

MAR 19930001: NORTHEAST

Received date: May 24, 1993

Public release date: May 25, 1994

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19930001

ASSESSMENT WORK REPORT

FOR RENEWAL

AND

REFUNDABLE LAND DEPOSIT

METALLIC MINERAL EXPLORATION PERMIT NO. 6888060002

374624 Alberta Limited

Submitted by: Don Puckett

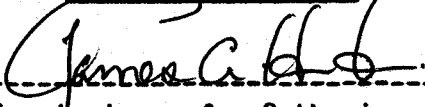
May 24, 1993

Mr. Brian Hudson
Alberta Energy

IN THE MATTER OF refundable work deposits under the metallic mineral exploration regulations 1, Don Ruckett, president of 374624 Alberta Ltd. of Box 1527, Stettler, Alberta, TOC-2LO, do solemnly declare that all information, data and assays included are in relation to the exploration work for metallic minerals done on L.S.D. 11-02-096-11 W4M. The purpose of the drilling activity was to evaluate the gold and mineral potential in or above the Precambrian. We drilled on the location of the permit, Metallic Mineral Exploration Permit No. 6888060002, collecting drill cutting samples to assess this potential. The hole was drilled to the approximate depth of nine hundred-plus feet and slightly penetrated the Precambrian. Some assays were taken from the drill cuttings to verify any mineral or metal content. All permitting and licencing was carried out by officers of the corporation. The expenditures are all in direct relationship to the metallic mineral exploration.

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 Town
of Stettler in the Province
of Alberta, this 26
day of May, A.D. 19 93


A Commissioner for Oaths in and
for the Province of Alberta


JAMES A. HUNTER
Barrister & Solicitor

Printed or stamped name of Commissioner
and date on which appointment expires

ASSESSMENT WORK FOR ELLS GOLD I

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Purpose Of Drilling Activity:

To evaluate the gold potential in the Precambrian

SUMMARY

In mid July, 1988 , 374624 Alberta Limited drilled on the location of Permit no.6888060002, just penetrating the Precambrian. Drill cuttings and a core of three inches of granite was collected and the well was plugged. The company commenced running assays to determine mineral and precious metal content. Since the concentrates of silver and arsenic increased dramatically in the granite of disseminated gold a re-entry was warranted. Two more quarters of land was leased. In October of 1990 a re-entry was made and another foot of core was recovered.

