



42A14NE0027 28 REAUME

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Diamond Drilling

Township of REAUME

Report N^o 28

Work performed by: Western Mines Limited

Claim N ^o	Hole N ^o	Footage	Date	Note
P 442518	6-1	451.0'	Apr/77	(1)
P 442508	31-1	345.0'	Apr/77	(1)
	2	796.0'		

Notes:

(1) #223-77

CLAIM #442518

PROPERTY

PAGE 1 of 4

LOCATION Reaume Township, Ontario BEARING 220° (along HOLE NO. 6-1
line)
 LOGGED BY G.M. Thomas ELEVATION _____ DIP -50° FINAL DEPTH 451'
 STARTED April 16, 1977 TESTS (CORRECTED) 49° @ 200', 38° @ 451'
 FINISHED April 19, 1977
 CASING NWC, BWC
 CORE SIZE BQ

FROM	TO	DESCRIPTION
0	180'	Clay, clay and sand, sand and gravel.
180	219	Grey to green, fine to medium grained andesite and andesite tuff. Altered-carbonatized and silicified. Thread-like shears and fractures are in various orientation and are chloritic. Minor pyrite, fine-grained in blotches up to 2MM. in size. 191'-2" Quartz-calcite-chlorite intrusion, indistinct contacts, speck chalcopyrite. 201-202 Interflow breccia or tuff. 204-9" Lighter grey zone, highly carbonatized. Upper contact sharp at 15° to core axis. Lower contact at 60° to core axis. Possibly a sedimentary horizon between flows or an altered flow. 216-10" graphitic schist. 1" vein pink carbonate. Upper contact sharp at 30° to core axis. Lower contact splices into host rock. Minor pyrite. Host rock in this section is a slightly flatter grey and more fine grained than above. Contact relationships suggest sedimentary deposition of detritus derived from the volcanics. 218-219 Graphite schist. Minor pyrite and pyrrhotite in thread-like veins. Pyrite plates sheared surfaces. Upper and lower contact sharp at 40° to core axis. Sedimentary in character. 1/4" very fine grained grey band appears to be caused by sedimentation.
219	225	Dark grey, very fine grained ^{argillaceous} argillite. No apparent bedding. Shearing at 40° to core. Shear planes contain fine grained pyrite up to 5%. Fractures may be due to slumping in original rock. These are chloritic and some contain black graphite. 221' Contact between argillaceous sediment and graphite schist. An intrusion of volcanic rock is also present and meets overlying sediment at 30° to core.

HOLE NO. 6-1

CLAIM #442518

PAGE 2 of 4

PROPERTY _____

LOCATION Reaume Township BEARING 220° (along line) HOLE NO. 6-1

LOGGED BY G.M. Thomas ELEVATION _____ DIP -50° FINAL DEPTH 451'

STARTED April 16, 1977 TESTS (CORRECTED) 49° @ 200', 38° @ 451'

FINISHED April 19, 1977

CASING NWC, BWC

CORE SIZE BQ

FROM	TO	DESCRIPTION
225	242	<p>221-225 Graphite schist. Graphite appears to have intruded an andesitic host rock. Definite volcanic contact relationships. Fine wisps of andesite, in the direction of foliation (40°) lead into massive, black graphite. Carbonatized along schistosity. Minor pyrrhotite and pyrite - lower contact at 225 appears both sedimentary and volcanic in nature. A 1" band of graphite schist contacts fine grained, flat grey argillaceous sediment which grades over 2" into a grey, fine to medium grained volcanic.</p> <p>Grey to green, mottled, fine to coarse grained texture, andesitic to dioritic. Upper contact described above. Lower contact silicified and chloritic - indistinct over 3".</p> <p>230.5' - 2" white quartz vein. Sharp contacts at 30° to core axis.</p> <p>232 - 2" White quartz vein, sharp contacts at 40° to core axis.</p>
242	266.5	<p>Grey, very fine grained argillite - chloritic, carbonatized. Irregular fractures throughout are chloritic. Shears have white calcite and hematite staining.</p>
266.5	278	<p>Grey, fine to medium grained andesite.</p> <p>272.5 Tuffaceous</p> <p>274.5 - 275 Green, fine grained chloritic band or bed of sediment. Trace pyrite. Sharp upper and lower contact at 30° to core.</p>
278	293.5	<p>Grey, fine grained argillaceous sediment.</p> <p>284 - 287' Graphitic schist. Sedimentary in character. Pyrrhotite is disseminated, massive and in concretions up to 50%. Trace pyrite. White calcite stringers permeate this section.</p>

