

REPORT FOR

CANDEL OIL LTD.

on

ROGERS CREEK

COAL LICENCE NUMBERS

6787

6788

6789

6790

6791

N.T.S. Map Sheets 92-F-2 and 92-F-7

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M. Cholach, P. Geol., P. Eng.
Springfield Congulator Ltd GICAL BRANCH
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CONCLUSION AND RECOMMENDATIONS

The June 1981 exploration program on the Roger's Creek coal licences did not locate any coal. Two holes were drilled to depths of 45 feet (13.2 m) and 380 feet (115.9 m), respectively. Both holes bottomed in volcanic rocks and the exploration was stopped.

No further work is recommended on Coal Licence No's 6787, 6788, 6789, 6790 and 6791 and the licences should be surrendered.

LOCATION AND ACCESS

The Rogers Creek coal licences are located about three miles, or 4.5 km, east of Port Alberni. The coal licences are centered at about 49° 14' north latitude and 124° 42' west longitude ^(Fig. 1).

B.C. Highway No. 4 passes through the northern part of the coal licences. The drill holes are accessible by existing logging roads (Fig. 2).

LISTING OF COAL LICENCES

 $\label{eq:Alisting of the licences and acreages is shown in $$ $$ Table 1:$

TABLE 1: Listing of Rogers Creek Coal Licences

Licence No.	Acres	<u>Hectares</u>
6787	487	197
6788	561	227
6789	554	224
6790	482	195
6791	84	_34
	2,168	877

DESCRIPTION OF WORK PROGRAM

Coal Licence numbers 6787 to 6791 inclusive, are held by CanDel Oil Ltd. The licences were explored by CanDel on June 4, 1981.

A T-650W Chicago Pneumatic air rotary drilling rig was used. Additional drill support equipment consisted of one flat bed truck for pipe and equipment handling, and one 4 X 4 pickup for crew transportation.

The holes were geophysically logged using gamma ray, sidewall density, caliper and focused beam resistivity logs.

The exploration program was supervised by the writer.

GEOLOGY

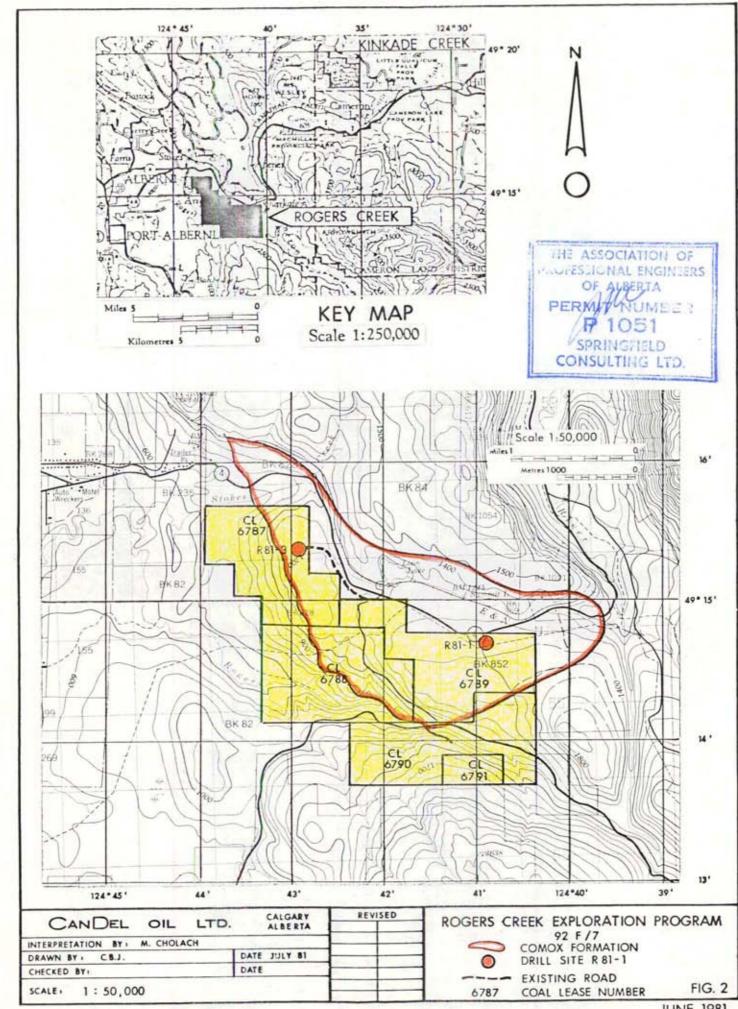
The Rogers Creek coal licences are bounded by Penn-sylvanian and older volcanic rocks to the north, east and south, (Fig. 1). To the west of the licences are shale and siltstone rocks of the Haslem Formation.