LOCATION AND ACCESS

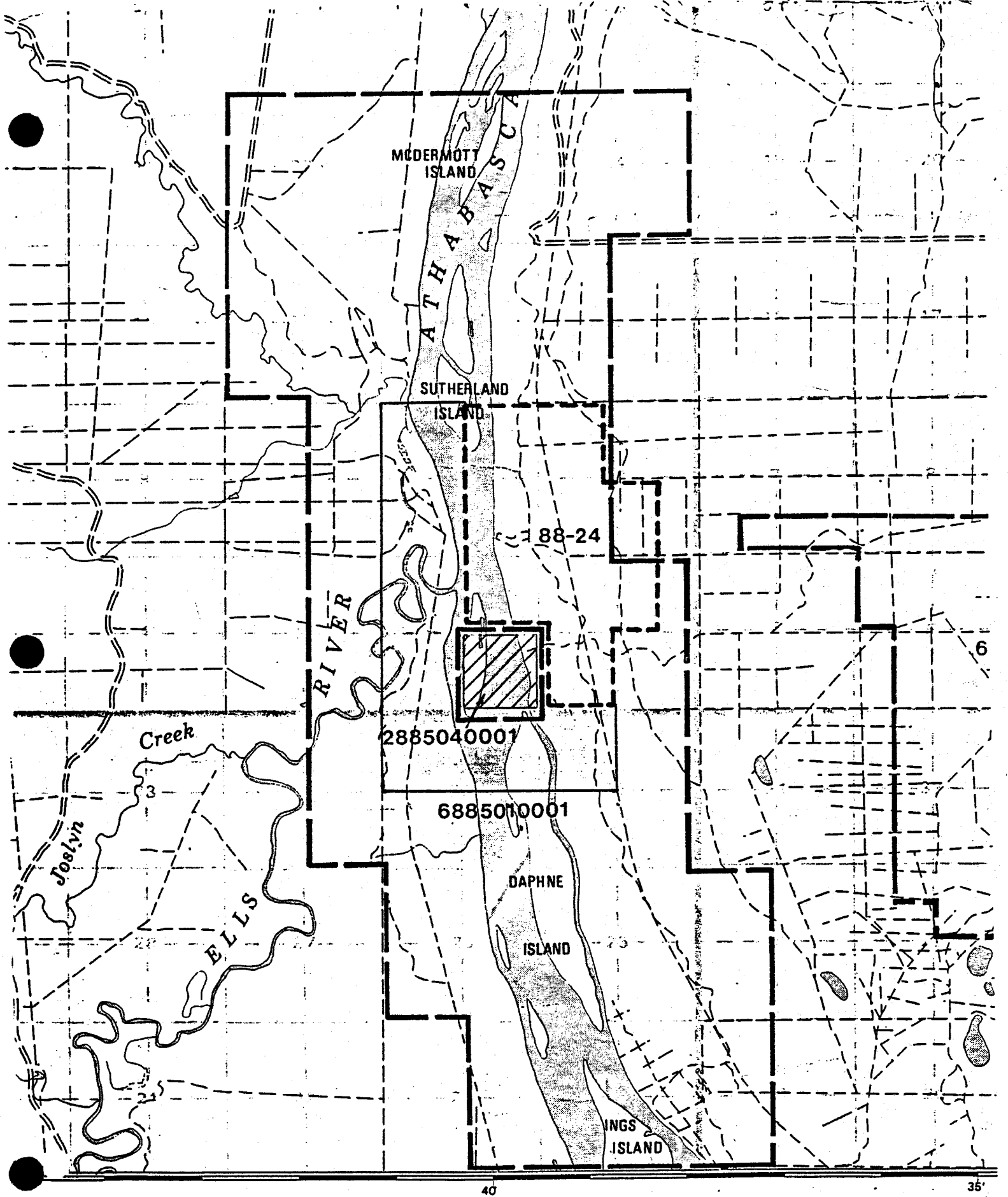
374624 Ells Gold I Atha 11-2-96-11

Surface Location - L.S.D 11-02-096-11 W4M

Surface Co-ordinates - 120.0 Metres South 175.0 Metres East

(As measured or calculated from the Exterior boundaries of the
Quarter section)

