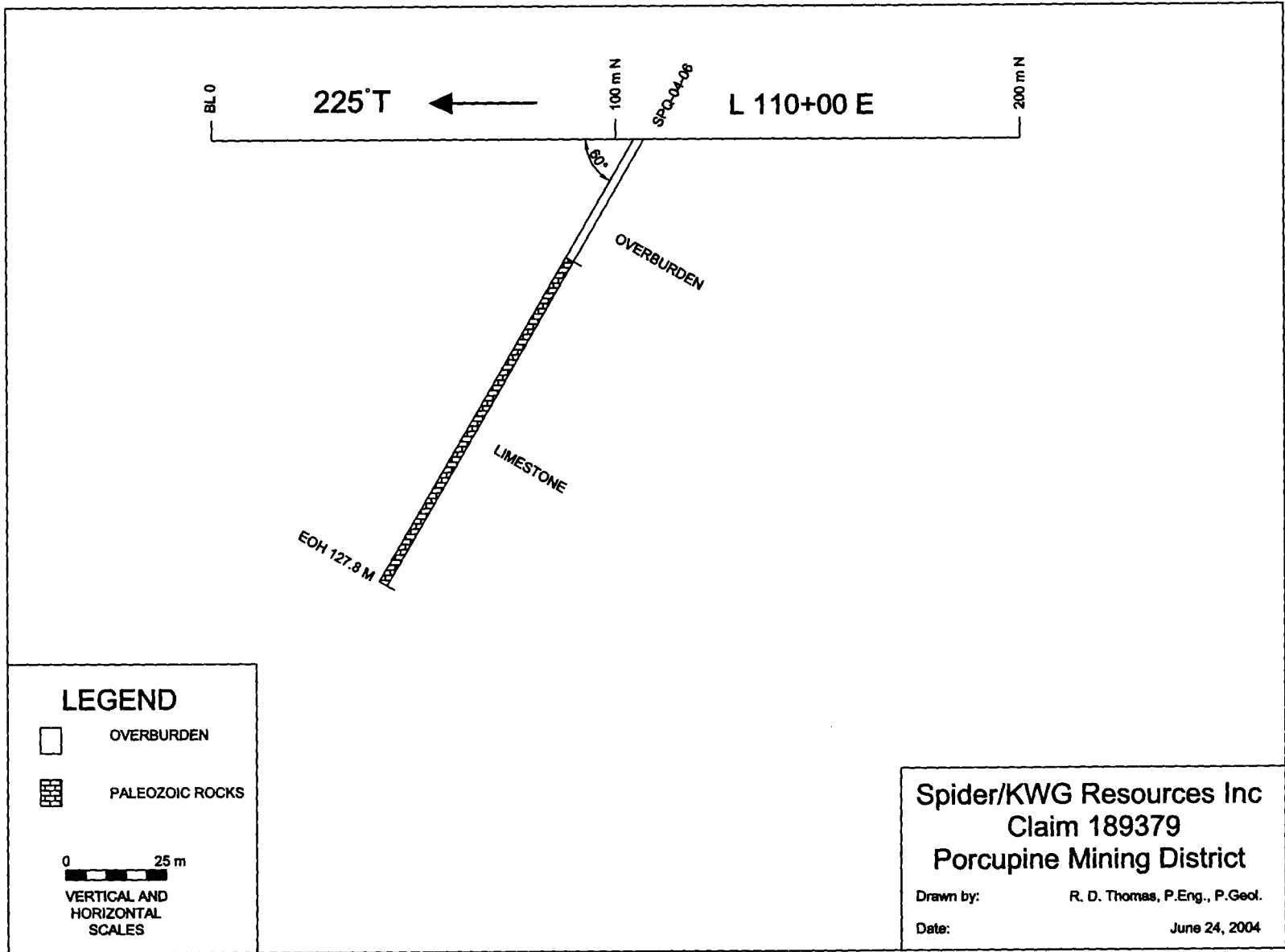
Billiken Management

PROJECT: Attawapiskat

HOLE NO: SPQ-04-06

PAGE: 4 of 6

FROM	TO	DESCRIPTION	ANALYTICAL RESULTS						
			SAMPLE	FROM	TO	LENGTH			
34.95	(127.8)	<p>PALEOZOIC LIMESTONE @97.81: sharp, straight bedding plane; CA=58°.</p> <p>99.34-99.41: turbidite bed with fossils and 3-5 mm diameter well rounded autoliths.</p> <p>99.80-100.10: some large (20-30 mm), thin (<1 mm) fossil fragments.</p> <p>104.00-104.50: contains "worm burrows".</p> <p>@104.80: begins to contain fairly abundant thin fossil fragments.</p> <p>@113.28: 20 mm thick bed of chert and fossils (10 mm diameter corals and bivalves).</p> <p>@114.04: becomes sandier (first indication).</p> <p>114.04-114.12: sand lens containing 60% fine- to medium-grained quartz sand.</p> <p>114.13-114.18: coral filled with fine- to medium-grained sand.</p> <p>114.22-117.02: predominantly sand beds, fine- to medium-grained; composed of quartz and calcite (limestone fragments) with calcite cement; abundant Coelenterata, Gastropoda and other fossils. Well bedded, CA=60°.</p> <p>@115.66: 15 mm thick bed of chert nodules.</p> <p>@115.88: 20-30 mm chert bed, dark brown.</p> <p>115.88-116.00: broken core, some chert fragments.</p> <p>@116.12: 50 mm chert bed.</p> <p>116.56-116.95: very broken core; 0.15 m lost.</p> <p>@117.04: 30 mm thick chert bed, dark brown.</p>							



LEGEND

- OVERBURDEN
- PALEOZOIC ROCKS

0 25 m
 VERTICAL AND HORIZONTAL SCALES

Spider/KWG Resources Inc
Claim 189379
Porcupine Mining District

Drawn by: R. D. Thomas, P.Eng., P.Geol.
 Date: June 24, 2004

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date <u>24/04/04</u> shift <u>NIGHT</u> Machine No. <u>300</u> Drilling at <u>DILLIKEN</u> # de la machine <u>60°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m <u>SP0.0406</u> <u>24</u> <u>35</u> <u>11</u>	Drilling/Forage..... Hrs..... Mhr Drilling From/Forage de..... TO/à..... Overburden/Mort terrain..... <u>6 1/2</u> Hrs. <u>13</u> Mhr Overburden From/Mort terrain de..... <u>0</u> TO/à <u>8 3/4</u> <u>26.5</u> Bit No..... Type..... ft/m # de mèche..... Sorte..... pd/m Shoe No. <u>3E0148</u> Type <u>NW</u> ft/m. <u>24.5</u> Shell No..... Type..... ft/m # de la cartouche..... Sorte..... pd/m Moving/Déplacement..... Rhr..... Mhr From/de..... TO/à#..... Distance..... Pulling Casing/Retirer tubage..... Rhr..... Mhr Cemented At/Cimenter à..... ft/m..... Rhr..... Mhr Cement to set/Durcir le ciment..... Rhr..... Mhr Drilling Cement/Forage du ciment..... Rhr..... Mhr From/de..... TO/à..... Reaming (Hole Conditions)/l'état du trou..... Rhr..... Mhr Waterline At/Ligne d'eau à..... ft/m..... Rhr..... Mhr Survey Testing At/Assessment à..... ft/m..... Rhr..... Mhr Acid Testing At/Analyse (acide)..... ft/m..... Rhr..... Mhr Delays/Retard (.....)..... Rhr..... Mhr Walking Time/Temp de marche..... Rhr..... Mhr Wedging At/Coincer le trou à..... ft/m..... Rhr..... Mhr Other/Autre..... Rhr..... Mhr (What?)/(Quoi?)..... Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>Put NW in hole to help BW casing when reaming in sand stone</u>																																								
Drilling: Hole No. From To Total ft/m <u>SP0</u>																																									
Bit No..... Type..... ft/m # de mèche..... Sorte..... pd/m Shoe No. <u>3W0181</u> Type <u>BW</u> ft/m. <u>11</u> Shell No..... Type..... ft/m # de la cartouche..... Sorte..... pd/m																																									
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GENERAL REMARKS/Observations général: Rod's ARE hat 35m. in SAND STON. (Bead rock)

APPROVED BY: Roger D Thomas CO. REP. Derek Milla FOREMAN
 Approuver par: _____ Co. Rep. _____ Contremaître
 White-Office/Bianc-Bureau Yellow-Co. Rep./Jaune-Co -Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
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Date: <u>25/04/04</u> Shift: <u>Day</u> Machine No. <u>300</u> Drilling at: <u>Pittker</u> # de la machine Lieu de forage: <u>Pittker</u> Hole Angle: <u>60°</u> Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m <u>S.P.A. 04.06</u>	Drilling/Forage: <u>3 1/2</u> Hrs. <u>7</u> Mhr Drilling From/Forage de: <u>35</u> TO/à <u>52.5</u> Overburden/Mortterrain: <u>8 1/2</u> Hrs. <u>17</u> Mhr Overburden From/Mort terrain de: <u>35</u> TO/à <u>52.5</u> Bit No. <u>38967.03</u> Type: <u>BTW</u> ft/m. <u>17.5</u> # de mèche Sorte pd/m Shoe No. <u>3W0181</u> Type: <u>BW</u> ft/m. <u>17.5</u> Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de# TO/à# Distance Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard () Rhr Mhr Walking Time/Temp de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?)																																								
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	AW	BW	NW	HW																																					
2'																																									
5'																																									
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GENERAL REMARKS/Observations général:

APPROVED BY: Roger Thome
 Approuver par:
 White-Office/Blanc-Bureau

CO. REP. Denis Michon
 Co. Rep.
 Yellow-Co. Rep./Jaune-Co -Rep

FOREMAN
 Contremaître
 Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date <u>25/04/04</u> Shift <u>Night</u> Machine No. <u>300</u> Drilling at <u>BILLIKEN</u> # de la machine <u>60°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m <u>SPR. 04.06</u> Drilling: Hole No. From To Total ft/m Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m TIME DISTRIBUTION/ Distribution de temps Drilling/Forage Rhr Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Temps de marche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>MURRY TULMAN</u> 12 Hrs Runner/Opérateur Hrs Helper/Assistant <u>WAYNE BESJARDINS</u> 12 Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage 3 Hrs 6 Mhr Drilling From/Forage de 52.5 TO à 69 Overburden/Mortterrain 9 Hrs 18 Mhr Overburden From/Mort terrain de 51.5 TO à 69 Bit No. 3896703 Type BTW ft/m 16.5 # de mèche Sorte pd/m Shoe No. 3W0181 Type BW ft/m 17.5 Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard () Rhr Mhr Walking Time/Temps de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) Materials Used, Lost or Damaged Matériels utilisés, perdus ou endommagés: <u>REAMING BW TO SAN SIMS.</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général:

APPROVED BY: Royce Thomas CO. REP. Dave White FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Bianc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date: <u>26/04/04</u> Shift: <u>DAY</u> Machine No: <u>300</u> Drilling at: <u>BILLIKEN</u> # de la machine: <u>60°</u> Lieu de forage: Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m	Drilling/Forage: <u>1</u> Hrs. <u>2</u> Mhr Drilling From/Forage de: <u>6.9</u> TO/à: <u>76m</u> Overburden/Mortterrain: <u>6 1/2</u> Hrs. <u>13</u> Mhr Overburden From/Mort terrain de: <u>6.9</u> TO/à: <u>76m</u> Bit No: <u>38967.03</u> Type: <u>BTW</u> ft/m: <u>7m</u> # de mèche Sorte pd/m																																								
Drilling: Hole No. From To Total ft/m <u>SPQ.04.06</u> <u>76m</u> <u>90</u> <u>14m</u>	Shoe No: <u>3W0181</u> Type: <u>BW</u> ft/m: <u>7m</u> Shell No. Type ft/m # de la cartouche Sorte pd/m																																								
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TIME DISTRIBUTION/ Distribution de temps																																									
Drilling/Forage: <u>4</u> Rhr <u>8</u> Mhr Overburden/Mortterrain: Rhr Mhr Moving/Déplacement: Rhr Mhr Walking Time/Tempsdemarche: Rhr Mhr Repairing/Réparation: <u>1</u> Rhr <u>1 1/2</u> Mhr (What?)/(Quoi?): <u>NEVER WAS BLOCK ON FOOT KIAM</u> <u>WENT BACK TO DRILL TO FIX</u> Other/Autre: Rhr Mhr (What?)/(Quoi?):	Materials Used, Lost or Damaged <u>Matériels utiliser, perdu ou endommager:</u> <u>Block trow hat 74m went</u> <u>back in rock hat 75.5</u> <u>REMED CASING PASS SAN</u> <u>SINE TO 76m.</u> <u>HOLE IS GOING GOOD.</u>																																								
Casing Placed in Hole/ Tubage placer dans le trou: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr><td>2'</td><td></td><td></td><td></td><td></td></tr> <tr><td>5'</td><td></td><td></td><td></td><td></td></tr> <tr><td>10'</td><td></td><td></td><td></td><td></td></tr> </tbody> </table> Casing Recovered/Tubage récupérer: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr><td>2'</td><td></td><td></td><td></td><td></td></tr> <tr><td>5'</td><td></td><td></td><td></td><td></td></tr> <tr><td>10'</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		AW	BW	NW	HW	2'					5'					10'						AW	BW	NW	HW	2'					5'					10'					
	AW	BW	NW	HW																																					
2'																																									
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R. Foreman/Contremaître opérateur: <u>DENIS MICHAEL</u> <u>12 1/2</u> Hrs Runner/Opérateur: Hrs Runner/Opérateur: Hrs Helper/Assistant: <u>J.L. BAILEY</u> <u>12</u> Hrs Helper/Assistant: Hrs Other/Autre: Hrs																																									

GENERAL REMARKS/Observations général: might be Miss last in hole.
END OF SHIF CHANGE

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date: <u>2/14/04</u> Shift: <u>NIGHT</u> Machine No. <u>300</u> Heure de travail # de la machine Drilling at: <u>BILLIKED</u> Hole Angle: <u>6.0°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m # du trou De À Total de pd/m Drilling: Hole No. From To Total ft/m <u>SR-04-06</u> <u>90</u> <u>116</u> <u>26</u> Bit No. <u>38967 03</u> Type <u>BTW</u> ft/m <u>26</u> # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage <u>10 1/2</u> Rhr <u>2.1</u> Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Temps de marche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>MURRAY TULLMAN</u> <u>12</u> Hrs Runner/Opérateur Hrs Helper/Assistant <u>WANDA DESJARDINS</u> <u>12</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou <u>1 1/2</u> Rhr <u>3</u> Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard (.....) Rhr Mhr Walking Time/Temps de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) <p align="center"><u>Materials Used, Lost or Damaged</u></p> <p align="center"><u>Matériels utilisés, perdus ou endommagés:</u></p> <p align="center"><u>REAMING in Hole, SAN</u></p> <p align="center"><u>ONE pail of D.D. 2000.</u></p>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général:

APPROVED BY: Ronald Thomas
 Approuver par:
 White-Office/Blanc-Bureau

CO. REP. Dennis W. Fisher
 Co. Rep.
 Yellow-Co. Rep./Jaune-Co.-Rep

FOREMAN
 Contremaître
 Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
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CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date: <u>27/04/04</u> Shift: <u>Day</u> Machine No.: <u>300</u> Drilling at: <u>BILKREW</u> # de la machine: <u>60°</u> L'ieu de forage: <u>BILKREW</u> Angle du trou: <u>60°</u> Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SP004.06</u> <u>116</u> <u>127.5</u> <u>11.5</u> Bit No. <u>38967.03</u> Type <u>BTW</u> ft/m <u>11.5</u> # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage <u>3 1/2</u> Rhr <u>7</u> Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Temps de marche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placé dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupéré: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur <u>DENIS Michou</u> 12 Hrs Runner/Opérateur Hrs Runner/Opérateur Hrs Helper/Assistant <u>J.H. BAVIL</u> 12 Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Pumping G. Stop in Hole <u>5 1/2</u> Hrs <u>11</u> Mhr AND WASHING HOLE Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de TO/à# Oistance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment Rhr Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou <u>3</u> Rhr <u>6</u> Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard (.....) Rhr Mhr Walking Time/Temps de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) <p>Materials Used, Lost or Damaged</p> Matériels utilisés, perdus ou endommagés: <u>Pumping G. Stop in Hole</u> <u>AND WASHING HOLE</u> <u>REAMMING SAN IN HOLE.</u> <u>ONE pail of G. stop</u> <u>Brock Trow 123m when T</u> <u>BACK IN HARD ROCK hat</u> <u>125.5m</u> <u>Drill in solid rock to</u> <u>127.5.</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général: _____

APPROVED BY: Roger D Thomas CO. REP. Denis Michou FOREMAN
 Approuver par: _____ Co. Rep. _____ Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date: <u>28.10.04</u> Shift: <u>Night</u> Machine No. <u>200</u> Drilling at: <u>Billikana</u> # de la machine: <u>60°</u> Lieu de forage: Angle du trou Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SPQ.04.06</u> <u>127.5</u> — — Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m # de la cartouche Sorte pd/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage Rhr Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Tempsdemarche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">AW</td> <td align="center">BW</td> <td align="center">NW</td> <td align="center">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur: <u>MURRY TALMAN</u> <u>12</u> Hrs Runner/Opérateur Hrs Helper/Assistant: <u>WAYNE BESJARDINS</u> <u>12</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à <u>127.5</u> ft/m <u>5</u> Rhr <u>10</u> Mhr Cement to set/Durcir le ciment <u>7</u> Rhr <u>14</u> Mhr Drilling Cement/Forage du ciment Rhr Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard (.....) Rhr Mhr Walking Time/Temp de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) <p>Materials Used, Lost or Damaged</p> <p><u>7 Bag's of Fondow</u> <u>pump in Hole SPQ.04.06</u> <u>to CEMENTED SIME.</u></p> <p><u>Pump rest of G. stop in</u> <u>HOLE.</u> <u>wait for cement to</u> <u>SET.</u></p>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général: _____

APPROVED BY: Roger Thomas CO. REP. Don't FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-C6. Rep./Jaune-Co-Rep Pink-Foreman/Rose-Contremaître

HEATH & SHERWOOD DRILLING (1986) INC.

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Date: <u>29/04/04</u> Shift: <u>DAY</u> Machine No.: <u>300</u> Drilling at: <u>B. I. BEN</u> # de la machine: <u>60°</u> Lieu de forage: <u>B. I. BEN</u> Angle du trou: <u>60°</u> Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>SPA. 04. 06</u> <u>12.7.5</u> <u>—</u> <u>—</u> Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p style="text-align: center;">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage Rhr Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Tempsdemarche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">AW</th> <th style="text-align: center;">BW</th> <th style="text-align: center;">NW</th> <th style="text-align: center;">HW</th> </tr> </thead> <tbody> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur: <u>Denis Michon 13</u> Hrs Runner/Opérateur Hrs Runner/Opérateur Hrs Helper/Assistant: <u>J. Baril 13</u> Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr Mhr From/de# TO/à# Distance Pulling Casing/Retirer tubage Rhr Mhr Cemented At/Cimenter à ft/m Rhr Mhr Cement to set/Durcir le ciment <u>12</u> Rhr <u>24</u> Mhr Drilling Cement/Forage du ciment <u>1</u> Rhr <u>2</u> Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr Mhr Waterline At/Ligne d'eau à ft/m Rhr Mhr Survey Testing At/Assessment à ft/m Rhr Mhr Acid Testing At/Analyse (acide) ft/m Rhr Mhr Delays/Retard (.....) Rhr Mhr Walking Time/Temp de marche Rhr Mhr Wedging At/Coincer le trou à ft/m Rhr Mhr Other/Autre Rhr Mhr (What?)/(Quoi?) <p style="text-align: center;">Materials Used, Lost or Damaged</p> <p style="text-align: center;"><u>Matériels utiliser, perdu ou endommager:</u></p> <p style="font-size: 1.2em;"><u>WENT DOWN WITH ROD'S</u> <u>TO 97 THEN 102 CEMENT</u> <u>IS NOT SET</u></p> <p style="font-size: 1.2em;"><u>HAVE TO WAIT LONGER.</u></p>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général:

APPROVED BY: Roger D Thomas CO. REP. Denis Michon FOREMAN
 Approuver par: Co. Rep. Contremaître
 White-Office/Blanc-Bureau Yellow-Co. Rep./Jaune-Co.-Rep Pink-Foreman/Rose-Contremaître

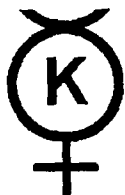
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FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																				
Date: <u>29/04/04</u> Shift: <u>NIGHT</u> Machine No. <u>300</u> Heures de travail # de la machine Drilling at: <u>B.I.L.M.N.E.N</u> Hole Angle: <u>60°</u> Lieu de forage Angle du trou Overburden: Hole No. From To Total ft/m #du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>S.P.Q. 04.01.</u> Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m TIME DISTRIBUTION/ Distribution de temps Drilling/Forage <u>Bld rod's 1</u> Rhr. <u>2</u> Mhr Overburden/Mortterrain Rhr. Mhr Moving/Déplacement Rhr. Mhr Walking Time/Temps de marche Rhr. Mhr Repairing/Réparation <u>1/2</u> Rhr. <u>1</u> Mhr (What?)/(Quoi?) <u>Gear box brock.</u> Other/Autre Rhr. Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placer dans le trou: <table style="width:100%; border: none;"> <tr> <td></td> <td style="text-align: center;">AW</td> <td style="text-align: center;">BW</td> <td style="text-align: center;">NW</td> <td style="text-align: center;">HW</td> </tr> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Casing Recovered/Tubage récupérer: AW BW NW HW 2' 5' 10' R. Foreman/Contremaître opérateur Hrs Runner/Opérateur <u>MURRAY STULMAN</u> 11 Hrs Runner/Opérateur Hrs Helper/Assistant <u>RAYNE DESJARDINS</u> 11 Hrs Helper/Assistant Hrs Other/Autre Hrs		AW	BW	NW	HW	2'					5'					10'					Drilling/Forage Hrs Mhr Drilling From/Forage de TO/à Overburden/Mortterrain Hrs Mhr Overburden From/Mort terrain de TO/à Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement Rhr. Mhr From/de TO/à# Distance Pulling Casing/Retirer tubage Rhr. Mhr Cemented At/Cimenter à ft/m Rhr. Mhr Cement to set/Durcir le ciment <u>8 1/2</u> Rhr. <u>15</u> Mhr Drilling Cement/Forage du ciment <u>2</u> Rhr. <u>4</u> Mhr From/de TO/à Reaming (Hole Conditions)/l'état du trou Rhr. Mhr Waterline At/Ligne d'eau à ft/m Rhr. Mhr Survey Testing At/Assessment à ft/m Rhr. Mhr Acid Testing At/Analyse (acide) ft/m Rhr. Mhr Delays/Retard (.....) Rhr. Mhr Walking Time/Temps de marche Rhr. Mhr Wedging At/Coincer le trou à ft/m Rhr. Mhr Other/Autre Rhr. Mhr (What?)/(Quoi?) Materials Used, Lost or Damaged Matériels utiliser, perdu ou endommager: <u>WENT DOWN CHAIR</u> <u>CEMENT, 3 TIME</u> <u>4 TIME Drill it was</u> <u>Hard.</u>
	AW	BW	NW	HW																	
2'																					
5'																					
10'																					

GENERAL REMARKS/Observations général: finish bracking rod's
By HAND, BECAUSE GEAR BOX WAS
brock.

