

REPORT ON THE 1980 EXPLORATION
PROGRAM ON THE BE AND JEM
MINERAL CLAIMS, SIXTY MILE RIVER
AREA, YUKON TERRITORY



BY
M.S. CHOLACH, P. Geol., P. Eng.
OF



SPRINGFIELD CONSULTING LTD.
12 ARB CLOSE
RED DEER, ALBERTA

FEBRUARY 1981

090839

This report has been examined by the Geological Survey and is recommended to the Board to be considered as a ... amount of

7,200.00

~~Registered or
Professional Engineer~~

~~Considered presentation work under
Section 52 of the Quartz Mining Act.~~

Ruth Debrisi Sec
Commissioner of Yukon Territory

Oct 1/81

000000

FROM: Mining Recorder at DAWSON

TO: Supervising Mining Recorder at Whitehorse, Y.T.

FOR ACTION ARE:

NEW APPL'N for PLACER LEASE to PROSPECT: Name: _____ Lease No. _____

RENEWAL APPL'N PLACER LEASE to PROSPECT: Name: _____ Lease No. _____

AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name: _____ Lease No. _____

ASSIGNMENT of PLACER LEASE No. _____
From: _____ To: _____

GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.
Owner: _____

DIAMOND DRILL LOGS:
Claims: _____ Claim sheet no: _____

QUARTZ ASSESSMENT REPORT:
Claims: JEM 1-8
BE 1-16
Type of report: Geochemical & trenching
Submitted by: Springfield Consulting
Cls. work performed on: _____
\$ Req. for ren. application \$7,200.00

Signature [Signature] 7-8-81
Date Ret. _____

REPLY ACTION

Signature _____



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name) MICHAEL CHOLACH Occupation GEOLOGIST
(Postal Address) 12 ARB STREET RED DEER ALBERTA
T4R 1E3

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

YA 50087 JEM 1
YA 50088 JEM 2
YA 50089 JEM 3
YA 50090 JEM 4

situated at SIXTYMILE Claim Sheet No. 116-C-2
in the DAWSON Mining District, to the value of at least 12357.20
dollars, since the 4TH day of JUNE 19 30.

to represent the following mineral claims under the authority of Grouping Certificate No. Q1031
(Here list claims to be renewed by number and name in numerical order)

YA 52984	BE 24-	} <i>not renewable</i>	YA 55107	BE 30-	} <i>not renewable</i>
YA 52982	BE 27-		YA 55105	BE 28-	
YA 52980	BE 20-		YA 55103	BE 26-	
YA 55107	BE 31-		YA 55102	BE 25-	
YA 55106	BE 29-		YA 50089	JEM 3	
YA 55104	BE 27-		YA 50087	JEM 1	
YA 56692	BE 16				
YA 50090	JEM 4				
YA 50088	JEM 2				

3. The following is a detailed statement of such work: (Set out full particulars of the work done in the twelve months in which such work is required to be done, as shown by Section 53.)

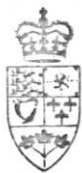
GEOCHEMICAL SURVEYS AND TRENCHING (SEE REPORT BY M. CHOLACH FOR SPRINGFIELD CONSULTING LTD.)

RENEW. 3 YEAR EACH.

Sworn before me at DAWSON
this 22 day of JUNE 19 31

Michael Cholach
Applicant.

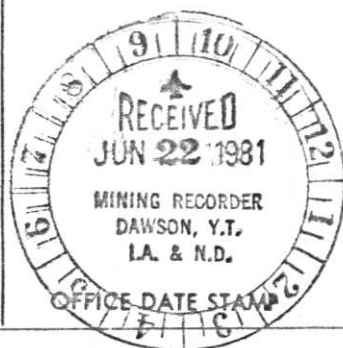
SHOW DATES WORK COMMENCED AND ENDED ON CLAIMS HAVING DIFFERENT ANNIVERSARY DATES



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name) MICHAEL CHOLACH Occupation GEOLOGIST
 (Postal Address) 12 AAR CLOSE, RED DEER ALBERTA T4R 1E8

MAKE OATH AND SAY, THAT :-

1. I am the ~~owner~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
 (Here list claims on which work was actually done by number and name)

- YA 50087 JEM 1
- YA 50088 JEM 2
- YA 50089 JEM 3
- YA 50090 JEM 4

situated at SIXTYMILE Claim Sheet No. 116-C-2

in the DAWSON Mining District, to the value of at least \$12,337.20

dollars, since the 4th day of JUNE 19 80

to represent the following mineral claims under the authority of Grouping Certificate No. Q1029
 (Here list claims to be renewed by number and name in numerical order)

- | | | | |
|----------|-------|----------|-------|
| YA 50090 | JEM 4 | YA 52690 | BE 14 |
| YA 50088 | JEM 2 | YA 52689 | BE 13 |
| YA 50089 | JEM 3 | YA 52688 | BE 12 |
| YA 50087 | JEM 1 | YA 52687 | BE 11 |
| YA 50092 | JEM 6 | | |
| YA 50091 | JEM 5 | | |
| YA 52677 | BE 1 | | |
| YA 52679 | BE 3 | | |
| YA 52681 | BE 5 | | |
| YA 52683 | BE 7 | | |
| YA 52685 | BE 9 | | |
| YA 52691 | BE 15 | | |

3. The following is a detailed statement of such work: (Set out full particulars of the work done in the twelve months in which such work is required to be done, as shown by Section 53.)

GEOCHEMICAL SURVEYS AND TRENCHING (SEE REPORT BY M. CHOLACH FOR SPAINFIELD CONSULTING LTD.)

Renew 3 years each.

Sworn before me at DAWSON
 this 22 day of JUNE 1981

Michael Cholach
 Applicant.

CLAIMS HAVING DIFFERENT ANNIVERSARY DATES



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



OFFICE DATE STAMP

I (Name) <u>MICHAEL CHOLACIN</u>	Occupation <u>GEOLOGIST</u>
(Postal Address) <u>12 ARB CLOSE, RED DEER ALBERTA T4R 1E8</u>	

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

- YA 50087 JEM 1
- YA 50088 JEM 2
- YA 50089 JEM 3
- YA 50090 JEM 4

situated at SIXTYMILE Claim Sheet No. 116-C-2
 in the DAWSON Mining District, to the value of at least \$12,337.20
 dollars, since the 4th day of JUNE 19 80

to represent the following mineral claims under the authority of Grouping Certificate No. _____
 (Here list claims to be renewed by number and name in numerical order)

- | | | | | |
|---------------------|------------------|-----------------|----------|-------|
| YA 52923 | BE 23 | } NOT RENEWABLE | YA 52678 | BE 2 |
| YA 52921 | BE 21 | | YA 52680 | BE 4 |
| YA 52979 | BE 19 | | YA 52682 | BE 6 |
| YA 52977 | BE 17 | | YA 52684 | BE 8 |
| YA 52978 | BE 18 | | YA 52686 | BE 10 |
| YA 50094 | JEM 8 | | | |
| YA 50095 | JEM 7 | | | |
| YA 50090 | JEM 4 | | | |
| YA 50088 | JEM 2 | | | |
| YA 50089 | JEM 3 | | | |
| YA 50087 | JEM 1 | | | |

3. The following is a detailed statement of such work: (Set out full particulars of the work done in the twelve months in which such work is required to be done, as shown by Section 53.)

GEOCHEMICAL SURVEYS AND TRENCHING (SEE REPORT BY M. CHOLACIN FOR SPRINGFIELD CONSULTING LTD)

Renew 3 years each

Sworn before me at DAWSON CITY
 this 22 day of JUNE 19 80

Michael Cholacin
 Applicant.

SHOW DATES WORK COMMENCED AND ENDED ON CLAIMS HAVING DIFFERENT ANNIVERSARY DATES

August 3, 1981

Mr. D.F. Jennings
Mining Recorder
P.O. Box 249
Dawson City, Yukon



Dear Sir:

Re: Renewal of JEM 1-8, BE 17-24 and BE 25-31 Mineral Claims

Further to your letter of July 10, 1981, I have reviewed the records and my report dated February, 1981 and have noted the following:

1. The JEM 1,2,3,4 and 6 mineral claims were staked on June 2, 1980,
2. The JEM 5,6 and 8 mineral claims were staked on June 3, 1980,
3. The JEM 1 to 8 claims were recorded in your office on June 12, 1980.
4. (a) Part of the geochemical soil sampling was done on the JEM claims after they were staked on June 3, 1980 (See Appendix "F", Certificate of Assay by Loring Laboratories, File No. 19343 and Fig. 4, page 10 of the February, 1981 report).
(b) The balance of the geochemical soil sampling was done on the JEM on September 3 and 4, 1980 (See Appendix "F", Certificate of Assay by Loring Laboratories, File No. 20232 and Fig. 4, page 10 of the February, 1981 report).
5. All of the trenching was done on the JEM 1,2 and 4 claims on the following dates (See Fig. 4, page and Table 2, page 13 of February, 1981 report). July 14 to 18, and September 2 to 4, 1980.
6. The chemical assays for rock samples from the JEM mineral claims were taken at the same time the trenching was done in July and September, 1980 (See Appendix "F", Certificate of Assay from Loring Laboratories, File No's 19712 and 20232.
7. The BE 17-24 mineral claims were staked on September 3, 1980 in conjunction with the last phase of the trenching and soil sampling programs. These claims were recorded on September 4, 1980.

ground work

NO

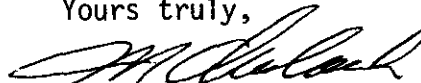
From the foregoing I am of the opinion that all of the work done on the JEM 1-8 and BE 17-24 mineral claims should be applicable as assessment work. In regard to the BE 25-31 mineral claims, these claims were clearly staked after the work program and none of the work done would be applicable to them.

BE 17-31 not renewable.

In reference to expenses covering transportation and accomodation for \$2,926.44. These costs cover air fare and vehicle rentals between Red Deer and Dawson City and accomodation in Dawson City for the periods July 14 to 18, 1980 and September 2 to 4, 1980.