Access - Dept. of Highways Right-of-way, controlled by Forestry
Fort McKay



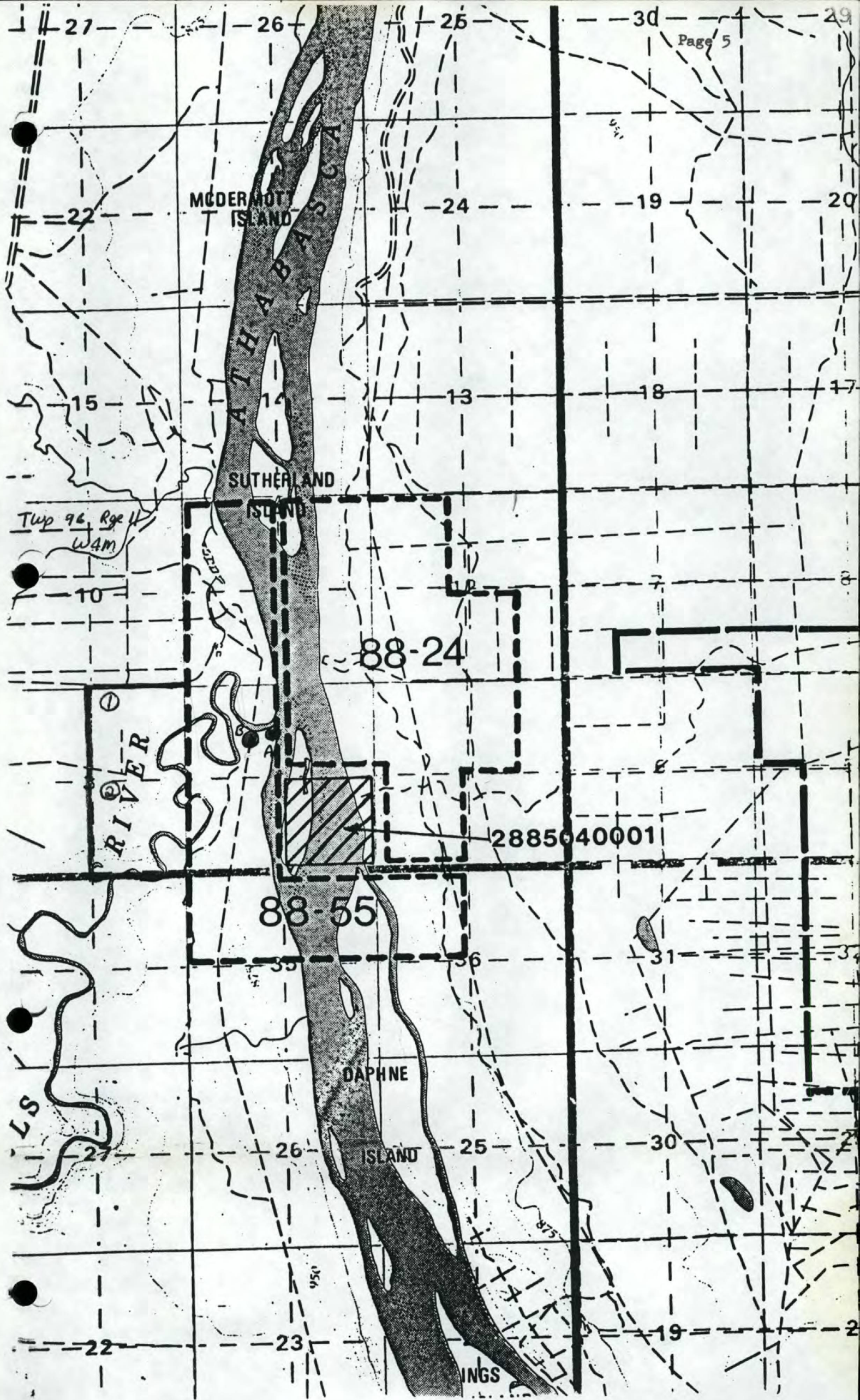
40

35'



LAND LEASED BY 374624 ALBERTA LTD.

QUARTZ MINERAL AGREEMENTS



Drilling Equipment

- 1500 Failing Rotary Drilling Rig, mounted on a 1977 Ford 3-Ton truck
- Dual wheeled pipe tub - catwalk combination trailer
- Four 360 gal. and one 210 gal. mud tank
- One 311 - 19 kw. light plant and Delco steamer, mounted in a 8x10 skid shack
- Six man tent
- Three fire extinguishers
- Gas Diverter
- Two flare lines
- 1100 ft of 2^{3/4} Failing Exploration drill pipe
- 10 ft. 3^{1/2} unmaed core barrel
- Miscellaneous handling tools and equipment
- 2^{3/4} Failing Exploration 2000 lb. stabbing valve

Drilling Procedure

- Spud with 222m bit
Drill to 10.5 meters (ground level to T.D)
- Run 177.5 surface casing 11 meters long
- Cement surface casing using Class A cement as per A.P.I specifications for oil well cementing. (Cement to surface)
- Wait 12 hrs; nipple up gas diverter system
- Drill 159 mm hole and gel chemical mud to approximately 60 meters or 5 meters past tar sands
- Run 139.7 casing liner
- Cement to surface with Class A cement as per A.P.I specifications for oil well cementing
- Wait 12 hrs drill ahead with 114 mm bit and gel chemical mud
- Possible coring between 275 m and 305 m
- Total Depth approximately 305 m the hole will be cemented T.D to surface with 1 plug done in five stages with Class A cement.

