

NAME OF PROPERTY ATLAS, ADR, RJF

OBJECT LOCATED - from descriptive data.

UNCERTAINTY IN METRES 1,200. Lat. 50°55'20" Long. 116°58'10"

Mining Division Golden District  
 County Township or Parish  
 Lot Concession or Range  
 Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The claims are underlain by argillite, quartzite and limestone of the Proterozoic Horsethief Creek Group. The Atlas group showings were described in 1966 as follows:  
 "The rocks exposed at the showings are dark-grey slates and grey to light brownish-grey micaceous quartzites. The slates are pyritic, and the quartzites contain rusty iron carbonates.  
 The showings consist of half a dozen scattered occurrences of gossan or galena, sphalerite, and pyrite in both the slates and the quartzites. The zones of gossan are mainly in slates, range from 2 to 4 feet wide, and are parallel to the cleavage. The sulphides are mainly in the quartzites. One showing consists of massive galena, minor pyrite, and sphalerite along a series of fractures in the quartzite that strike 120 to 125 degrees and dip steeply. They form a lens of sulphides 1 to 2 feet thick and several feet long more or less parallel to a bed of quartzite on the northeast limb of a small syncline. A sample from this lens assayed: gold, trace; silver, 4.5 ounces per ton; lead, 5.25%; zinc, 1.3%. Another showing 300 feet to the southwest contains galena and minor sphalerite and pyrite disseminated in quartzite. The sulphide zone is irregular and poorly defined and is well mineralized over widths up to 5 feet."  
 The showings on the ADR group, as described in Geology, Exploration, and Mining, 1970, comprise two quartz veins containing argentiferous galena and chalcopyrite.

Associated minerals or products of value - Silver, zinc, copper.

HISTORY OF EXPLORATION AND DEVELOPMENT

The showings are located at elevations of 5,800 to 6,500 feet on the north side of Crystal Creek, between Vermont and Crystalline Creeks, some 25 miles south of Golden.  
 Showings in this vicinity were reported as early as 1890 and an adit was driven 40 feet on one of these in 1891. Showings at the 5,800 foot elevation were discovered by R. Renn of Calgary in 1965 and staked as the Atlas group. Purcell Range Mines Limited optioned the property in 1966 and carried out bulldozer stripping and diamond drilling in 2 short holes.  
 Messrs. R. Renn and J.S. Adamson apparently acquired Medesto Oils Ltd. The company name was changed to Medesto Exploration Ltd. in 1967. Additional staking was subsequently carried out in the ADR, RJR, BR, RR, and ML groups. Work by the company on the ADR 1-21 claims, owned by Adamson, during the period 1968-1971 inclusive included trenching and diamond drilling in 2 holes, totalling 432 feet. On the RJF 1-11 claims, located at the 6,500 foot elevation, trenching was carried out in 1972. The property comprised 50 claims in the BR, RR, ML, and RJR groups in 1974. Work during the year included geological mapping, a geochemical soil survey (901 samples) over 7.2 line-kilometres, and 80 metres of diamond drilling in 4 holes on RR 1, 2, 21.  
 In 1982 the property was explored under a joint venture agreement between Cochrane Oil & Gas Ltd, BlueSky Oil & Gas Ltd and Ruth Vermont Mine Ltd. Work included magnetometer, electromagnetic and self potential surveys and diamond drilling.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia:  
1890, p. 374; 1891, p. 568; 1966, p. 236 + ; 1968,  
p. 265.

Geology, Exploration, and Mining; British Columbia Dept.  
of Mines: 1969, p. 342; 1970, p. 467; 1971, p. 429;  
1972, p. 78; 1975, p. E-49.

Mineral Policy Sector; Corporation Files: "Medesto  
Exploration Ltd."; "BlueSky Oil & Gas Ltd"; "Cochrane  
Oil & Gas Ltd".

Exploration in British Columbia; British Columbia Dept.  
of Mines: 1982, p. 99.

MAP REFERENCES

Map 12-1957, Lardeau, (East Half), (Geol.), Sc. 1":4 miles,  
Geol. Surv. of Canada.

\*Map 82 K/15, Bugaboo Creek, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	3-78	02-86					

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