

MAR 19640005: SWIFT CREEK

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19640005
ECONOMIC MINERALS
FILE REPORT No.
FE-AF-025 (01)

IRON PROSPECTING PERMIT

NO. 25

FINAL REPORT

Edmonton, Alberta
May 15th, 1964

N.S. Edgar, P.Eng.

IRON ORE PROSPECTING PERMIT No. 25

FINAL REPORT

Description of Program:

Three holes were drilled within this permit area. This work was done early in the year 1963.

A plan marked "Appendix A" is included with this report and shows locations of these drill holes. Logs of these holes also accompany this report.

↳ Refer to map labeled #1.

Discussion of Drilling Results:

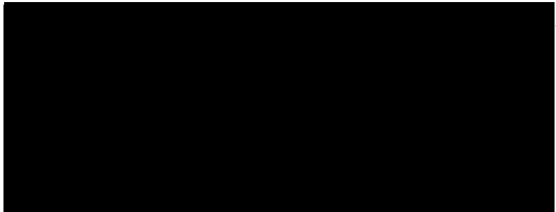
Drilling results were disappointing. Some iron ore is present within this area but areal extent is small and topography is extremely rugged and such ore as is present is, in general, covered too deeply with overburden to be of economic interest.

A total of \$1,415.50 was expended on this permit. This figure includes costs of drilling and metallurgical test work.

Conclusion:

This Permit area does not warrant further expenditures at this time and, accordingly, it is recommended that it should be terminated.

Edmonton, Alberta
May 15th, 1964



N.S. Edgar, P. Eng.

Location: S. W. Corner
3-34-85-2W6 Elevation Top: _____ Depth: 220' Page No. 1Elevation: 2770 Inclination: 90° Date Completed: 2 March '63

Drill Core		Description	Samples		Description
From	To		From	To	
0	3'	Orange brown clay			
3'	10'	Brown surface clay			
10'	27'	Bright orange & yellow clay shale			
27'		Thin bed of water sand, add bran			
27'	55'	Bright orange & yellow clay shale			
55'	57'	Interbeds of hard silt shale & grey gritty hard shale			
57'	76'	Grey gritty, hard clay shale			
76'	187'	Hard bentonitic clay shales (Spoil from bit goes into suspension in water)			
187'		3" white bentonite			
187'	190'	Hard gritty grey shale			
190'	220'	Hard clay shale at 207' A thin bed of bentonite			
		Bottom of hole at 220' elev. 2550			

Location: S.E. Corner of LSD
11-13=86-2W6 Elevation Top: 2610.5' Depth: 78 Page No. 1
 Elevation: 2675 Inclination: 90° Date Completed: 1 March '63

Drill Core		Description	Samples		Description
From	To		From	To	
0'	15'	Tan to brown surface clays	66.5'	72.9'	Dark grey black, densely oolitic ore, not oxidized
15'	54'	Glacial till			
54'		<u>Bedrock</u> elev. 2621	72.9'	73.0'	Dark blue sandstone with rare oolites.
54'	63.5'	Soft grey clay shale	73.0'	73.6'	No recovery, very soft
63.5'	64.5'	Blue green silty sandstone. Much silica, soft with rare oolites	73.6'	74.4'	Hard dark grey gritty shale
64.5'		Top of ore 2610.5	74.4'	END	Soft grey clay shales
64.5'	66.5'	Cored and sludge sampled - no recovery, but confident this is ore.			
66.5'	73'	Cored 100% recovery			
73'	78'	Cored 1.4' recovered (30%)			
		Bottom of hole at 78' elev. 2597			

LOG OF DRILL HOLE NO. 63-3

Location: 13-15-86-2-W6M Elevation Top: 2594 Depth: 60' Page No. 1

Elevation: 2640 Inclination: 90° Date Completed: 17 February '63

Drill Core		Description	Samples		Description
From	To		From	To	
0'	8'	Sand and gravel			Sludge samples 1' x 1'
8'	19'	Surface clay			
19'	26'	Sand and fine gravel			
26'		<u>Bedrock</u> elev. 2614			
26'	44'	Clay shale			
44'	46'	Harder clay shale			
46'	51'	Top of zone, elev. 2594 Bottom of zone, <u>elev. 2589</u> Thickness 5' <u>NO T</u> ore; 90% Silica sand grains with 10% rust & sparse to rare oolites.			
51'	57'	Blue impure silty sandstone			
57'	60'	Greasy, gritty, clay shale			

RG. 3

RG. 2W6

RG. 1

Form 168

86 TP.

TP.86

85 TP.

TP.85

APPENDIX 'A'

IRON ORE PROSPECTING PERMIT NO 25

SCALE 1" = 1 MILE

DRILL HOLES ○ IN ORE ⊘ NO ORE

P. King

SEISMIC LINE

LOGGING ROAD

