



41105NE0026 0021C1 DRURY

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REPORT  
ON A  
GEOPHYSICAL SURVEY  
OVER

~~ACHE GAS & OIL CO., LIMITED CLAIMS~~

IN

~~DRURY TOWNSHIP~~  
~~DRURY TOWNSHIP~~  
SUDBURY MINING DIVISION

BY

J. DUNCAN CRONE  
CONSULTING GEOPHYSICIST

March 16th, 1967

Report on a Geophysical Survey  
Over Acme Gas & Oil Co., Limited Claims In  
Drury Township, Sudbury Mining Division

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INTRODUCTION:

An Electromagnetic survey was conducted over a portion of Acme's claim group in Drury Township. The purpose of the survey was to detect copper-nickel mineralization. Ten claims were covered by the survey, numbered S-136371, S-136372, S-136373, S-136374, S-136377, S-136378, S-134888, S-134889, S-134891 and S-137385.

LOCATION:

The claims are situated 30 miles west of Sudbury and 10 miles north of Highway 17. Access is by gravel road to the northeast corner of the claim group.

GEOLOGY:

A separate report by L. J. Cunningham, Mining Engineer, covers the geology of the property. The copper showing on Claim S-137385 and marked on the Ontario Map 2055 was examined and tested with E.M. profiles. The showing was not detected, probably due to the sulphides not occurring in sufficient quantity to produce a conductive zone. The other copper occurrence shown on Map 2055 in the northern portion of Lot 6, Concession IV, was not located on the ground.

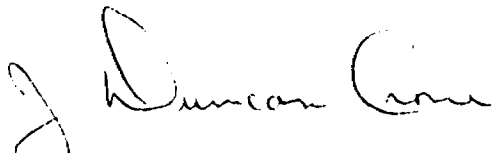
EQUIPMENT USED:

A Crone dual frequency (480-1800 cps.) E.M. unit was used in the standard in-line method. A spacing between operators of 300 ft. was maintained with the resultant dip angle plotted at the mid-point between the two men. The high frequency was used throughout the survey.

RESULTS OF SURVEY:

No anomalies were detected by the survey. No further work is recommended over the area covered as far as nickel-copper mineralization is concerned.

Respectfully submitted,



J. Duncan Crone,  
Consulting Geophysicist.

March 16th, 1967.

ASSESSMENT WORK



41105NE0026 0021C1 DRURY

900

1. FIELD WORK

<u>Type of Work</u>	<u>Name &amp; Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
E.M.	W. Gloster, Timmins, Ontario	Nov. 16 to Dec. 12/66	3
	S. Grimsell, Worthington, Ontario	Dec. 7/66	1
	F. Koesar, Timmins, Ontario	Dec. 5 to 12/66	2
	W. Wilson, Timmins, Ontario	Dec. 5 to Dec. 12/66	1

2. CONSULTANTS

<u>Name &amp; Address</u>	<u>Dates Worked (specify in field or office)</u>	<u>Number of 8 hour days</u>
J. D. Crono, Port Credit, Ont.	December, 1966 Field	3
	March 15/67 Office	1

3. DRAUGHTSMAN, TYPING, OTHERS (specify)

<u>Name &amp; Address</u>	<u>Type of Work</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
R. C. Denonco, Timmins, Ontario	Drafting	March 13/67	1
R. Breitner, Toronto, Ontario	Typing	March 17/67	1

TOTAL 8 HOUR TECHNICAL DAYS 15

4. LINE-CUTTING

<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
W. Gloster,	Timmins, Ontario	Dec. 11/66	2
S. Grimsell,	Worthington, Ontario	Nov. 17 - 19/66	2
F. Koesar,	Timmins, Ontario	Nov. 16 - Dec. 12/66	15
W. Wilson,	Timmins, Ontario	Nov. 16 - Dec. 12/66	14

TOTAL 8 HOUR LINE-CUTTING DAYS 32

ASSESSMENT WORK BREAKDOWN

1. Type of Survey Electromagnetic  
 2. Township or Area Drury Township  
 3. Numbers of Mining Claims Traversed by Survey S-136371, S-136372, S-136373, S-136374, S-137305, S-134891, S-134888, S-134889, S-136377, S-136378, S-137585, S-134891, S-134888, S-134889, S-136377, S-136378

