



42A06SE0034 17 LANGMUIR

010

Diamond Drilling

Township OF LANGMUIR

Report N^o: 17

Work performed by: Waco Petroleum Ltd.

Claim N ^o	Hole N ^o	Footage	Date	Note
P 79333	W-1	597'	Mar/66	
	W-2	500'	Apr/66	
	W-3	500'	Apr/66	
	W-5	502'	Apr/66	
	W-6	479'	Apr/66	
	W-7	502'	May/66	
	W-8	352'	May/66	
	P 79327	W-4	657'	Apr-May/66
<u>8</u>		<u>4089'</u>		

Notes:

REPORT

ON

DIAMOND DRILL PROGRAM

ON

WACO PETROLEUMS LIMITED

LANGUIR TOWNSHIP PROPERTY

FORCUPINE MINING DIVISION, ONTARIO

**FILO GEOPHYSICS LIMITED
Suite 705, 330 Bay St.,
TORONTO 1 - CANADA**

June 3rd, 1966.

John J. D. Filo, B.A.Sc., P.Eng.

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DIAMOND DRILL HOLE SECTIONS	

The group lies about 18 air miles southeast of Timmins, Ontario. Access is by winter road in part along the abandoned H.E.P.C. Power Transmission Line or by fixed-winged aircraft landing on the south arm of Nighthawk Lake. A winter helicopter pad is located in the central portion of the group.

DISCUSSION OF DRILL RESULTS

HOLE NO. 1

This hole was spotted to intersect an 1,000/5,000 cps electromagnetic conductor located on the flank of a magnetic high, near the north boundary of the property. It reached an ultimate depth of 597 feet. Peridotite and andesite were the predominant rock types encountered, and these displayed various degrees of alteration and shistosity. Dunite and diorite were also encountered in the hole. Sulphides in the hole included minor pyrite and rare chalcopyrite and sphalerite. Assays returned nickel values as high as 0.22%.

HOLE NO. 2

This hole was designed to intersect the same 1,000/5,000 cps conductor as was intersected in Hole No. 1, however, it was to collar in the volcanics in which the peridotite in the area is intruded. Its ultimate depth was 500 feet. Rock types encountered in the hole were andesite, diorite and a basic dike mineralized with occasional crystals of pyrite. A sample 15.1 feet long from 214.9 to 230.0 feet returned an assay of 0.08% nickel.

HOLE NO. 3

This hole whose length was 500 feet was spotted to intersect an isolated 5,000 cps cross-over associated with a 300 gamma magnetic high. Dacite, iron formation and peridotite were cut in the hole along with several sections of massive and near-

massive sulphides including pyrite and pyrrhotite. No nickel or gold values were present in the sulphides.

HOLE NO. 4

This hole was located to test a magnetic high with a 5,000 cps conductor associated with its eastern flank. Its total length was 657 feet. Serpentinized peridotite was encountered throughout the length of this hole and assays returned values as high as 0.11% nickel.

HOLES No. 5 AND NO. 6

These holes both collared at 5S/4W were step-out holes to test the sulphide mineralisation encountered in Hole No. 3. Their lengths were 502 and 479 feet respectively. In addition to the rocks encountered in Hole No. 3, these holes intersected pink rhyolite porphyry. One sample from Hole No. 5 returned an assay of 0.08% nickel and no samples were cut from Hole No. 6.

HOLE NO. 7

This hole, 502 feet in length, was designed to undercut hole No. 1. Andesite, dacite and several felsite dikes were the rock types present in this hole along with peridotite. Cubic pyrite was present in minor quantities throughout the hole.

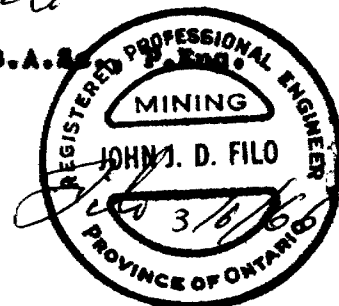
HOLE NO. 8

This hole was drilled to intersect a magnetic high located on the baseline at 7S and its ultimate depth was 352 feet. Peridotite, rhyolite and rhyolite porphyry with a few felsite dikes comprise the rock types encountered in this hole. Other than occasional pyrite crystals, no sulphide minerals were present in the core.

Respectfully submitted,

John J. D. Filo
John J. D. Filo, B.A.Sc.

June 3rd, 1966.



CONCLUSIONS AND SUMMARY

A total of 8 drill holes amounting to 4,089 feet of diamond drilling was performed on the property. In all cases, the holes had been spotted to intersect conductors and/or magnetic highs indicated by previous geophysical surveys. Considerable and varying amounts of sulphide mineralization were encountered in all the holes consisting mainly of pyrite and pyrrhotite, however, the highest nickel value encountered was only 0.22%. Much more peridotite was proved to underlie the property than was anticipated from the magnetic survey. Other rock types intersected in the drilling were acid to intermediate volcanics and iron formation.

RECOMMENDATIONS

Only the northern part of the property has been effectively explored by the drilling program reported herein. Several targets remain which are considered to be of as high a priority as those already drilled. These first priority drill locations are:

- Hole No. 9 - to be collared at 4.50W on L 14E drilled due east to intersect a 5,000 cps conductor associated with a magnetic ridge.

- Hole No. 10 - to be collared 8.50E/L 10E and drilled at an azimuth of N45°W to test a magnetic high.

- Hole No. 11 - to be collared at the same location as hole No. 10, drilled due west to test an isolated 5,000 cps cross-over on the flank of a magnetic high.

The second priority drill locations are:

Hole No. 12 - to be collared at 8W/L 14S and drilled due west to intersect a 5,000 cps conductor on the flank of a magnetic high.

Hole No. 13 - to be collared at 2+50W/L 14S and drilled due east to intersect a 5,000 cps conductor associated with an 100 gamma magnetic high.

It is recommended that at least the first priority targets be drilled when developments on adjoining properties are made public and a reasonable probability of production is indicated on them.

INTRODUCTION

At the request of the Directors of Waco Petroleum Limited, a diamond drill contract was let to Bradley Bros. Limited of Noranda, P.Q., dated February 28th, 1966. A minimum of 2,000 feet of AXT core was called for in the contract. Drilling supplies and camping gear, etc., were moved on the property beginning March 19th, 1966. Hole No. 1 was commenced on March 24th, 1966 and Hole No. 8 was terminated on May 16th, 1966. The move-out from the property was completed on May 21st, 1966.

PROPERTY, LOCATION AND ACCESS

The property consists of 4 contiguous, unpatented mining claims located in the west-central portion of Langmuir Township, District of Timiskaming, Porcupine Mining Division, Ontario. The claims are numbered P-79327 to P-79329 inclusive and claim No. P-79333.