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 STARTED April 16, 1977 TESTS (CORRECTED) 49° @ 200', 38° @ 451'
 FINISHED April 19, 1977
 CASING NWC, BWC
 CORE SIZE BQ

FROM	TO	DESCRIPTION
293.5	297.5	Grey, fine grained andesite. 294-295 Interfingering andesite and graphite with minor pyrrhotite and pyrite, white calcite. 296.5 - 297.5 Graphitic schist, trace pyrite, pyrrhotite with white quartz and calcite.
297.5	370	Tuffaceous argillaceous sediment. Highly altered, indistinct fragment boundaries up to 2-3 CM. 303 - 304 Massive graphite schist. Upper and lower contact at 40° to core. Minor pyrrhotite in flecks and wisps. 305 - 307.5 Graphite schist. Pyrrhotite disseminated in finely crystalline bands, wisps, flecks and as concretions with calcite veinlets. 334 - 335 Graphitic tuff-breccia. Fragments are angular up to 1/2 CM. at 334.5 Minor pyrrhotite. 344 - 6" Quartz-chlorite intrusion, indistinct contacts at 50° to core. 1/8" pyrite band at same angle. 348 - 370 Graphitic argillaceous tuff. Pyrrhotite is disseminated, in bands, flecks and concretions up to 25%. Minor pyrite banding at 60° to core with minor quartz and calcite. 354' - 4" Olive green, intra-formational breccia. Fragments average 1/2 CM.
370	415.5	Very fine grained to fine grained, argillaceous sediment; possibly tuffaceous. 388 - 391 Graphitic argillaceous sediment. Disseminated pyrrhotite up to 15%, trace chalcopyrite.