4. Number of Miles of Line Cut 14.6 Flown \_\_\_\_\_  
 \*5. Number of Stations Established 400  
 \*6. Make and type of Instrument Used Crono J.E.H.  
 \*7. Scale Constant or Sensitivity \_\_\_\_\_  
 \*8. Frequency Used and Power Output \_\_\_\_\_

9. Summary of Assessment Credits (details on reverse side)  
 Total 8 hour Technical Days (Include Consultants, Draughting etc.) 15  
 Total 8 hour Line-Cutting Days 32

Calculation

$$\frac{15}{\text{Technical}} \times 7 = \frac{105}{\text{Line-cutting}} + \frac{32}{\text{Line-cutting}} = \frac{137}{\text{Line-cutting}} \div \frac{10}{\text{Number of claims}} = \frac{13.7}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims  Check  
 If otherwise, please explain \_\_\_\_\_

Dated: March 20th, 1967 Signed: J. D. Crono

- Note: (A) \* Complete only if applicable.  
 (B) Complete list of names, addresses and dates on reverse side.  
 (C) Submit separate breakdown for each type of survey.  
 (D) Submit in duplicate.

EASTERN ONTARIO  
MINING DIVISION



ONTARIO

63.2155

PARLIAMENT BUILDINGS  
TORONTO 2, ONTARIO  
TEL. 365-1322

DEPARTMENT OF MINES

OFFICE OF MINING RECORDER

September 28, 1967.

Dear Sir:

Subject: Geophysical and Geological Surveys

The assessment work credits as shown on the attached list have been approved as of the above date. Please inform the recorded holder and so indicate on your records.

Yours very truly,

A handwritten signature in cursive script, appearing to read "F. W. Matthews".

Fred W. Matthews,  
Mining Recorder.

/esc  
Att.

cc: Acme Gas & Oil Co. Ltd.,  
Dr. J. F. Donovan.

Mr. K. M. Mallock,  
Mining Recorder,  
Sudbury, Ontario.

File: 63.2158

THE MINING ACT  
Assessment Work Credits

Name: ACME GAS & OIL CO. LTD.

Township or Area: DRURY TWP.

Number of Assessment work days per claim:

Geophysical 13.7 Electromagnetic Geological \_\_\_\_\_

Geochemical \_\_\_\_\_

Mining Claims: S 136371 to 136374 incl.

S 137385, 134891, 134888, 134889, 136377, 136378

TRILL TWP  
(M. 1163)

HYMAN TWP - 945

DENISON TWP  
(M. 756)