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HOLE NO. W-1

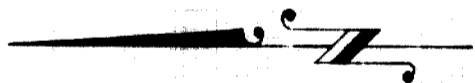
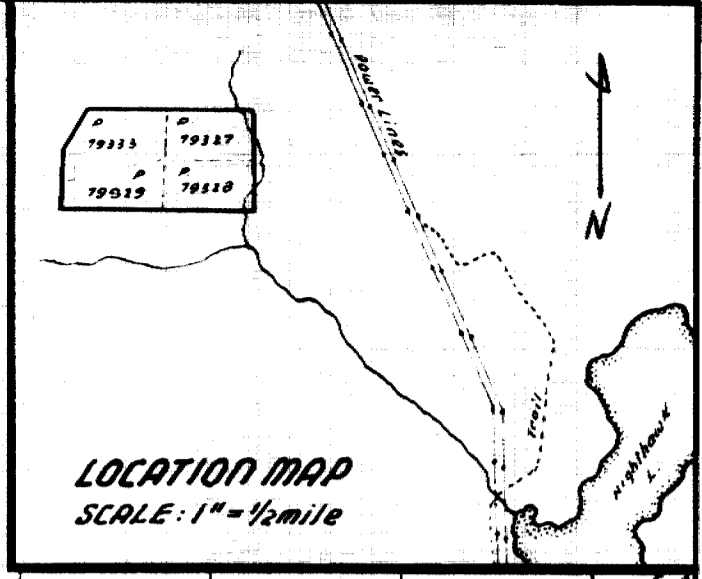
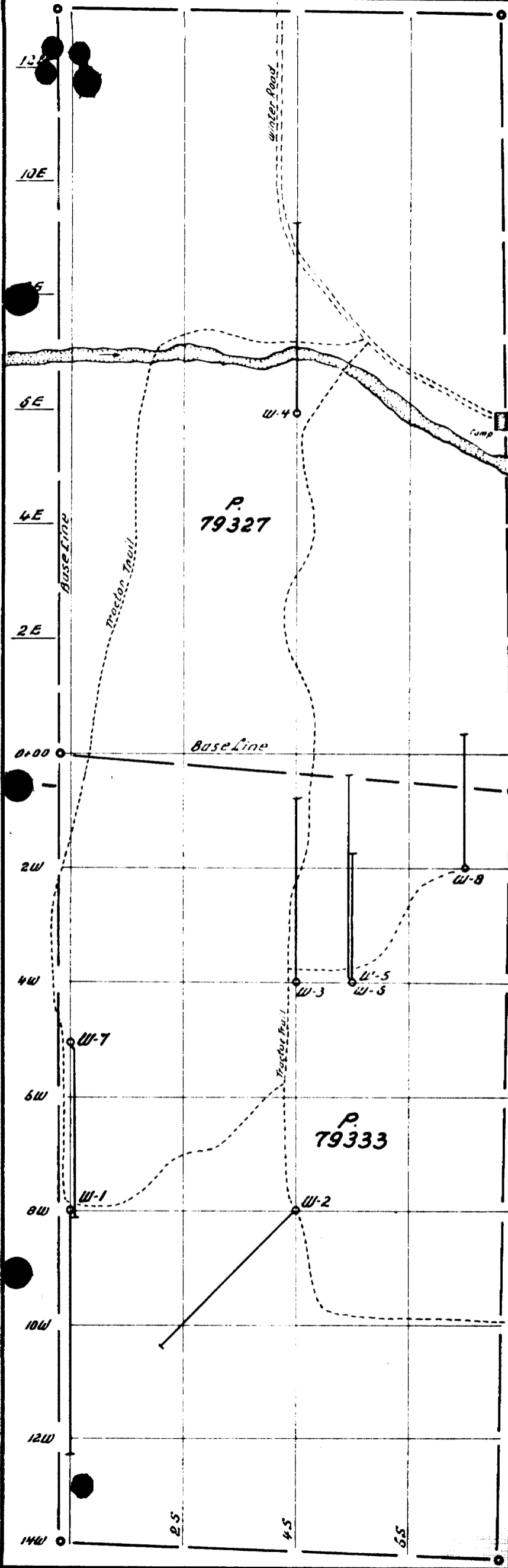
DRILL HOLE LOG

SHEET NO. 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Langmuir Twp.		Started: March 24, 1966
Latitude: 0750S		Finished: March 30, 1966
Departure: 8400W		Bearing: Due W Ast. Depth: 597
Elevation: -		Dip: -52° Logged by: J. A. Stocking
0	64	Casing through overburden
64	149	Peridotite: Very slightly magnetic, greyish green, fine grained. Considerable carbonate alteration. Occasional 1/2 to 3/4 inch stringer of carbonate in jointing at any angle to core axis. Light carbonate-filled shearing at 15 - 30° to C.A. from 108 to 111.
149	157	Talc Schist: Light grey, massive, quite soapy. Occasional crystal of pyrite and chalcopyrite.
157	319	Andesite: Greyish-green, massive, somewhat chloritic. Featureless except for 1/4 to 1/2 inch quartz carbonate stringers following core from 247 to 250. Minor amounts magnetite and occasional pyrite crystals associated with stringers.
319	323	Talc Schist: Light grey, massive, quite soapy. Occasional crystals of pyrite and chalcopyrite.
323	333	Dunite: Very fine grained, massive. Scattered pyrite crystals throughout.
333	350.5	Talc Schist: Massive, light grey to buff. Considerable carbonate (magnesite?) from 346 to 349. Occasional 1/4 to 1/2 inch stringers of disseminated magnetite at 45° to C.A.
350.5	409.5	Slightly magnetic, massive. No sulphides. Calcite filled jointing at any angle. Peridotite.
409.5	412.5	Chlorite Schist: Rock altered almost completely to chlorite with small amount carbonate. 2% crystalline magnetite and tiny blebs of (sphalerite?) scattered throughout.
412.5	518	Peridotite: Medium to dark grey. Slightly magnetic. Fine grained, massive. No sulphides of note.
518	570	Diorite: Medium to fine grained, short sections showing somewhat diabasic texture. Stringers of serpentine in jointing at any angle. One foot highly sheared and serpentized section at 548.
570	597	Peridotite: Grading back into peridotite via chilled edge phase of 2 to 3 foot followed by dark grey massive, fine grained peridotite. Increasingly talcose toward end with talc-carbonate-serpentine shear following core from 576 to end.
597 - END OF HOLE		

J.A. Stocking





WACO PETROLEUMS LIMITED
 LANGMUIR TOWNSHIP
 PORCUPINE MINING DIVISION
 ONTARIO

PLAN OF DRILLING
 SCALE: 1" = 200' DATE: June, 1966.

FILE GEOPHYSICS LIMITED

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HOLE NO. K-2

DRILL HOLE LOG

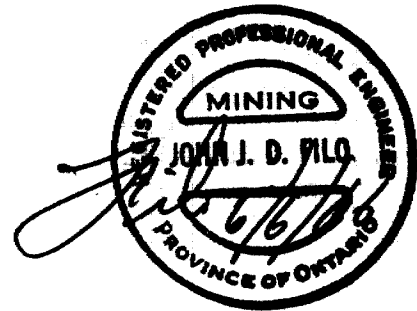
SHEET NO. 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Langmuir Twp.		Started: April 2, 1966
Latitude: 47°00'S		Finished: April 6, 1966
Departure: 87°00'W	Bearing: N45°W Ast.	Depth: 500
Elevation: -	Dip: -55°	Logged by: J. A. Stocking

0	82	Casing through overburden.
82	218	Andesite: Fine grained, massive, dark grey. Occasional silicified section.
218	220	Diorite: Medium grained, massive. Approximately 1% sulphides as crystalline pyrite scattered throughout.
220	322	Andesite: Quite silicified. Highly sheared at 60° to C.A. from 220 to 230. Occasional quartz-carbonate stringer at any angle to C.A. No mineral of note.
322	329	Diorite: Chilled edge phase.
329	460	Diorite: Fine to medium grained dark grey with occasional crystal pyrite throughout.
460	500	Very fine grained dark grey to black basic intrusive. Occasionally some hat silicified. Massive, no jointing or shearing visible.

