

Notes from John W. Scott report  
dated June 1/65

- the report is a general up-dating at request of Rexspar
- Scott was field manager at property from 1954 - 1963.
- Dr. J. W. McCammon of BC Dept of Mines examined & mapped in detail the Fluorspar area in 1963 summer
- fms are believed to be Pre Cambrian
- trachyte fm thickness up to 500' or more; deposits generally near trachyte's upper limits
- fluorspar deposit is about 4000' E1; ur. deposits are ringed around fluorspar deposit on sides & frontal slope of the ridge; all the deposits are lenticular in form & follow general strike of the fms at about N 30° E - 30° NW dip.
- history: fluorspar first stated in 1918 by A. G. McDonald.
  - prop described in Final Rept of Manitoba Resources Commission Can. 1920
  - prospected for Ag & Pb in 1926-27 & for Mn in 1929. (mentions mixture of  $CaF_2$  & celestite in the ore.)
  - ground relocated by Ole Johnson in 1942
  - claims were drilled by BC Fluorspar Syrn in 1943 & further conc. tests were made on a bulk sample by the Dept of Mines in Ottawa.
  - with Uo suspected, claims were leased by A. E. Sjogquist & associates in 1949 & much add'l grd stated.
  - prop. taken up by Tech. Mines Cons. in 1951 & Rexpar Ur & Metals Mining Co. Ltd. was formed to develop the claims.
  - Co. name later changed to present one.
  - intensive expl & devel of the ur. bodies was carried on until 1959, continuing thru transf. of control to the present majority shareholders.
  - work on the fluorspar was resumed in 1957 & cont'd to 1965; add'l diamond drilling & surf. trenching were carried out & a considerable program of flotation testing has been undertaken.

# Fluorspar Deposit

- check for fluorspar acc't in J.W. McCann's report in B.C. Minister of Mines Ann. Rept for 1963.
- ~~A~~ fairly closely spaced diamond drilling & by surf. trenching & sampling of fluorspar deposit indicates ± 1,000,000 ton av. grade 30% CaF<sub>2</sub> & can be mined from the body by open pit methods
- 55 drill holes on fluorspar. Totaling 7188 ft.
  - of this 36 holes totaling 4985' were put down in 1943 by the BC.
  - Flu. Syn under James & Buffam. EX size over 800' length
    - complete logs & sample results available but no <sup>at 150ft intervals</sup> core
  - other 19 holes by Rexspar in 1959, 7 totaling 730 ft.
    - in 1957 - 3 holes 182, 183, 154 - drilled on central part for mill samples
    - in 1962, 9 ANK holes = 1183' to document 1943 drilling
- about 2000 more ft. of drilling required - first to complete the outline of the SW extension & secondly to clarify the picture toward the NE end of the body where the fluorspar appears to be narrow due to repl. by the micaceous material mentioned in McCann's rept.
- surf. trenching & sampling of fluorspar deposit
  - many samples taken over 8 sections showed 95' av. width with 32.1% av. grade.
- fluorspar flot' in test:
  - celestite assoc'n has caused difficult conc. problem.
  - since 1957 - much testing by: Dept of Mines, Ottawa; Col. Sch. of Mines, <sup>Research Foundation</sup> <sub>University of Alberta</sub>; by the Halphen Co, Salt Lake City; & latterly by Klockner-Humboldt, Duesy, R.G. in Germany.
  - a feasible flot' in process has been developed, but fine grinding & elevated temps necessary & ∴ costs higher than normal.
  - no pilot scale testing done yet.

### - Re. U<sub>2</sub>O<sub>8</sub> deposits:

- 50,000' of D. Drilling on surface
- 2,000 ft. of underground drifting & raising
- & 8000 ft of underground d. drilling (see Plan 550-5-1)
- much work done to ~~develop~~ <sup>perfect</sup> a high-Temp - high pressure leaching process particularly adapted to Rexspar ore.
- "a contract for the sale of 2,000,000 lbs of ur. oxide was negotiated, but was not carried to completion due to difficulty in arranging financing."
- uranium bearing form is a typically black, highly micaceous & pepletic rock.
- uranium values are generally highest where the py is layered & banded, & where both py & mica are comparatively fine grained.
- ur. bearing minerals in the so-called "py-mica" form are predominately uraninite, urano-thorite, & thorite, assoc. with rutile.
- the ur. ore contains thorium in almost equal amts to U<sub>2</sub>O<sub>8</sub>, & the rare earths caesium, lanthanum, ytterbium, & yttrium are in small but appreciable quantities.

### - construction work:

- adequate system of access roads built
- components of a used aerial tramway have been purchased, overhauled, & stored on the prop. at Birch Isl.
- tramway route from the mill site to the mining area has been cleared to a width of 70 ft over its 9000 ft length. ; tramway tower sites have been levelled & access roads built to them
- 13.5 acre mill site has been cleared & graded; re spur trackage

a loading platform & small storage shed installed

- concrete foundations for a 50' x 130' bldg have been poured & test drilling for bldg foundations have been completed over full mill site area.
- water supply route from N. Thompson River has been surveyed & cleared
- Co owns a well-equipped small office bldg on prop.
- present deeded landed holdings in Birch Isl. area are fully adequate for all future requirements for housing, mill site, tailings disposal, etc.
- Water licenses & Special Use Permits for road & tramway rights-of-way have been obtained & are being maintained in good standing.

\$20.00

BC Lic. 25809

Exp. May 31, 1966.

This is what we want to stake

ANL 1-8

June 29/65

- 1) the former Lils 17, 19, & 23 on Northwest edge of Crown Grant property
- 2) the former Janes 5, 6, 10, 11, 13, & 14 and the former Mikes 1 to 14 inclusive, which are all on the west ~~and~~ and south edges of the Crown Grant property
- 3) all the ground within the following described perimeter:
  - starting at the northeast corner of Lil 15 which is approximately at 35,000 North - 25,000 East; east along 35,000 North to the railway, then east along railway to 39,000 East, then south to 27,000 North, then west to 32,000 East, then south to 20,000 North, then west to east edge of ~~the~~ old Mike claims, then north tied tight to east edge of Crown Grant held property back to Northeast corner of Lil 15.

~~4) Lils 17, 19, 23~~

4) Lots 1, 2, 3, 4, 5, 7 W & SW of Crown Grant.

\$17.50 + \$5.00 recording

5) Anls 1-8

Young 150 claims +  
sold to Montreal  
lawyer  
the Vancouverian