VI

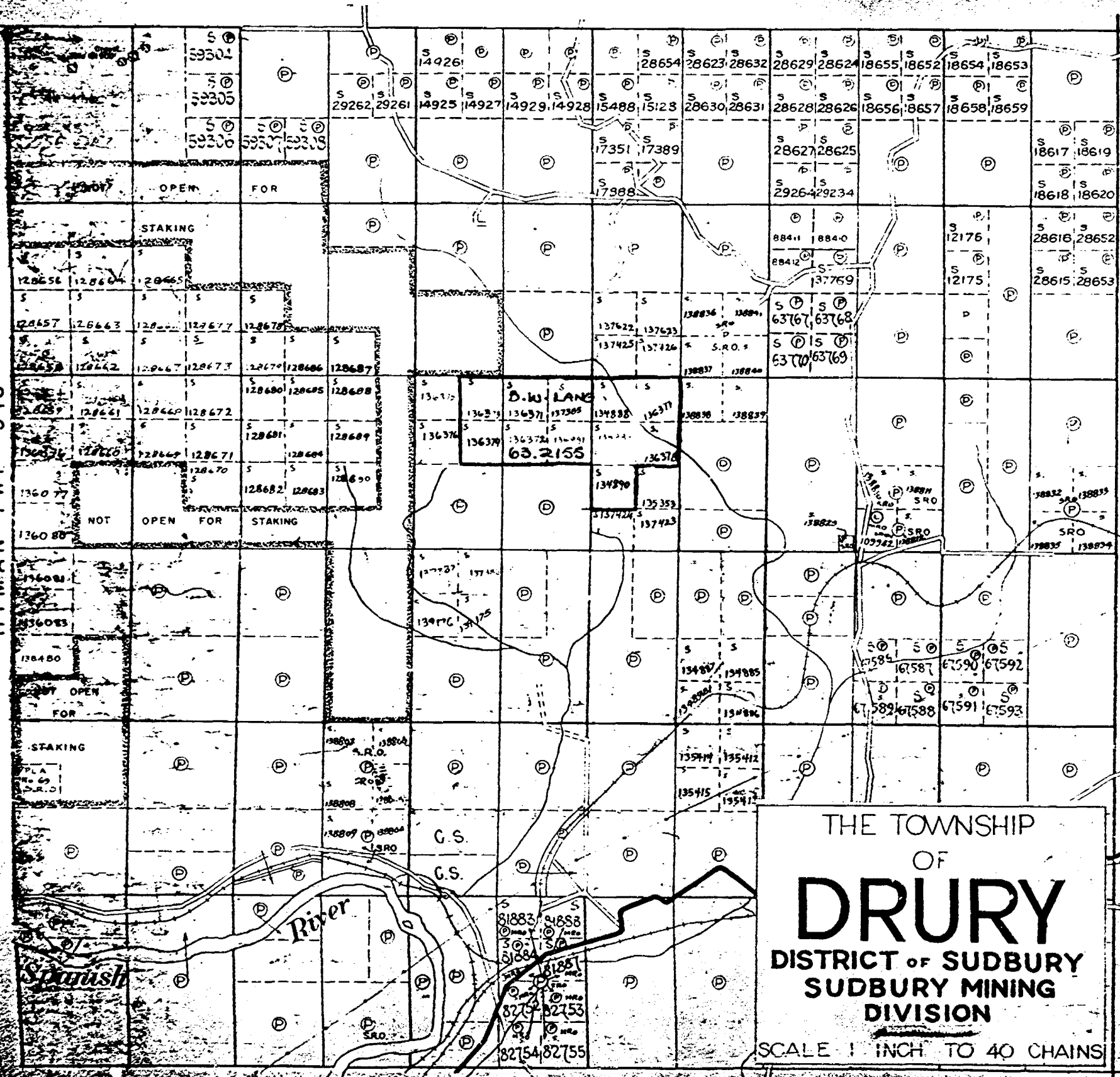
V

IV

III

II

I



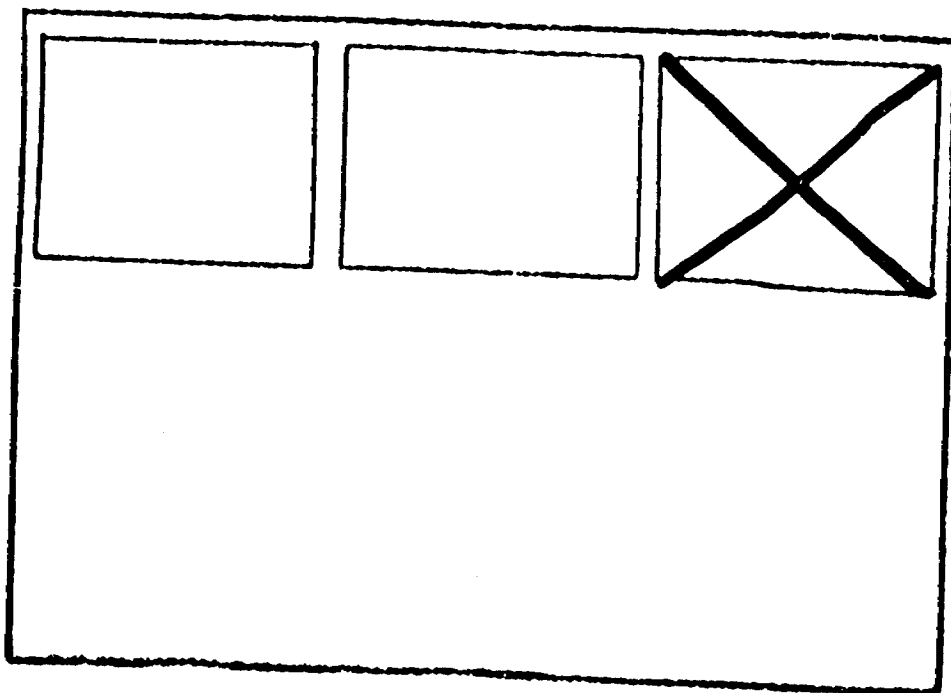
THE TOWNSHIP  
OF  
**DRURY**  
DISTRICT OF SUDBURY  
SUDBURY MINING  
DIVISION  
SCALE 1 INCH TO 40 CHAINS