500 - END OF HOLE

J. A. Stocking



FILO GEOPHYSICS LIMITED

HOLE NO. W-3

DRILL HOLE LOG

SHEET NO. 1 of 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Langmuir Twp.		Started: April 14, 1966
Latitude: 47°00S		Finished: April 17, 1966
Departure: 47°00W	Bearing: 90°	Depth: 500'
Elevation:	Dip: 50°	Logged by:

0	40.0	Casing.
40.0	220.0	Dacite. Fine grained light grey featureless except for 1/4 - 1/2" carbonate-filling jointing at any angle to C.A. Occasional 1/4 - 1/2" bleb pyrite every 6 inches or so from 205 to 220.
220.0	235.0	Felsite dyke. Light grey, fine grained, slightly sheared.
235.0	257.0	Dacite. Somewhat sheared, fine grained, chloritized. Occasional short section of breccia with quartz-carbonate filling. 5% pyrite.
257.0	266.0	Felsite dyke. Fine grained, light grey, massive. Occasional pyrite crystal.
266.0	269.0	Dacite. As 235 to 257.
269.0	344.8	Iron formation. Banded light grey and green. Highly sheared and chloritized. 5-10% sulphides as crystals and disseminations throughout. Increasingly chloritic and siliceous toward end, with disseminated pyrrhotite becoming visible at about 310 and increasing in quantity until from 331 to 345 it comprises about 15% of core.
344.8	407.0	Iron formation. Snow white to light grey "sugar quartz" phase. Chlorite only in joints. Approximately 10% sulphides, mostly pyrrhotite occurs as fracture filling and blobs throughout.
407.0	431.5	Shear zone. Quartz-sulphide-graphite with approximately 20% pyrite.
431.5	435.8	Massive pyrite.
435.8	437.0	Iron formation. Coal-black, conchoidal fracture, cherty. Sheared at 45° to C.A. 10 -20% pyrite.
437.0	456.0	Dacite. Fine grained, light grey, massive.
456.0	500.0	Peridotite. Dark grey, fairly massive, somewhat talcose, non-magnetic. Very small amounts carbonate as fracture filling. Small "chicken-track" section from 491.5 to 495.

500 - END OF HOLE

J. D. Filo



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HOLE NO. W-4

DRILL HOLE LOG

SHEET NO. 1 of 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Langmuir Twp.		Started: April 14, 1966
Latitude: 44°00S		Finished: May 3, 1966
Departure: 64°00E	Bearing: 90°	Depth: 657'
Elevation:	Dip: 60°	Logged by: J. A. Stocking

		This entire hole is in peridotite and footages in left hand column are only to show slight differences in rock composition and/or alteration in the same type. Some sections are very slightly magnetic but most of the core will not deflect a compass.
0	106	Casing.
106	355	Extremely serpentized and broken up. Traces of "bun" outlines and occasional small "chicken-track" sections. N.B. "Bun" is local descriptive term for a pillowed appearance, considered to be a form of spheroidal weathering found in the Porcupine area, often of depths of 500' or more. "Chicken-track" is another local descriptive term for long (2-3") crystals of blade antigorite, laying at random orientation and having generally the appearance of many chicken tracks overlapping. (Reference: Dominion Gulf petrographic work on ultra-mafic sill in McArthur Twp., Porcupine).
355	480	Less serpentized, dark grey, fine grained, fair amount carbonate as joint filling. Occasional short (2-4') section of light grey mottling due to carbonate alteration. Non-magnetic.
480	495	Many serpentine slips at various angles. Predominant jointing seems to be about 30-40° to C.A. Greenish colour throughout. Non-Magnetic to very slightly magnetic.
495	592	Mottled, fairly massive, dark grey, non magnetic. Occasional serpentized joint, hardly any carbonate visible. Non magnetic.
592	593	Pronounced serpentine shear at 20-30° to C.A.
593	624	Mottled, medium to dark grey, non-magnetic. No mineralization.
624	626	Section of serpentization, sheared at 40° to C.A.
626	657	As 593-624, occasional "bun" outlines from 653 to 657.

657 - END OF HOLE

J.A. Stocking



FILO GEOPHYSICS LIMITED

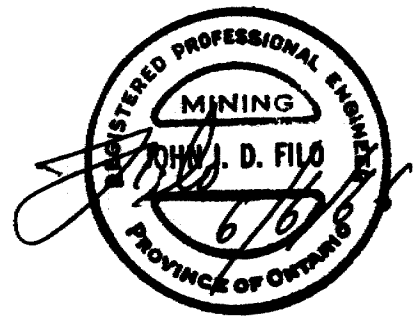
HOLE NO. W-5

DRILL HOLE LOG

SHEET NO. 2 of 2

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Langmuir Twp.		Started:
Latitude:		Finished:
Departure:	Bearing:	Depth:
Elevation:	Dip:	Logged by:
410.5	416.8	Pink rhyolite porphyry. Up to 1% pyrite crystals.
416.8	419.0	Peridotite remnant.
419.0	434.0	Pink rhyolite porphyry.
434.0	445.1	Peridotite remnant.
445.1	450.1	Pink rhyolite porphyry.
450.1	494.8	Peridotite. Light shearing at 45° to C.A. 10 - 15% carbonate and usual talcy alteration. 6 inch porphyry dyke at 472.
494.8	502.0	Pink rhyolite porphyry. Occasional crystal pyrite.
502 - END OF HOLE		

J.A. Stocking



FILO GEOPHYSICS LIMITED

HOLE NO. W-5

DRILL HOLE LOG

SHEET NO. 1 of 2

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Langmuir Twp.		Started: April 28, 1966
Latitude: 54°00'S		Finished: April 29, 1966
Departure: 44°00'W		Bearing: 90°
Elevation:		Depth: 502'
		Dip: 50°
		Logged by: J. A. Stocking
0	46.0	Casing.
46.0	53.5	Dacite, light grey, fine grained, massive. Occasional quartz-calcite stringer at any angle. Lightly sheared at 45° to C.A. Occasional pyrite crystal.
53.5	169.0	Iron formation. Highly silicified, lightly sheared at 40° to C.A. Occasional short sections of quartz-carbonate filled breccia. 10 - 20% pyrite and pyrrhotite throughout. Shearing becomes more intense from 67 to 103 with accompanying increase in chlorite content. Section of less altered and sheared material from 103 to 115. Extreme shearing and chloritization starts again at 115, with 20-30% pyrrhotite, 5-10% pyrite, up to 5% very fine grained magnetite. Four to five foot sections in this type seem to consist entirely of sulphides and chlorite, while in intervening sections the chlorite is replaced by silica, sulphide content remaining constant.
169.0	170.5	Felsite dyke. Very fine grained, light grey. Occasional crystal pyrite.
170.5	179.0	Iron formation. As before except 5-10% pyrite, occasional small amount pyrrhotite.
179.0	185.1	Felsite dyke as before.
185.1	191.5	Quartz-graphite-sulphide breccia zone.
191.5	194.0	Iron formation sugary quartz extremely chloritic (or containing enough chrome mineral to cause green colour).
194.0	223.0	Felsite dyke, sections of chloritization and 10-20% sulphides.
223.0	245.1	Iron formation, mostly white sugary quartz. Some brecciation and occasional chlorite-filled joint at 30-40° to C.A. Pyrrhotite and pyrite as blobs and fracture filling averaging 10% overall.
245.1	252.2	Grey felsite dyke. Fine grained, light grey, 3% crystal pyrite.
252.2	263.5	Iron formation, sugary as before, with increasing pyrrhotite and 4 inch massive pyrite at 263.
263.5	274.4	Chlorite schist. Fine grained, dark grey-green, massive. 6 inch quartz vein at 276.
274.4	310.0	Peridotite. Chloritized, fairly massive, with up to 20% carbonate replacement in jointing at any angle to C.A. One foot section at 284 has 1-2% fine crystal pyrite.
310.0	349.0	Rhyolite. Light grey, very fine grained, massive with occasional pyrite crystal. Ground core: at 332, 6"-at 337, 12"-at 344, 18".
349.0	354.0	Peridotite, somewhat talcose, 10-15% carbonate.
354.0	368.5	Pink rhyolite porphyry. Occasional pyrite crystal.
368.5	373.3	Peridotite, talcose, 10-15% carbonate.
373.3	388.0	Pink rhyolite porphyry.
388.0	410.5	Peridotite, very chloritic for first foot past contact, then usual dark grey, fine grained with up to 10% whitish carbonate as stringers and joint filling.

