



31M13SE0017 14 PENSE

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PENSE TOWNSHIP REPORT #14

This file contains work performed by G. J. Gereghty on
claim:

L. 104662

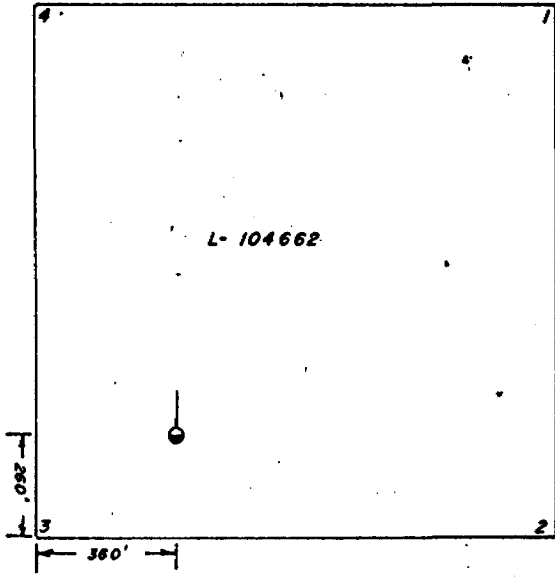
Hole #13;

April, 1970

88/70

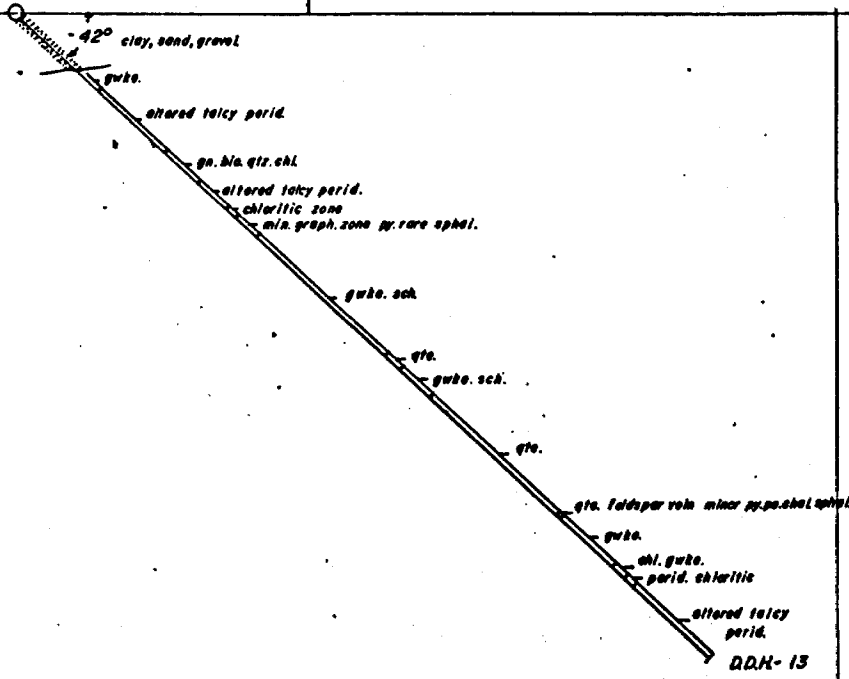
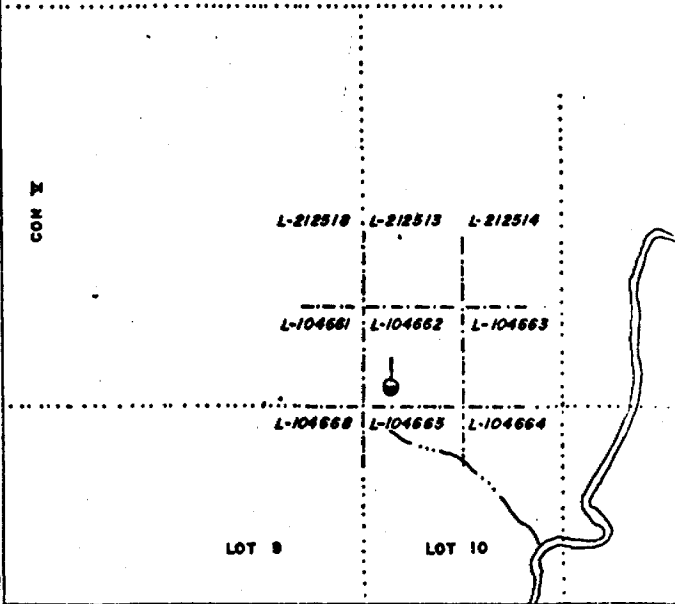
Location of D.D.H.-13 on Claim L-104662

SCALE 1" = 800'



PENSE TWP.

