

MAR 19770007: DIXONVILLE

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1976-77 Exploration Report on Permit No. 198

Parts of the area covered by Permit 198 have offered some encouragement. There is evidence of late geological sorting which could provide favourable conditions for a higher Al content.

Map. No. 3A shows a marl bed up to 3½' thick and quite clean; it could grade around 94% to 96% Ca. Although this is morine marl, which to a considerable extent is made up of calcium rich morine life, the calcium did come from calcium rich water circulating or trapped in the area. Also far above average are deposits of rewash with an iron content of 10% to possibly much higher. In addition north-west of this Permit, on Permit No. 6896120001, clay has been observed which contains 80% Si, as compared with 55% in the original, before reworking.

We conclude that considerably more work should be done on this Permit. We propose to do some deeper drilling on Section 1-2-11 and 12, Township 87-Range 24-W5; also Sections 30 and 31 T.86-23-W6.

See Maps 2A and 3A for details.

Even though we were not searching for marl under our Bauxite exploration program, we have nevertheless recorded all our findings regarding the marl on Section 31. This is on privately-owned land on which we are preparing to proceed to production, provided it is economically favourable.

The overburden on the marl being 3' to 4' has possibilities as a brick clay if and when it could be utilized. The overburden apart from the 6" of top soil contains 15% to 17% Al₂O₃, 56% to 66% Si O₂ and 3% to 7% Fe₂O₃ with low CaO and Na₂O. It fires to a good commercial color and has a fusion resistance of 2600° F.

We propose to renew this permit and proceed with a more extensive exploration program in June and July.

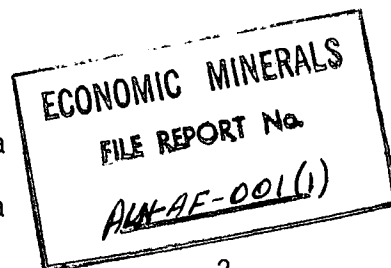
Nature of work under our 1976 work program was composed of prospecting and reconnaissance after which 24 holes were drilled to a depth of 6' to 10' using a two man hand drill.

Also several pits were dug to 6' and later filled and levelled to the original state.

Work on this Permit was done by:

Geo. T. Roos
G. W. Lillico
Don Moore
C. C. Bevan

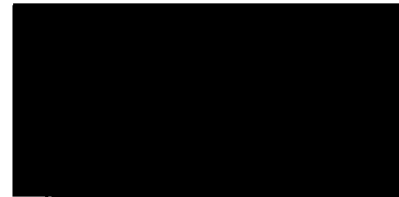
Ponoka, Alberta
Drayton Valley, Alberta
Peace River, Alberta
R.R. 2, Millet, Alberta



Report on Permit No. 198 (continued)

Cost of the project was:

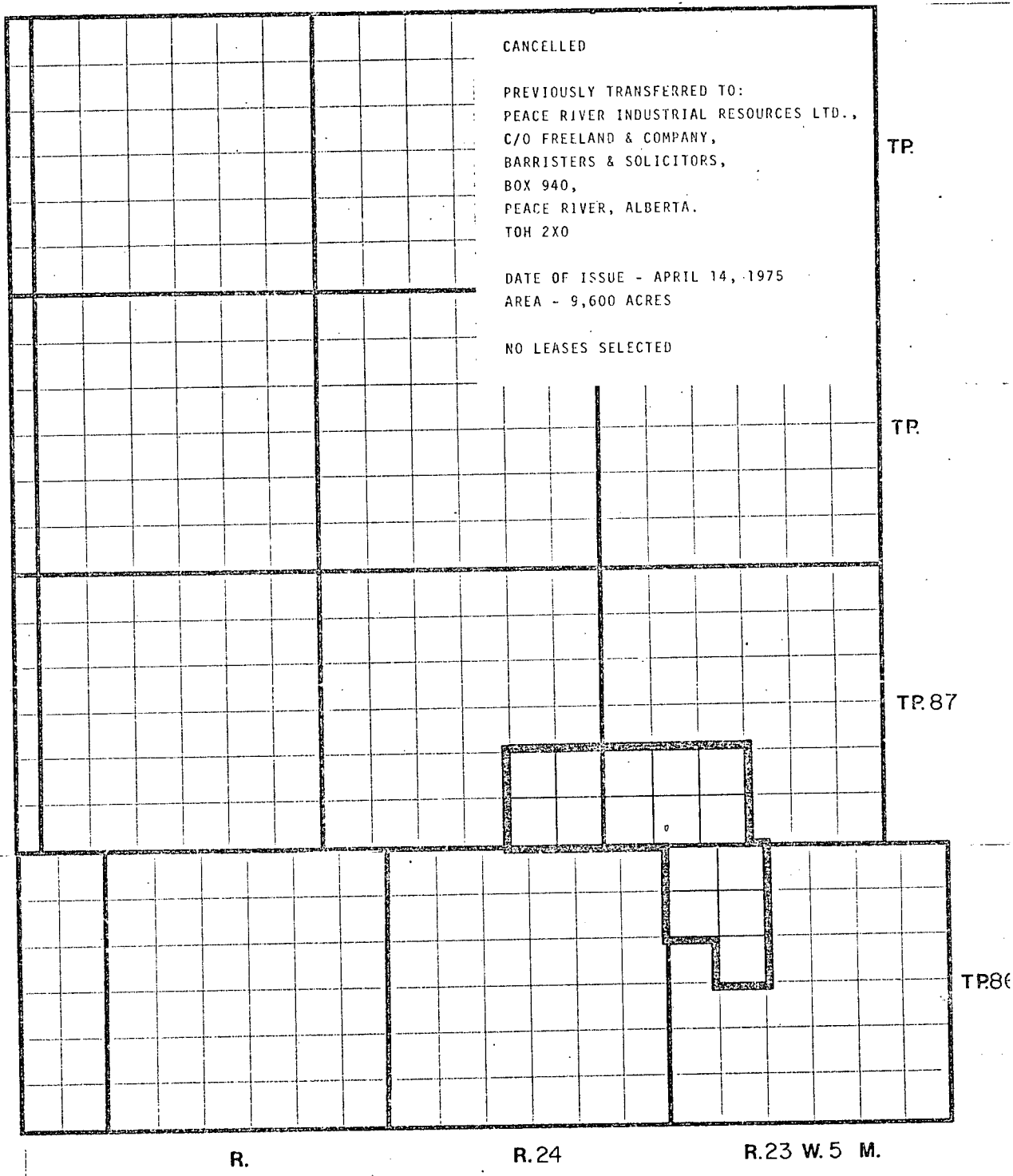
Wages	\$6,605.00
Tools and repairs	292.00
Camp and supplies	646.30
Hotel	210.00
Travel	990.00
Assays and research	479.50
Administration	500.00
	<hr/>
	\$10,722.80
	<hr/> <hr/>



C. C. Bevan

19770007

QUARTZ MINERAL EXPLORATION PERMIT NO. 198



QUARTZ MINERAL EXPLORATION
 PERMIT NO'S. 197 AND 198 SHOWN THUS
 PERMIT APPLICATIONS MARKED
 DRILL SITES MARKED ○
 PERMIT APPLS. APPROVED
 NO'S. 6876080003 AND 6876080004
 MAP 2A