FILO GEOPHYSICS LIMITED

HOLE NO. W-6

DRILL HOLE LOG

SHEET NO. 1 of 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Langmuir Twp.		Started: April 23, 1966
Latitude: 5400S		Finished: April 30, 1966
Departure: 4400W	Bearing: 90°	Depth: 479'
Elevation:	Dip: -65°	Logged by: J. A. Stocking

0	38.0	Casing.
38.0	111.0	Dacite. Light greenish-grey mottled by slight chloritisation. Very fine grained with occasional zones of fragmental material. Isolated pyrite crystals throughout. Considerable secondary silicification and brecciation at 57 and again at 74.
111.0	213.0	Iron formation. Considerable chloritic and sericitic alteration. Contains 1-3% pyrite evenly distributed throughout. Occasional 1/2 inch band of crystalline pyrite increases total sulphide content to approximately 5% up to 192 where rock becomes very chloritic, to the point where it seems to consist mainly of quartz, chlorite and approximately 10-15% pyrite. At various intervals, amorphous pyrite and magnetite occur as 4-6 inch bands, the metallics making up over 50% of the core.
213.0	223.0	Felsite dyke. Medium grey, fine grained, slightly chloritic. Less than 1% pyrite overall.
223.0	239.5	Iron formation. Banded green and light grey. Heavy chlorite alteration. 15-20% pyrite and pyrrhotite throughout.
239.5	248.5	Felsite dyke. Medium grey, fine grained, relatively unaltered. 1% crystalline pyrite.
248.5	340.0	Iron formation. Extremely chloritic, silica banding less apparent than before, varying amounts sulphides, possibly averaging 20% pyrite, 10% pyrrhotite. 6 inch sections of felsite dyke material at 279, 281.5 and 285. Approximately 5-10% very fine grained magnetite from 313 to 319.
340.0	347.5	Iron formation. Abrupt change to white siliceous rock with contorted chloritic layering. No mineralisation.
347.5	408.5	Dacite. Very fine grained, grey-blue in colour, jointing at 30° - 40° to C.A. Occasional fleck pyrite. Becoming sheared at 45° to C.A. and somewhat chloritic from 385 to 408.5.
408.5	448.0	Felsite dyke. Fine grained except for occasional 1/4" feldspar phenocryst giving slightly porphyritic texture. Grey-green colour. Occasional fleck pyrite. Quartz jointing at various angles becoming normal to C.A, at about 445. Extreme shearing and brecciation, quartz filled from 456-1/2 to end.
448.0	478.6	Pink rhyolite porphyry. Massive, fine grained.
478.6	479.0	Peridotite. Greatly altered and sheared.

479 - END OF HOLE

J.A. Stocking



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HOLE NO. W-7

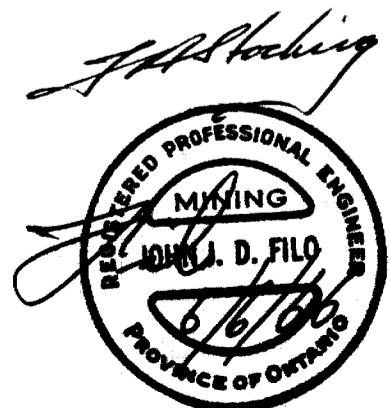
DRILL HOLE LOG

SHEET NO. 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Languir Twp.		Started: May 3, 1966
Latitude: 0400		Finished: May 9, 1966
Departure: 5400W	Bearing: 270°	Depth: 502'
Elevation:	Dip: 50°	Logged by: J. A. Stocking

0	60.0	Casing.
60.0	102.5	Dacite. Green-grey, fine to medium grained, massive. Occasional quartz-calcite filled joint at normal to core axis.
102.5	122.0	Felsite dyke. Dark grey, very fine grained, considerably sheared at 45° to C.A. Shearing filled with quartz-calcite.
122.0	145.5	As 60 - 102.5 with 6 inch chloritic breccia from 145.0 to 145.5.
145.5	153.0	As 102.5 - 122.0 with scattered crystalline pyrite throughout.
153.0	155.5	White "bull" quartz vein at 45° to core axis.
155.5	187.0	Andesite. Grey-green medium grained, fairly massive. Well cemented flow lines and joints at any angle to C.A.
187.0	208.0	Sheared and altered contact zone. Chlorite, sericite and siderite as alteration minerals. Ground core: 2' at 189', 1' at 193', 3' at 198', 4' at 201'.
208.0	235.0	Peridotite. Very talcose, dark grey, mottled with light coloured carbonate. Joints and stringers of soft reddish material, probably hematite alteration product. Ground core: 2' at 231', 1' at 234'.
235.0	240.0	Chlorite schist. Bright green, very soft, with occasional light coloured carbonate joint filling. Ground core: 1' at 240'.
240.0	314.0	Peridotite. Very talcose, medium grey, mottled. Fairly massive at start, becoming increasingly broken up as carbonate (magnetite?) content increases. From 281 to 314 white carbonate makes up 25-30% of rock. 1/2 to 1% cubic pyrite from 299 to 304;
314.0	324.5	Felsite dyke. Fine grained, grey-green, massive.
324.5	432.0	Peridotite. Massive, fine grained somewhat talcose with slight serpentization from 345 to 347.
432.0	502;0	Peridotite. Greatly altered with carbonate, talc, and up to 1% crystalline magnetite throughout. Light grey-green colour except where water-filled shear zone at 432 to 434 has caused carbonate to assume rusty orange colour. Magnetite crystals decrease after 470 but are still noted occasionally until end.

502' - END OF HOLE



FILO GEOPHYSICS LIMITED

HOLE NO. W-8

DRILL HOLE LOG

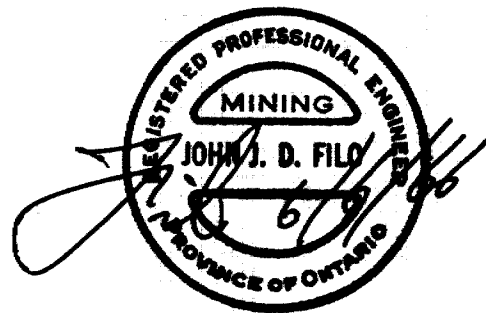
SHEET NO. 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Waco Petroleum Limited - Langmuir Twp.		Started: May 10, 1966
Latitude: 7400S		Finished: May 16, 1966
Departure: 2400W	Bearing: 90°	Depth: 352'
Elevation:	Dip: 50°	Logged by: J. A. Stocking