The Comox Formation consists mainly of coarse grained sandstone and conglomerate lenses. Two holes, R 81-1 and R 81-3, 13.2 m and 115.9 m deep respectively, were drilled into the Comox (Fig. 2). Hole R 81-1 intersected greenish volcanics at 11.0 m. Hole R 81-3 intersected greenish volcanics at 103.7 m.

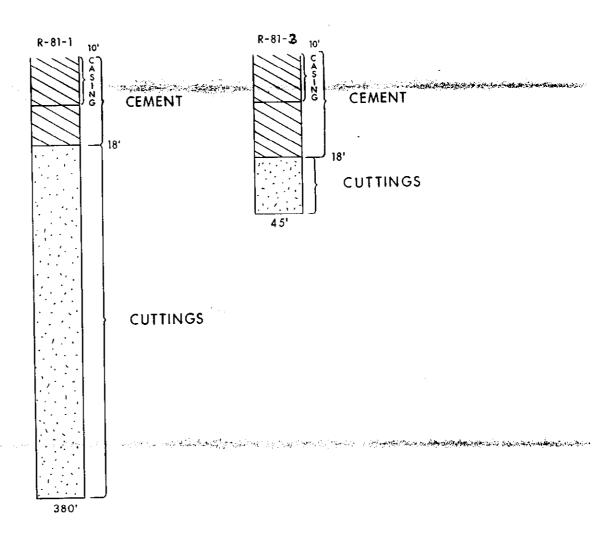
The drilling was stopped after drilling R 81-3. The drill hole summary sheets, driller's logs and geophysical logs are in Appendices A, B and C respectively.

RECLAMATION PROGRAM

The two drill holes were partially filled with cuttings and then cemented to surface, as shown in Fig. 3. The holes were drilled on existing access roads and surface disturbance was minimal.



ROGERS



THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF ALBERIA

PERMIT COLUMN TO A CONSULTING LTD.

FIG. 3: DRILL-HOLE ABANDONMENT
DATA

EXPENDITURES

A listing of the expenditures for the Rogers Creek project is shown in Table 2.

TABLE 2: Listing of Expenditures

Contractor		Expenses
Ken's Drilling Ltd.	•	\$3,422.05
Roke Oil Enterprises		567.68
Springfield Consulting		1,157.24
	TOTAL	\$5,146.97

REFERENCES

MILLER, J. E.: G.S.C. Paper 17-1968

CERTIFICATION

This will certify:

- 1. That I am a graduate of the University of Alberta, B.Sc., 1967 and M.Sc. in geology, 1969.
- Since my graduation I have continuously practised my profession in mining and exploration geology.
- 3. I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta as a Professional Geologist.
- 4. I am a member of the Association of Professional Engineers for the Yukon Territory as a Professional Engineer.
- 5. That I was employed by Tobe Mines Ltd. from May 1967 to December 1968 as a geologist at Uranium City.
- 6. That I was employed by Connaught Mines Ltd. from May 1969 to June 1970 as Resident Geologist in mineral exploration.
- 7. That I was employed by the Consolidation Coal Company as project geologist from July 1970 to July 1971; and as Manager of Canadian Exploration from August 1971 to December 1974.
- 8. That I have been a Consulting Geologist since January 1975 to the present.

Respectfully submitted,

M. S. Cholach, P. Geol., P. Eng.

APPENDIX A

Drill Hole Summary Sheets

R 81-1

R 81-3

- 9 **-**

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APPENDIX B

Driller's Logs

R 81-1

R 81-3

DRILLER'S LOG

PROJECT: Rogers Creek HOLE NO.: R 81-1 DATE: June 4, 1981

From	<u>To</u>	Thickness	Description
0	11.0	11.0	Sandstone
11.0	13.7	2.7	Green volcanic rocks

T.D. <u>13.7 m</u>

DRILLER'S LOG

PROJECT: Rogers Creek HOLE NO.: R 81-3 DATE: June 4, 1981

From	To	Thickness	Description
0	103.7	103.7	Sandstone
103.7	115.6	12.2	Green volcanics

T.D. <u>115.9 m</u>

APPENDIX C

Geophysical Logs

R 81-3

NOTE: Gamma log one metre higher than Density log.