I hope that the foregoing answers your queries.

Yours truly,

A handwritten signature in cursive script, appearing to read 'M. Cholach', written in dark ink.

M. Cholach

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CONCLUSIONS AND RECOMMENDATIONS

1. The 1980 geochemical soil sampling results and trenching have defined a northwest-southeast trending shear zone about 1,400 feet wide, containing numerous faults and veins filled with clay gouge (illite) and minor galena.
2. The soil sample results indicate that anomalous lead silver values increase in a north-westerly direction, thus further soil sampling is needed.
3. The trenching results, in particular Trenches 3 and 4 indicate that there are large faults which require further exploration to check for additional mineralization.
4. The high silver values detected by the preliminary soil sample analyses and subsequent trenching indicate that there may be another source of silver mineralization, other than the small galena veins found in Trenches 1 and 3.
5. In order to complete the evaluation of the BE and JEM mineral claims, further soil sampling and trenching is required. The estimated cost of this work is about \$80,000.00.

INTRODUCTION

The BE and JEM mineral claims were staked in 1980. Preliminary exploration consisted of running three north-south geochemical soil traverses and two east-west geochemical soil traverses. In addition, a total six trenches were dug to evaluate anomalous lead and silver values detected in the soil samples.

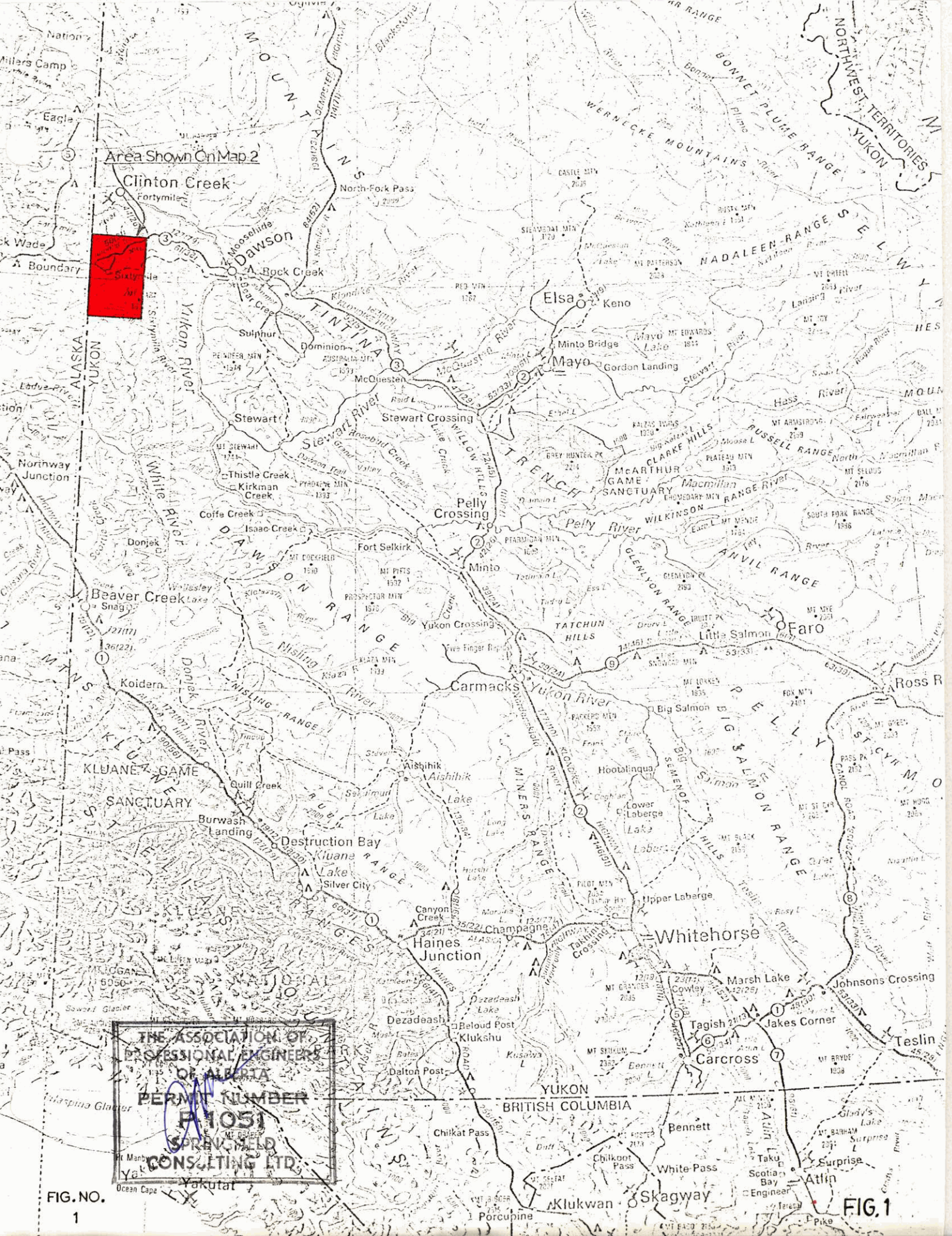
LOCATION AND ACCESSIBILITY

The BE and JEM mineral claims are held by Springfield Consulting Ltd. lie about 40 miles (64 km) west of Dawson City, Yukon (Figures 1 and 2). The mineral claims are located on Map Sheet 116-C-2 or by the following degrees of latitude longitude:

64° 4' N

140° 43' W

The mineral claims are about 3.0 miles or 5.0 km. south of the junction of Yukon Highway No. 3 and the Sixtymile road. The Sixtymile road passes through the central part of the mineral claim area.



Area Shown On Map 2

Clinton Creek

Fortymile

Sixty Mile

Boundary

Yukon River

White River

Donjek River

Beaver Creek

Snag

Koidera

Quill Creek

Burwash Landing

Destruction Bay

Kluane Lake

Silver City

Canyon Creek

Haines Junction

Dezadeash

Beloud Post

Klukshu

Dalton Post

Chilkat Pass

Porcupine

Yakutat

Ocean Cape

Whitehorse

Marsh Lake

Tagish

Jakes Corner

Carcross

Johnson's Crossing

Teslin

White Pass

Skagway

Chilkoot Pass

White Pass

White Pass

White Pass

White Pass

White Pass

White Pass

White Pass

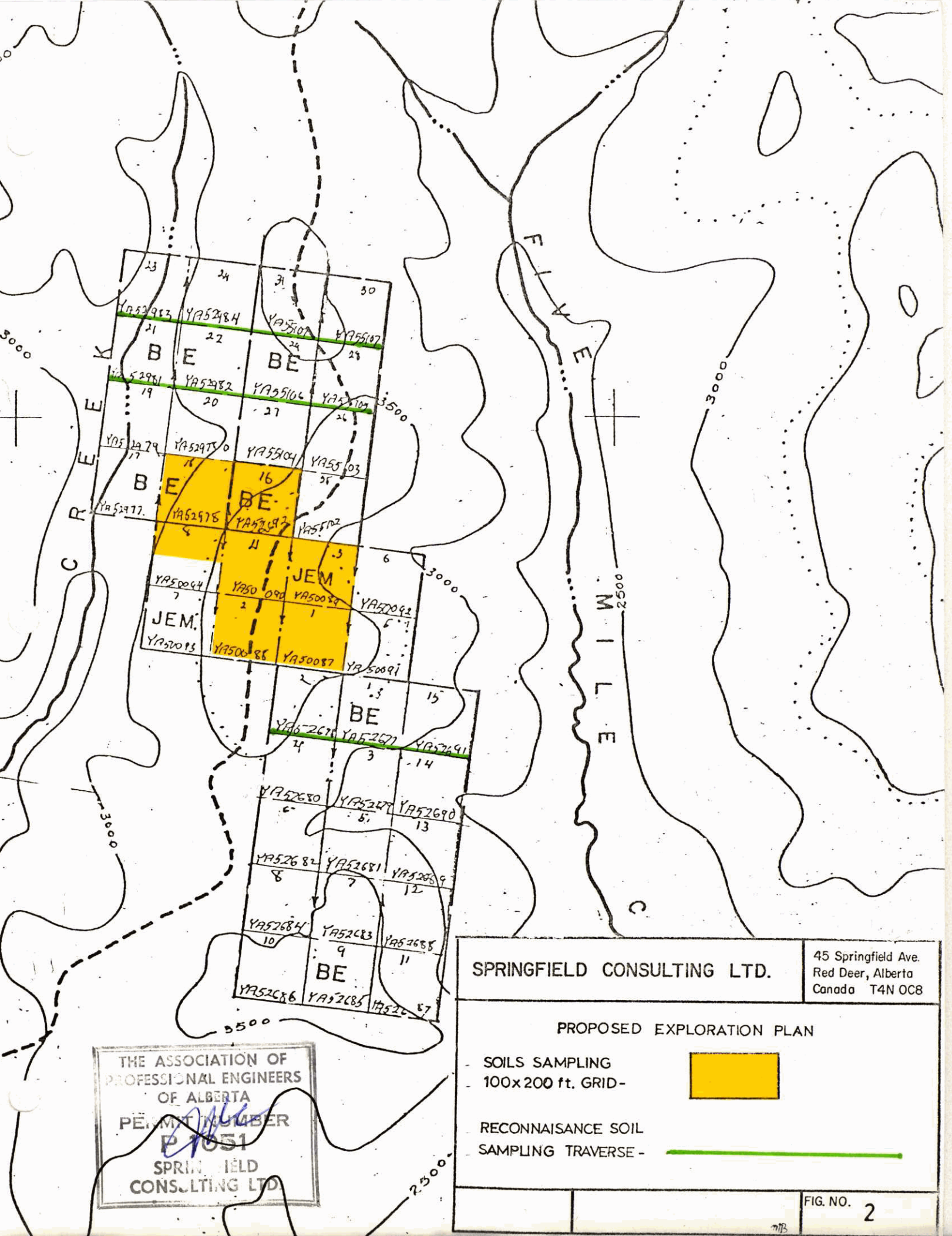
White Pass

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS
OF ALBERTA
PERMIT NUMBER
P-1051
SPRINKLE
CONSULTING LTD.