HEATH & SHERWOOD DRILLING (1986) INC.
FORAGE HEATH & SHERWOOD (1986) INC.
DAILY REPORT - Rapport journalier

CONTRACTOR'S TIME/temps de l'entrepreneur Included in the Drilling Rate/Inclus dans le tarif de forage	COMPANY TIME AND MATERIALS Temps et matériels de la compagnie Time Distribution/Distribution de temps																																								
Date: <u>30/04/04</u> Shift: <u>Day</u> Machine No. <u>300</u> Drilling at: <u>BILLIKEN</u> # de la machine: <u>60°</u> Lieu de forage: <u>BILLIKEN</u> Angle du trou: <u>60°</u> Overburden: Hole No. From To Total ft/m # du trou De A Total de pd/m Drilling: Hole No. From To Total ft/m <u>B.P.R. 04.06.</u> Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m <p align="center">TIME DISTRIBUTION/ Distribution de temps</p> Drilling/Forage Rhr Mhr Overburden/Mortterrain Rhr Mhr Moving/Déplacement Rhr Mhr Walking Time/Temps de marche Rhr Mhr Repairing/Réparation Rhr Mhr (What?)/(Quoi?) Other/Autre Rhr Mhr (What?)/(Quoi?) Casing Placed in Hole/ Tubage placé dans le trou: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Casing Recovered/Tubage récupéré: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>AW</th> <th>BW</th> <th>NW</th> <th>HW</th> </tr> </thead> <tbody> <tr> <td>2'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5'</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10'</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> R. Foreman/Contremaître opérateur: <u>DENIS MICHAUD 12</u> Hrs Runner/Opérateur: <u>Murray TALMAN 8</u> Hrs Runner/Opérateur: _____ Hrs Helper/Assistant: <u>WAYNE BESJARDINS 8</u> Hrs Helper/Assistant: <u>J.L. BACIL 12</u> Hrs Other/Autre _____ Hrs		AW	BW	NW	HW	2'					5'					10'						AW	BW	NW	HW	2'					5'					10'					Drilling/Forage _____ Hrs Mhr Drilling From/Forage de _____ TO/à _____ Overburden/Mortterrain _____ Hrs Mhr Overburden From/Mort terrain de _____ TO/à _____ Bit No. Type ft/m # de mèche Sorte pd/m Shoe No. Type ft/m Shell No. Type ft/m # de la cartouche Sorte pd/m Moving/Déplacement <u>12</u> Rhr <u>24'</u> Mhr From/de# _____ TO/à# _____ Distance _____ Pulling Casing/Retirer tubage _____ Rhr Mhr Cemented At/Cimenter à _____ ft/m Rhr Mhr Cement to set/Durcir le ciment _____ Rhr Mhr Drilling Cement/Forage du ciment _____ Rhr Mhr From/de _____ TO/à _____ Reaming (Hole Conditions)/l'état du trou _____ Rhr Mhr Waterline At/Ligne d'eau à _____ ft/m Rhr Mhr Survey Testing At/Assessment à _____ ft/m Rhr Mhr Acid Testing At/Analyse (acide) _____ ft/m Rhr Mhr Delays/Retard (.....) _____ Rhr Mhr Walking Time/Temps de marche _____ Rhr Mhr Wedging At/Coincer le trou à _____ ft/m Rhr Mhr Other/Autre <u>8</u> Rhr <u>16</u> Mhr (What?)/(Quoi?) <u>NO NIGHT SHIF</u> <p align="center">Materials Used, Lost or Damaged</p> Matériels utiliser, perdu ou endommager: <u>CASINGS WAS LEFT IN HOLE till WE COME BACK.</u> <u>SHOR BIT # BW 3E0181</u> <u># NW 3E0148</u> <u>CASING NW 24.2</u> 17.5 <u>BW 76m</u> <u>NW 17 piece of 1.5m</u> <u>" " 2 " " of 2ft</u> <u>BW 50 piece of 1.5m</u> <u>2 " " of 2 ft</u>
	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
	AW	BW	NW	HW																																					
2'																																									
5'																																									
10'																																									
GENERAL REMARKS/Observations général: <u>Crossing Job. Drill. AND camp.</u>																																									
APPROVED BY: <u>Roger D Thomas</u> CO. REP. <u>Denis Michaud</u> FOREMAN Approuver par: _____ Co. Rep. _____ Contremaître White-Office/Blanc-Bureau _____ Yellow-Co. Rep./Jaune-Co.-Rep _____ Pink-Foreman/Rose-Contremaître																																									



KENNECOTT CANADA EXPLORATION INC.

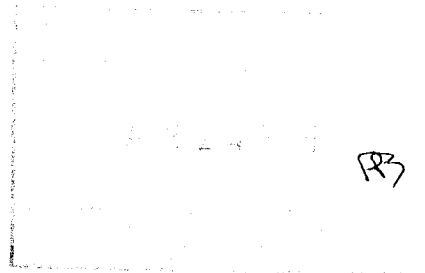
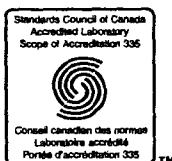
**MICRODIAMOND ANALYSIS
TEST REPORT**

04MD013

Billiken Submittal

Prepared for:
Billiken Management Services Inc.
53 Yonge Street, Second Floor
Toronto, Ont M5E 1J3

Jim Crawford
Laboratory Manager
May 25, 2004



Accredited to ISO/IEC 17025 for specific registered tests.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4
Telephone (807) 473-5558 Facsimile (807) 473-5660

This report refers to samples processed as-received.
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Mineral Processing Laboratory



KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5660



METHOD DESCRIPTION

Accredited to ISO/IEC 17025 for specific registered tests.

23 samples were submitted for caustic fusion processing and microdiamond recovery. The as-received samples were processed according to registered methods and standard operating procedures. The results are summarized in the Certificates of Analysis. Standard operating procedures are listed below, sample abnormalities and possible damage caused during shipping are noted on the Certificate.

MICRO DIAMOND SAMPLE PROCESSING

Sample processing at Kennecott Canada Exploration Inc. Mineral Processing Laboratory in Thunder Bay, ON consists of wet chemical processes including fusion with NaOH, dissolving in KNO_3 , neutralization with HCl, sieving and classifying (see Figure 1 for a summary flow sheet). This procedure reduces the sample size from 10 kilograms to a concentrate of approximately 15 grams.

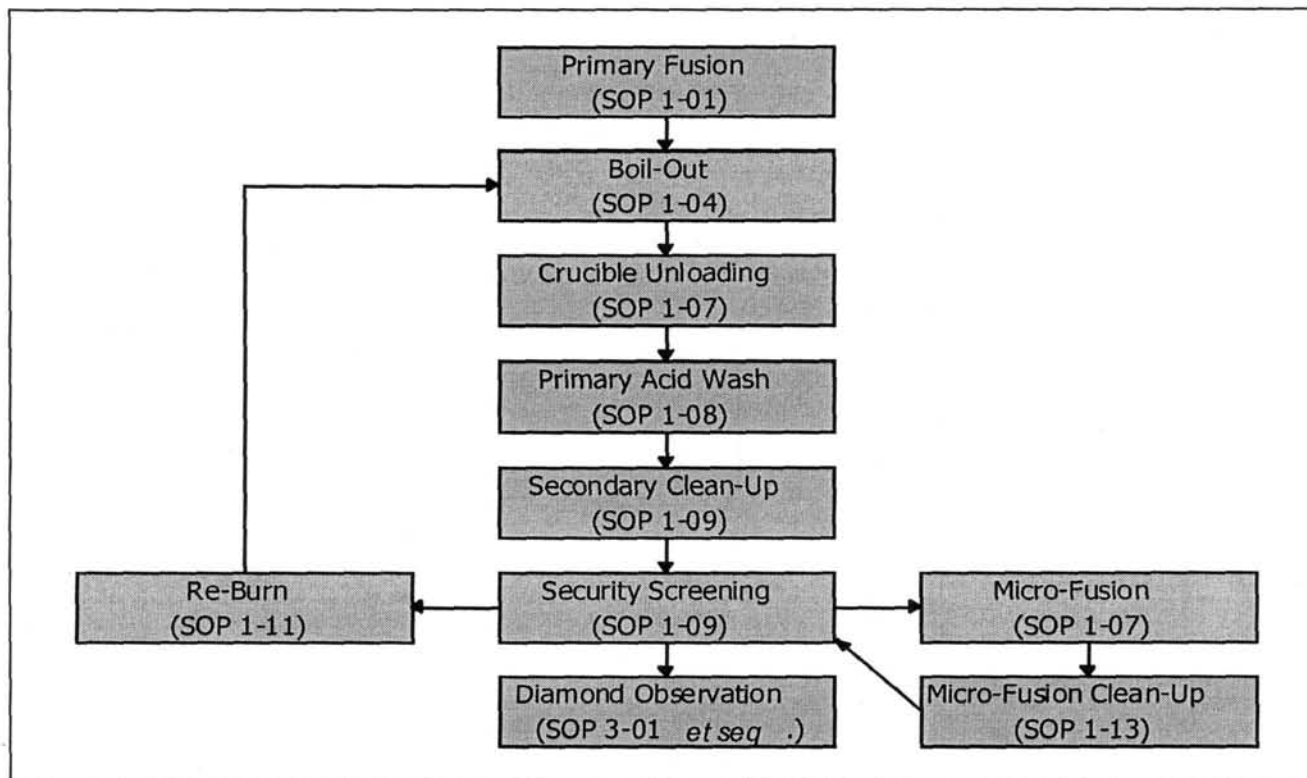
After samples are received, they are logged in and stored outdoors before processing. Processing commences with samples being placed into stainless steel pots with NaOH and heated for several hours in a process called Caustic Fusion. The sample material is then dissolved using KNO_3 and more heat. Depending on client requests, the slurry of sample and dissolved reagents is poured through a sieve of .075mm, .125mm or 0.15mm square aperture screen. Material retained on the screen is then neutralized with HCl. Further sieving, with a 1mm square aperture screen, results in the removal of any larger micro diamonds from the sample. These stones are placed in a drop safe for security reasons and described (following the flow sheet in Figure 2) as soon as possible.

The remaining sample material moves through subsequent cycles of Caustic Fusion, dissolution and neutralization until all potentially diamondiferous rock fragments are digested. The resulting resistate mineral concentrate is sent to the microscopy laboratory for observation.

This report refers to samples processed as-received.

(*) Denotes deviations from standard operating procedures.

