

KLYCEPTOR GEOPHYSICAL REPORT ND

No. EM-68-80
BURL CLAIMS GROUP
120° W. - 50° N.
FOR BURLINGTON MINES LTD.
APPROX. 13 MI. E. OF ASHCROFT, B.C.
NOV. 13, 1968 TO DEC. 9, 1968

BY D.L. HINGS, P. Eng.

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This is Report No. LM-68-80
for Burlington Mines Limited,
13 miles East of Ashcroft, B.C.
November 13, 1968 to December 9, 1968.

1996
PART 1

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PLANS

LM Profile

LM-68-80

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **1996 M** MAP

KLYCEPTOR INTERNATIONAL AIR SURVEYS LIMITED,
250 NORTH GROSVENOR AVENUE,
BURNABY 2, B.C.
298-9619

December 9th, 1968.

RECEPTOR GEOPHYSICAL REPORT NO. RM-68-80 COVERING THE BURL
CLAIMS FOR BURLINGTON MINES LIMITED, 50°N - 120°W, 13 MILES
EAST OF ASHCROFT, B.C. NOVEMBER 13th, 1968 TO DECEMBER 9, 1968.

Purpose:

The purpose of the reconnaissance geophysical survey was to delineate anomalies, indicative of subsurface formation and conduction variations. The geophysical survey was conducted over the BURL claims 1 to 13 inclusive. The survey was under the supervision of E. Heece and commenced November 13th, 1968 and was interpreted December 9th, 1968.

Instrumentation:

The geophysical instrument was a ground operated EM-16 Ronka type. Signals emitted on 18.6 KCS from station KPG, located at Arlington in the state of Washington, U.S.A. The bearing on the signals was approximately 200°. The horizontal component was based on a geomagnetic azimuth reference.

Geological Reference:

Department of Mines and Technical Surveys Memoir 249.
W. E. Cockfield 1961.

Presentation:

As indicated in the drawing No. EM-68-80, 12 grid lines extending generally east and west are spaced at 500 ft. intervals over a north-south distance of 6,000 feet. The east-west co-ordinates show the 0 baseline to the west extending east for approximately 4,500 feet.

Readings were taken at approximately 100 foot line intervals throughout the major portion of the survey. Some of the more anomalous areas have station spacing at 50 feet. A total of 13.5 line miles were traversed, flagged and blazed.

All readings are shown in profile form as noted on the drawing EM-68-80. The anomalous interpretation is based on the polarization and configuration of the profiles with reference to the adjacent grid lines. Conduction is indicated from related phase characteristics. The interpretation is based on the signal source originating from the south. Anomalous features indicated on the plan EM-68-80 are all in linear form. The linear features showing conductive characteristics are identified by the symbol CL. The formation strikes attributed to faulting are indicated by the symbol F. Linear anomalies largely attributed to bedding influences are indicated by the symbol L.

Results:

Generally speaking, the most anomalous area is in the southern half of the property. An east-west fault F1 appears to be associated with the largest anomalous changes.

A linear conductive anomaly CL1 intersects F1 at the co-ordinates 18+00 North and 17+00 East. Two additional parallel conductive linear anomalies CL2 and CL3 extend north and south and are west of CL1. These anomalies are not as predominant as CL1 however, CL3 is closely associated with the linear anomaly L2 which extends to the northern portion of the property intersecting the fault line F2. An additional linear anomaly L1 originating in the south at line 10+00 North follows the creek bed to line 25+00 North.

The trenching in the vicinity of 20+00 East and 15+00 North appears to be slightly south of the fault F1. West of the conductive linear anomaly CL1 and L1, trenching appears to be west and south of the indicated anomalies.

Conclusions:

The principle area of interest is indicated in the bounds of zone Z1, located between the creek beds and in the vicinity of the east-west fault F1. The west end of the fault zone F1 near the western baseline 0+00 at line 25+00 North appears to be associated with the CL3 conductive linear anomaly and L2. It would appear that these linear anomalies extend to the south into the BURL 13 claim portion, although additional readings would be needed to confirm this.

Recommendations:

The existing trenches although close to the F1 formation appear to be south of the anomalies. The open cut west of the property at 30+00 North and 8+00 West appears

to be close to a possible extension of Fl. The conductive readings are below normal throughout the major portion of the survey, however the southern areas of interest as indicated might prove more interesting with a detail survey having closer line spacing.

ELYCEPTOR INTERNATIONAL AIR SURVEYS LIMITED


D.L. Kings, P.Eng.
Geophysicist.

A STATEMENT OF COSTS FOR EM-68-80 GEOPHYSICAL SURVEY COVERING THE NURL CLAIMS EAST OF ASHCROFT, B.C. BY KLYCEPTOR INTERNATIONAL AER SURVEYS LIMITED. NOVEMBER 13, 1968 TO DECEMBER 9, 1968.