FIG. NO.

1

FIG. 1



THE ASSOCIATION OF
 PROFESSIONAL ENGINEERS
 OF ALBERTA
 PERMIT NUMBER
 P 1051
 SPRINGFIELD
 CONSULTING LTD.

SPRINGFIELD CONSULTING LTD. 45 Springfield Ave.
 Red Deer, Alberta
 Canada T4N 0C8



PROPOSED EXPLORATION PLAN
 - SOILS SAMPLING 
 - 100x200 ft. GRID-
 - RECONNAISSANCE SOIL
 SAMPLING TRAVERSE - 

FIG. NO. 2

HISTORY

The BE and JEM mineral claims were staked in 1980 (Figure 2). Work on the claims was done on three different occasions.

1. June 4 and 5, 1980: Reconnaissance geochemical sampling and a reconnaissance of mineral claim area.
2. July 14 to 18, 1980: Supervising, trenching, sampling and soil sampling.
3. September 2 to 4, 1980: Trenching and additional soil sampling.

The expenditures for the 1980 exploration program are given in Table 1:

Table 1: Summary of Expenditures for the 1980 Exploration Program

Trenching	\$ 4,124.00
Supervision and Report Preparation	3,150.00
Vehicle Rental	702.89
Transportation and Accommodation	2,936.44
Supplies	225.00
Loring Laboratories	189.75
Express	109.12
Additional Personnel (6 days @ \$150/day)	<u>900.00</u>
	<u>\$12,337.20</u>

The following information is shown in the Appendices of this report:

- Appendix A - Listing of Personnel
- Appendix B - Statutory Declaration of Expenditures on the BE and JEM Annual Claims
- Appendix C - Listing of Mineral Claims
- Appendix D - Mineral Claim Transfers
- Appendix E - Claim Groupings
- Appendix F - Assays and Soil Samplings Results (Loring Laboratories)

GEOLOGY

Most of the area covered by the JEM and BE mineral claims is underlain by coarse grained granite rocks probably of Tertiary Age (Figure 3). The granite has undergone extensive hydrothermal alteration and has a very granular texture. Some of the granules are lightly coated with kaolin.

Preliminary geochemical soil sample results and trenching have shown that there is northwest striking fault (shear) zone across the JEM mineral claims (Figures 2 and 3). The zone strikes about 330° Az. and is about 1,400 feet wide. The zone has been intensely faulted over a period time. Some of the faults have provided outlets for the hydrothermal solutions to escape. These solutions have altered granite through which they passed.

The effects of long term faulting and zoning is reflected by thin sheets of unaltered greenish porphyritic granite along the walls of some faults. The greenish porphyritic intrusive sheets vary in colour and may or may not carry finely disseminated pyrite and galena mineralization. The last stage of faulting and veining is probably faults filled with clay gouge (illite) which sometime contains thin veinlets of galena.



SCALE: 200 MILES TO 1"

KEY MAP

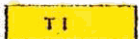
LEGEND



C
SUPERFICIAL DEPOSITS
(GRAVEL, SAND, SILT, MUCK, VOLCANIC ASH,
AND GROUND ICE)



TI
NEWER VOLCANICS, WITH SOME SEDIMENTS
(ANDESITE AND DIABASES, ASSOCIATED
WITH SANDSTONES, SHALES AND CONGLOMERATES)



TI
NEWER VOLCANICS, WITH SOME SEDIMENTS
(ANDESITE AND DIABASES, ASSOCIATED
WITH SANDSTONES, SHALES AND CONGLOMERATES)



K
GRANITIC INTRUSIVES
(GRANITES AND ALLIED PLUTONIC ROCKS)



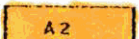
A1
OLDER VOLCANICS
(ANDESITE AND DIABASE)



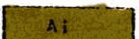
A4
PELTY GNEISSES (?)
(CHIEFLY GRANITE GNEISS)



A3
AMPHIBOLITE SCHIST
(SCHISTOSE AMPHIBOLITES, GREENSTONE
SCHIST AND ALLIED ROCKS)

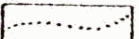


A2
KLONDIKE SCHISTS (?)
(SERICITE AND CHLORITE SERIES)



A1
NASINA SERIES
(QUARTZITE, QUARTZ MICA SHISTS, MICA
SCHIST, SHEARED CONGLOMERATE, GRAPHITE
SCHIST AND CRYSTALLINE Limestone)

SYMBOLS

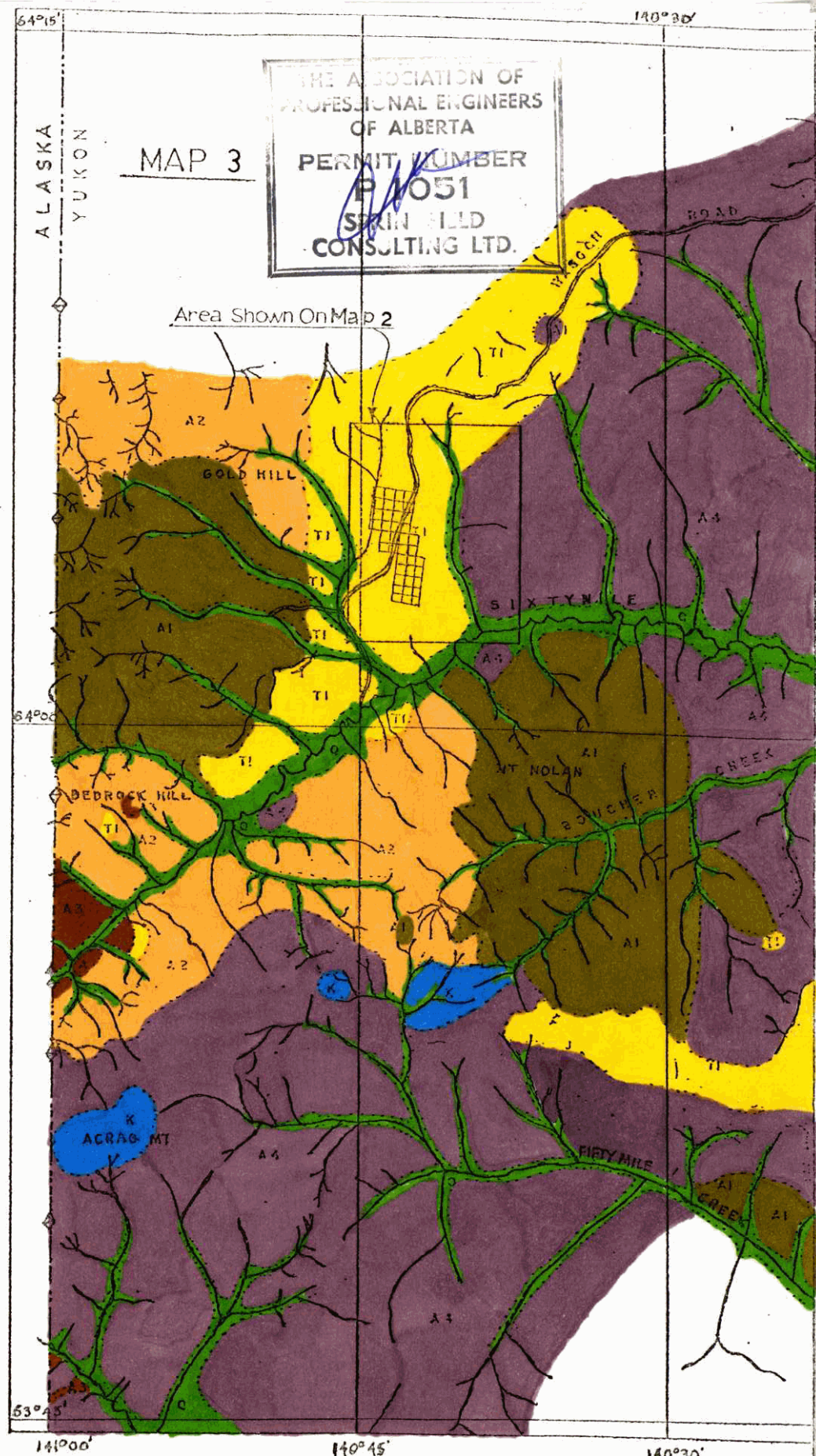


GEOLOGICAL BOUNDARY
(ASSUMED)

INTERNATIONAL BOUNDARY MONUMENTS
SHOWN THUS

TRIANGULATION STATIONS, INTERNATIONAL
BOUNDARY SURVEY, SHOWN THUS

APPROXIMATE MAGNETIC DECLINATION 34°30' EAST



THE ASSOCIATION OF
PROFESSIONAL ENGINEERS
OF ALBERTA
PERMIT NUMBER
P 1051
SPRIN FELD
CONSULTING LTD.

MAP 3

Area Shown On Map 2

SIXTYMILE AND LADUE RIVERS,
YUKON TERRITORY

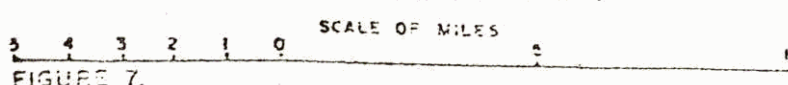


FIGURE 7.

SOURCES OF INFORMATION

GEOLOGY BY W.E. COCKFIELD, 1917
GEOGRAPHY FROM SURVEYS BY W.E. COCKFIELD 1917,
AND FROM MAPS OF THE INTERNATIONAL BOUNDARY
COMMISSION, AND THE TOPOGRAPHICAL SURVEYS BRANCH,
DEPARTMENT OF THE INTERIOR.

MAP COMPILATION BY W.E. COCKFIELD FIG. NO. 3

GEOCHEMISTRY

Some preliminary geochemical soil traverses were run on the JEM mineral claims (Figure 3). Three of these traverses were run in north-south directions. The traverses are about 400 feet apart and soil samples were taken at 100 foot intervals. Two short east-west geochemical traverses were run along the northern and southern boundaries of the JEM claims.