SCALE 1" = 1 MILE C.C. BEVAN



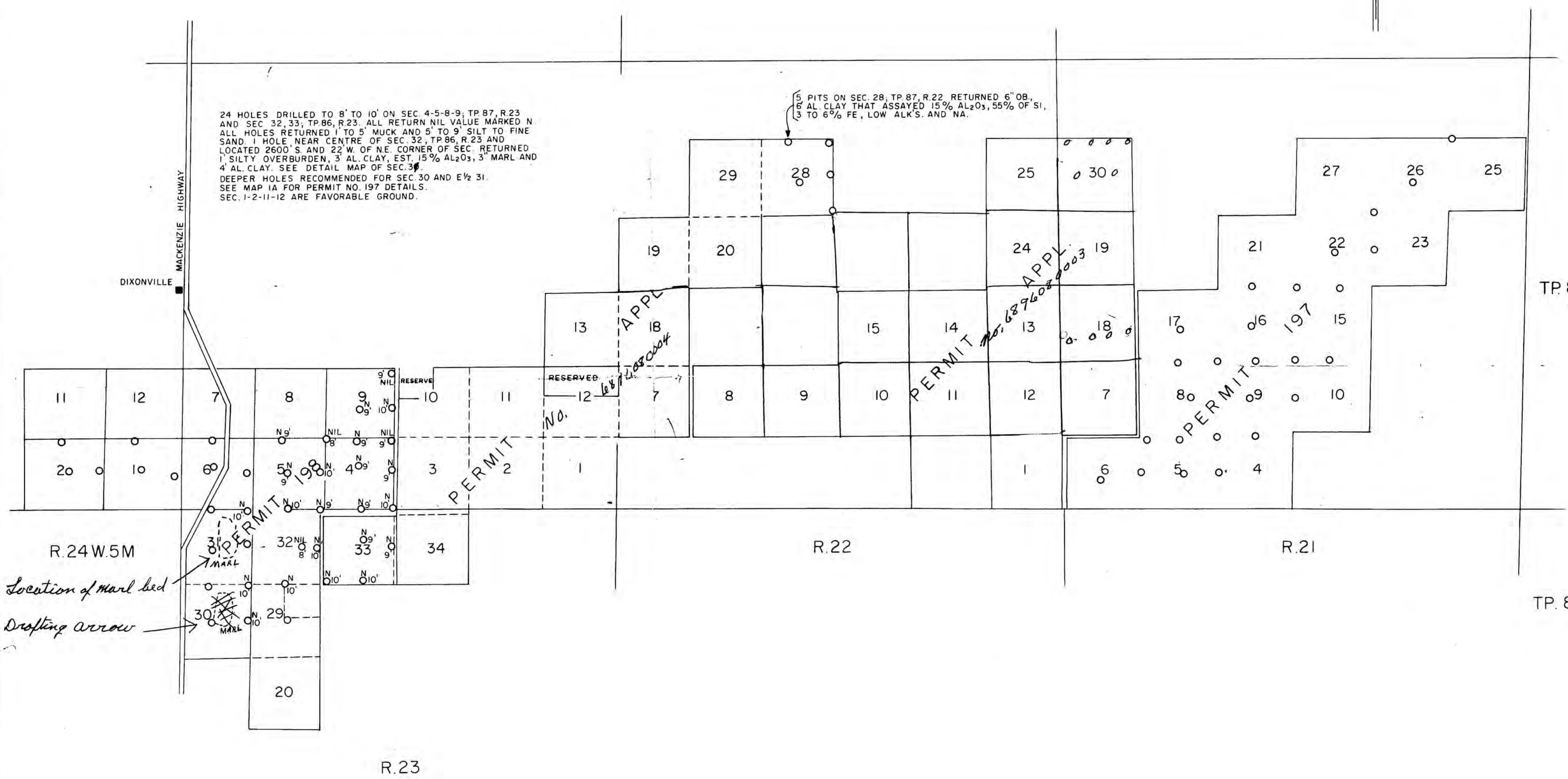
TP. 88




TP. 87

TP. 86

24 HOLES DRILLED TO 8' TO 10' ON SEC. 4-5-8-9; TP. 87, R.23 AND SEC. 32, 33; TP. 86, R.23. ALL RETURN NIL VALUE MARKED N ALL HOLES RETURNED 1' TO 5' MUCK AND 5' TO 9' SILT TO FINE SAND. 1 HOLE NEAR CENTRE OF SEC. 32, TP. 86, R.23 AND LOCATED 2600' S. AND 22' W. OF N.E. CORNER OF SEC. RETURNED 1' SILTY OVERBURDEN, 3' AL. CLAY, EST. 15% AL₂O₃, 3' MARL AND 4' AL. CLAY. SEE DETAIL MAP OF SEC. 32.
 DEEPER HOLES RECOMMENDED FOR SEC. 30 AND E 1/2 31.
 SEE MAP 1A FOR PERMIT NO. 197 DETAILS.
 SEC. 1-2-11-12 ARE FAVORABLE GROUND.