CLAIM #442518

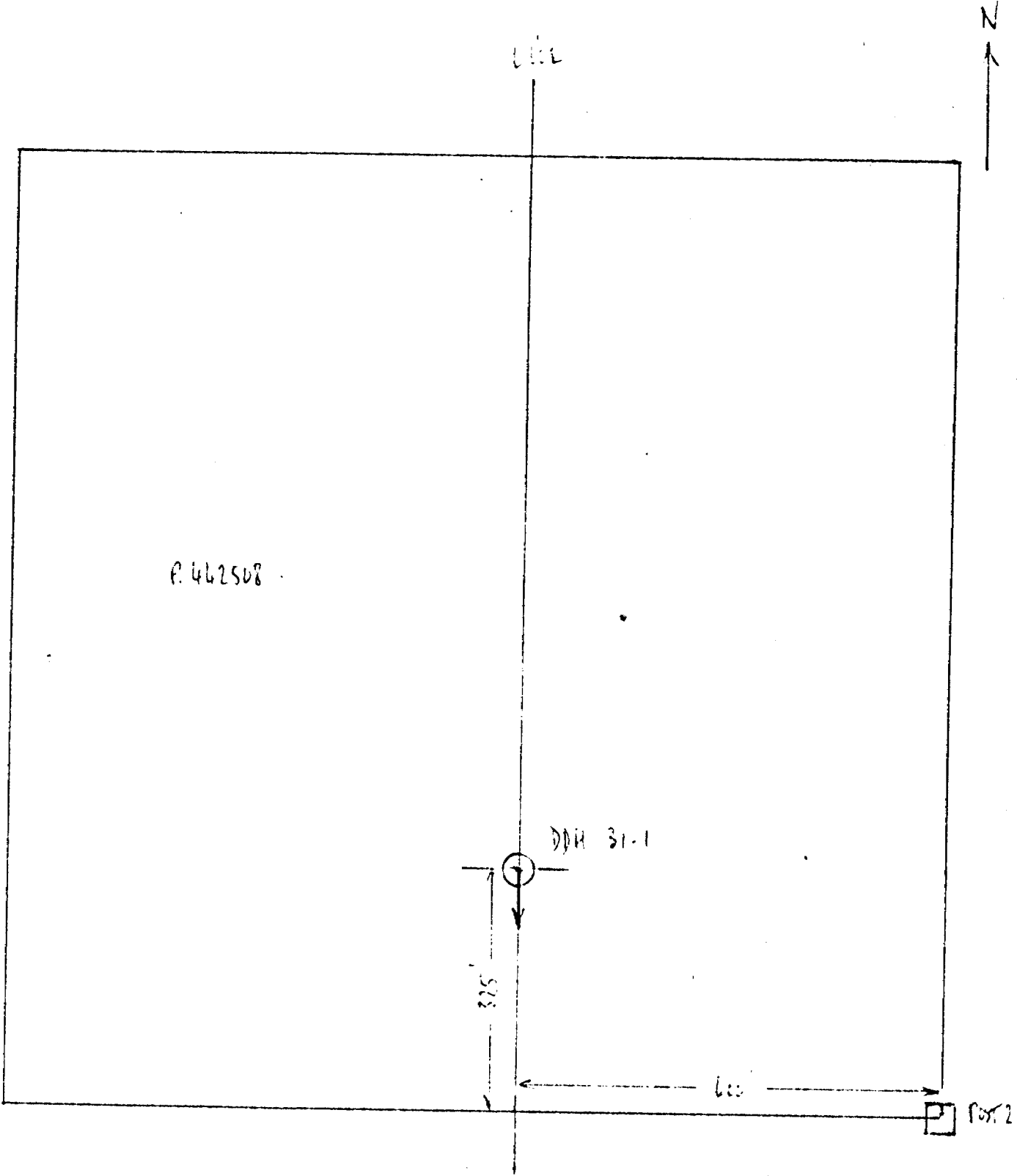
PROPERTY

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LOCATION Reaume Township BEARING 220° (along line) HOLE NO. 6-1
 LOGGED BY G.M. Thomas ELEVATION _____ DIP -50° FINAL DEPTH 451'
 STARTED April 16, 1977 TESTS (CORRECTED) 49° @ 200', 38° @ 4
 FINISHED April 19, 1977
 CASING NWC, BWC
 CORE SIZE BQ

FROM	TO	DESCRIPTION
415.5	451	412 - 415.5 Graphitic argillaceous sediment. Pyrrhotite in fine bands widening to blebs, as concretions up to 20%. Carbonatized along fractured surfaces. Grey to green, dark green, tuffaceous sediment, highly contorted, wavy in appearance. Strongly silicified, chloritic and carbonatized. 416 - 417.5' Graphitic schist. Strong pyrrhotite up to 80%. 438 - 1" Graphite band, disseminated pyrrhotite. End of Hole.

HOLE NO.



WESTERN MINES LTD.
PLAN DDH 31-1
SCALE 1" = 500'
APRIL, 1977
K.M. THOMAS

Claim #442508

PAGE 1 of 3

PROPERTY

LOCATION Reaume Township, Ontario. BEARING South HOLE NO. 31-1
 LOGGED BY G.M. Thomas ELEVATION _____ DIP -50° FINAL DEPTH 345'
 STARTED April 21, 1977. TESTS (CORRECTED) -45° @ 219'
 FINISHED April 26, 1977
 CASING NWC, BWC
 CORE SIZE BQ