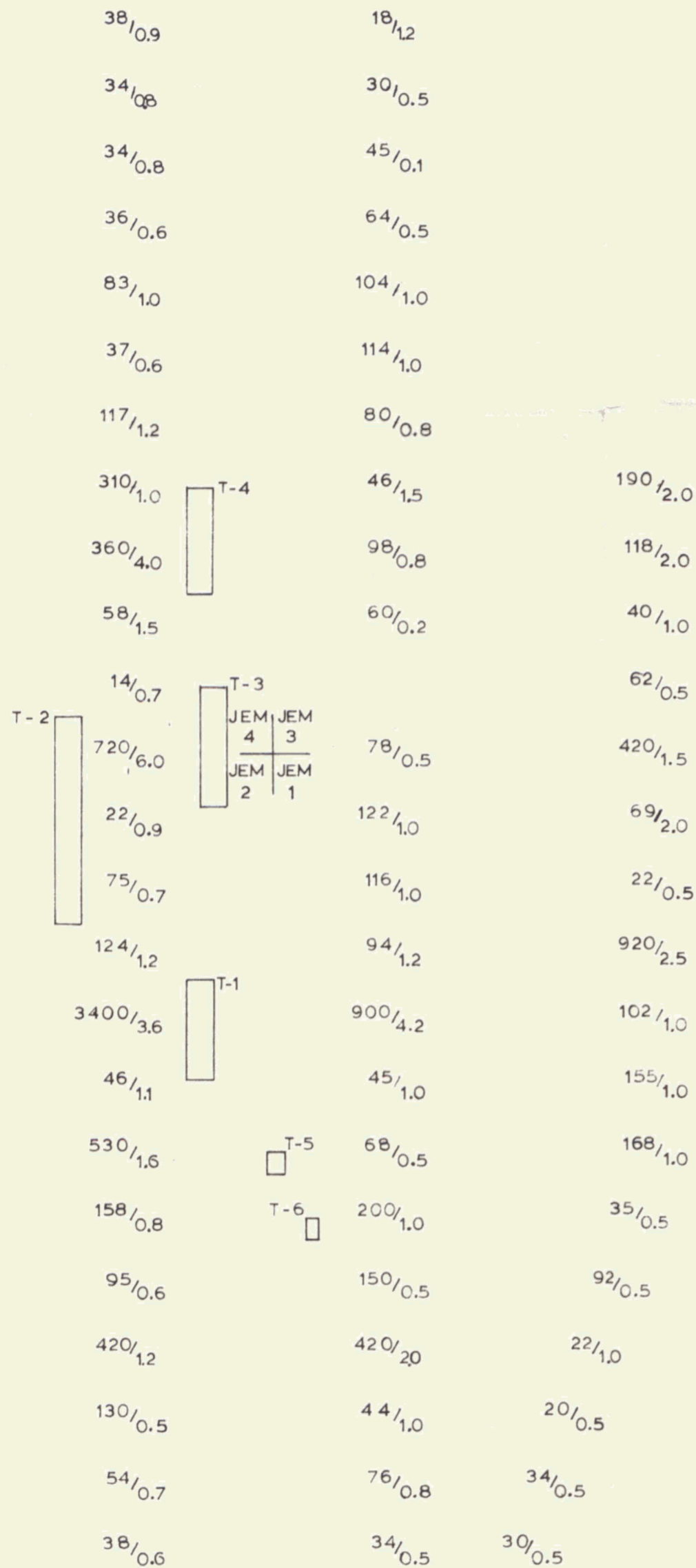
The soil samples were analyzed by Loring Laboratories Ltd. utilizing the following procedures:

1. The soil samples were screened through a 80 mesh nylon screen.
2. One-half gram of minus 80 Mesh sample was placed in a test tube and taken up in 10 mls. of aqua-regia.
3. The samples were then allowed to digest for 3 hours in at 95°C in a hot water bath. After 3 hours, additional aqua-regia was added to the test tubes to bring the volume up to 10 mls.
4. The sample was then analyzed by atomic absorption.

The results of the geochemical survey are shown on Figure 4. These results show an anomalous northwest-southeast trending zone of lead and silver values. A comparison of the three north-south traverses shows that the westerly traverse contains the highest lead and silver values. In general, there is fair correlation between the lead and silver values. The western traverse has the highest lead and silver values indicating that higher anomalous lead and silver values may be found with further soil sampling to the northwest.

A total of six trenches were dug to check for the sources of the lead and silver anomalies. The trenching results are discussed in the next section dealing with mineralogy.

105/0.7 23/0.6 30/0.5 250/1.1 41/0.5 46/0.8



SPRINGFIELD CONSULTING LTD.

12 Arb Close Red Deer, Alberta, Canada T4R 1E8

SOIL SAMPLE AND TRENCH LOCATIONS ON JEM
1, 2, 3 & 4 MINERAL CLAIMS

SCALE: 1 IN. = 400 FT.



LEGEND:

Trench - T-1

Soil Sample Site - Pb/Ag - 134/0.7

Sample No. - 100 N

FEB. 1981

M. CHOLACH GEOLOGIST

FIG. NO. 4

THE ASSOCIATION OF
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OF ALBERTA
PERMIT NUMBER
P 1051
SPRINGFIELD
CONSULTING LTD.

58/0.7 75/0.9 146/0.9 96/0.9 66/0.6 46/0.5 32/0.4 30/0.7 33/0.6

MINERALOGY

The mineralogy of the BE and JEM mineral claims has not been fully investigated as the ore bearing fluids change composition as they migrate from their source. The factors which will affect the composition of an ore bearing fluid are reactions with wall rocks, changes in pH, migration of fluids to regions of low temperatures and pressure, and the loss of heat to the surrounding country rock. These factors affect the stabilities of certain minerals within the ore bearing fluids, with the consequent deposition of specific phases at certain times. Thus, a general sequence of mineral deposits is established, which does not necessarily depend upon depth or temperature.

To fully investigate the mineral occurrences on the BE and JEM mineral claims, additional soil sampling is needed, followed by trenching and possibly drilling.

A total of six trenches were dug (Figure 4) on the JEM mineral claims. The following is a description of the faults and mineralization observed. A summary of the trenching and assay results is given in Table 2. (Note: Trenches 1 to 4 inclusive were very close to the road. The trenches were photographed and then backfilled for safety reasons).

Trench 1: Two veins carrying clay gouge (illite) were uncovered in the trench. One of the veins at the southern end of the trench contained a stringer of galena about 0.1 feet thick, which assayed 75.06 percent lead and 67.2 ounces of silver per ton. The joint faces near the veins were stained with limonite and goethite from the passage of meteoric water. The trench requires deepening.



Figure 5 - Trench 1

Trench 2: The trench is located on the west side of the road (Figure 4).

A 5.4 foot highly fractured kaolinized granitic zone and a 1.2 foot clay (illite) filled vein were uncovered in this trench. Assays for the two zones were about 0.20 percent lead and less than 0.20 ounces silver per ton (Sample No.'s 10010 and 10011 shown in Table 2). Figure 6 is a photograph of Trench 2.

TABLE 2 - ASSAY AND TRENCHING SUMMARY

<u>TRENCH NO.</u>	<u>LENGTH (YDS)</u>	<u>WIDTH (YDS)</u>	<u>DEPTH (YDS)</u>	<u>VOLUME (YDS³)</u>	<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>	<u>PB. (%)</u>	<u>AA (OZ. 1 TON)</u>
1	47	8	1.6	601.6	10007	1.1 ft. clay gouge (illite) with thin gray quartz stringers	8.37	8.02
					10008	0.1 ft. galena vein	75.06	67.20
					10009	1.2 ft. clay gouge (illite)	0.66	0.18
2	87	7.3	1.2	762.1	10010	5.4 ft. fractured and kaolinized granitic zone	0.20	0.16
					10011	1.2 ft. clay gouge (illite)	0.19	0.09
3	69	12.0	2.7	2235.6	1	Green porphyry containing finely disseminated pyrite, galena and tetrahedrite(?) (Grab sample from north side of fault zone)	0.02	0.18
					2	Same as above, grab sample from south side of fault zone	Trace	0.18
					3	Galena vein, 0.1 ft. thick at south end of pit	14.13	33.72
4	40.9	11.1	1.6	726.4	10012	1.2 ft. zone of black pyrolucite coated rocks	0.10	0.02
					10013	2.7 ft. zone of illite and granular quartz	0.06	0.04
					10014	0.6 ft. black coated (pyrolucite) rocks	0.06	0.02
5	20.0	5.0	1.2	120.0		No samples taken - traces of clay gouge vein material, trench not deep enough		
6	21.0	5.0	1.3	136.5		No samples taken - traces of clay gouge vein material, trench not deep enough		
TOTAL YARDS =				<u><u>4582.2</u></u>				