0	62.0	Casing.
62.0	114.0	Peridotite. Tallose, fine grained, medium grey. Occasional 1' section shows scattered pyrite crystals but most of section barren of sulphides. Non-magnetic. One foot rusty weathering carbonate shears at 98' and 113'.
114.0	135.5	Felsite dyke. Very fine grained, light grey, with short sections and 1 to 2 inch blobs of peridotite as remnants. 2 inch quartz-calcite stringers at 120' and 125'. Ground core: 1' at 120.5.
135.5	140.0	Peridotite. Probably a remnant. Greatly altered to talc-carbonate schist. Light green with whitish carbonate cutting core at 25° to G.A.
140.0	142.0	Felsite dyke. Fine grained, pinkish with scattered crystals pyrite.
142.0	168.0	Peridotite as 135.5 to 140.0. Ground core: 1' at 145'.
168.0	177.0	Rhyolite porphyry dyke. Fine grained, light green with occasional short pinkish sections containing 1% cubic pyrite.
177.0	204.0	Peridotite as before.
204.0	282.7	Rhyolite. Some porphyritic sections. Ground mass almost glassy with scattered phenocrysts of quartz up to 1/8 inch. Greenish colour to 234.0 changing to pinkish for rest of section.
282.7	321.0	Peridotite as before except even more broken up and altered. Carbonate makes up 25% of core. Occasional tiny crystal pyrite. Non-magnetic.
321.0	343.5	Felsite dyke. Very fine grained, light grey, massive. Occasional pyrite crystal.
343.5	349.0	Peridotite. Chloritic, fine grained, slight carbonate-filled shearing at 45° to G.A. Non-magnetic.
349.0	351.0	Felsite dyke. Pink, fine grained, massive. Occasional pyrite crystal.
351.0	352.0	Peridotite. Chloritic, sheared at 45° to G.A.

352' - END OF HOLE

J. A. Stocking



2+00 W

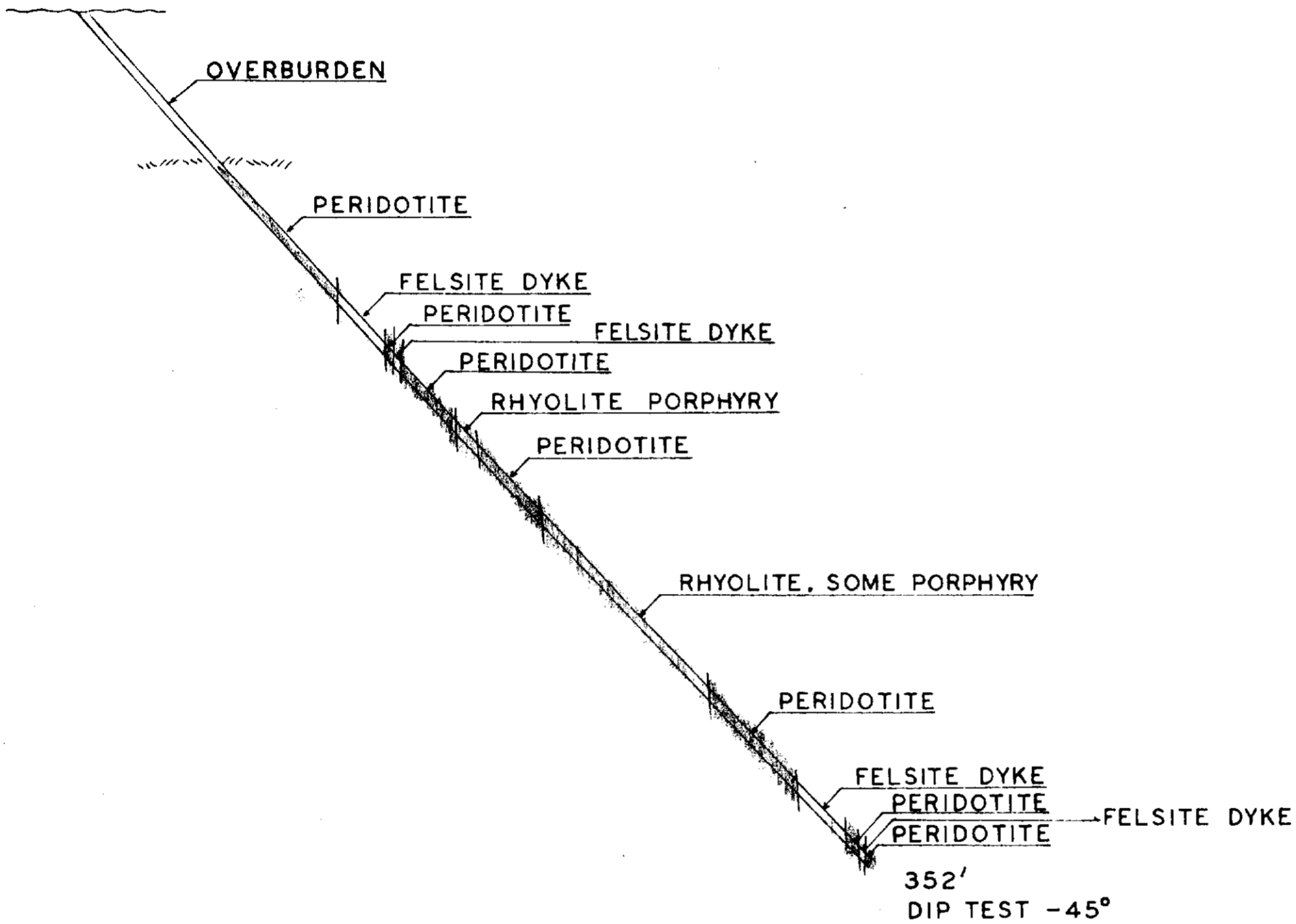
1+00 W

0+00

1+00 E

2+00 E

7+00 S



42A06SE0034 17 LANGMUIR

200

WACO PETROLEUMS LTD.

LANGMUIR TWP

PORCUPINE

HOLE : W-8

DIP : 50°

LAT. : 7+00 S

AZIM. : 90°

DEP. : 2+00 W

SCALE : 1" = 40'

DATE : MAY, 66

BY : J.A.S.