FROM	TO	DESCRIPTION
0	90'	Clay, sand, gravel and small boulders.
90	137	<p>Grey-green-black, fine grained andesite-dacite. Highly fractured. Fracture seams filled with black material - probably graphite. Occasional shearing at 50° to core axis. Shears up to 1/4" are graphitic and contain massive pyrrhotite mineralization with minor white calcite and quartz.</p> <p>96' - 98.5 Andesite lapilli tuff and ^{sedimentary} agglomerate. Irregular fragments up to 3CM. Larger fragments are internally fractured. Fragments 2-5MM in size exhibit concentric zoning. The ground mass is black, aphanitic, graphitic-chloritic material.</p> <p>97' graphitic schist; narrow elongated cavity follows schistosity; carbonatized, minor pyrrhotite.</p> <p>103 - replacement quartz contains minor disseminated pyrrhotite.</p> <p>112-1" quartz vein at 40° to core axis - sharp contacts.</p> <p>113-1/2" - Quartz-calcite veinlet at 50° to core axis. Sharp contacts.</p> <p>126-127 - Graphitic chlorite schist, heavily carbonatized. Minor pyrrhotite intrudes host rock and includes fragments of grey-green andesite up to 2CM.</p>
137	147	Grey-light green, mottled, lapilli andesite tuff; altered, fragments up to 1CM. Irregular thread-like fractures are graphitic and contain minor pyrrhotite.
147	209.5	Grey, fine-grained andesite-dacite. Many graphitic thread-like fractures contain pyrrhotite. This section appears to become more acidic with depth as it is harder and lighter in colour. Grades into a porphyritic rhyolite-rounded white quartz-eyes <1MM in diameter stretched at 50° to core axis.

#442508

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PROPERTY		PAGE 2 of 3	
LOCATION	Reaume Township, Ontario.	BEARING	South
LOGGED BY	G.M. Thomas	HOLE NO.	31-1
	ELEVATION	DIP	-50°
STARTED	April 21, 1977	FINAL DEPTH	345'
FINISHED	April 26, 1977	TESTS (CORRECTED)	-45° @ 219'
CASING	NWC, BWC		
CORE SIZE	BQ		

FROM	TO	DESCRIPTION
209.5	227	<p>155' - 2" Graphitic schist. Schistosity at 60° to core axis. Carbonatized, minor pyrrhotite, pyrite, trace chalcopryrite.</p> <p>156 - ½" Graphite band intrudes host rock contains up to 40% pyrrhotite, trace chalcopryrite.</p> <p>165 - ½" Graphitic schist, carbonatized, minor pyrrhotite, pyrite, trace chalcopryrite.</p> <p>167.5 - 169.5 - Quartz-calcite vein, gradational contacts. Trace pyrite, pyrrhotite, chalcopryrite.</p> <p>Light grey to tan, very fine grained rhyolite breccia. Sharp upper contact at 30° to core axis. Peppered appearance, occasional cavity containing pyrite and pyrrhotite. Iron sulfides also in irregular bands up to ¼" wide.</p>
227	246	<p>220-227 Tan, fine grained, rhyolitic agglomerate. Fragments up to several inches in size set in a ground mass of fine grained massive pyrite (up to 50%) and grey quartz. Trace to minor pyrrhotite.</p> <p>Graphitic schist containing up to 75% pyrite-massive, disseminated, in nodules and concretions. Massive pyrite fragments are fractured and broken at 237'. This section is silicified and carbonatized increasingly so with depth. Schistosity is at 50° to core axis.</p>
246	345	<p>Grey, fine to medium grained andesite silicified and carbonatized along fine fractures of various orientation.</p> <p>275-276. Dark green, medium grained gabbro - lower contact at 60° to core axis.</p> <p>276-278.5 - Grey-green andesite lapilli tuff. Highly altered. Fragments up to 3CM., indistinct boundaries in fine grained ground mass.</p>

HOLE NO. 31-1

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PROPERTY

PAGE 3 of 3

LOCATION Reaume Township, Ontario. BEARING South HOLE NO. 31-1

LOGGED BY G.M. Thomas ELEVATION _____ DIP -50° FINAL DEPTH 345'

STARTED April 21, 1977. TESTS (CORRECTED) -45° @ 219'

FINISHED April 26, 1977

CASING NWC, BWC

CORE SIZE BQ

FROM	TO	DESCRIPTION
	345	<p>289-292 Andesite lapilli tuff and agglomerate. Upper contact with andesite is normal to core axis, lower contact at 80° to core. Fragments range up to 4 CM., average 1/2 CM. Minor quartz and calcite. Trace chalcopyrite in thin calcite stringer running subparallel to core axis.</p> <p>321-1" Quartz-red orthoclase intrusion, minor epidote.</p> <p>323-324 Andesite tuff, silicified.</p> <p>332'-6" Graphitic andesite tuff.</p> <p>342-343.5 Graphitic andesite tuff. Minor pyrite along upper contact; indistinct lower contact.</p> <p>343.5-345 Grey andesite.</p> <p>End of Hole.</p>

HOLE NO.