SCALE 2" = 1 MILE



14W SECTION

SCALE 1" = 100'

100'
200'
300'
400'

#88170 Pense Twp
B. J. Grogan

Drill Hole Log

Property Anomaly #10 East at Pense Twp. Hole Number 13 Length 482 ft.
 Claim No. L 104662 Co-ords. 14W -87+80N Dip -42 $\frac{1}{2}$ Bearing due north Elev. Collar _____
 Drilled By Barron Diamond Drilling Co. Started Apr. 24/70 Date Completed April 27/70
 Logged By G.J. Cereghy Date Logged May 1 & 4/70

From	To	Description	Sam. No.	Length	Assay
0	39	OVERBURDEN clay, gravel, sand and boulders.			
0	43	CASING core was deliberately ground from 39'-43' to seat casing.			
43	56.8	GREYWACKE & QUARTZITE greyish green to dark grey medium to coarse grained and considerably altered due to thin finger-like intrusions of altered greyish green peridotite. Bedding of these sediments in 60o to core and an occasional $\frac{1}{4}$ " quartz-calcite stringer occurs along bedding planes. Other quartz-calcite filled fractures $\frac{1}{8}$ " wide at 40o to core. Considerable brown biotite throughout and narrow zones of weak mineralization pyrite and pyrrhotite.			
56.8	104.5	PERIDOTITE altered talcy generally light green to bluish green, however, narrow zones rich in biotite are brownish green. Upper contact is fairly sharp but cannot be measured due to narrow zone of crushed core. Core is rather blotchy looking and in some narrow zones very spotted due to rounded blebs $\frac{1}{8}$ " - 1" of cream coloured quartz-calcite-feldspar. Numerous fractures at various angles but primarily 45o-55o to core and most of these fractures are filled with inconsistent stringers with poorly defined edges composed of quartz - calcite-feldspar. Biotite rich zones occur from 66-68.5, 75.5-77.8, and 91-95'. Pyrrhotite and pyrite occur as rare disseminations throughout but the core is generally non magnetic. Lower contact is abrupt at 40o to core.			
104.5	127.2	GNEISS biotite quartz chlorite dark brown medium to coarse grained. Gneissosity 50-60o to core. Occasional $\frac{1}{8}$ " - $\frac{1}{4}$ " quartz-calcite filled fracture at 45o. Last two feet of core contain 2"-4" intrusions of altered peridotite.			
127.2	147	PERIDOTITE as at 56.8-104.5 but not quite so altered and without spotted zones.			
147	152.5	CHLORITIC ZONE weakly mineralized olive green to brownish green medium grained cut by many $\frac{1}{8}$ " to $\frac{3}{8}$ " quartz-calcite stringers		?