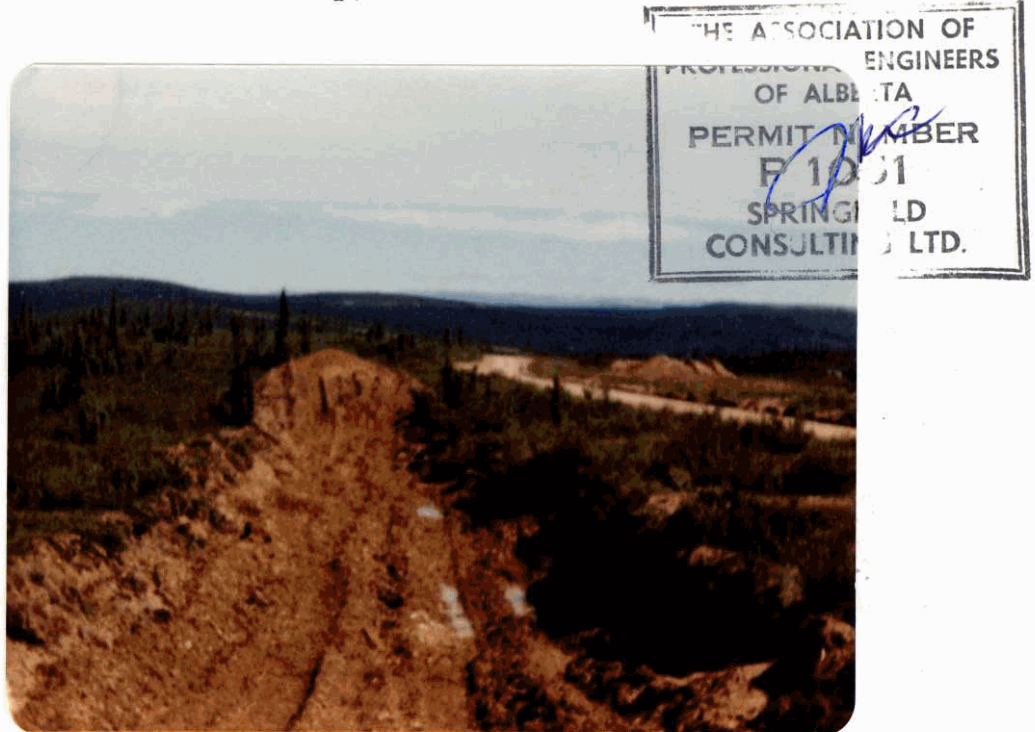


Figure 6 - Trench 2

Trench 3: The trench was deepened after the photograph in Figure 6 was taken. A 0.1 foot galena vein in illite was located at the south end of the trench. Near the northern end of the trench, a major fault was uncovered. The fault is about six feet wide and is sluffed in. A large backhoe is needed to clean the overburden from the fault to determine if there is any mineralization. On either side of the fault there are sheets of greenish unaltered granitic porphyry. The porphyry sheets vary in colour and some of the sheets contain disseminated pyrite and galena mineralization.

Sample 1 and 2 (Table 2) shows that the green porphyry contains minor amounts of silver and lead. Sample 3 from the galena vein assayed 14.13 percent lead and 33.72 ounces of silver per ton.



Figure 7 - Trench 3

Trench 4: Trench 4 is located just north of Trench 3 (Figure 4). A 4.5 foot vein was uncovered near the southern end of the trench. Three samples were taken from the vein, however, all of the sample assays showed minor amounts of lead and silver (Table 2).

Another large fault with greenish intrusive porphyry sheets on either side of the fault was located in the northern part of the trench. This fault is similar to the fault in Trench 3.

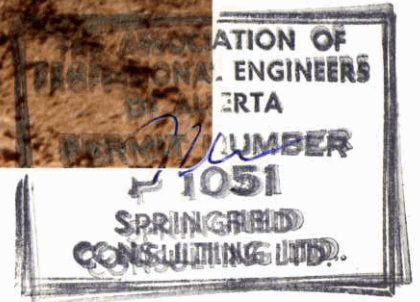


Figure 8 - Trench 4

Trenches 5 and 6: Both of these trenches (Figure 4) are shallow; however, traces of typical clay gouge were found in both trenches. The trenches require deepening.

The trenching has located some minor amounts of galena which would account for the lead anomalies. The lead anomalies are generally low, however, the silver anomalies are unusually high indicating a possible secondary type of silver mineralization which trenching has failed to uncover. The two major faults found in Trench No.'s 3 and 4 need to be checked using a backhoe to reach down into the faults to check for additional mineralization.

FUTURE EXPLORATION

Further exploration should consist of additional soil sampling and trenching. The soil samples should be taken from the "B" soil horizon which begins about 1.0 feet below the surface over much of the area. Figure 2 shows the proposed sample areas. Parts of JEM 1, 2, 3 and 4 and the BE 16 and 18 claims should be sampled on a 100 foot x 200 foot grid. About 15,500 feet of reconnaissance sampling at 100 foot sample intervals should be done along the lines shown on Figure 2. The total number of soil samples required would be about 900.

Atomic absorption analyses should be performed on the samples for copper, lead, silver, zinc and followed up with mercury and tungsten analyses. The mercury analyses would serve as a path-finder element in locating the sources of mineralization. The tungsten analyses are justified because of the extensive granite alteration and the occurrence of placer gold in the Sixtymile area.

The trenching program should consist of at least two 1,400 foot trenches cut perpendicular to the northwest-southeast trending shear zone on either side of the road (Figure 2). The trenches would permit detailed mapping and sampling. Additional trenches would be required to check anomalous areas located by geochemical soil sampling.

BUDGET

The estimated cost of the soil sampling and trenching program

is:

1. Cutting baselines for geochem soil survey 2 men @ \$150/day x 6 days	\$ 1,800.00
2. Soil Sampling 2 men @ \$150/day x 9 days	2,700.00
3. Dozer with ripper (D-9) 100 hours @ \$150/hour	15,000.00
4. Transportation of Dozer from Whitehorse	3,000.00
5. Backhoe 150 hours @ \$100/hour	15,000.00
6. Transportation of Backhoe from Whitehorse	3,000.00
7. Supervision 30 days @ \$350/day	10,500.00
8. Vehicle Rental 45 days @ \$70/day	3,150.00
9. Subsistence 60 man days @ \$60/day	3,600.00
10. Soil Sample Analyses:	
900 samples @ \$3.00 (Pb, Ag, Zn)	2,700.00
900 samples @ \$3.85 (Hg)	3,465.00
900 samples @ \$3.70 (W)	3,330.00
11. Assays	1,500.00
12. Transportation and Communication	5,000.00
13. Report Preparation	5,000.00
14. Contingencies	10,000.00
	<hr/>
TOTAL	\$88,745.00
	<hr/> <hr/>

Submitted by:



Michael Cholach
President
Springfield Consulting Ltd.

BIBLIOGRAPHY

Cockfield, W. E. 1921: Sixtymile and Ladue Rivers Area, Yukon;
Geol Survey, Canada, Mem. 123

APPENDIX "B"

Statutory Declaration of expenditures

CANADA
PROVINCE OF ALBERTA
To Wit:

IN THE MATTER OF mineral exploration
on the BE and JEM mineral claims
during 1980.

I, MICHAEL STEPHEN CHOLACH
of the City of Edmonton
in the Province of Alberta, Geologist,
do solemnly declare that


1. I was the geologist for Springfield Consulting Ltd. for the
1980 exploration program in the Sixtymile River area, Yukon Territory during
the period from June 4, 1980 to and including September 4, 1980 and have a
personal knowledge of the matters hereinafter declared.

2. The particulars of expenditures for the 1980 program in the said
area as set forth in Table 1 of the report are true and correct and the
said expenditures were incurred by Springfield Consulting Ltd. during the
period of June 4, 1980 to and including September 4, 1980.

AND I make this solemn declaration conscientiously believing it to be true and
knowing that it is of the same force and effect as if made under oath and by
virtue of "The Canada Evidence Act".

DECLARED before me at the City
of Edmonton,
in the Province of Alberta
this ~~17th~~ day of February A.D.
1981




A NOTARY PUBLIC in and for the Province
of Alberta

KEVIN J. JENKINS

APPENDIX "C"

Listing of Mineral Claims:

<u>NAME</u>	<u>GRANT NO.</u>	<u>DATE</u>	<u>STAKED BY</u>
JEM1 TO JEM8	YA50087 TO YA50094	June 3, 1980	M. Cholach
BE 1 TO BE 8	YA52677 TO YA52684	June 25, 1980	Dan Dominick
BE 9 TO BE16	YA52685 TO YA52692	June 26, 1980	Bill Lumsden
BE17 TO BE24	YA52977 TO YA52984	September 3, 1980	F. Brown
BE25 TO BE31	YA55102 TO YA55108	October , 1980	M. J. Renezetti

APPENDIX "D"

Copies of transfers of mineral claims to Springfield Consulting
Ltd.

TRANSFER OF MINING CLAIMS OR OF INTEREST THEREIN
YUKON TERRITORY

(Submit in duplicate to the District Mining Recorder)

TRANSFEROR Dan Dominick Occupation Project Manager

Address 6029 - 103 Street, EDMONTON, Alberta T6H 2H3

HEREBY TRANSFER TO THE

GRANTEE, Springfield Consulting Occupation Project Manager

Address 12 Arb Close, RED DEER, Alberta T4R 1E8

100 % (One Hundred per cent) interest in each and every mining claim below, and I hereby acknowledge receipt of the sum of \$ 1.00 dollars) or I am entitled to transfer the above unencumbered interest.

NAME OF CLAIM(S)

RECORD (CLAIM TAG) NUMBER(S)

BE25 to BE 31

YA55102 - YA55108

located in Dawson Mining District, Located under Yukon Quartz Mining Area
Municipality of Location Sixty Mile Area 116-C-2

at Edmonton on the 11th day of June 19 81

Pamela D. Carlson
S (signature, please complete
address below)

[Signature]
TRANSFEROR or his Recorded Agent
(Signed in presence of Witness)

AFFIDAVIT OF WITNESS

)
)
(TERRITORY)

Pamela D. Carlson of *Edmonton*
resides to the within Instrument, make oath and say:

I was personally present and did see the within Instrument and duplicate duly signed,
and executed by *[Signature]* the party thereto.

that the within Instrument and duplicate were executed at the place and on the day shown in
said Instrument.

I know the said party and he is, to the best of my knowledge and belief, of the legal
age and of the execution of the within Instrument.

TRANSFER OF MINING CLAIMS OR OF INTEREST THEREIN
YUKON TERRITORY

(Submit in duplicate to the District Mining Recorder)

TRANSFEROR Bill Lumsden Occupation Project Manager
Address 10234 - 111 Avenue, GRANDE PRAIRIE, Alberta T8V 1T8

HEREBY TRANSFER TO THE

GRANTEE, Springfield Consulting Occupation Geologist
Address 12 Arb Close, RED DEER, Alberta T4R 1E8

100 % (One Hundred per cent) interest in each and every mining claim
below, and I hereby acknowledge receipt of the sum of \$ 10.00 dollars)
before I am entitled to transfer the above unencumbered interest.

