

NAME OF PROPERTY                      CRISTO

LOCATION

Lat. 53°44'                      Long. 119°53'40"

Mining Division    Cariboo                      District    Cariboo

County                      Township or Parish

Lot                      Concession or Range

Sec. 20                      Tp. 55                      R. 13

OWNER OR OPERATOR AND ADDRESS

Probe Mines Limited.

**DESCRIPTION OF DEPOSIT**

The property is underlain by Triassic limestones, dolomites, sandstones, and shales. The gypsum beds occur in an upper unit comprised of limestones, vuggy limestones and dolomites. The formation strikes a few degrees west of north and dips about 30° west. The principal exposure of the gypsum unit is reported to be triangular in shape extending 1,000 yards in a northwesterly direction and about 180 yards in a northeasterly direction. Four separate gypsum beds ranging from 10 to 30 feet in thickness are reported locally.

Excluding dolomite and limestone of probable evaporitic origin, gypsum is the only evaporite evident in the deposit. No anhydrite was observed in either hand specimen or thin section. The quality and character of the gypsum appears, from field evidence, to be remarkably constant; the major variation is between a massive type and a laminated or banded type. The laminated variety shows individual laminations from 3 to 6 mm. thick which do not normally persist laterally for more than several inches. The remarkable

p.t.o. ....

Associated minerals or products of value

**HISTORY OF EXPLORATION AND DEVELOPMENT**

The deposit is located at elevations of 6,500 to 7,000 feet straddling the Alberta-British Columbia boundary between eastward flowing Sheep and Fetherstonhaugh Creeks and westward flowing Forgetmenot Creek.

The deposit was first reported in 1956 by G.L. Henderson and was examined by the Research Council of Alberta in 1959. The Cristo group of 13 claims was staked on the showings in March 1961 for M.C. McLeod, who in April 1961 incorporated Mountain Gypsum Limited. Eight of the original claims were subsequently abandoned; the claims were recorded in British Columbia.

Domtar Construction Materials Ltd. in 1967 acquired exploration rights covering Township 55, Range 13, in Alberta, and staked the Feather group adjoining the Cristo claims to the west in British Columbia. Diamond drilling was reported by the company. Part of the ground held by Domtar was acquired by Mountain Gypsum in 1969 through a 21 year lease from the Province of Alberta, covering Section 20, Township 55, Range 13.

Probe Mines Limited acquired the property from Mountain Gypsum through an agreement dated September 1968.

508124 \*

## HISTORY OF PRODUCTION

## REFERENCES

Govett, G.J.S.; Occurrence and Stratigraphy of Some Gypsum and Anhydrite Deposits in Alberta; Research Council of Alberta, Bulletin No. 7, pp. 11-15.

Mineral Resources Branch; Corporation Files: "Probe Mines Limited".

## MAP REFERENCES

\*Map 83 E/12 W, Pauline Creek, (Topo.), Sc. 1:50,000.

## DESCRIPTION OF DEPOSIT (continued)

uniformity and high quality of the gypsum was confirmed by chemical analysis.

NOV 1972