Expenditures of Ells Gold I
374624 Alta. ltd.
As of Nov. 30, 1988

Rig Repair.....	2995.46
Supplies.....	3545.53
Advertising.....	622.00
Phone Bills.....	1078.34
Liability Insurance.....	500.00
Forestry.....	1050.00
Zurich Insurance-full coverage.....	729.00
Insurance.....	859.64
E.R.C.B Licence.....	325.00
Office Expenses.....	238.90
Bulk Fuel (Rig) Light Plant (oil).....	3580.08
Camp Supplies.....	1982.16
Miscellaneous Expenses.....	180.65
Parts.....	1213.40
Trucking.....	2870.00
Equipment Purchases & Rentals.....	8894.90
Travel Expenses: Food.....	1383.35
Fuel.....	1045.69
Rooms.....	474.00
Provincial Treasurer-fee.....	450.00
Provincial Treasurer-fee.....	92.00
Provincial Treasurer-land-Securities held...	1280.00

Expenditures of Ells Gold I Re-entry
As of Nov 30, 1990

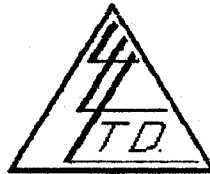
Bulk Fuel (Rig).....	321.65
Camp Supplies.....	249.12
Miscellaneous Expenses.....	94.15
Repairs & Parts.....	114.21
Trucking.....	1020.00
Equipment Purchases & Rentals.....	2317.53
Travel Expenses: Food.....	320.40
Fuel.....	494.07
Rooms.....	435.49
Assays.....	355.75

Drilling Report

- 0-42 Sand
 - 42-85 Coal & Black Shale, some Quartz sand
 Inscr Hole 85-197 Oil Sands & Quartz Stringers
 197-207 Pebbled Quartz Sand
 - 207-225 Lime } 6 min. per foot
 225-257 Lime } 60-70 RPM
 257-269 Quartz-like Shale Sharp Cuttings → Approx Vis 55
 269-298 Lime, Mud Problems, Clobbering 10 min / ft
 298-314 Quartz-like Shale Sharp Cuttings 60-65 RPM
 314-341 Quartz Sand, Lime & Shale 12 min / ft Approx
 New Bit 341-403 Lime - Vis. Constantly Rising } RPM 80
 403- More Lime, Faster Rate } Rate Approx 6 min / ft
 } Slow Rate @ 370
 -456 Fine Cuttings, Virtually No Quartz Sand
 456-485 Lime, Some Quartz
 485-495 Cut Core #1 Conglomerate Quartz, Lime
 495-577 Slow Rate of Drilling White & Gray Some Quartz
 577-587 Tan Colored Shale, Some Lime, Soft, No Quartz, Increased Rate
 587-666 White & Gray Fine Cuttings, Still lots of Lime
 666-702 White Chert & lots of Brown Shale
 702-731 Less Brown Shale & Less White Chert
 731-787 Brown Shale
 787-870 Black & Brown Shale ½ & ½
 *All Had Large Amounts of Lime to Wash Out
-
- 870-895 Reddish Lime & Brown Shale
 895-899 Flinty, Very Red Quartz-like Cutting
 899- Quartz, Lots with Pyrite Core, Very-very Slow

To: 374624 ALBERTA LTD.,
Box 1527,
Stettler, Alberta

Page 8
 File No. 32018
 Date December 9, 1988
 Samples Rock



ATTN: Larry MacGougan

Certificate of Assay LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER	PPB Au
------------	-----------------	-------------------	-----------

"Assay Analysis"

<i>*Core</i>									
277 Met	1	.032	.22					1097	
9-277	2	.002	.06					69	
250-259	3	.006	.01					206	
239-250	4	.004	.07					137	
220-239	5	.006	.03					206	
204-220	6	.002	.08					69	
Mud Tank	7	.002	.07					69	
BoP	8	.002	.05					69	
Core	9	.004	Trace					137	
148 To 151									

① FIRE

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
 are made in advance.