FIG. 1: MICRO-DIAMOND FLOW SHEET



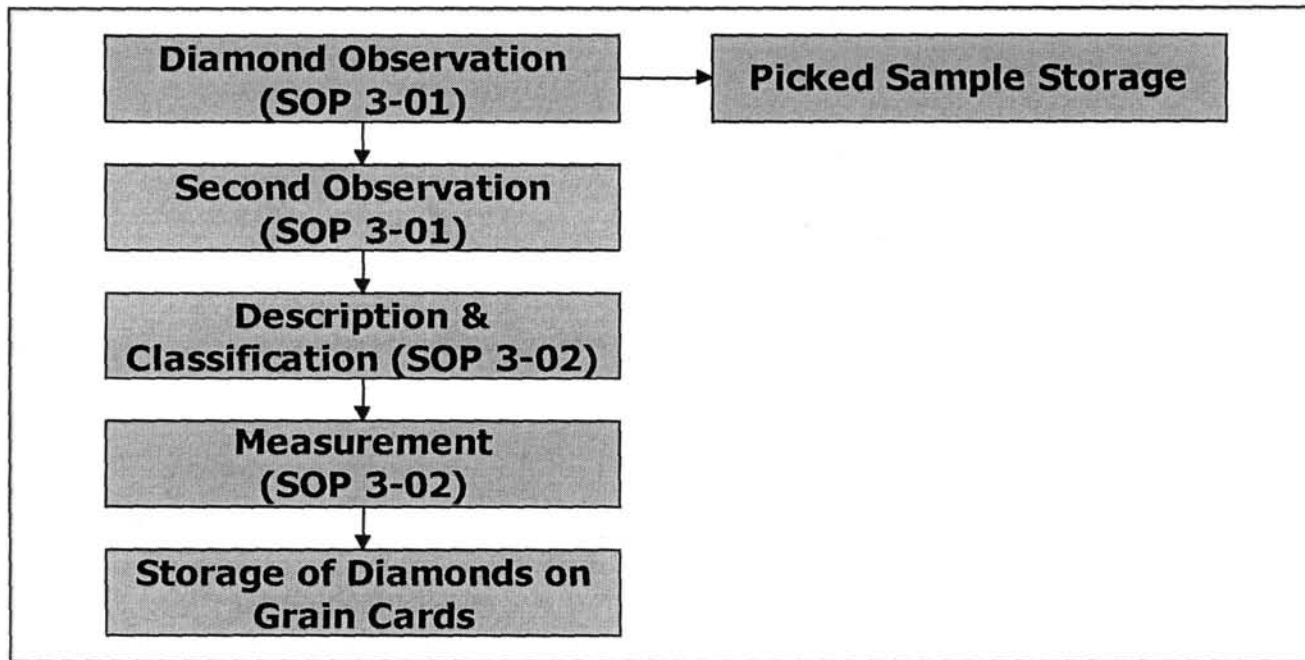
This report refers to samples processed as-received.

MICRO DIAMOND CONCENTRATE MICROSCOPE EXAMINATION

Observation of micro diamond concentrates was performed in Kennecott Canada Exploration Inc. Mineral Processing Laboratory in Thunder Bay (see Figure 2). Trained Mineral Technicians examined each grain using binocular microscopes equipped with fibre-optic lights. Mineral Technicians removed all suspected micro diamonds, recorded stone counts on an observation log sheet, and later transfer the data to the Laboratory Information Management System. Following observation, suspected micro diamonds are examined by a mineralogist who confirms the grain identifications. All stones are then described and classified.

(*) Denotes deviations from standard operating procedures.

FIG. 2: OBSERVATION & CLASSIFICATION FLOW SHEET.



This report refers to samples processed as-received.

MD Method 1 and 3 Quality Control Measures

Samples received are divided into sets or batches of one to twenty-five samples. One in fifteen samples within the batch are randomly selected for spiking with laser etched diamonds. At least one sample per batch is selected for spiking. A random number between 1 and 5 diamond spikes are added to each sample selected for spiking. Samples selected for spiking are spiked after the sample has been loaded into a crucible and placed in a kiln ready to begin processing. Once the sample has been reduced to an observable concentrate, it is submitted to the observation lab. Identified spikes are returned to the QA/QC specialist and recovery is calculated as a percentage. Lab recovery is calculated as a 12-month rolling average, with lower limit being 3 standard deviations below the average. If recovery of one or more samples falls below the lower limit, the batch is deemed non-conforming.

Data Verification

For every batch, once all mineral processing is complete, all relevant data is compiled and a final report or Certificate of Analysis is generated. At minimum, 10 percent of all reports are verified in their entirety and all other reports are spot-checked. Verification involves tracing data back to original handwritten test results recorded in process flow sheets, logs or tables. The reports are then signed by Team Leaders, Laboratory Manager and the QA/QC Specialist and issued to the client.

This report refers to samples processed as-received.



KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5660



CERTIFICATE OF ANALYSIS METHOD 1: MICRODIAMOND PROCESSING

Date Received: 15-Apr-04
Waybill: BilikenAPR15
Work Order #: 04MD013
Project: Billiken Submittal

Company: Billiken Management Services Inc
53 Yonge Street, Second Floor
Toronto, Ont M5E 1J3

Attention: Neil Novak
Telephone: (416) 815-8666
Facsimile: (416) 815-1355

Lab Billing Code: 113100-RE260

	Client Sample Reference	DATE STARTED	SAMPLE WT (kg.)	CONC. WT (gm)	PRIMARY FUSION	SECONDARY FUSION	MICRO FUSIONS	DATE COMPLETED
1	00001	20-Apr-04	8.27	2.9	1	0	1	29-Apr-04
2	00002	20-Apr-04	21.45	10.2	3	2	1	3-May-04
3	00003	20-Apr-04	21.65	12.1	3	1	1	4-May-04
4	00004	21-Apr-04	19.65	8.1	2	1	1	3-May-04
5	00005	21-Apr-04	22.00	9.3	3	1	1	3-May-04
6	00006	21-Apr-04	20.34	8.5	2	1	1	3-May-04
7	00007	21-Apr-04	20.80	7.3	2	1	1	7-May-04
8	00009	22-Apr-04	20.41	5.8	2	1	2	11-May-04
9	00010	22-Apr-04	20.71	9.4	2	1	1	10-May-04
10	00011	22-Apr-04	20.70	14.6	2	1	1	7-May-04
11	00012	26-Apr-04	19.67	11.1	2	1	1	11-May-04
12	00013	26-Apr-04	20.89	12.2	3	1	1	11-May-04
13	00014	26-Apr-04	20.10	8.6	2	1	1	11-May-04
14	00015	27-Apr-04	21.02	13.6	3	1	1	14-May-04
15	00016	27-Apr-04	19.42	7.2	2	1	1	13-May-04
16	00018	27-Apr-04	21.05	9	3	1	1	11-May-04
17	00019	30-Apr-04	21.58	8.8	3	1	1	13-May-04
18	00020	3-May-04	21.09	6.6	3	1	1	14-May-07
19	00021	3-May-04	20.84	7.3	2	1	1	14-May-04
20	00022	3-May-04	21.28	25.9	3	1	1	14-May-04
21	00023	4-May-04	20.97	8.4	3	2	0	17-May-04
22	00024	4-May-04	21.22	7.7	3	1	1	17-May-07
23	00025	4-May-04	10.09	1.7	1	1	1	17-May-04
			455.20	216.3	55	24	23	

Accredited to ISO/IEC 17025 for specific registered tests.

Dan Dysievic
MD Processing Team Leader

Jim Crawford
Laboratory Manager

Ian Hamilton
QA/QC Specialist

The quality of microdiamond extraction and selection from rock samples (Methods 1 and 3) is subject to monitoring through a rigorous internal quality assurance/quality control (QA/QC) scheme. Microdiamond recovery is calculated for one sample in every batch. One batch consists of up to ten samples, depending on individual sample weights. Therefore, at least 10% of samples are quality control samples.

Continual QA/QC monitoring involves comparison of microdiamond from each batch to statistically acceptable internal performance standards. Processing and selection at the laboratory extracts, on average, 99.67% (0.65% expanded uncertainty at the 95% confidence limit) of all contained microdiamonds.



KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5660



CERTIFICATE OF ANALYSIS METHOD 3: MICRODIAMOND OBSERVATION

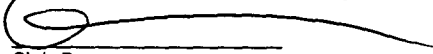
Date Received: 15-Apr-04
Waybill: BilikenAPR15
Work Order #: 04MD013
Project: Biliken Submittal

Company: Billiken Management Services Inc.
53 Yonge Street, Second Floor
Toronto, Ont M5E 1J3
Attention: Neil Novak
Telephone: (416) 815-8666
Facsimile: (416) 815-1355

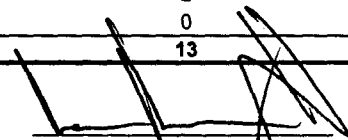
Lab Billing Code: 113100-RE260

	Client Sample Reference	+0.5 mm SIEVE DIAMOND COUNT	-0.5 mm SIEVE DIAMOND COUNT	TOTAL DIAMOND COUNT	SYNTHETICS	DATE
1	00001	0	1	1	0	30-Apr-04
2	00002	0	2	2	0	10-May-04
3	00003	0	4	4	0	7-May-04
4	00004	0	5	5	0	7-May-04
5	00005	0	6	6	0	7-May-04
6	00006	0	6	6	0	7-May-04
7	00007	0	2	2	0	10-May-04
8	00009	0	11	11	0	18-May-04
9	00010	0	10	10	0	13-May-04
10	00011	0	5	5	0	10-May-04
11	00012	0	2	2	0	19-May-04
12	00013	0	7	7	0	19-May-04
13	00014	0	3	3	2	20-May-04
14	00015	0	15	15	2	19-May-04
15	00016	0	3	3	1	19-May-04
16	00018	1	4	5	0	20-May-04
17	00019	0	5	5	3	20-May-04
18	00020	0	1	1	1	20-May-04
19	00021	0	4	4	1	20-May-04
20	00022	0	10	10	1	20-May-04
21	00023	1	6	7	0	21-May-04
22	00024	0	5	5	2	20-May-04
23	00025	0	2	2	0	20-May-04
		2	119	121	13	

Accredited to ISO/IEC 17025 for specific registered tests.


Chris Berner
Observation Team Leader


Jim Crawford
Laboratory Manager


Ian Hamilton
QA/QC Specialist

The quality of microdiamond extraction and selection from rock samples (Methods 1 and 3) is subject to monitoring through a rigorous internal quality assurance/quality control (QA/QC) scheme. Microdiamond recovery is calculated for one sample in every batch. One batch consists of up to ten samples, depending on individual sample weights. Therefore, at least 10% of samples are quality control samples.