<u>NAME OF CLAIM(S)</u>	<u>RECORD (CLAIM TAG) NUMBER(S)</u>
<u>BE9 to BE 16</u>	<u>YA52685 to YA52692</u>

located in Dawson Mining District, Located under Yukon Quartz Mining Act
Particulars of Location Map Sheet 116-C-2

at _____ on the _____ day of _____ 19 81

Witness (signature, please complete
omit below)

TRANSFEROR or his Recorded Agent
(Signed in presence of Witness)

AFFIDAVIT OF WITNESS

A)
)
TERRITORY)
)
F)

_____ of _____
Witness to the within Instrument, make oath and say:

I was personally present and did see the within Instrument and duplicate duly signed,
and executed by _____ the party thereto.

The within Instrument and duplicate were executed at the place and on the day shown in
said Instrument.

I know the said party and he is, to the best of my knowledge and belief, of the legal
age and of the execution of the within Instrument.

TRANSFER OF MINING CLAIMS OR OF INTEREST THEREIN
YUKON TERRITORY

(Submit in duplicate to the District Mining Recorder)

TRANSFEROR Frank Brown Occupation _____
Address 6029 - 103 Street, EDMONTON, Alberta T6H 2H3

HEREBY TRANSFER TO THE

GRantee, Springfield Consulting Occupation Geologist
Address 12 Arb Close, RED DEER, Alberta T4R 1E8

100 % (One Hundred per cent) interest in each and every mining claim below, and I hereby acknowledge receipt of the sum of \$ 1.00 dollars) more I am entitled to transfer the above unencumbered interest.

NAME OF CLAIM(S)

RECORD (CLAIM TAG) NUMBER(S)

BE17 to BE24

YA52977 to YA52984

located in Dawson Mining District, Located under Yukon Quartz Mining Act
Meters of Location 116-C-2

at Edmonton on the 11th day of June 19 81

[Signature]
WITNESS (signature, please complete affidavit below)

[Signature]
TRANSFEROR or his Recorded Agent
(Signed in presence of Witness)

AFFIDAVIT OF WITNESS

YUKON
)
)
TERRITORY)
)
)
R

Ramona D. Wilson of Edmonton
do hereby certify that the within Instrument, make oath and say:

I was personally present and did see the within Instrument and duplicate duly signed, and executed by [Signature] the party thereto.

That the within Instrument and duplicate were executed at the place and on the day shown in said Instrument.

I know the said party and he is, to the best of my knowledge and belief, of the legal age and of the execution of the within Instrument.

TRANSFER OF MINING CLAIMS OR OF INTEREST THEREIN
YUKON TERRITORY

(Submit in duplicate to the District Mining Recorder)

TRANSFEROR Dan Dominick Occupation Project Manager
Address 5029 - 103 Street, EDMONTON, Alberta.

HEREBY TRANSFER TO THE

GRANTEE, Springfield Consultants Ltd. Occupation Geologist
Address 12 Arb Street, RED DEER, Alberta.

100 % (One Hundred per cent) interest in each and every mining claim below, and I hereby acknowledge receipt of the sum of \$ 10.00 dollars) before I am entitled to transfer the above unencumbered interest.

NAME OF CLAIM(S) BE 25-31 RECORD (CLAIM TAG) NUMBER(S) YASS102-55108

Located in Dawson Mining District, Located under Yukon Quartz Mining Act
Particulars of Location Map Sheet 116-C-2

Executed at Edmonton on the 27th day of May 19 81

C. Rymense
WITNESS (signature, please complete affidavit below)

Dan Dominick
TRANSFEROR or his Recorded Agent (Signed in presence of Witness)

AFFIDAVIT OF WITNESS

DA)
)
N TERRITORY)
)
IT)

C. Rymense of Edmonton
do hereby certify that the within Instrument, make oath and say:

I was personally present and did see the within Instrument and duplicate duly signed, read and executed by Dan Dominick the party thereto.

That the within Instrument and duplicate were executed at the place and on the day shown in said Instrument.

That I know the said party and he is, to the best of my knowledge and belief, of the legal age and of sound mind at the time of the execution of the within Instrument.

TRANSFER OF MINING CLAIMS OR OF INTEREST THEREIN
YUKON TERRITORY

(Submit in duplicate to the District Mining Recorder)

TRANSFEROR MARTIN J. RENZETTI Occupation OPERATOR
Address BOX 92 DAWSON CITY YUKON

HEREBY TRANSFER TO THE

GRANTEE, DAN DOMINICK Occupation CONST. CON
Address 17115 75TH AVE. EDM. ALTA.

100 % (one hundred) per cent) interest in each and every mining claim
below, and I hereby acknowledge receipt of the sum of \$ 1 dollars)
before I am entitled to transfer the above unencumbered interest.

NAME OF CLAIM(S) E 25-31 RECORD (CLAIM TAG) NUMBER(S) YASS 102-55108

located in DAWSON Mining District, Located under Yukon QUARTZ Mining Act
Particulars of Location SIXTY MILE 116-C-2

made at DAWSON on the 10 day of NOV. 19 80

Walter Renzetti
WITNESS (signature, please complete
affidavit below)

Marty Renzetti
TRANSFEROR or his Recorded Agent
(Signed in presence of Witness)

AFFIDAVIT OF WITNESS

DA)
)
N TERRITORY)
)
IT)

Shirley VanBuren of Dawson
Witness to the within Instrument, make oath and say:

I was personally present and did see the within Instrument and duplicate duly signed,
read and executed by Martin Renzetti the party thereto.
The within Instrument and duplicate were executed at the place and on the day shown in
said Instrument.
I know the said party and he is, to the best of my knowledge and belief, of the legal
age for the execution of the within Instrument.
I am of legal age for the witnessing of the within Instrument.

APPENDIX "E"

Groupings of Mineral Claims.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

Yukon Quartz Mining Act

APPLICATION TO GROUP MINERAL CLAIMS

MINING DISTRICT DAWSON CLAIM SHEET NO. 116-C-2

OFFICE DATE STAMP

I(WE) THE UNDERSIGNED OWNER(S) OR AGENT(S) OF THE OWNER(S) OF THE FOLLOWING MINERAL CLAIMS

<u>GRANT NUMBER(S)</u>	<u>CLAIM NAME(S)</u>
YA52983	BE23
YA52981	BE21
YA52979	BE19
YA52977	BE17
YA52978	BE18
YA50094	JEM8
YA50095	JEM7
YA50090	JEM4
YA50088	JEM2
YA50089	JEM3
YA50087	JEM1
YA52678	BE2
YA52680	BE4
YA52682	BE6
YA52684	BE8
YA52686	BE10

GIVE NOTICE OF INTENTION TO GROUP THE SAID CLAIMS FOR THE PERFORMANCE OF WORK AND DO HEREBY APPLY UNDER THE PROVISIONS OF SECTION 52 OF THE YUKON QUARTZ MINING ACT FOR A CERTIFICATE IN FORM "E"

I(WE) HEREBY CERTIFY THAT THE ABOVE CLAIMS ARE ADJOINING AS SHOWN ON ATTACHED SKETCH

DATED AT RED DEER, ALBERTA

THIS 16th DAY OF FEBRUARY 1981

SPRINGFIELD CONSULTING LTD.

12 ARB CLOSE

RED DEER, ALBERTA T4R 1E8

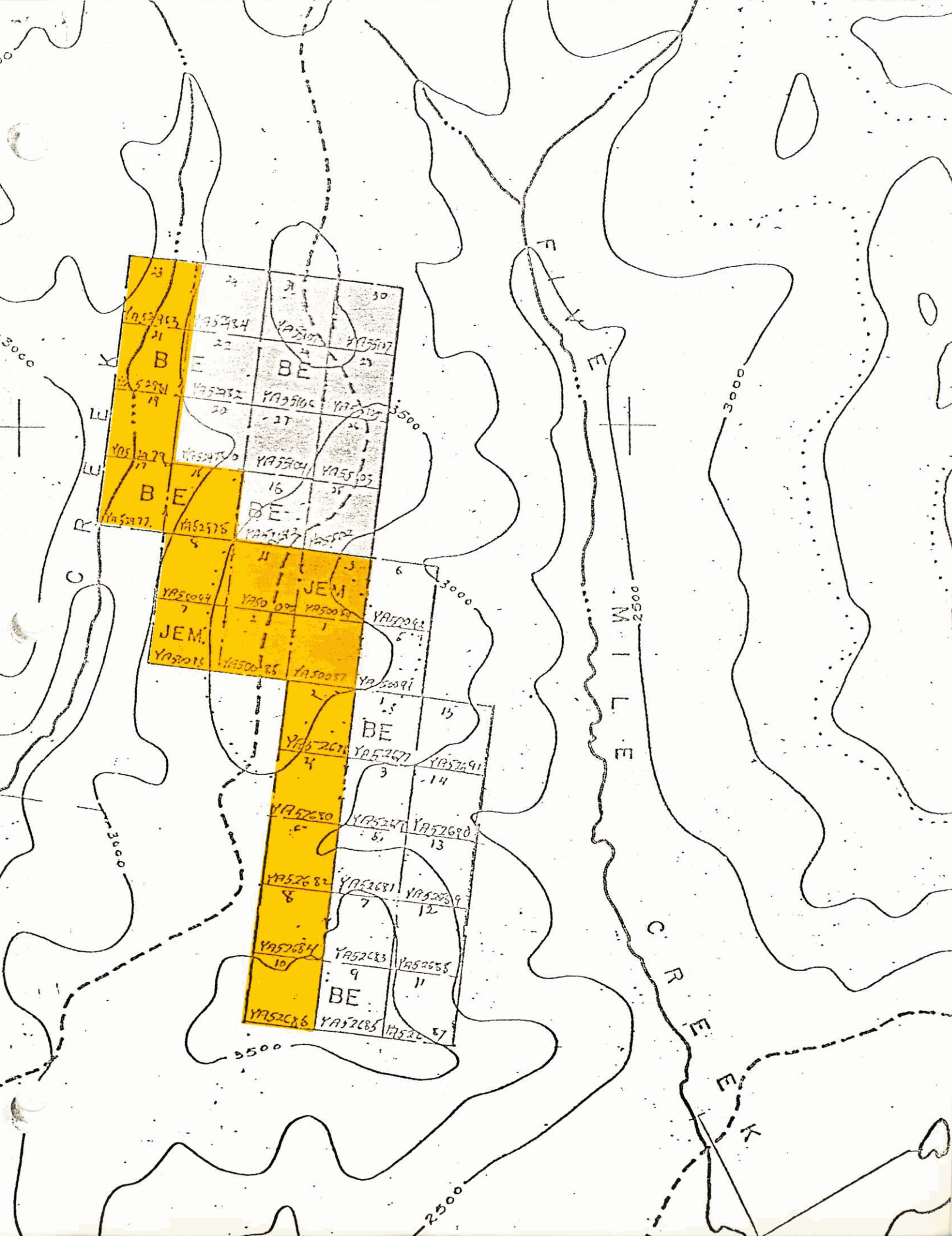
M. CHOLACH, PRESIDENT

FOR OFFICE USE ONLY.