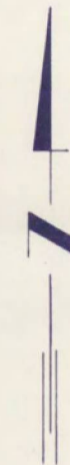
5 PITS ON SEC. 28, TP. 87, R.22. RETURNED 6" OB., 6' AL. CLAY THAT ASSAYED 15% AL₂O₃, 55% OF 'SI', 3 TO 6% FE, LOW ALK'S. AND NA.




QUARTZ MINERAL EXPLORATION
 PERMIT NO'S. 197 AND 198 SHOWN THUS 
 PERMIT APPLICATIONS MARKED 
 DRILL SITES MARKED 
 PERMIT APPLS. APPROVED
 NO'S. 6876080003 AND 6876080004
 MAP 2A

SCALE 1" = 1 MILE

C.C. BEVAN

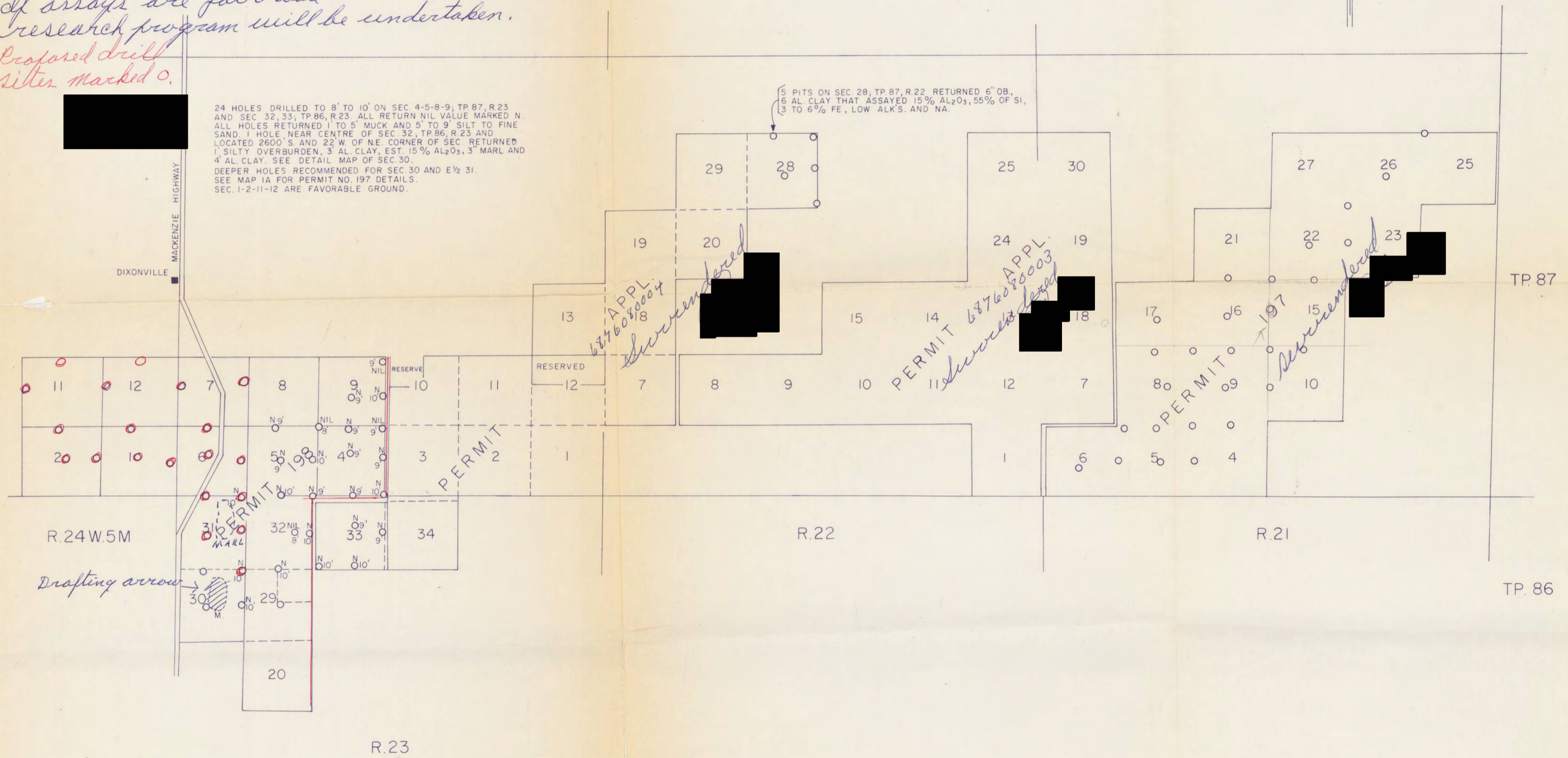


*Proposed Exploration for 1977
 To consist of drilling 20 holes or more
 to a depth of not less 30' to possibly 60'
 If assays are favorable an extensive
 research program will be undertaken.*