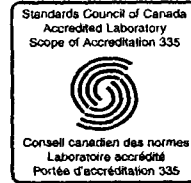
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KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5880



CERTIFICATE OF ANALYSIS METHOD 3: MICRODIAMOND CLASSIFICATION

Date Received: 15-Apr-04
Waybill: BilikenAPR15
Work Order #: 04MD013
Project: Biliken Submittal

Company: Biliken Management Services Inc.
53 Yonge Street, Second Floor
Toronto, Ont M5E 1J3
Attention: Neil Novak
Telephone: (416) 815-8666
Facsimile: (416) 815-1355

Lab Billing Code: 113100-RE260

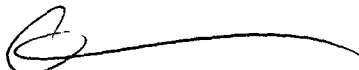
Client Sample Reference	STONE	SIEVE SIZE (mm)	STOCK EX SIEVE (mm)	X mm	Y mm	Z mm	WEIGHT IN OCTACARATS	FRAGMENT/INT ACT	MORPHOLOGY	COLOUR	CLARITY	COLOUR INTENSITY	INCLUSIONS/ CLEAVAGES	RESORPTION	SURFACE FEATURES	COMMENTS	DATE
00001	1	0.150	<0.500	0.30	0.28	0.16	21964.8	Fragment	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	1	5			20-May-04
00002	1	0.150	<0.500	0.23	0.21	0.21	17851.68	Intact	OCTAHEDROID	Grey	Transparent	1	0	3-4			20-May-04
00002	2	0.150	<0.500	0.23	0.22	0.2	17811.2	Intact	CUBE	Brown	Transparent	3	1	4	QUADRONS		20-May-04
00003	1	0.212	<0.500	0.34	0.28	0.28	43563.52	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	2	4			20-May-04
00003	2	0.150	<0.500	0.24	0.22	0.16	14868.48	Intact	OCTAHEDROID	White	Transparent	0	0	5-6	STEPPED		20-May-04
00003	3	0.150	<0.500	0.22	0.18	0.18	12545.28	Intact	MACLE	White	Transparent	0	1	4			20-May-04
00003	4	0.150	<0.500	0.32	0.27	0.19	28892.16	Intact	OCTAHEDROID	White	Transparent	0	2	5			20-May-04
00004	1	0.300	<0.500	0.80	0.46	0.37	179731.2	Intact	OCTAHEDROID	Brown	Transparent	1	0	5			20-May-04
00004	2	0.212	<0.500	0.35	0.33	0.3	80984	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	3	3	4	STEPPED		20-May-04
00004	3	0.150	<0.500	0.28	0.25	0.21	24024	Intact	MACLE	Grey	Transparent	1	1	5			20-May-04
00004	4	0.150	<0.500	0.16	0.16	0.17	10801.12	Intact	CUBE	Grey	Transparent	1	1	4			20-May-04
00004	5	0.150	<0.500	0.31	0.23	0.21	26352.48	Intact	MACLE	White	Transparent	0	1	4-5			20-May-04
00005	1	0.212	<0.500	0.32	0.3	0.2	33762	Intact	MACLE	Grey	Transparent	1	1	6	STEPPED		20-May-04
00005	2	0.150	<0.500	0.30	0.24	0.22	27878.4	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	2	4			20-May-04
00005	3	0.150	<0.500	0.31	0.26	0.18	25534.08	Intact	TETRAHEDRAL AGGREGATE	Grey	Transparent	2	3	3			20-May-04
00005	4	0.150	<0.500	0.28	0.18	0.17	15079.68	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES	White	Transparent	0	1	5			20-May-04
00005	5	0.150	<0.500	0.28	0.22	0.15	15100.8	Intact	MACLE	White	Transparent	0	0	5			20-May-04
00005	6	0.150	<0.500	0.24	0.19	0.15	12038.4	Intact	MACLE	Grey	Transparent	1	1	5	STEPPED		20-May-04
00006	1	0.300	<0.500	0.46	0.4	0.35	113344	Intact	OCTAHEDROID	Brown	Transparent	2	1	4			20-May-04
00006	2	0.212	<0.500	0.33	0.28	0.28	42282.24	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	3	5-6	STEPPED		20-May-04
00006	3	0.150	<0.500	0.40	0.28	0.17	33510.4	Fragment	IRREGULAR	White	Transparent	0	1	-			20-May-04
00006	4	0.150	<0.500	0.21	0.2	0.18	13305.6	Intact	MACLE	White	Transparent	0	0	5			20-May-04
00006	5	0.150	<0.500	0.27	0.25	0.17	20196	Fragment	IRREGULAR	White	Transparent	0	0	-			20-May-04
00006	6	0.150	<0.500	0.28	0.24	0.1	11827.2	Intact	MACLE	Grey	Transparent	1	0	8			20-May-04
00007	1	0.150	<0.500	0.28	0.24	0.2	21964.8	Intact	OCTAHEDROID	Grey	Transparent	1	1	4	STEPPED		20-May-04
00007	2	0.150	<0.500	0.20	0.2	0.17	11868	Intact	CUBE	White	Transparent	0	1	4	QUADRONS		20-May-04
00009	1	0.212	<0.500	0.38	0.28	0.23	43070.72	Intact	OCTAHEDRAL AGGREGATE	White	Transparent	0	0	4-5			19-May-04
00009	2	0.212	<0.500	0.38	0.37	0.28	69287.68	Fragment	OCTAHEDROID	Grey	Transparent	1	1	6	STEPPED, CAVITY		19-May-04
00009	3	0.212	<0.500	0.34	0.3	0.22	39494.4	Intact	OCTAHEDROID	Grey	Transparent	1	0	5	STEPPED		19-May-04
00009	4	0.212	<0.500	0.38	0.3	0.19	36115.2	Intact	CUBE	Brown	Transparent	2	1	4	QUADRONS		19-May-04
00009	5	0.212	<0.500	0.32	0.29	0.15	24489.2	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	1	1	4			19-May-04
00009	6	0.150	<0.500	0.36	0.27	0.16	27371.52	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	3	1	5	STEPPED, FROST		19-May-04
00009	7	0.150	<0.500	0.22	0.2	0.15	11816	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	3	1	4	STEPPED		19-May-04
00009	8	0.150	<0.500	0.28	0.19	0.18	16853.76	Intact	TWIN OCTAHEDROID	Grey	Transparent	1	0	4			19-May-04
00009	9	0.150	<0.500	0.27	0.2	0.19	18057.6	Intact	MACLE	Grey	Transparent	1	1	4			19-May-04
00009	10	0.150	<0.500	0.30	0.24	0.14	17740.8	Fragment	OCTAHEDRAL AGGREGATE	Grey	Transparent	1	1	5	STEPPED		19-May-04
00009	11	0.150	<0.500	0.28	0.21	0.18	18627.84	Intact	TWIN OCTAHEDROID	Grey	Transparent	1	0	5			19-May-04
00010	1	0.212	<0.500	0.45	0.35	0.23	63756	Intact	OCTAHEDROID	Grey	Transparent	1	1	5	STEPPED		20-May-04
00010	2	0.212	<0.500	0.45	0.37	0.22	64468.8	Fragment	IRREGULAR	Grey	Transparent	3	3	-			20-May-04
00010	3	0.212	<0.500	0.40	0.3	0.25	52800	Intact	OCTAHEDROID	Grey	Transparent	2	1	5	STEPPED		20-May-04
00010	4	0.212	<0.500	0.38	0.29	0.22	40423.68	Intact	MACLE	White	Transparent	0	0	5	STEPPED		20-May-04
00010	5	0.212	<0.500	0.51	0.43	0.21	81053.28	Fragment	IRREGULAR	Grey	Transparent	2	1	-			20-May-04
00010	6	0.150	<0.500	0.33	0.22	0.19	24277.44	Intact	OCTAHEDROID	Grey	Transparent	2	4	5			20-May-04
00010	7	0.150	<0.500	0.30	0.23	0.2	24288	Intact	OCTAHEDROID	Grey	Transparent	1	1	4-5			20-May-04
00010	8	0.150	<0.500	0.28	0.2	0.21	19219.2	Intact	OCTAHEDROID	Grey	Transparent	1	1	5	STEPPED		20-May-04
00010	9	0.150	<0.500	0.32	0.22	0.24	28736.88	Intact	MACLE	White	Transparent	0	1	5	STEPPED		20-May-04
00010	10	0.150	<0.500	0.22	0.18	0.19	13977.92	Intact	MACLE	White	Transparent	0	1	5	STEPPED		20-May-04
00011	1	0.300	<0.500	0.43	0.38	0.37	108408.08	Intact	OCTAHEDROID	Brown	Transparent	2	0	5			20-May-04
00011	2	0.212	<0.500	0.47	0.31	0.24	61543.68	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	1	4			20-May-04
00011	3	0.212	<0.500	0.40	0.31	0.23	50185.2	Intact	OCTAHEDROID	Grey	Transparent	1	1	4-5			20-May-04
00011	4	0.150	<0.500	0.27	0.26	0.19	23474.88	Intact	OCTAHEDRAL AGGREGATE	White	Transparent	0	0	6			20-May-04
00011	5	0.150	<0.500	0.35	0.21	0.24	31046.4	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES	Brown	Transparent	3	1	5			20-May-04
00012	1	0.212	<0.500	0.43	0.3	0.17	38596.8	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES	Brown	Transparent	1	1	5			19-May-04

