NAME OF PROPERTY  | WILLOW & JOHNSEN CREEKS  
OBJECT LOCATED - area drilled during 1946-1951.  
UNCERTAINTY IN METRES  | 500. Lat. 55°34'40" Long. 122°11'30"
Mining Division  | Liard  
District  | Peace River  
 County  |  
 Township or Parish  |  
 Lot  | Concession or Range  
 Sec  | Tp. R.  

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT
Coal occurs within a moderately to tightly folded and faulted belt of Lower Cretaceous Gething Formation situated on the northeast limb of the Pine River anticline. The Gething formation consists of about 3,000 feet of shales, siltstones, sandstones and coal seams. The principal coal seams occur in the upper 1,000 feet and lower 400 feet of the Gething. Nine coal seams were found which showed commercial thicknesses in part. They are lenticular, discontinuous, and show considerable variations in stratigraphic depths along individual seams. The coal is ranked as low to medium volatile bituminous.

HISTORY OF EXPLORATION AND DEVELOPMENT
The coal area is located at the headwaters of Willow and Johnsen Creeks on the south side of the Pine River 35 miles south-southwest of Hudson Hope.

The coal area was explored during the 1946 to 1951 field seasons by the Coal Division of the British Columbia Dept. of Lands and Forests to provide an estimate of tonnage of mineable coal that might be available contiguous to a proposed extension of the Pacific Great Eastern Railroad. The project included considerable trenching and 25,447 feet of drilling in 41 holes on Willow Creek. Based on this work reserves in the Willow Creek area were estimated at 23,800,000 short tons recoverable coal.

Pan Ocean Oil Corporation, through its subsidiary Pan Ocean Oil Ltd., acquired coal leases 2686 to 2752 in this vicinity. An option to earn a 60% interest in the property was given to Pine Pass Development Ltd. Exploration including drilling began early in 1973. Five holes totalling 3,321 feet were drilled on CL Nos. 2738, 2740, and 2741.
REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1973, p. 587.


Mineral Development Sector; Corporation Files: "Pan Ocean Oil Corporation".

IAP REFERENCES

Map 11-1961, Pine Pass, (Geol.), Sc. 1":4 miles.

Preliminary Map 44-7 A, Hasler Creek Coal Area, (Geol.), Sc. 1":4 mile – accomp. Paper 44-7, Geol. Surv. Canada.

Willow Creek Area, (Geol.), Sc. 1":800 ft., Fig. 7 – accomp. Bulletin 36, B.C. Dept. of Mines.

Map 974 A, Mount Hulcross, (Topo.), Sc. 1:50,000 (1944).

Geological Map of the Pine Valley Area, Sc. 1":1 mile, Fig. 2 – accomp. Bulletin 52, British Columbia Dept. of Mines, 1967.

EMARKS

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