Assayer

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN PB SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Pulp

DATE RECEIVED: NOV 30 1988 DATE REPORT MAILED: Dec 2/88 SIGNED BY [REDACTED] . D.TOYK, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

LORING LABORATORIES LTD. PROJECT 32018 File # 88-6097

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
SAMPLE #1	4	215	31	66	.5	27	10	329	5.64	2677	5	ND	7	27	1	8	22	17	.59	.039	25	28	.39	173	.03	17	.53	.04	.13	4

*Manganese →
 garnets?
 Swamp deposit*

Core 277 meters

②

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Pulp

DATE RECEIVED: APR 11 1989

DATE REPORT MAILED: April 14/89

SIGNED BY: [REDACTED]

D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

LORING LABORATORIES LTD.

File # 89-0773

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
32018 2	1	11	5	10	.1	4	1	48	.34	54	5	ND	1	322	1	2	2	2	15.94	.003	2	2	4.51	70	.01	26	.09	.01	.05	1
32018 3	1	6	2	29	.2	2	1	57	.27	26	5	ND	1	370	1	2	2	2	18.41	.002	2	2	3.37	55	.01	20	.05	.01	.03	1
32018 4	1	7	7	5	.3	3	1	135	.21	13	5	ND	1	91	1	2	2	2	21.10	.005	2	4	9.75	94	.01	21	.07	.01	.04	1
32018 5	1	11	5	8	.2	3	1	168	.27	11	5	ND	1	225	1	2	3	5	23.63	.010	2	4	6.22	119	.01	44	.15	.01	.07	1
32018 6	2	18	21	18	.1	13	3	344	.97	12	5	ND	1	267	1	2	2	12	18.44	.019	15	11	5.64	87	.01	54	.47	.02	.21	3
32018 7	6	72	254	142	.2	52	17	433	3.38	17	5	ND	1	259	1	3	2	11	20.94	.017	8	16	4.68	82	.01	44	.33	.02	.15	131
32018 8	4	30	406	41	.2	26	9	340	1.77	16	5	ND	1	253	1	5	2	11	22.20	.018	7	15	5.39	38	.01	47	.36	.02	.16	39
32018 9	1	7	13	8	.1	5	2	33	.31	56	5	ND	1	248	1	2	2	4	17.76	.005	2	5	.67	13	.01	18	.13	.02	.05	1

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR NH FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Pulp

DATE RECEIVED: DEC 12 1988 DATE REPORT MAILED: Dec 14/88 SIGNED BY [REDACTED] D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

LORING LABORATORIES LTD. PROJECT 32030 File # 88-6233

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM
99KD #2	1	3	6	18	.1	10	3	256	.79	2	7	ND	1	220	1	2	2	4	26.54	.010	3	7	.99	37	.01	13	.21	.03	.12	1
108KD #1	1	3	8	17	.1	10	5	276	1.55	2	5	ND	3	142	1	2	2	3	15.55	.914	5	6	.36	54	.01	8	.18	.02	.10	1
121KD #2	1	4	5	35	.3	10	4	204	1.23	2	6	ND	2	129	1	2	2	3	25.70	.007	3	14	.33	76	.01	2	.08	.01	.04	2
134KD #2	1	9	2	27	.2	14	6	160	1.91	2	5	ND	2	249	1	2	2	7	17.93	.016	5	19	2.71	17	.01	19	.39	.01	.13	1
133KD #3	1	3	6	33	.1	23	6	227	1.28	6	5	ND	2	264	1	2	2	10	17.57	.017	7	19	5.01	26	.01	34	.70	.01	.25	1
146KD #2	1	4	2	26	.1	13	4	115	1.44	2	5	ND	2	576	1	2	2	3	16.63	.008	3	14	.79	20	.01	9	.15	.01	.07	1
156KD #3	1	5	4	35	.1	13	5	91	1.13	3	5	ND	1	202	1	2	2	2	15.28	.006	2	9	.28	19	.01	12	.15	.01	.06	1
167KD #1	1	10	6	43	.1	25	7	192	1.47	2	5	ND	1	191	1	2	3	6	17.97	.013	4	16	.50	18	.01	16	.34	.01	.12	1
172KD #3	1	1	2	26	.4	7	3	67	.68	2	5	ND	3	186	1	2	2	2	11.72	.004	2	6	.24	16	.01	5	.12	.01	.05	1
180KD #1	2	3	5	18	.3	6	4	74	.39	5	5	ND	1	308	1	3	2	2	20.73	.006	3	6	7.47	42	.01	37	.16	.01	.06	2
194KD #3	1	1	4	20	.1	13	3	84	.78	2	5	ND	1	479	1	2	2	1	13.33	.004	2	3	.28	17	.01	22	.07	.01	.04	1
CORE SAMPLE	1	1	2	5	.1	3	1	20	.14	2	5	ND	2	257	1	2	2	3	11.46	.003	2	4	.60	1	.01	12	.16	.03	.05	1