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From	to	Description	Sam. No.	Length	Assay
147	152.5	CHLORITIC ZONE (continued) at 450-500 to core. A 7" stringer of weakly mineralized, fractured, quartz-feldspar occurs at 152'.	2521	152.5 to 168 ft.	168 ft. Zn. Nil Cu. 0.02 Au. Tr. Ag. Tr.
		Mineralization mentioned above is chiefly pyrite occurring in disseminations, blebs, and in fine plating along fractures.			
152.5	168	MINERALIZED GRAPHITIC- MICACEOUS SCHIST Zoned grey to black. Mineralization is principally pyrite and is most prominent in siliceous graphitic zones where it occurs as fracture filling and thin stringers along 650 bedding planes. Pyrite is also disseminated throughout and also occurs in blebs. Occasional 1/8"-1/4" quartz-calcite-feldspar stringer at 450 ^{70'} to core and many of these are sporadically mineralized with pyrite and rare sphalerite.			
168	257.6	GREYWACKE quite schistose fine grained grey to dark grey schistosity 70-750 to core. Pyrite plating occurs along cleavage planes. Occasional 1/8"-1/4" quartz-calcite-feldspar stringer at 500-700 to core and some of these are partially mineralized with pyrite. Stringers 1"-4" wide of quartz-feldspar-calcite from 206-207', at 214.6', from 223.6 to 224.3', at 235.2', 243.4, 246.6', and at 248.6'. Some of the narrower stringers are quite corrugated.			
257.6	268.3	QUARTZITE quite schistose light grey to medium grey and medium to coarse grained with bedding planes 650-700 to core. Much hairline tension fracturing generally at an acute angle to the bedding. Many of these fractures are quartz-calcite-feldspar filled 1/8" - 3/16" thick containing rare blebs of pyrrhotite. Pyrite occurs as thin plates along bedding.			
268.3	288	GREYWAKE similar to entry from 168-257.6'.			
288	375.5	QUARTZITE similar to entry from 257.6 -268.3. Several 3"-5" quartz-calcite-feldspar stringers have intruded the rock from 292.7-296.4 and contain inclusions of the original quartzite. These			
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From	To	Description	Sam. No.	Length	Assay
288	375.5	QUARTZITE (CONTINUED) stringers have subsequently been fractured at an acute angle to the stringers, fractures contain 1/16" - 1/8" quartz-calcite filling. A narrow zone of weakly mineralized chloritized quartzite occurs at 296.4 to 297.7'. Sulphides contained are pyrite, pyrrhotite, and rare specks of chalcopyrite. Zone of considerable fracturing from 336.5 to 338.8' containing corrugated quartz-feldspar stringers 1/8"-7/8". Later hairline fractures have displaced these stringers 1/8" to 1/4". Further zone of fracturing from 356.6 to 361 containing numerous 1/16"-3/16" pink stringers of feldspar-quartz 450-750 to core containing blebs of pyrrhotite, pyrite, chalcopyrite, and rare sphalerite.			
375.5	376	GREYWACKE-QUARTZITE carbonatized cut by very thin hairlike calcite stringers at various angles to core including original 600 bedding.			
376	379.8	QUARTZ-FELDSPAR VEIN light grey hard medium to coarse grained. Contacts are quite sharp at 600 to core. Vein contains occasional bleb of calcite and chlorite and numerous tension fractures generally at 35-400 to core containing quartz-calcite. Lower 1 ft. portion of this vein contains 1"-4" carbonatized greywacke bands. Minor blebs and disseminations of sulphide throughout mainly pyrite and pyrrhotite, however, there are traces of chalcopyrite and sphalerite.			
379.8	416	GREYWACKE quite schistose dark grey medium to coarse grained containing very minor disseminated pyrite. Bedding 70-750 to core with occasional 1/16"-1/8" quartz-calcite stringer along bedding planes. Other thin 1/16"-1/8" fractures at 250-350 and hairlike fractures almost parallel the core, are poorly healed, and partially filled with chlorite and pyrite.			

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From	To	Description	Sam. No.	Length	Assay
379.8	416	GREYWACKE (continued) Zone of chloritic greywacke from 394-395.5. Zone of siliceous greywacke containing numerous recent hairlike fractures, poorly healed, from 404-410'. This zone contains minor amounts of disseminated pyrrhotite. Zone of siliceous chloritic greywacke from 410-416" with much thin fracturing as in preceding six feet.			
416	424	CHLORITIC GREYWACKE coarse grained light green to dark green with brown and dark brown bands containing much brown biotite. Banding is from 40-60o to core while bedding appears to be about 60o. This core is noticeably greener and more chloritic in bands up to 1 $\frac{1}{2}$ feet thick at the beginning, near the center, and at the bottom of this entry.			
424	429	PERIDOTITE chloritic light green to dark green and in some places almost bluish green. Medium to coarse grained with occasional slickensided joint 40o-60o to core. Minor disseminated pyrite and pyrrhotite throughout.			
429	482	PERIDOTITE talcy very weakly mineralized greyish green to greyish blue medium to coarse grained. Much irregular fracturing at all angles to core but predominantly to 50o-55o. Fractures are filled with grey and white quartz and calcite containing angular fragments of the peridotite. Stringers vary from 1/8"-2" with very ragged indistinct borders. Zones within this peridotite contain numerous 1/8"-3/8" blebs of white to cream coloured calcite and quartz creating a peculiar spotted appearance. Sulphide mineralization consists of disseminations and fine plates of pyrrhotite, pyrite, and chalcopyrite. Minor amounts of magnetite occur in some areas. Core is weakly magnetic.			5