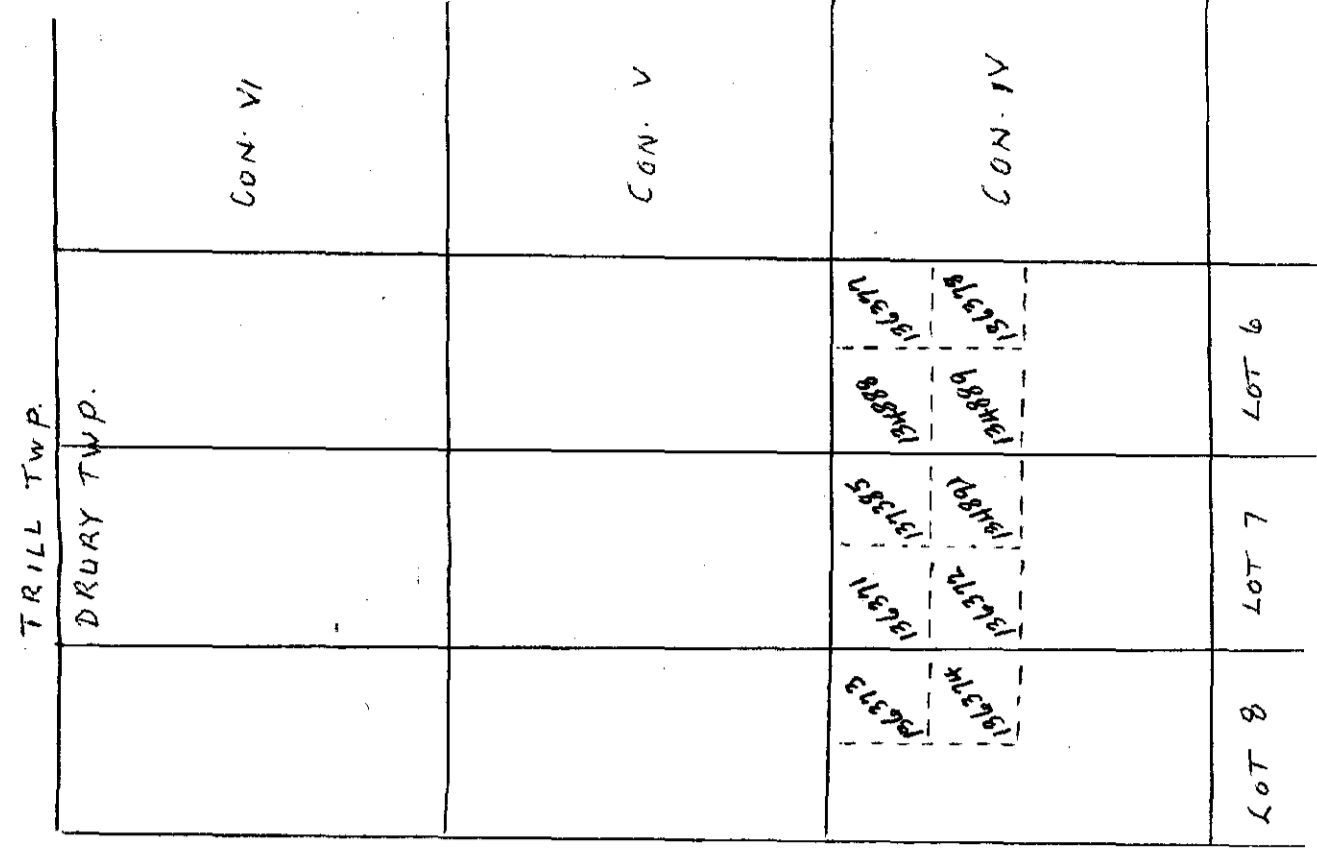
SEE ACCOMPANYING  
MAP(S) IDENTIFIED AS

DRURY-0021-C1-#1

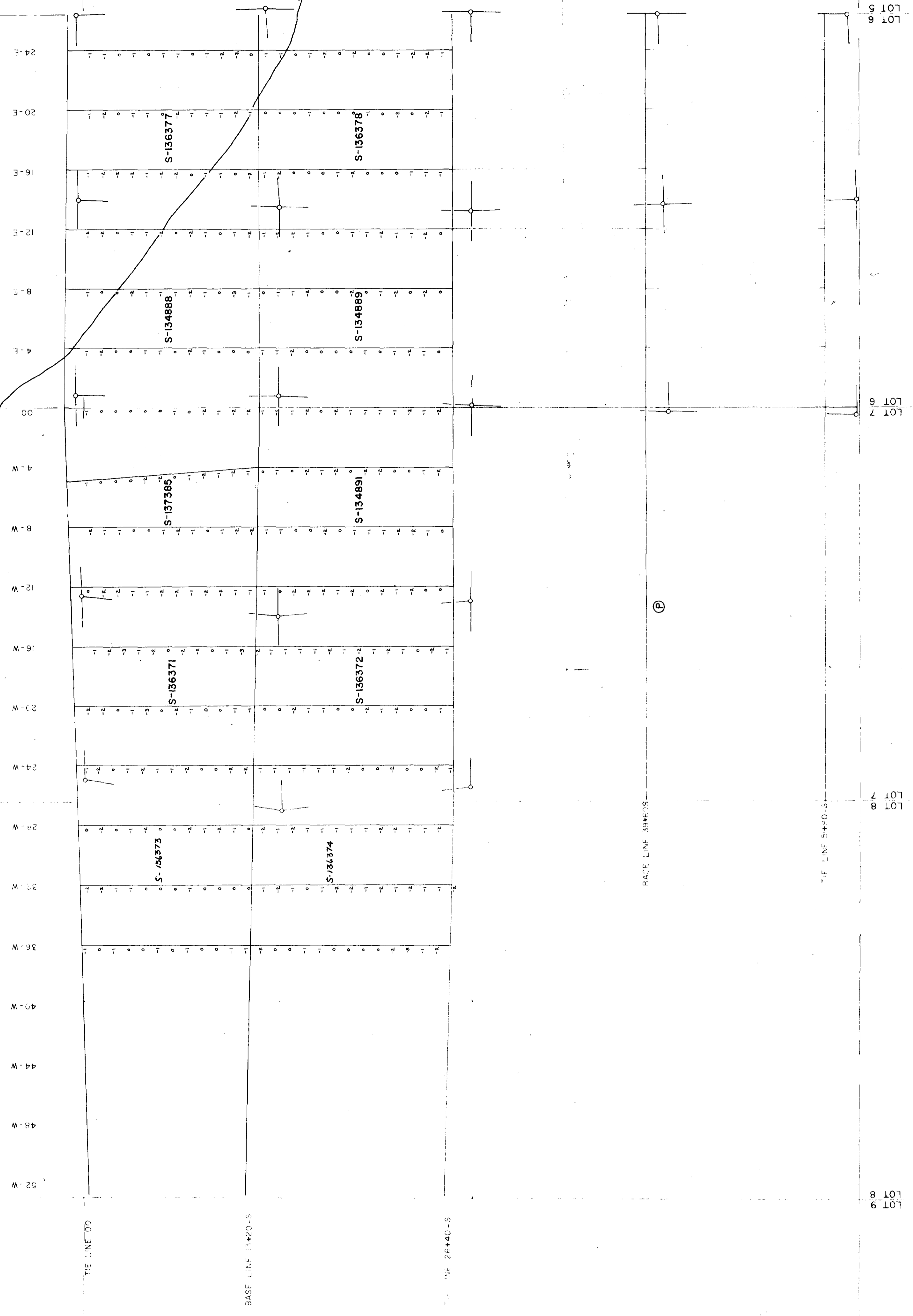
LOCATED IN THE MAP  
CHANNEL IN THE FOLLOWING  
SEQUENCE (X)



KEY MAP



CON. 5  
CON. 4



CON. 4  
CON. 3

ACME GAS & OIL CO. LTD.  
DRURY TWP.  
SCALE: 1"=400'  
ELECTRO-MAGNETIC SURVEY  
INSTRUMENT: CRONE J.E.M.  
DUAL FREQUENCY IN-LINE METHOD  
COILS 300' APART  
LEGEND

*J. Duncan Curran*  
Mar 16 / 67

DRURY-0021-C-#1