↑ Sr. Strontium Carbonate making ceramics
 ↑ phosphate fertilizer
 ↑ Magnesium from olivine
 ↑ alloys
 ↑ tungsten

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LORING LABORATORIES LTD.

629 BEAVERDAM ROAD N.E., CALGARY, ALBERTA T2K 4W7

TEL: (403) 274-2777

Fax: 403-275-0541

TO 374624 ALBERTA LTD.,

INVOICE 32018-1

Box 1527,

DATE April 19, 1989

Stettler, Alberta

ATTN: Don Duckett

SAMPLES

8	30 Element ICP Analysis	@	15.00	120.00
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
			TOTAL	\$ 120.00

THIS IS YOUR INVOICE, PLEASE PAY THE AMOUNT SHOWN

TERMS - 30 DAYS



LORING LABORATORIES LTD.

629 BEAVERDAM ROAD N.E., CALGARY, ALBERTA T2K 4W7

TEL: (403) 274-2777

Fax: 403-275-0541

TO374624 ALBERTA LTD.....

INVOICE 33047

.....Box 56,.....

DATEJanuary 16, 1990

.....Coronation, Alberta.....TOC 1C0.....

.....Core/Grave SAMPLES

3	Sample Preparations	@	3.75	11.25
3	Cold & Silver Assays	@	11.00	33.00
1	30 Element ICP Analysis	@	15.00	15.00
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
			TOTAL	\$ 59.25

THIS IS YOUR INVOICE, PLEASE PAY THE AMOUNT SHOWN

TERMS - 30 DAYS



LORING LABORATORIES LTD.

629 BEAVERDAM ROAD N.E., CALGARY, ALBERTA T2K 4W7

TEL: (403) 274-2777

Fax: 403-275-0541

TO MR. LARRY MACGOUGAN,

INVOICE 33379

Box 56,

DATE May 31, 1990

Coronation, Alberta

TCC 100

Sand/Grave SAMPLES

2	Sample Preparations (Bulk Samples)	@	10.00	20.00
2	Gold Assays (1 Assay Ton)	@	11.00	22.00
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
			TOTAL	\$ 42.00

THIS IS YOUR INVOICE, PLEASE PAY THE AMOUNT SHOWN

TERMS - 30 DAYS



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LORING LABORATORIES LTD.

629 BEAVERDAM ROAD N.E., CALGARY, ALBERTA T2K 4M7

TEL: (403) 274-2777

Fax: 403-275-0541

TO MR. LARRY MACGOUGAN,.....
 Box 56,.....
 Coronation, Alberta.....
 T0C 1C0.....

INVOICE 33342

DATE May 16, 1990.....

~~GRAVE 17 SAMPLER~~

2	Bulk Samples Prepared	@	10.00	20.00
4	Gold Assays	@	11.00	44.00
4	Platinum Assays	@	24.00	96.00
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
TOTAL				\$ 160.00

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TERMS - 30 DAYS

BIBLIOGRAPHY - Reference Source

**Mines and Minerals Act, METALLIC AND INDUSTRIAL MINERALS
REGULATION Pgs 15,16**