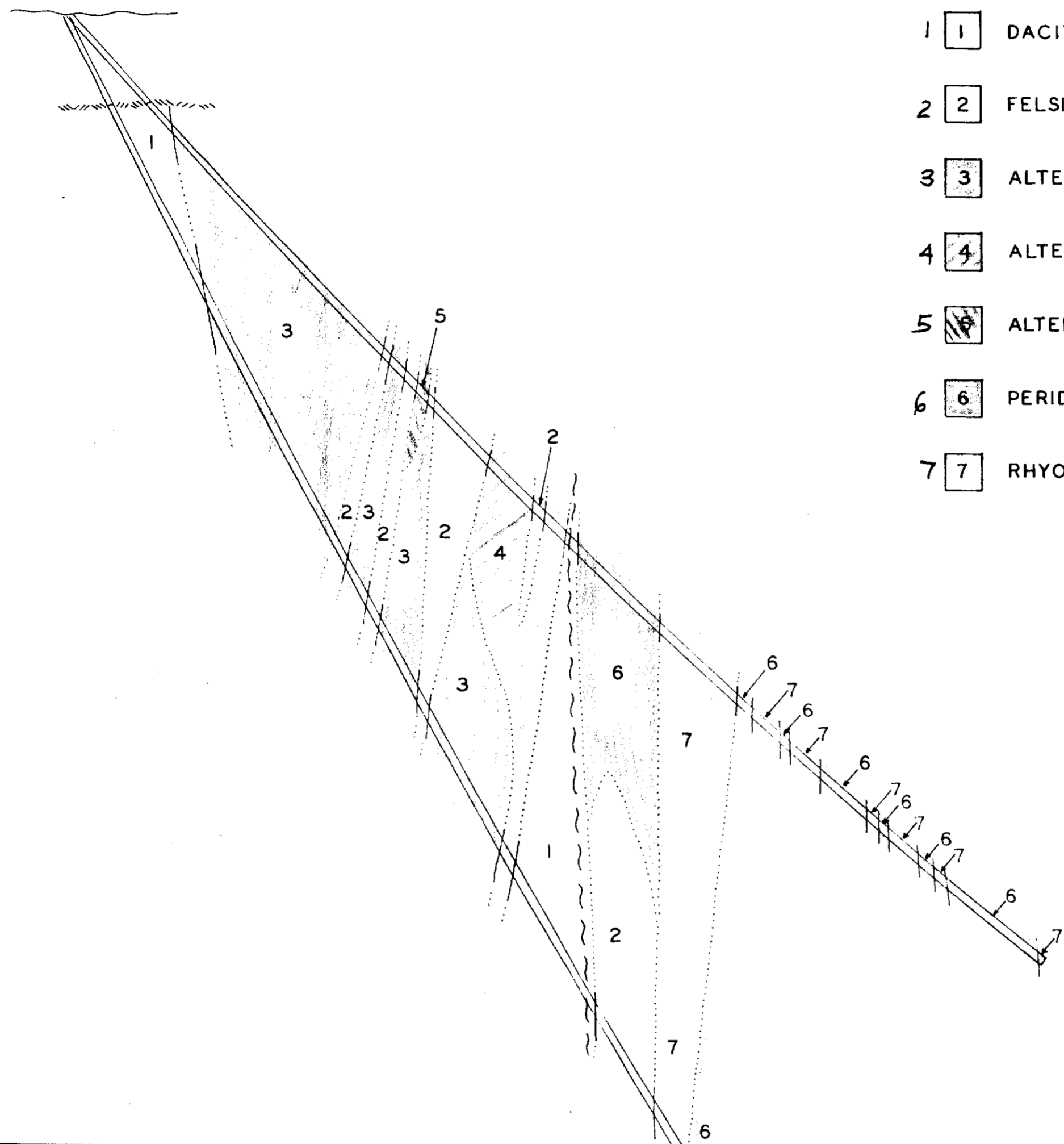


4+00 W 3+00 W 2+00 W 1+00 W 0+00

LINE 4+00 S

LEGEND

- 1 [1] DACITE
- 2 [2] FELSITE DYKE
- 3 [3] ALTERED IRON FMN. GREEN
- 4 [4] ALTERED IRON FMN. WHITE
- 5 [5] ALTERED IRON FMN. BLACK
- 6 [6] PERIDOTITE
- 7 [7] RHYOLITE & RHYOLITE PORPHYRY



502'
DIP TEST -38°

479'
DIP TEST -58°

WACO PETROLEUMS LTD.

LANGMUIR TWP		PORCUPINE	
HOLE : W-5	DIP : -50°	LAT. : 5+00 S	AZIM. : 90°
DEP. : 4+00 W			
HOLE : W-6	DIP : -65°	LAT, DEP. & AZIM. SAME AS W-5	
SCALE : 40' = 1"	DATE : APR. 1966		



8+00 W

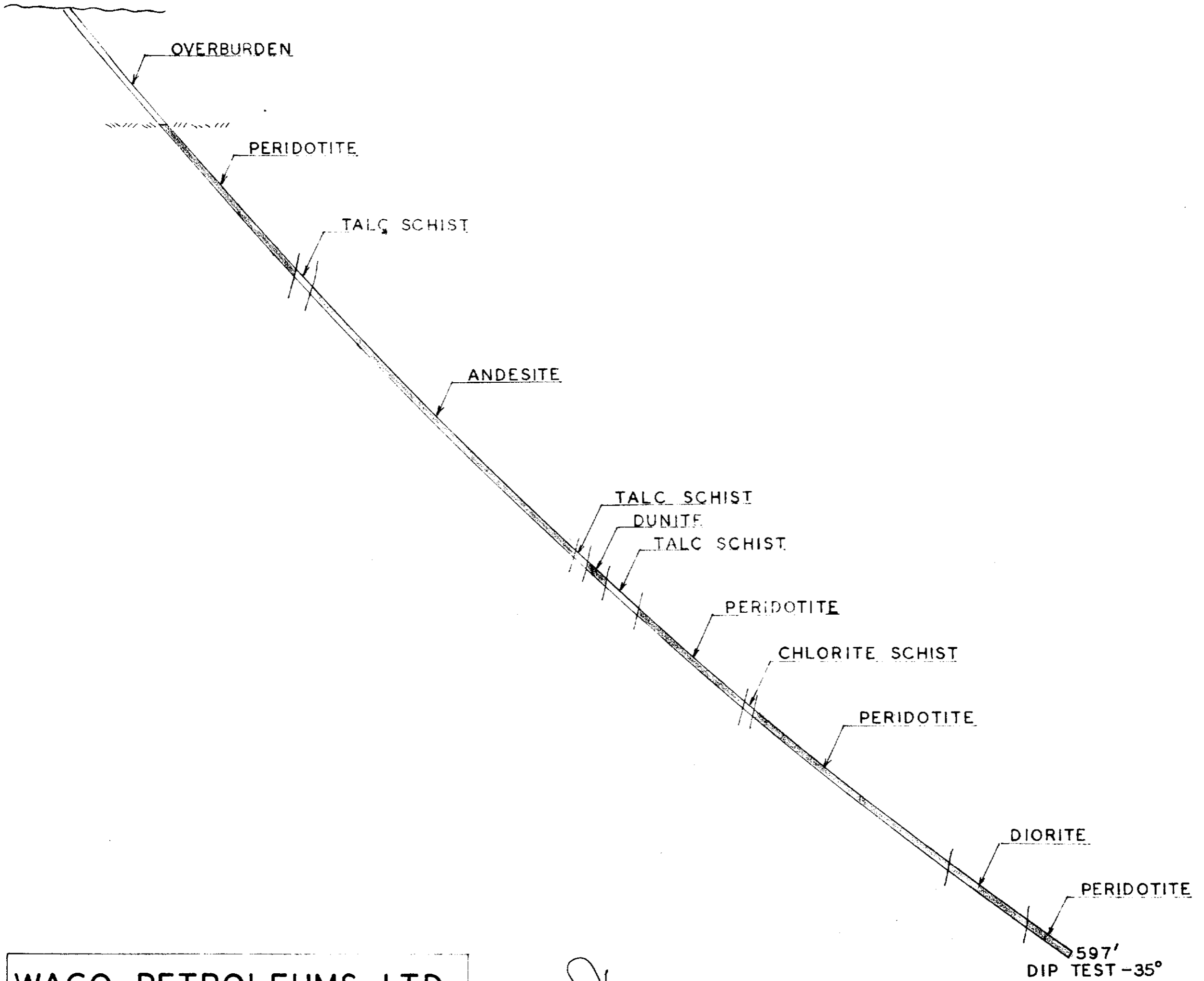
9+00 W

10+00 W

11+00 W

12+00 W

GRID LINE 0



WACO PETROLEUMS, LTD.

LANGMUIR TWP

PORCUPINE

HOLE : W-1

DIP : 52°

LAT. : 0+00

AZIM. : 270°

DEP. : 8+00 W

SCALE : 1" = 40'

DATE : MAR. 66

BY : J.A.S.