Client Sample Reference	STONE	SIEVE SIZE (mm)	STOCK EX SIEVE (mm)	X mm	Y mm	Z mm	WEIGHT IN OCTACARATS	FRAGMENT/INT ACT	MORPHOLOGY	COLOUR	CLARITY	COLOUR INTENSITY	INCLUSIONS/CLEAVAGES	RESORPTION	SURFACE FEATURES	COMMENTS	DATE
00012	2	0.150	<0.500	0.26	0.23	0.16	18944.64	Intact	OCTAHEDROID	White	Transparent	0	1	5-6	STEPPED		19-May-04
00013	1	0.425	<0.500	0.76	0.55	0.83	483478.4	Intact	OCTAHEDROID	Grey	Transparent	3	1	5	STEPPED		19-May-04
00013	2	0.150	<0.500	0.23	0.2	0.14	11334.4	Intact	OCTAHEDROID	Grey	Transparent	2	0	4			19-May-04
00013	3	0.150	<0.500	0.65	0.24	0.12	32947.2	Fragment	IRREGULAR	Brown	Transparent	1	0	-			19-May-04
00013	4	0.150	<0.500	0.23	0.23	0.21	19551.84	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	2	4			19-May-04
00013	5	0.150	<0.500	0.24	0.22	0.22	20444.16	Intact	OCTAHEDROID	Grey	Transparent	1	0	5	STEPPED		19-May-04
00013	6	0.150	<0.500	0.27	0.16	0.16	12185.12	Fragment	IRREGULAR	Grey	Transparent	2	3	-			19-May-04
00013	7	0.150	<0.500	0.21	0.19	0.15	10533.6	Intact	MACLE	Grey	Transparent	1	1	6	STEPPED		19-May-04
00014	1	0.212	<0.500	0.34	0.26	0.32	49786.88	Intact	OCTAHEDRAL AGGREGATE	Brown	Transparent	2	0	4			19-May-04
00014	2	0.150	<0.500	0.21	0.18	0.17	11309.76	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES	Grey	Transparent	1	1	4-5			19-May-04
00014	3	0.150	<0.500	0.27	0.22	0.19	19863.36	Intact	OCTAHEDROID	Brown	Transparent	1	0	5			19-May-04
00015	1	0.212	<0.500	0.29	0.28	0.21	30011.52	Intact	MACLE	Grey	Transparent	3	1	5	STEPPED		19-May-04
00015	2	0.212	<0.500	0.36	0.32	0.3	84204.6	Fragment	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	1	5	STEPPED		19-May-04
00015	3	0.212	<0.500	0.51	0.35	0.3	84248	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	2	5	STEPPED		19-May-04
00015	4	0.212	<0.500	0.41	0.28	0.32	60037.12	Fragment	OCTAHEDROID	Grey	Transparent	2	3	5	STEPPED		19-May-04
00015	5	0.150	<0.500	0.20	0.2	0.15	10560	Intact	MACLE	Grey	Transparent	1	1	5			19-May-04
00015	6	0.150	<0.500	0.22	0.21	0.14	11393.68	Fragment	IRREGULAR	Grey	Transparent	2	3	-			19-May-04
00015	7	0.150	<0.500	0.32	0.17	0.18	17233.92	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	1	2	5	STEPPED		19-May-04
00015	8	0.150	<0.500	0.27	0.23	0.21	22852.16	Intact	OCTAHEDROID	Grey	Transparent	1	0	4			19-May-04
00015	9	0.150	<0.500	0.26	0.18	0.17	14002.56	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	1	0	5	STEPPED		19-May-04
00015	10	0.150	<0.500	0.29	0.23	0.22	25826.24	Intact	OCTAHEDROID	Grey	Transparent	1	2	5	STEPPED		19-May-04
00015	11	0.150	<0.500	0.23	0.21	0.17	14451.36	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	1	5	STEPPED		19-May-04
00015	12	0.150	<0.500	0.25	0.22	0.17	16456	Intact	MACLE	Grey	Transparent	2	1	5	STEPPED		19-May-04
00015	13	0.150	<0.500	0.20	0.2	0.15	10560	Fragment	OCTAHEDROID	Grey	Transparent	1	0	5	STEPPED		19-May-04
00015	14	0.150	<0.500	0.27	0.2	0.19	18057.6	Intact	MACLE	Grey	Transparent	3	1	4-5	STEPPED		19-May-04
00015	15	0.150	<0.500	0.25	0.19	0.18	15048	Intact	MACLE	Grey	Transparent	3	1	5	STEPPED		19-May-04
00016	1	0.212	<0.500	0.41	0.39	0.23	84727.52	Intact	MACLE	Grey	Transparent	1	1	4			19-May-04
00016	2	0.212	<0.500	0.43	0.32	0.22	53278.72	Intact	MACLE	White	Transparent	0	2	6	STEPPED		19-May-04
00016	3	0.150	<0.500	0.26	0.19	0.18	15849.92	Intact	OCTAHEDROID	White	Transparent	0	0	5-6	STEPPED		19-May-04
00018	1	0.800	0.500	1.45	0.96	0.77	1888438.4	Fragment	IRREGULAR	Green/Brown	Transparent	3	3	-			20-May-04
00018	2	0.212	<0.500	0.43	0.3	0.27	61300.8	Intact	OCTAHEDROID	Grey	Transparent	2	3	5			20-May-04
00018	3	0.212	<0.500	0.31	0.28	0.2	30553.6	Intact	MACLE	White	Transparent	0	0	5			20-May-04
00018	4	0.150	<0.500	0.19	0.17	0.16	9095.68	Intact	CUBE	Grey	Transparent	2	1	4	QUADRONS		20-May-04
00018	5	0.150	<0.500	0.28	0.19	0.16	14981.12	Intact	OCTAHEDRAL AGGREGATE	White	Transparent	0	1	5			20-May-04
00019	1	0.300	<0.500	0.98	0.46	0.2	155443.2	Fragment	IRREGULAR	White	Transparent	0	0	-			20-May-04
00019	2	0.212	<0.500	0.32	0.2	0.26	29266.4	Intact	OCTAHEDROID	Brown	Transparent	2	1	5	STEPPED		20-May-04
00019	3	0.212	<0.500	0.32	0.29	0.26	45731.84	Intact	IRREGULAR WITH TETRAHEXAHEDRAL FEATURES	Grey	Transparent	2	3	2	QUADRONS		20-May-04
00019	4	0.212	<0.500	0.27	0.24	0.21	23950.08	Fragment	OCTAHEDRAL AGGREGATE	Brown	Transparent	3	3	5	STEPPED		20-May-04
00019	5	0.212	<0.500	0.38	0.33	0.3	66211.2	Intact	OCTAHEDROID	White	Transparent	0	1	5	STEPPED		20-May-04
00020	1	0.212	<0.500	0.38	0.21	0.28	38518.48	Intact	MACLE	White	Transparent	0	1	5	STEPPED		20-May-04
00021	1	0.150	<0.500	0.22	0.19	0.19	13977.92	Intact	OCTAHEDROID	Grey	Transparent	1	1	5	STEPPED		20-May-04
00021	2	0.150	<0.500	0.32	0.21	0.16	18623.52	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	1	1	4-5	STEPPED		20-May-04
00021	3	0.150	<0.500	0.25	0.24	0.2	21120	Intact	OCTAHEDRAL AGGREGATE	White	Transparent	0	1	5			20-May-04
00021	4	0.150	<0.500	0.32	0.23	0.17	22021.12	Fragment	IRREGULAR	Grey	Transparent	1	1	-			20-May-04
00022	1	0.300	<0.500	0.42	0.38	0.22	58544.64	Fragment	IRREGULAR	Brown	Transparent	3	2	-			20-May-04
00022	2	0.300	<0.500	0.47	0.4	0.27	89337.6	Intact	OCTAHEDROID	Grey	Transparent	1	2	5	STEPPED		20-May-04
00022	3	0.300	<0.500	0.44	0.34	0.23	60558.08	Fragment	IRREGULAR	Brown	Transparent	3	2	-			20-May-04
00022	4	0.300	<0.500	0.46	0.38	0.34	104600.32	Intact	OCTAHEDRAL AGGREGATE	Brown	Transparent	2	1	4-5			20-May-04
00022	5	0.150	<0.500	0.49	0.22	0.15	28459.2	Fragment	IRREGULAR	Brown	Transparent	2	2	-			20-May-04
00022	6	0.212	<0.500	0.30	0.28	0.24	35481.6	Intact	MACLE	White	Transparent	0	2	5			20-May-04
00022	7	0.212	<0.500	0.31	0.3	0.19	31099.2	Fragment	IRREGULAR	Grey	Transparent	1	1	-			20-May-04
00022	8	0.212	<0.500	0.36	0.27	0.23	39346.56	Intact	MACLE	Grey	Transparent	1	3	4			20-May-04
00022	9	0.150	<0.500	0.28	0.21	0.18	18627.84	Intact	OCTAHEDROID	Grey	Transparent	1	1	5	STEPPED		20-May-04
00022	10	0.150	<0.500	0.30	0.21	0.14	15523.2	Fragment	IRREGULAR	Grey	Transparent	1	2	-			20-May-04
00023	1	0.425	0.500	0.81	0.81	0.6	392837.6	Fragment	OCTAHEDROID	Grey	Transparent	2	2	4	STEPPED		20-May-04
00023	2	0.212	<0.500	0.28	0.26	0.24	30750.72	Intact	CUBE	Brown	Transparent	2	1	4-5			20-May-04
00023	3	0.150	<0.500	0.26	0.18	0.19	15649.82	Fragment	OCTAHEDROID	Grey	Transparent	1	1	5	STEPPED		20-May-04
00023	4	0.150	<0.500	0.22	0.2	0.2	15488	Intact	OCTAHEDRAL AGGREGATE	White	Transparent	0	1	4-5	STEPPED		20-May-04
00023	5	0.150	<0.500	0.18	0.18	0.17	9994.08	Intact	CUBE	Grey	Transparent	3	1	4	QUADRONS		20-May-04
00023	6	0.150	<0.500	0.24	0.21	0.15	13305.6	Intact	MACLE	Grey	Transparent	1	0	4			20-May-04
00023	7	0.150	<0.500	0.24	0.16	0.18	12840.96	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	2	4	STEPPED		20-May-04
00024	1	0.212	<0.500	0.53	0.37	0.25	86284	Intact	OCTAHEDROID	Grey	Transparent	1	2	5-6	STEPPED		20-May-04


Client Sample Reference	STONE	SI EVE SIZE (mm)	STOCK EX. SIEVE (mm)	X mm	Y mm	Z mm	WEIGHT IN OCTACARATS	FRAGMENT/INT. ACT	MORPHOLOGY	COLOUR	CLARITY	COLOUR INTENSITY	INCLUSIONS/CLEAVAGES	RESCRIPTION	SURFACE FEATURES	COMMENTS	DATE
00024	2	0.212	<0.500	0.54	0.28	0.24	63866.88	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	3	4			20-May-04
00024	3	0.212	<0.500	0.48	0.37	0.25	78144	Fragment	IRREGULAR WITH OCTAHEDRAL FEATURES	Brown	Transparent	3	1	5			20-May-04
00024	4	0.150	<0.500	0.29	0.22	0.18	20211.84	Intact	CUBOID	Grey	Transparent	1	2	3-4	CAVITY		20-May-04
00024	5	0.150	<0.500	0.23	0.2	0.21	17001.6	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	1	1	4-5			20-May-04
00025	1	0.212	<0.500	0.31	0.25	0.28	35464	Intact	MACLE	Grey	Transparent	1	1	5	STEPPED		20-May-04
00025	2	0.150	<0.500	0.27	0.2	0.24	22609.6	Intact	CUBE	Grey	Transparent	1	1	4			20-May-04

Accredited to ISO/IEC 17026 for specific registered tests.

Weight in carats was calculated using the following formula: $X(\text{mm}) \times Y(\text{mm}) \times Z(\text{mm}) \times \text{Specific Gravity of } 3.52 / 200 \text{ mg}$
 Intensity of Colour - scale of 0 - 5 with 5 being the most intense
 Cleavages and Inclusions - scale of 0 - 5 with 5 having the most cleavages and inclusions
 Resorption - scale of 1 - 6 with 1 having most resorption



Chris Berner
Observation Team Leader



Jim Crawford
Laboratory Manager



Ian Hamilton
QA/QC Specialist

The quality of microdiamond extraction and selection from rock samples (Methods 1 and 3) is subject to monitoring through a rigorous internal quality assurance/quality control (QA/QC) scheme. Microdiamond recovery is calculated for one sample in every batch. One batch consists of up to ten samples, depending on individual sample weights. Therefore, at least 10% of samples are quality control samples.

Continual QA/QC monitoring involves comparison of microdiamond from each batch to statistically acceptable internal performance standards. Processing and selection at the laboratory extracts, on average, 95.67% (0.65% expanded uncertainty at the 95% confidence limit) of all contained microdiamonds.



<h1>CLIENT COMMENT FORM</h1>	Year: _____ Number: _____
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Comment by (Name, Title):	Organization:
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Tel:	Email:	Date:
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SUMMARY OF COMMENT

Follow-up Required? Yes <input type="checkbox"/> No <input type="checkbox"/>

Received by:	Responsible Manager:
--------------	----------------------

Date:	FOLLOW-UP

Approved: Yes <input type="checkbox"/> No <input type="checkbox"/>	Client Notification: Yes <input type="checkbox"/> No <input type="checkbox"/>
---	--

Approval (Date, Sqn):

CLIENT COMPLAINT FORM	Year: _____ Number: _____
------------------------------	------------------------------

Complaint by (Name, Title):	Organization:
-----------------------------	---------------

Tel:	Email:	Date:
------	--------	-------

Received by:	Responsible Manager:
Operation:	Operating Procedure Reference:

SUMMARY OF COMPLAINT

<input type="checkbox"/> NON-CONFORMITY	<input type="checkbox"/> MAJOR	<input type="checkbox"/> MINOR
---	--------------------------------	--------------------------------

Date:	CORRECTIVE ACTION

Date:	POST ASSESSMENT

Client Notification: Yes <input type="checkbox"/> No <input type="checkbox"/>	Date:
---	-------

Approval (Date, Sgn):



KENNECOTT CANADA EXPLORATION INC.