FORM "E" NO.

RECEIPT NO.

DATE APPLIED:





DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

Yukon Quartz Mining Act

APPLICATION TO GROUP MINERAL CLAIMS

MINING DISTRICT DAWSON

CLAIM SHEET NO. T16-C-2

I(WE) THE UNDERSIGNED OWNER(S) OR AGENT(S) OF THE OWNER(S) OF THE FOLLOWING MINERAL CLAIMS

OFFICE DATE STAMP

<u>GRANT NUMBER(S)</u>	<u>CLAIM NAME(S)</u>
YA50090	JEM4
YA50088	JEM2
YA50089	JEM3
YA50087	JEM1
YA50092	JEM6
YA50091	JEM5
YA52677	BE1
YA52679	BE3
YA52681	BE5
YA52683	BE7
YA52685	BE9
YA52691	BE15
YA52690	BE14
YA52689	BE13
YA52688	BE12
YA52687	BE11

GIVE NOTICE OF INTENTION TO GROUP THE SAID CLAIMS FOR THE PERFORMANCE OF WORK AND DO HEREBY APPLY UNDER THE PROVISIONS OF SECTION 52 OF THE YUKON QUARTZ MINING ACT FOR A CERTIFICATE IN FORM "E"

I(WE) HEREBY CERTIFY THAT THE ABOVE CLAIMS ARE ADJOINING AS SHOWN ON ATTACHED SKETCH

DATED AT RED DEER, ALBERTA

THIS 16th DAY OF February 1981

SPRINGFIELD CONSULTING LTD.

12 ARB CLOSE

RED DEER, ALBERTA T4K 1E8

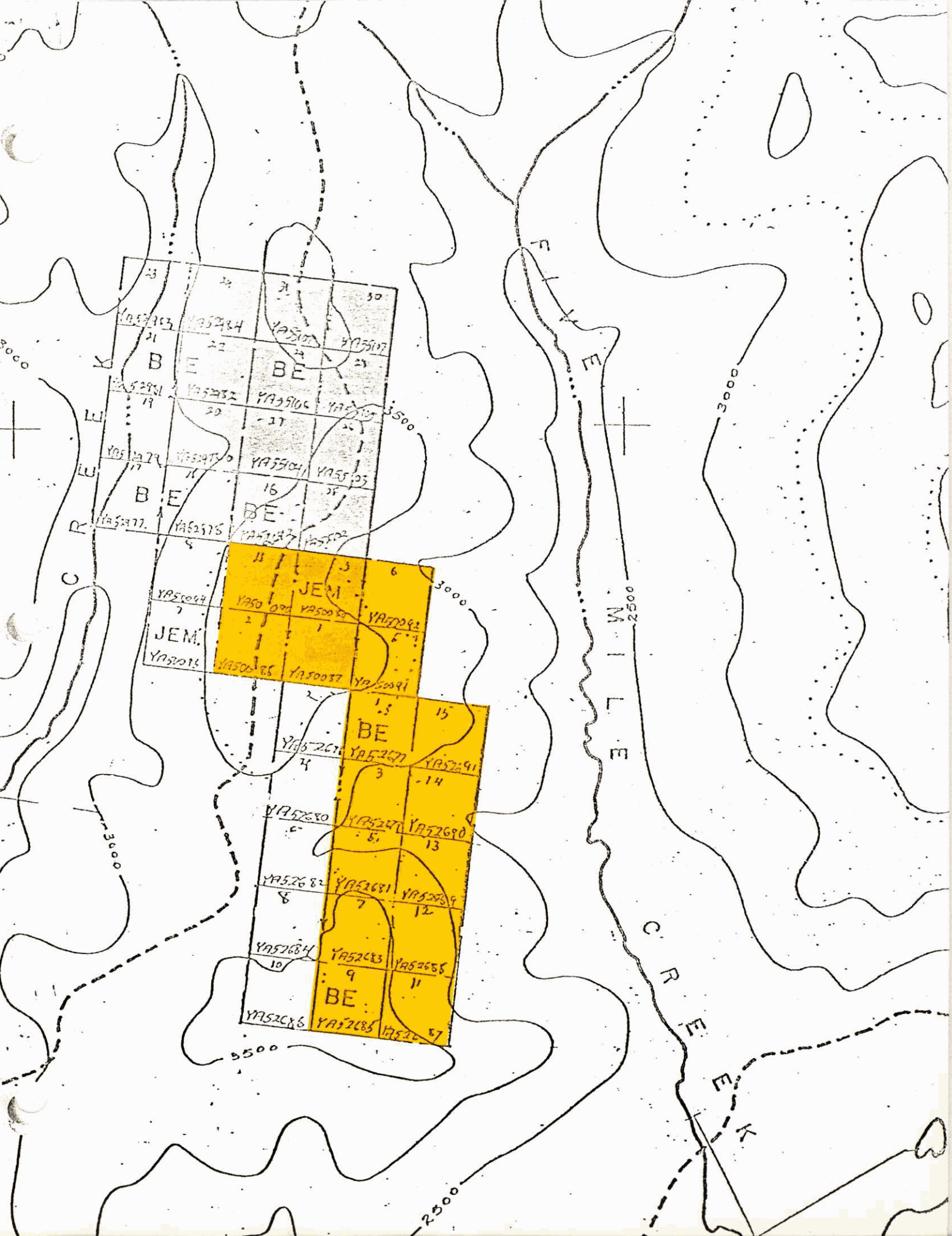
M. CHOLACH, PRESIDENT

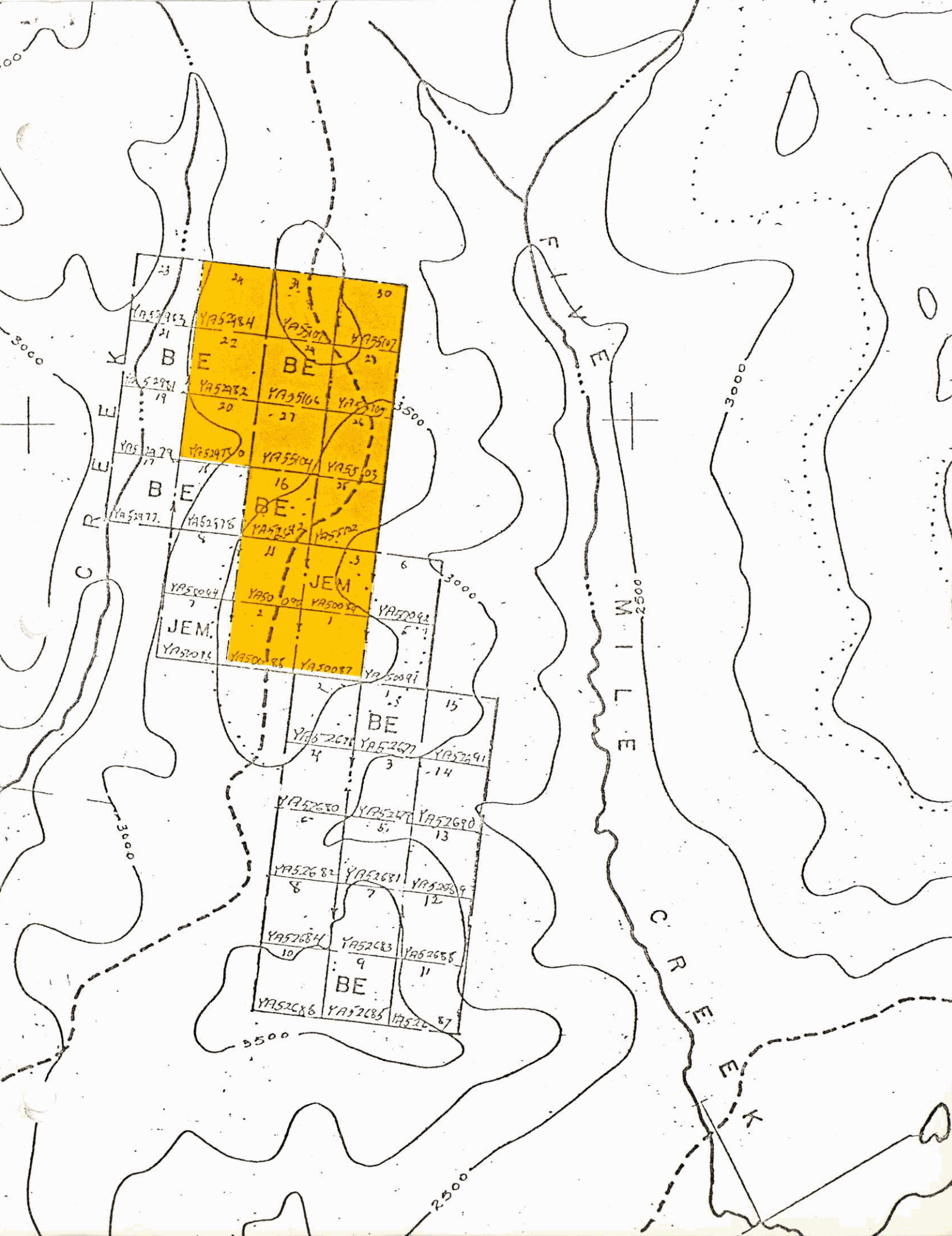
FOR OFFICE USE ONLY.