*Proposed drill
 sites marked .*

24 HOLES DRILLED TO 8' TO 10' ON SEC. 4-5-8-9, TP. 87, R. 23 AND SEC. 32, 33, TP. 86, R. 23. ALL RETURN NIL VALUE MARKED N. ALL HOLES RETURNED 1' TO 5' MUCK AND 5' TO 9' SILT TO FINE SAND. 1 HOLE NEAR CENTRE OF SEC. 32, TP. 86, R. 23 AND LOCATED 2600' S. AND 22' W. OF N.E. CORNER OF SEC. RETURNED 1' SILTY OVERBURDEN, 3' AL. CLAY, EST. 15% AL₂O₃, 3' MARL AND 4' AL. CLAY. SEE DETAIL MAP OF SEC. 30. DEEPER HOLES RECOMMENDED FOR SEC. 30 AND E 1/2 31. SEE MAP 1A FOR PERMIT NO. 197 DETAILS. SEC. 1-2-11-12 ARE FAVORABLE GROUND.

5 PITS ON SEC. 28, TP. 87, R. 22 RETURNED 6" OB, 6' AL. CLAY THAT ASSAYED 15% AL₂O₃, 55% OF SI, 3 TO 6% FE, LOW ALK'S. AND NA.

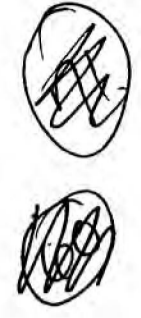


TP. 88

TP. 87

TP. 86

59



MARL

6
TP.87, R.23 W.5M.

TP.87

D.H. 10A
MUCH SILT 8'
TRACE M. AT 3'

D.H. 8A
400'
G.D. AND SILT
Glacial drift

H. 8A
SILT 8'

CORRECTION LINE

PERMIT NO. 198
SEC. 31-86-23-W.5M
MAP NO. 3A
SCALE 1" = 400'

LEGEND

- DRILL HOLE
- ⊗ DRILL HOLE LOCATION NIL
- MARL - M
- - - POTENTIAL GROUND

- DRILL HOLE 1 RIVER SILT 7'
- D.H. 2 7' RIVER BED SILT
- D.H. 3 7' RIVER BED SILT
- D.H. 4 1' SOIL, 3' AL. CLAY, 3.5' MARL, AL. CLAY TOTAL 7.5'
- D.H. 5 1' SOIL, 6' AL. CLAY, EST. 8% FE TOTAL 7'
- D.H. 6 7' SOIL, 2.5' AL., 2.5' M., AL. CLAY TOTAL 6'
- D.H. 7 1' SOIL, 3.2' AL. CLAY, 2.5' M., AL. CLAY TOTAL 7'
- D.H. 8 1' SOIL, 3.2' AL. CLAY, 1' M., AL. CLAY TOTAL 6'
- D.H. 9 6' SOIL, 6.4' CLAY NOT TESTED TOTAL 7'
- D.H. 1A 8' T. SOIL, 3.3' AC., 2' M., WELL SORTED SAND
- D.H. 2A 1' TS., 2.5' AC., 2.5' M., AC
- D.H. 3A 1.5' TS., 2.5' M. RAN INTO A STONE
- D.H. 4A 5 TS., 3.5' AC., 2.7' M., SAND TO 9'
- D.H. 5A 1' TS., 3.5' AC., 1.5' M., BLUE CLAY
- D.H. 6A 1' TS., 3.5' AC., 1.5' M. 3' AC. ?

WHITEMUD R

GREAT SLAVE RY

31
TP.86, R.23 W.5M

TP.86

R.23