**MICRODIAMOND ANALYSIS
TEST REPORT**

04MD016

Billiken Submittal

Prepared for:
Billiken Management Services Inc.
53 Yonge Street, Second Floor
Toronto, Ont M5E 1J3

Jim Crawford
Laboratory Manager
June 9, 2004



Accredited to ISO/IEC 17025 for specific registered tests.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4
Telephone (807) 473-5558 Facsimile (807) 473-5660

This report refers to samples processed as-received.
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Mineral Processing Laboratory



KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5660



METHOD DESCRIPTION

Accredited to ISO/IEC 17025 for specific registered tests.

13 samples were submitted for caustic fusion processing and microdiamond recovery. The as-received samples were processed according to registered methods and standard operating procedures. The results are summarized in the Certificates of Analysis. Standard operating procedures are listed below, sample abnormalities and possible damage caused during shipping are noted on the Certificate.

MICRO DIAMOND SAMPLE PROCESSING

Sample processing at Kennecott Canada Exploration Inc. Mineral Processing Laboratory in Thunder Bay, ON consists of wet chemical processes including fusion with NaOH, dissolving in KNO_3 , neutralization with HCl, sieving and classifying (see Figure 1 for a summary flow sheet). This procedure reduces the sample size from 10 kilograms to a concentrate of approximately 15 grams.

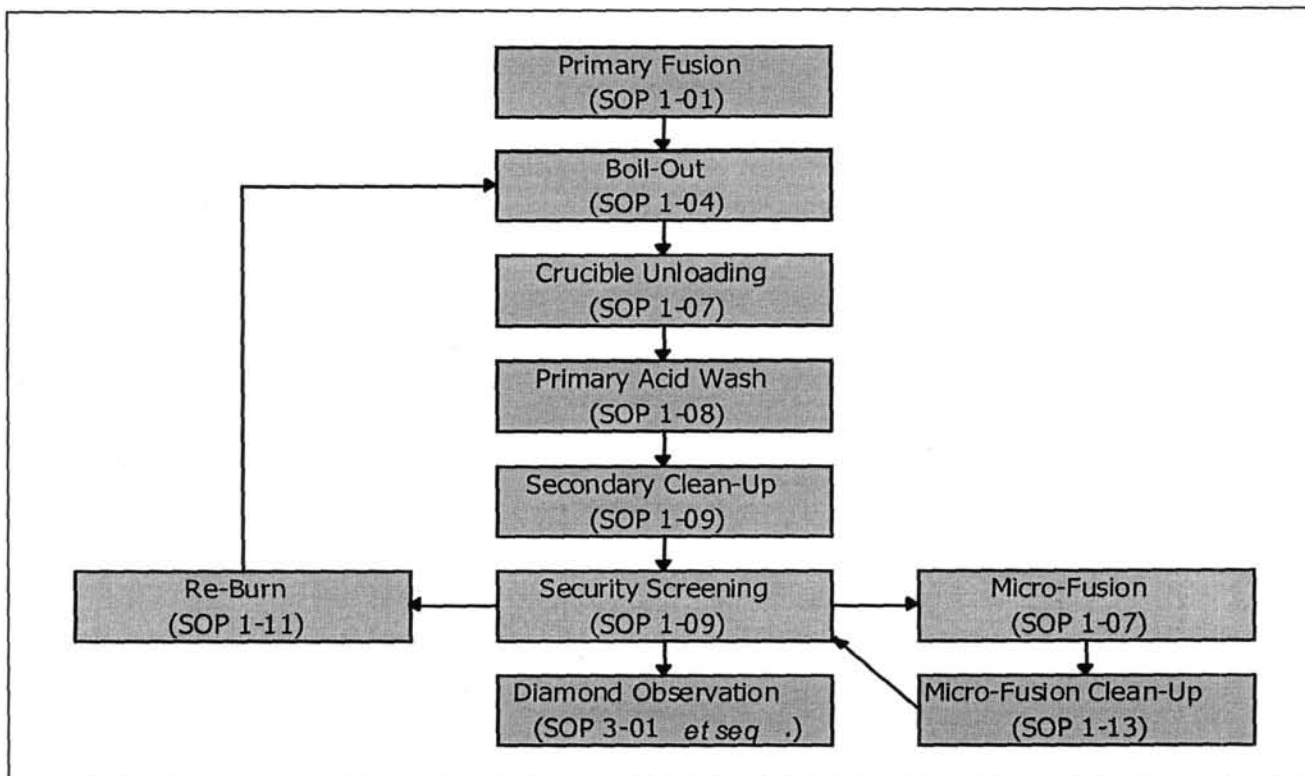
After samples are received, they are logged in and stored outdoors before processing. Processing commences with samples being placed into stainless steel pots with NaOH and heated for several hours in a process called Caustic Fusion. The sample material is then dissolved using KNO_3 and more heat. Depending on client requests, the slurry of sample and dissolved reagents is poured through a sieve of .075mm, .125mm or 0.15mm square aperture screen. Material retained on the screen is neutralized with HCl. Further sieving, with a 1mm square aperture screen, results in the removal of any larger micro diamonds from the sample. These stones are placed in a drop safe for security reasons and described (following the flow sheet in Figure 2) as soon as possible.

The remaining sample material moves through subsequent cycles of Caustic Fusion, dissolution and neutralization until all potentially diamondiferous rock fragments are digested. The resulting resistate mineral concentrate is sent to the microscopy laboratory for observation.

This report refers to samples processed as-received.

(*) Denotes deviations from standard operating procedures.

FIG. 1: MICRO-DIAMOND FLOW SHEET



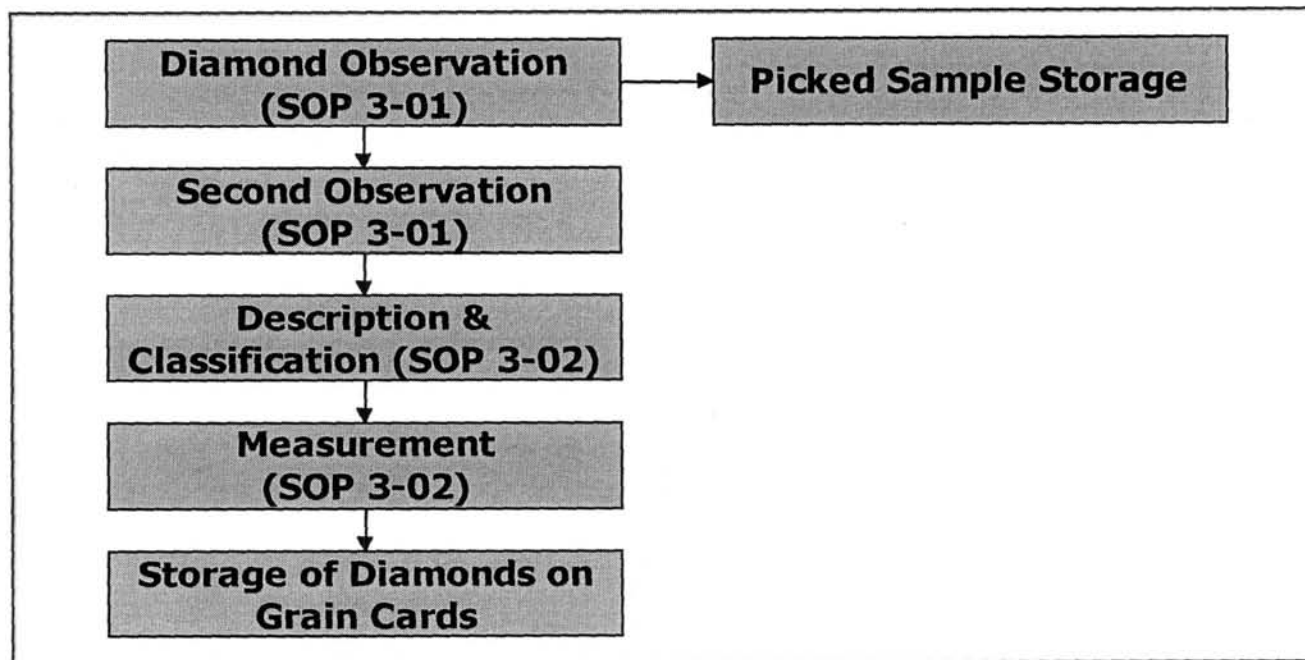
This report refers to samples processed as-received.

MICRO DIAMOND CONCENTRATE MICROSCOPE EXAMINATION

Observation of micro diamond concentrates was performed in Kennecott Canada Exploration Inc. Mineral Processing Laboratory in Thunder Bay (see Figure 2). Trained Mineral Technicians examined each grain using binocular microscopes equipped with fibre-optic lights. Mineral Technicians removed all suspected micro diamonds, recorded stone counts on an observation log sheet, and later transfer the data to the Laboratory Information Management System. Following observation, suspected micro diamonds are examined by a mineralogist who confirms the grain identifications. All stones are then described and classified.

(*) Denotes deviations from standard operating procedures.

FIG. 2: OBSERVATION & CLASSIFICATION FLOW SHEET.



This report refers to samples processed as-received.

MD Method 1 and 3 Quality Control Measures

Samples received are divided into sets or batches of one to twenty-five samples. One in fifteen samples within the batch are randomly selected for spiking with laser etched diamonds. At least one sample per batch is selected for spiking. A random number between 1 and 5 diamond spikes are added to each sample selected for spiking. Samples selected for spiking are spiked after the sample has been loaded into a crucible and placed in a kiln ready to begin processing. Once the sample has been reduced to an observable concentrate, it is submitted to the observation lab. Identified spikes are returned to the QA/QC specialist and recovery is calculated as a percentage. Lab recovery is calculated as a 12-month rolling average, with lower limit being 3 standard deviations below the average. If recovery of one or more samples falls below the lower limit, the batch is deemed non-conforming.

Data Verification

For every batch, once all mineral processing is complete, all relevant data is compiled and a final report or Certificate of Analysis is generated. At minimum, 10 percent of all reports are verified in their entirety and all other reports are spot-checked. Verification involves tracing data back to original handwritten test results recorded in process flow sheets, logs or tables. The reports are then signed by Team Leaders, Laboratory Manager and the QA/QC Specialist and issued to the client.

This report refers to samples processed as-received.



KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5660



CERTIFICATE OF ANALYSIS METHOD 1: MICRODIAMOND PROCESSING

Date Received: **06-May-04**
Waybill: **BillikenMay6**
Work Order #: **04MD016**
Project: **Billiken Submittal**

Company: **Billiken Management Services Inc.**
53 Yonge Street, Second Floor
Toronto, Ont M5E 1J3

Attention: **Neil Novak**
Telephone: **(416) 815-8666**
Facsimile: **(416) 815-1355**

Lab Billing Code: **113100-RE260**

	Client Sample Reference	DATE STARTED	SAMPLE WT (kg.)	CONC. WT (gm)	PRIMARY FUSION	SECONDARY FUSION	MICRO FUSIONS	DATE COMPLETED
1	00026	10-May-04	4.86	1.3	1	0	1	20-May-04
2	00027	10-May-04	15.05	2.7	2	0	2	26-May-04
3	00028	10-May-04	13.36	2.2	2	0	2	25-May-04
4	00029	11-May-04	12.97	2.3	2	0	2	26-May-04
5	00030	11-May-04	13.17	1.9	2	0	2	26-May-04
6	00031	11-May-04	11.50	0.8	1	0	1	25-May-04
7	00032	11-May-04	2.07	10.3	1	0	0	17-May-04
8	00033	11-May-04	7.91	1.6	1	1	0	26-May-04
9	00034	11-May-04	19.11	0.3	2	0	2	26-May-04
10	00035	12-May-04	11.15	4.8	1	1	0	26-May-04
11	00036	12-May-04	14.46	2.2	2	1	0	26-May-04
12	00037	12-May-04	13.27	1.2	2	1	0	26-May-04
13	00038	12-May-04	12.31	4.8	2	1	1	26-May-04
			151.19	36.4	21	5	13	

Accredited to ISO/IEC 17025 for specific registered tests.