FORM "E" NO.

RECEIPT NO.

DATE APPLIED:





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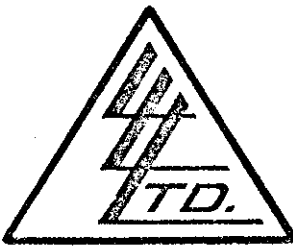
3500

2500

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18	19	20	21	22	23	24	25
YAS2993	YAS2994	YAS2995	YAS2996	YAS2997	YAS2998	YAS2999	YAS3000
16	17	18	19	20	21	22	23
YAS3001	YAS3002	YAS3003	YAS3004	YAS3005	YAS3006	YAS3007	YAS3008
14	15	16	17	18	19	20	21
YAS3009	YAS3010	YAS3011	YAS3012	YAS3013	YAS3014	YAS3015	YAS3016
12	13	14	15	16	17	18	19
YAS3017	YAS3018	YAS3019	YAS3020	YAS3021	YAS3022	YAS3023	YAS3024
10	11	12	13	14	15	16	17
YAS3025	YAS3026	YAS3027	YAS3028	YAS3029	YAS3030	YAS3031	YAS3032
8	9	10	11	12	13	14	15
YAS3033	YAS3034	YAS3035	YAS3036	YAS3037	YAS3038	YAS3039	YAS3040
6	7	8	9	10	11	12	13
YAS3041	YAS3042	YAS3043	YAS3044	YAS3045	YAS3046	YAS3047	YAS3048
4	5	6	7	8	9	10	11
YAS3049	YAS3050	YAS3051	YAS3052	YAS3053	YAS3054	YAS3055	YAS3056
2	3	4	5	6	7	8	9
YAS3057	YAS3058	YAS3059	YAS3060	YAS3061	YAS3062	YAS3063	YAS3064
1	2	3	4	5	6	7	8
YAS3065	YAS3066	YAS3067	YAS3068	YAS3069	YAS3070	YAS3071	YAS3072
15	16	17	18	19	20	21	22
YAS3073	YAS3074	YAS3075	YAS3076	YAS3077	YAS3078	YAS3079	YAS3080
13	14	15	16	17	18	19	20
YAS3081	YAS3082	YAS3083	YAS3084	YAS3085	YAS3086	YAS3087	YAS3088
11	12	13	14	15	16	17	18
YAS3089	YAS3090	YAS3091	YAS3092	YAS3093	YAS3094	YAS3095	YAS3096
9	10	11	12	13	14	15	16
YAS3097	YAS3098	YAS3099	YAS3100	YAS3101	YAS3102	YAS3103	YAS3104
7	8	9	10	11	12	13	14
YAS3105	YAS3106	YAS3107	YAS3108	YAS3109	YAS3110	YAS3111	YAS3112
5	6	7	8	9	10	11	12
YAS3113	YAS3114	YAS3115	YAS3116	YAS3117	YAS3118	YAS3119	YAS3120
3	4	5	6	7	8	9	10
YAS3121	YAS3122	YAS3123	YAS3124	YAS3125	YAS3126	YAS3127	YAS3128
1	2	3	4	5	6	7	8
YAS3129	YAS3130	YAS3131	YAS3132	YAS3133	YAS3134	YAS3135	YAS3136

APPENDIX "F"

Soil Samples and Assay Results



File No. 19343
 Date June 11, 1980
 Samples Soil

To: SPRINGFIELD CONSULTING LTD.,
 12 Arb. Close,
 Red Deer, Alberta T4R 1E8
 ATTN: Mike Cholach

**Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.**

Page # 1

SAMPLE No.	PPM Pb	PPM Ag
<u>"Soil Samples"</u>		
W 1	41	0.5
2	250	1.1
3	30	0.5
4	23	0.6
5	105	0.7
E 6	58	0.7
7	75	0.8
8	146	0.9
9	96	0.9
10	66	0.6
11	42	0.5
12	32	0.4
13	30	0.7
14	33	0.6
C 0	46	0.8
1	38	0.9
2	34	0.8
3	34	0.8
4	36	0.6
5	83	1.0
6	37	0.6
7	117	1.2
8	310	1.0
9	360	4.0
10	58	1.5
11	14	0.7
12	720	6.0
13	22	0.9
14	75	0.7

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

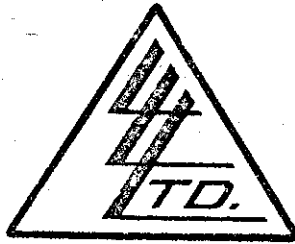
Ed McJannet
 Licensed Assayer of British Columbia

To: SPRINGFIELD CONSULTING LTD.,

12 Arb Close,

Red Deer, Alberta T4R 1E8

ATTN: Mike Cholach



File No. 19343

Date June 11, 1980

Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM Pb	PPM Ag
C 15	184	1.2
16	3400	3.6
17	46	1.1
18	530	1.6
19	158	0.8
20	95	0.6
21	420	1.2
22	130	0.5
23	54	0.7
24	38	0.6

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

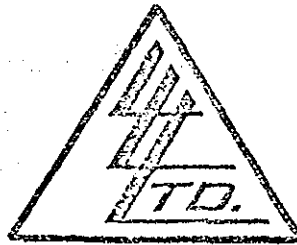
Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

E. McJannet

Licensed Assayer of British Columbia

To: F. E. Brown Holdings Limited
 6029 - 103rd Street
 EDMONTON, Alberta



File No. 20105
 Date September 9th, 1980
 Samples Soil

ATTN: FRANK BROWN

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

PAGE 1

SAMPLE No.	PPM Cu	PPM Pb	PPM Ag
<u>"Soil Samples"</u>			
2 - 1	22	18	1.2
2	32	30	0.5
3	24	45	0.1
4	16	64	0.5
5	17	104	1.0
6	20	114	1.0
7	14	80	0.8
8	18	46	1.5
9	14	98	0.8
10	11	68	0.2
11	No Sample		
12	12	78	0.5
13	14	122	1.0
14	16	116	1.0
15	12	94	1.2
16	20	900	4.2
17	24	45	1.0
18	15	68	0.5
19	15	200	1.0
20	10	150	0.5
21	26	420	2.0
22	20	44	1.0
23	18	76	0.8
24	25	34	0.5
3 - 7	19	190	2.0
8	19	118	2.0
9	10	40	1.0
10	18	62	0.5

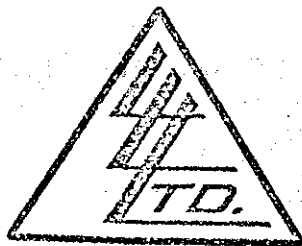
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

Edm. J. ...
 Licensed Assayer of British Columbia

To: F. E. Brown Holding Limited
 6029 - 103rd Street
 EDMONTON, Alberta

ATTN: FRANK BROWN



File No. 20105
 Date September 9th, 1980
 Samples Soil

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

PAGE 2

SAMPLE No.	PPM Cu	PPM Pb	PPM Ag
3 - 11	22	420	1.5
12	15	69	2.0
13	24	22	0.5
14	26	920	2.5
15	22	102	1.0
16	16	155	1.0
17	22	168	1.0
18	26	35	0.5
19	18	92	0.5
20	17	22	1.0
21	26	20	1.0
22	22	20	0.5
23	14	24	0.5
24	16	30	0.5

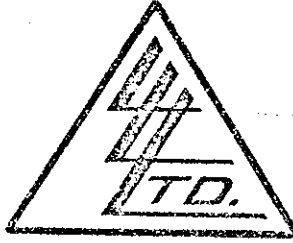
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Camel

Licensed Assayer of British Columbia

To: BROWN ENERGY INC.,
 6029 - 103rd Street,
 Edmonton, Alberta
 ATTN: Frank Brown



File No. 19712
 Date July 28, 1980
 Samples Chip

cc: M. Cholach - Red Deer, Alta.

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

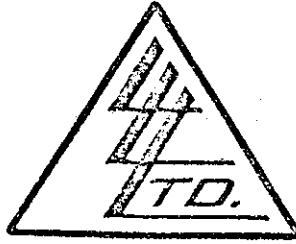
SAMPLE No.	OZ./TON SILVER	% Pb	% Zn
<u>"Chip Samples"</u>			
10007	8.02	8.37	-
10008	67.20	75.06	-
10009	.18	.66	.18
10010	.16	.20	-
10011	.04	.19	-
10012	.02	.10	-
10013	.04	.06	-
10014	.02	.06	-
* { 10015	.04	.16	-
10016	.06	.40	-
* TRENCH 3:	TRENCH WAS DEEPEMED AND RESAMPLED, SEE LORING LABORATORIES ASSAY SHEET (FILE NO. 20232, SEPT. 23, 1980 FOR SAMPLES 1, 2 AND 3)		
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>			

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

[Signature]
 Licensed Assayer of British Columbia

To: F. E. Brown Holdings Limited
 29 - 103rd Street
 MONTON, Alberta



File No. 20232
 Date September 23rd, 1980
 Samples Rock Chips

ATTN: F. BROWN

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	OZ./TON PLATINUM	% Cu	% Pb
<u>"Rock Chip Samples"</u>					
Sample # 1	Trace	.18	Trace	.01	.02
# 2	Trace	.18	Trace	.01	Trace
# 3	Trace	33.72	Trace	.05	14.13
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>					

Rejects Retained one month.

Pulps Retained one month
 unless specific arrangements

..... *admc/acc*