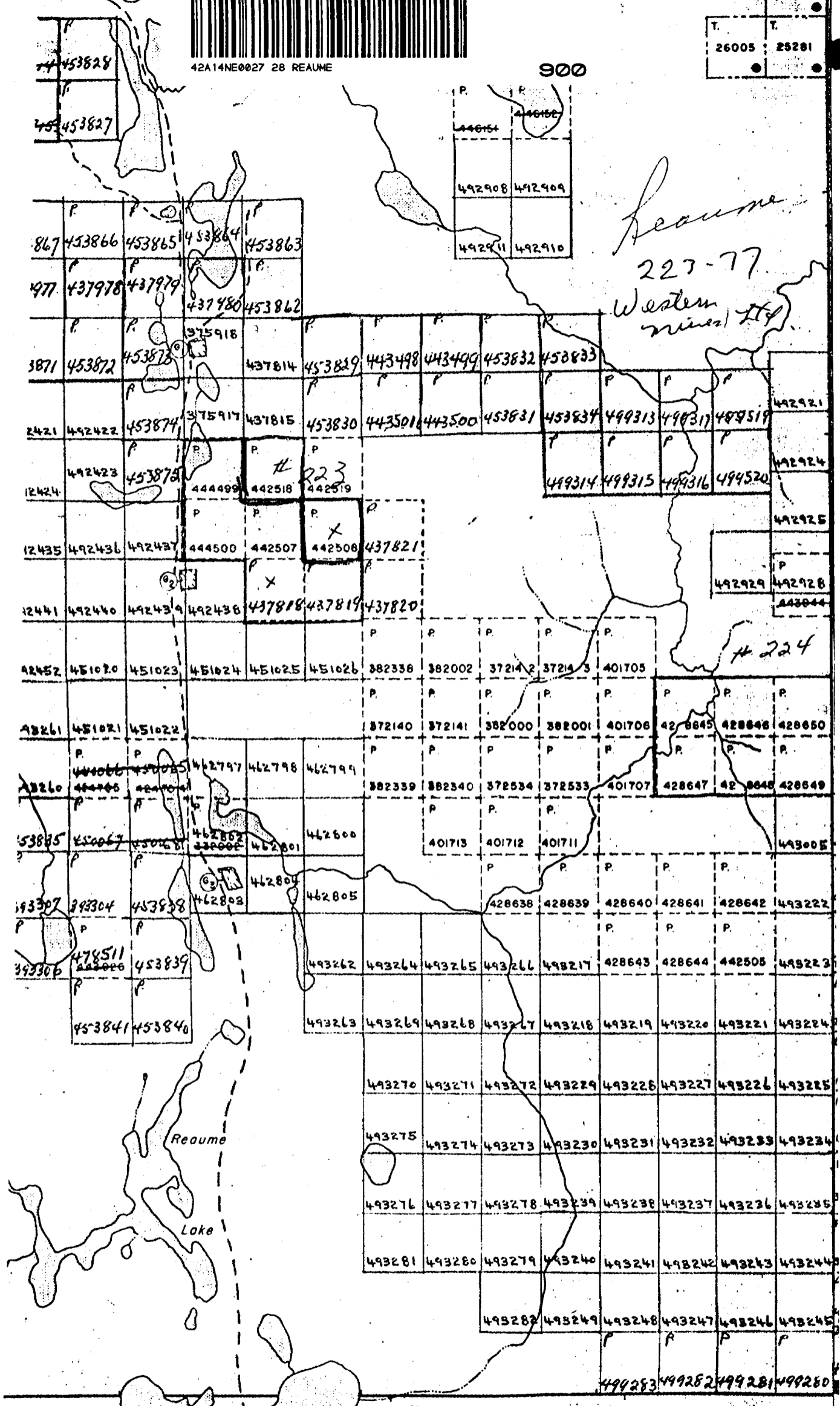
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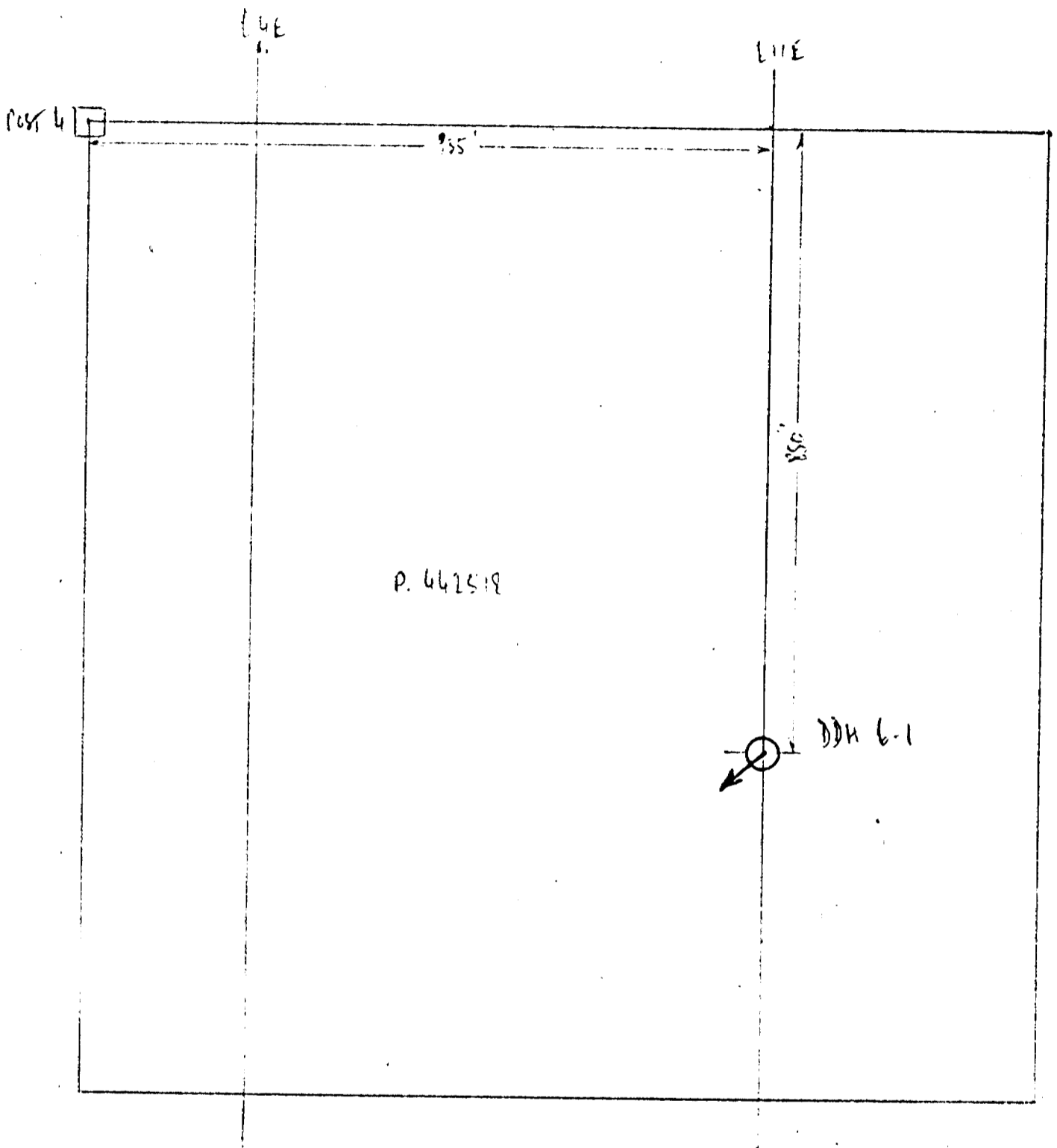
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Reaume Sup.

#223-77



WESTERN MINES LTD.

PLAN DDH 6-1

SCALE: 1" = 200'

APRIL, 1977.

K.M. THOMAS