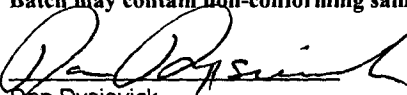
The liquid portion of another sample was poured through used, but cleaned, screen assembly of 00028.

No part of sample 00028 was contaminated by the screen mix-up.

Minor loss may have occurred due to any grains trapped in the screen.

All of the spikes were recovered from this batch.

Batch may contain non-conforming samples.


Dan Dysievick
MD Processing Team Leader


Jim Crawford
Laboratory Manager


Ian Hamilton
QA/QC Specialist

The quality of microdiamond extraction and selection from rock samples (Methods 1 and 3) is subject to monitoring through a rigorous internal quality assurance/quality control (QA/QC) scheme. Microdiamond recovery is calculated for one sample in every batch. One batch consists of up to ten samples, depending on individual sample weights. Therefore, at least 10% of samples are quality control samples.

Continual QA/QC monitoring involves comparison of microdiamond from each batch to statistically acceptable internal performance standards. Processing and selection at the laboratory extracts, on average, 99.67% (0.65% expanded uncertainty at the 95% confidence limit) of all contained microdiamonds.



KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5660



CERTIFICATE OF ANALYSIS

METHOD 3: MICRODIAMOND OBSERVATION

Date Received: 06-May-04

Waybill: BillikenMay6

Work Order #: 04MD016

Project: Billiken Submittal

Company: Billiken Management Services Inc.

53 Yonge Street, Second Floor

Toronto, Ont M5E 1J3

Attention: Neil Novak

Telephone: (416) 815-8666

Facsimile: (416) 815-1355

Lab Billing Code: 113100-RE260

	Client Sample Reference	+0.5 mm SIEVE DIAMOND COUNT	-0.5 mm SIEVE DIAMOND COUNT	TOTAL DIAMOND COUNT	SYNTHETICS	DATE
1	00026	0	3	3	0	27-May-04
2	00027	0	0	0	0	30-May-04
3	00028	0	2	2	0	28-May-04
4	00029	0	6	6	0	31-May-04
5	00030	0	3	3	1	28-May-04
6	00031	0	1	1	0	28-May-04
7	00032	0	0	0	0	28-May-04
8	00033	0	0	0	0	28-May-04
9	00034	0	1	1	1	31-May-04
10	00035	0	2	2	1	31-May-04
11	00036	0	0	0	2	31-May-04
12	00037	0	0	0	1	30-May-04
13	00038	0	1	1	0	28-May-04
		0	19	19	6	

Accredited to ISO/IEC 17025 for specific registered tests.


The liquid portion of another sample was poured through used, but cleaned, screen assembly of 00028.

No part of sample 00028 was contaminated by the screen mix-up.

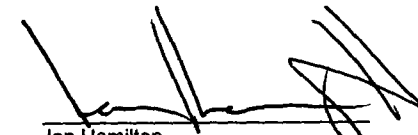
Minor loss may have occurred due to any grains trapped in the screen.

All of the spikes were recovered from this batch.

Batch may contain non-conforming samples.


Chris Berner
Observation Team Leader


Jim Crawford
Laboratory Manager


Ian Hamilton
QA/QC Specialist

The quality of microdiamond extraction and selection from rock samples (Methods 1 and 3) is subject to monitoring through a rigorous internal quality assurance/quality control (QA/QC) scheme. Microdiamond recovery is calculated for one sample in every batch. One batch consists of up to ten samples, depending on individual sample weights. Therefore, at least 10% of samples are quality control samples.

Continual QA/QC monitoring involves comparison of microdiamond from each batch to statistically acceptable internal performance standards. Processing and selection at the laboratory extracts, on average, 99.67% (0.65% expanded uncertainty at the 95% confidence limit) of all contained microdiamonds.



KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5980

Standards Council of Canada
Accredited Laboratory
Scope of Accreditation 335



Conseil canadien des normes
Laboratoire accrédité
Portée d'accréditation 335

TM

CERTIFICATE OF ANALYSIS METHOD 3: MICRODIAMOND CLASSIFICATION

Date Received: 06-May-04
Waybill: BillikenMay6
Work Order #: 04MD016
Project: Billiken Submittal

Company: Billiken Management Services Inc.
53 Yonge Street, Second Floor
Toronto, Ont M5E 1J3
Attention: Neil Novak
Telephone: (416) 815-8666
Facsimile: (416) 815-1355

Lab Billing Code: 113100-RE260

Client Sample Reference	STONE	SIIEVE SIZE (mm)	STOCK EX SIEVE (mm)	X mm	Y mm	Z mm	WEIGHT IN OCTACARATS	FRAGMENT/ACT	MORPHOLOGY	COLOUR	CLARITY	COLOUR INTENSITY	INCLUSIONS/ CLEAVAGES	RESORPTION	SURFACE FEATURES	COMMENTS	DATE
00026	1	0.150	<0.500	0.32	0.21	0.18	21288.98	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	2	3	5			27-May-04
00026	2	0.150	<0.500	0.32	0.31	0.19	27934.72	Fragment	IRREGULAR WITH CUBE FEATURES	Grey	Transparent	1	1	4			27-May-04
00026	3	0.150	<0.500	0.24	0.21	0.14	12418.56	Intact	MACLE	Grey	Transparent	2	2	5	STEPPED		27-May-04
00028	1	0.150	<0.500	0.37	0.23	0.23	34448.48	Intact	OCTAHEDROID	Brown	Transparent	1	1	5	STEPPED		27-May-04
00028	2	0.212	<0.500	0.33	0.28	0.23	34731.84	Fragment	OCTAHEDROID	Grey	Transparent	1	1	4			27-May-04
00029	1	0.212	<0.500	0.35	0.26	0.19	30430.4	Intact	OCTAHEDROID	Grey	Transparent	1	1	5	TRIGONS		31-May-04
00029	2	0.150	<0.500	0.23	0.22	0.16	14248.98	Intact	MACLE	Grey	Transparent	2	2	5	STEPPED		31-May-04
00029	3	0.150	<0.500	0.24	0.18	0.2	15208.4	Intact	OCTAHEDROID	Grey	Transparent	1	1	5			31-May-04
00029	4	0.150	<0.500	0.27	0.26	0.12	14828.24	Intact	MACLE	Grey	Transparent	2	2	4-5	STEPPED		31-May-04
00029	5	0.150	<0.500	0.29	0.18	0.18	18538.98	Intact	MACLE	Grey	Transparent	1	0	4			31-May-04
00029	6	0.150	<0.500	0.37	0.27	0.16	28131.84	Fragment	IRREGULAR	Grey	Transparent	1	1	-			31-May-04
00030	1	0.212	<0.500	0.36	0.28	0.21	37255.88	Intact	OCTAHEDROID	Grey	Transparent	2	3	4	STEPPED		31-May-04
00030	2	0.150	<0.500	0.35	0.22	0.2	27104	Fragment	IRREGULAR	Grey	Transparent	3	2	-			31-May-04
00030	3	0.150	<0.500	0.25	0.2	0.17	14969	Intact	OCTAHEDROID	Grey	Transparent	1	0	5	TRIGONS		31-May-04
00031	1	0.150	<0.500	0.30	0.24	0.18	22808.8	Intact	OCTAHEDROID	Grey	Transparent	1	1	4			27-May-04
00034	1	0.150	<0.500	0.24	0.18	0.17	12925.44	Intact	OCTAHEDRAL AGGREGATE	Grey	Transparent	3	1	5	STEPPED		31-May-04
00035	1	0.212	<0.500	0.51	0.4	0.19	68217.8	Fragment	MACLE	Brown	Transparent	3	1	4			27-May-04
00035	2	0.150	<0.500	0.37	0.24	0.18	28131.84	Intact	OCTAHEDRAL AGGREGATE	White	Transparent	0	1	5	STEPPED		27-May-04
00038	1	0.150	<0.500	0.28	0.19	0.18	15649.92	Intact	OCTAHEDROID	Grey	Transparent	1	1	5	STEPPED		31-May-04

Accredited to ISO/IEC 17026 for specific registered tests.

The liquid portion of another sample was poured through used, but cleaned, screen assembly of 00028.

No part of sample 00028 was contaminated by the screen mix-up.

Minor loss may have occurred due to any grains trapped in the screen.

All of the spikes were recovered from this batch.

Batch may contain non-conforming samples.

Weight in carats was calculated using the following formula: X(mm) x Y(mm) x Z(mm) x Specific Gravity of 3.52 / 200 mg

1 carat = 1 x 10⁻⁸ octacarat

Intensity of Colour - scale of 0 - 5 with 5 being the most intense

Cleavages and Inclusions - scale of 0 - 5 with 5 having the most cleavages and inclusions

Resorption - scale of 1 - 6 with 1 having most resorption

Chris Berner
Observation Team Leader

Jim Crawford
Laboratory Manager

Ian Hamilton
QA/QC Specialist

The quality of microdiamond extraction and selection from rock samples (Methods 1 and 2) is subject to monitoring through a rigorous internal quality assurance/quality control (QA/QC) scheme. Microdiamond recovery is calculated for one sample in every batch. One batch consists of up to ten samples, depending on individual sample weights. Therefore, at least 10% of samples are quality control samples.

Continual QA/QC monitoring involves comparison of microdiamond from each batch to statistically acceptable internal performance standards. Processing and selection at the laboratory extracts, on average, 99.67% @ 65 % expanded uncertainty at the 95% confidence limit of all contained microdiamonds.

CLIENT COMMENT FORM	Year: _____ Number: _____
----------------------------	------------------------------

Comment by (Name, Title):	Organization:
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Tel:	E-mail:	Date:
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SUMMARY OF COMMENT

Follow-up Required? Yes <input type="checkbox"/> No <input type="checkbox"/>

Received by:	Responsible Manager:
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Date:	FOLLOW-UP

Approved: Yes <input type="checkbox"/> No <input type="checkbox"/>	Client Notification: Yes <input type="checkbox"/> No <input type="checkbox"/>
---	--

Approval (Date, Sgn):

Please fill out any comments or complaints and return by fax to the laboratory 807-473-5660 attn: Ian Hamilton

CLIENT COMPLAINT FORM	Year: _____ Number: _____
------------------------------	------------------------------

Complaint by (Name, Title):	Organization:
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Tel:	E-mail:	Date:
------	---------	-------

Received by:	Responsible Manager:
Operation:	Operating Procedure Reference:

SUMMARY OF COMPLAINT

<input type="checkbox"/> NON-CONFORMITY	<input type="checkbox"/> MAJOR	<input type="checkbox"/> MINOR
---	--------------------------------	--------------------------------

Date:	CORRECTIVE ACTION

Date:	POST ASSESSMENT

Client Notification: Yes <input type="checkbox"/> No <input type="checkbox"/>	Date:
---	-------

Approval (Date, Sgn):