KLYCEPTOR CHARGES:

Survey Crew (3 men)

R. Reece	17 days @ 35.00
V. Mather	17 days @ 25.00
B. Walls	17 days @ 30.00

\$ 995.00
 425.00
 510.00
 1150.00

Plus 100% Overhead (Reece & Mather)

1020.00

\$2550.00

Transportations:

**Gas and repairs
1500 Miles @ .15 per mile**

\$ 229.43
225.00

\$ 348.43

Living Costs:

Food and Lodging

\$ 622.72

\$ 622.72

Data Processing & Drafting:

D.A. Gremer	6 days @ \$35.00
Plus 100% Overhead	

\$ 210.00
210.00

\$ 420.00

Interpretation & Reports:

D.L. Hings, P.Eng. 3 days @ \$75.00

\$225.00

\$ 225.00

TOTAL

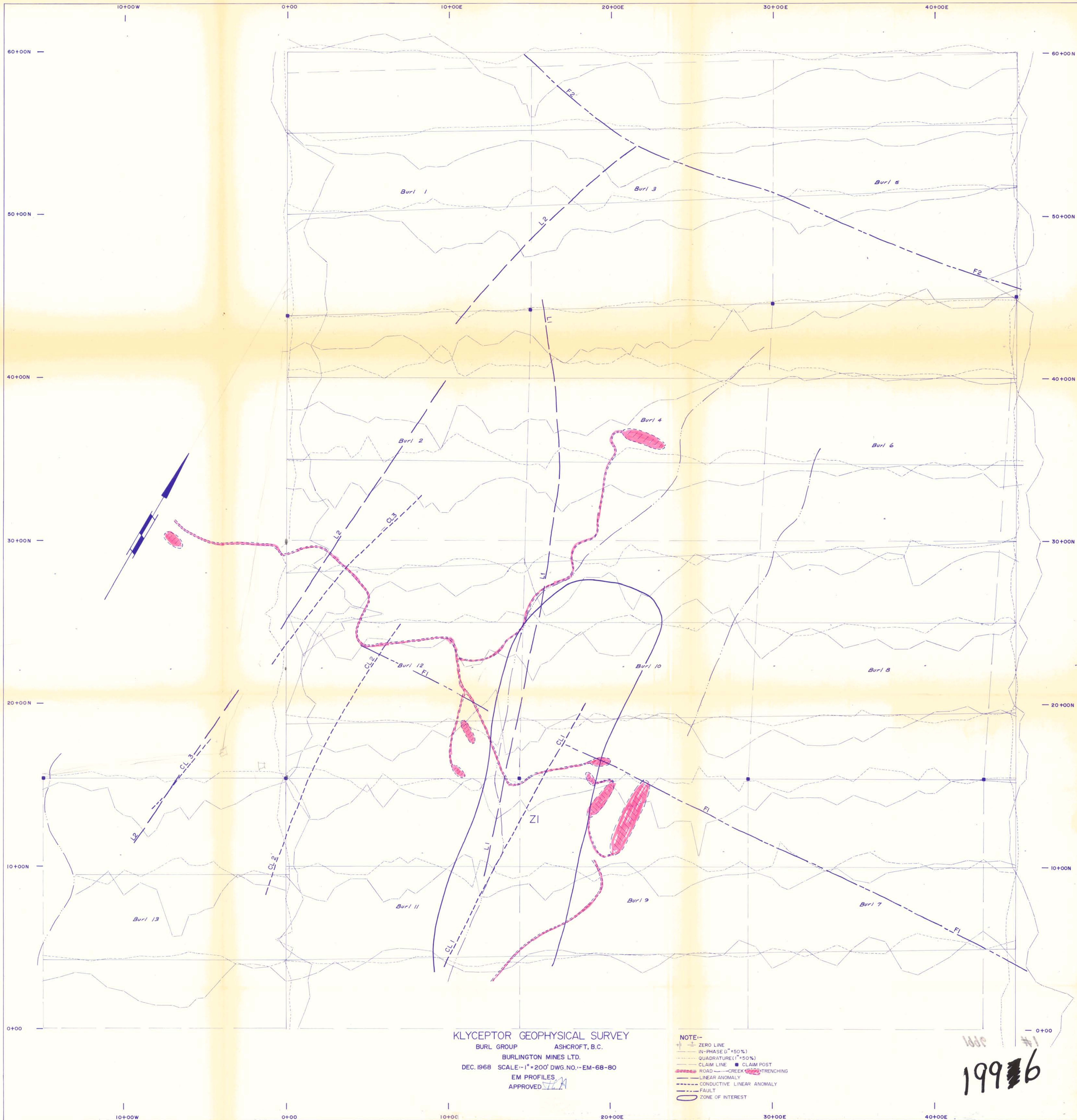
\$4,266.15

Declared before me at the *City*
 of *Vancouver*, in the
 Province of British Columbia, this *1st*
 day of *October, 1969*, A.D.

[Signature]

[Signature]
 A Commissioner for taking Affidavits within British Columbia or
 A Notary Public in and for the Province of British Columbia,

SUB - MINING RECORDER
 RECEIVED
 OCT 1 1969
 R. # 34192E \$ 301.00
 VANCOUVER, B. C.



KLYCEPTOR GEOPHYSICAL SURVEY
 BURL GROUP ASHCROFT, B.C.
 BURLINGTON MINES LTD.
 DEC. 1968 SCALE: 1" = 200' DWG. NO. 1-EM-68-80
 EM PROFILES
 APPROVED *[Signature]*

NOTE:-
 — ZERO LINE
 — IN-PHASE (1" = 50%)
 — QUADRATURE (1" = 50%)
 — CLAIM LINE ■ CLAIM POST
 — ROAD — CREEK — TRENCHING
 — LINEAR ANOMALY
 — CONDUCTIVE LINEAR ANOMALY
 — FAULT
 ○ ZONE OF INTEREST

1688 #1
 19976