4+00 W

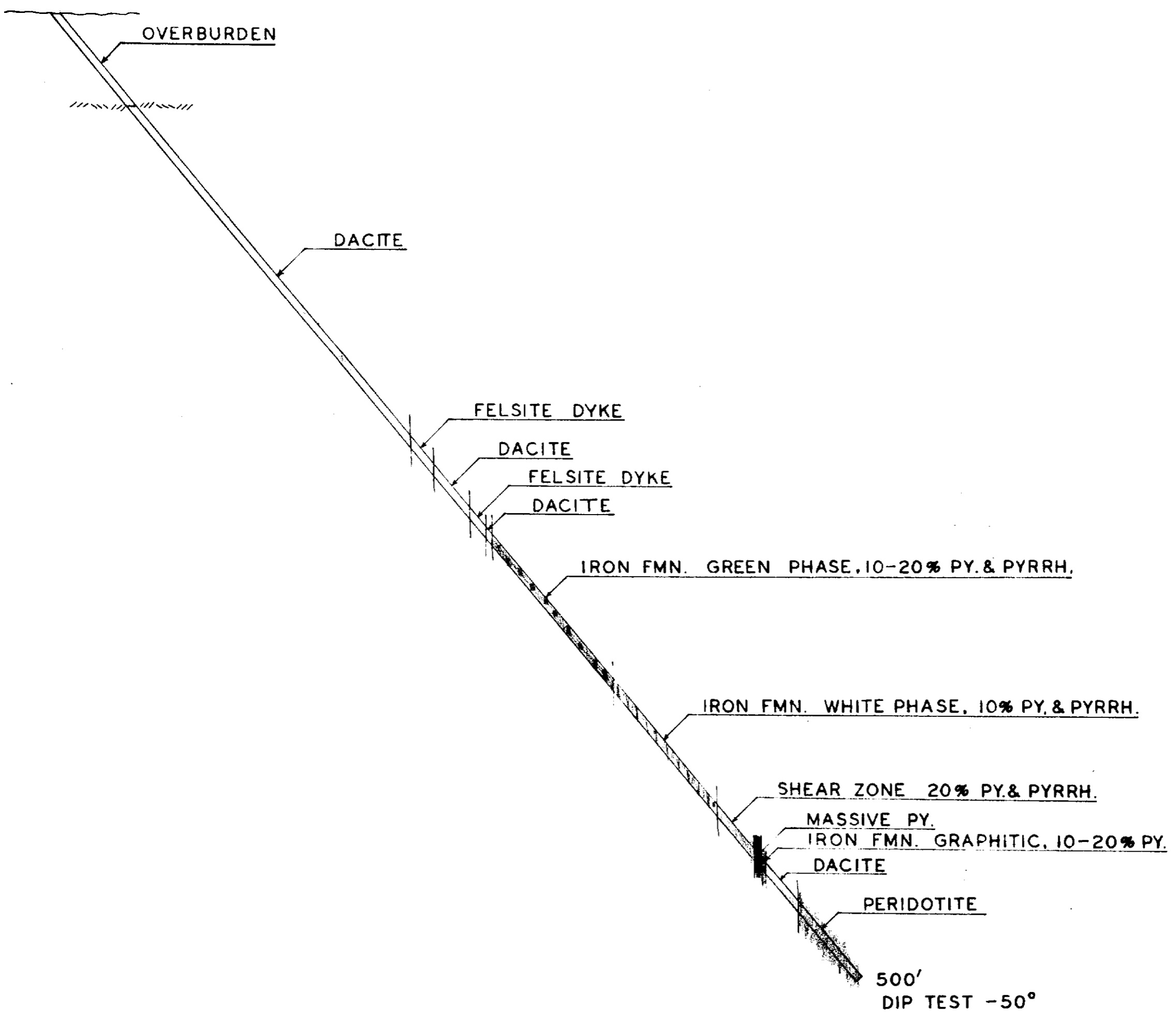
3+00 W

2+00 W

1+00 W

0+00 W

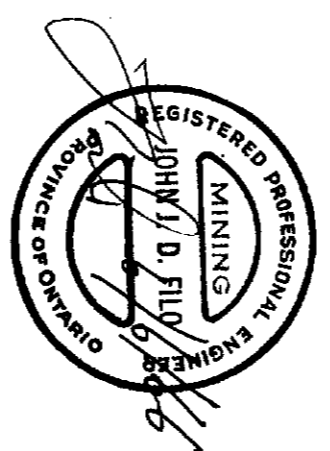
GRID LINE 4+00 S



WACO PETROLEUMS LTD.

LANGMUIR TWP PORCUPINE

HOLE : W-3	DIP : -50°
LAT : 4+00 S	AZIM : 90°
DEP : 4+00 W	SCALE : 1" = 40'
DATE : APR. 66	BY : J.A.S.



6+00 E

7+00 E

8+00 E

9+00 E

10+00 E

LINE 4+00 S

CREEK

ENTIRE HOLE IN PERIDOTITE. SEE LOG FOR MINOR VARIATIONS
IN COMPOSITION AND OR ALTERATION

WACO PETROLEUMS LTD.

LANGMUIR TWP

PORCUPINE

HOLE : W-4
LAT : 4+00 S
DEP : 6+00 E
DATE : MAY 66

DIP : -60°
AZIM. : 90°
SCALE : 1" = 40'
BY : J.A.S.

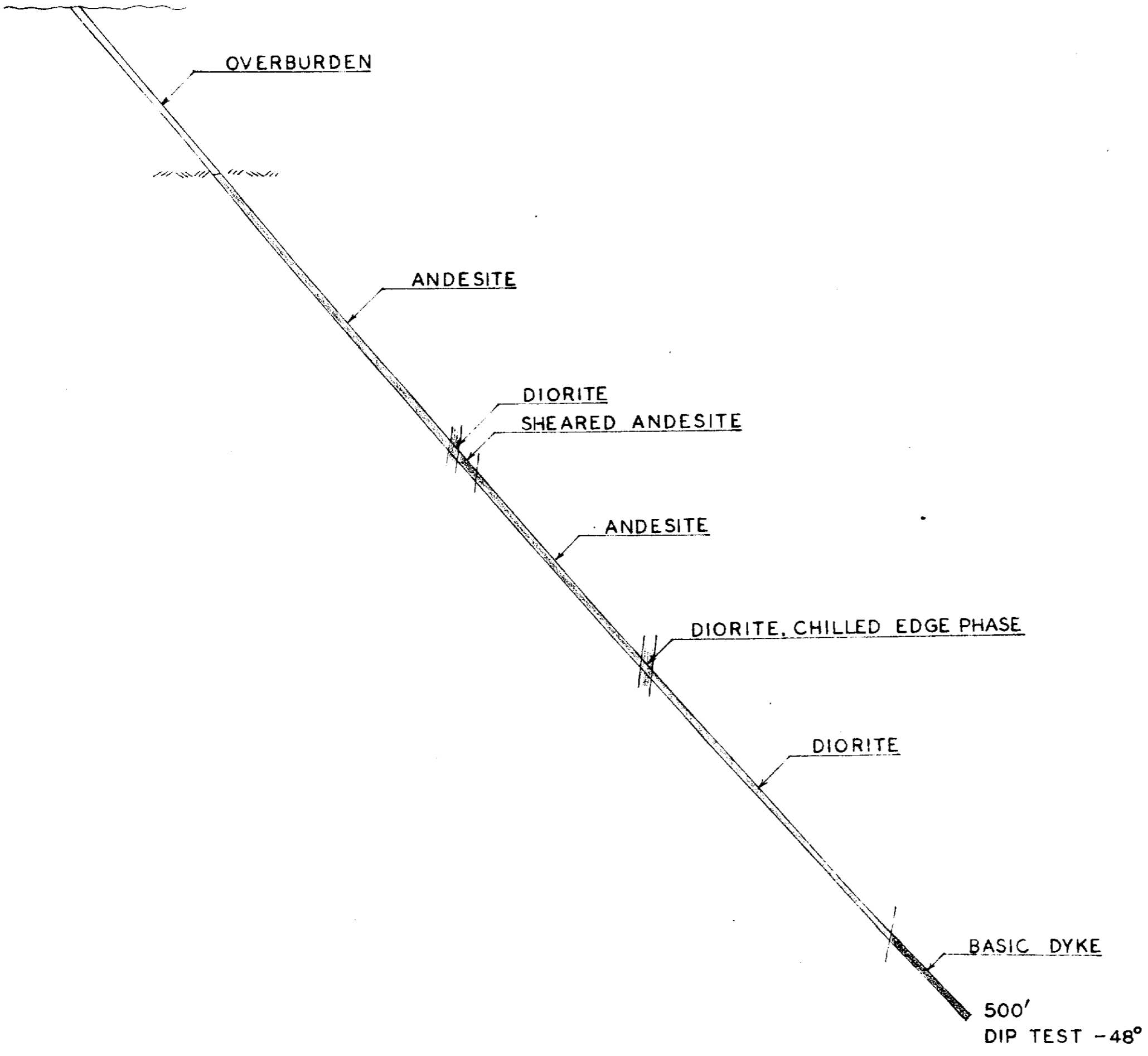
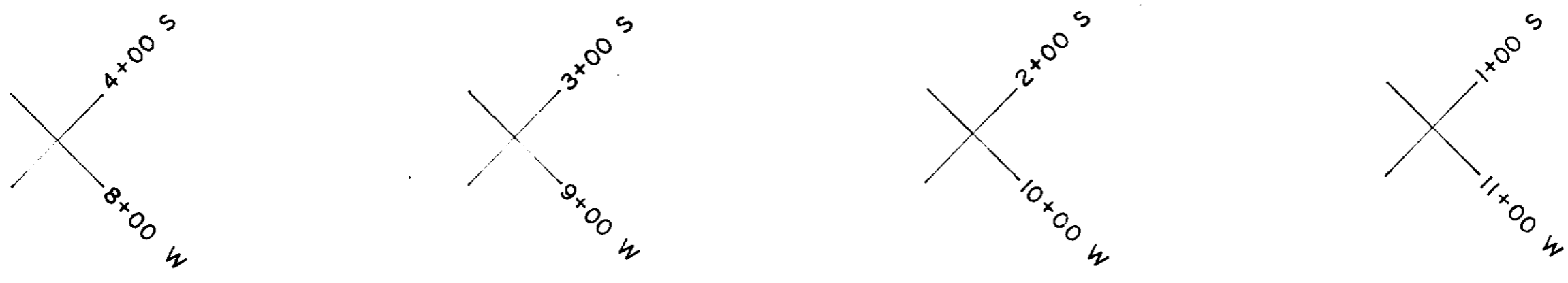


SERPENTENIZED SHEAR

657'
DIP TEST -60°



42A06SE0034 17 LANGMUIR



WACO PETROLEUMS, LTD.

LANGMUIR TWP		PORCUPINE	
HOLE : W-2	DIP : -50°		
LAT : 4+00 S	AZIM : 315°		
DEP : 8+00 W	SCALE : 1" = 40'		
DATE : APR. 66	BY : J.A.S.		



42A065E0034 17 LANGMUIR

5+00 W

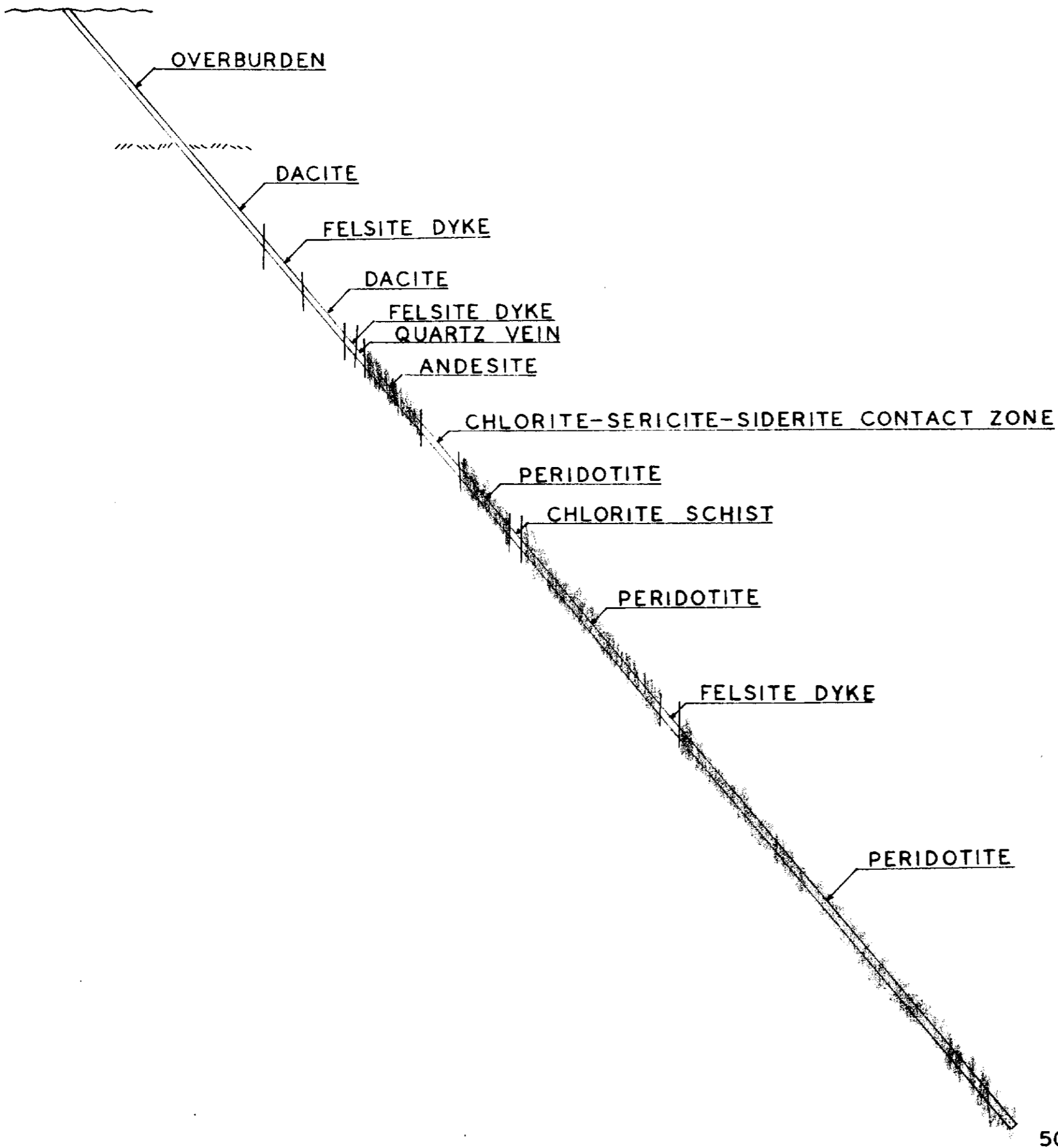
6+00 W

7+00 W

8+00 W

9+00 W

LINE 0+00

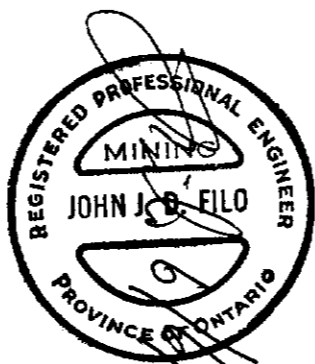


502'
DIP TEST -50°

WACO PETROLEUMS LTD.

LANGMUIR TWP. PORCUPINE

HOLE : W-7	DIP : 52°
LAT. : 0+00	AZIM. : 270°
DEP : 5+00 W	SCALE : 1" = 40'
DATE : MAY 66	BY : J.A.S.



42A06SE0034 17 LANGMUIR