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GEOPHYSICAL SURVEY
OF
WEST COAST MINES INC. PROPERTIES
(LEASED TO WESTERN MINERALS)
HUMBOLDT COUNTY, NEVADA

June 28, 1972

INTRODUCTION

This geophysical survey report has been prepared by using data obtained by performing an induced polarization survey on the following unpatented mining claims located in T36N, R37E, Section 6: Pansy Lee Lode, Pansy Lee Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, Pansy Lee Fraction, Pansy Lee Fraction Nos. 1, 2 and 3.

The field work and resulting presentations were performed during the month of June, 1972. This report will be recorded at Humboldt County, Nevada, Recorder's Office for assessment work on the foregoing mining claims for the year ending August 31, 1972.

GENERAL

The induced polarization survey was performed using the Wenner Array with a spacing of 100 feet which gives a measure of the sulphide minerals occurring within a hemisphere whose maximum depth is 100 feet. The survey was primarily concentrated near the Swede Shaft, where numerous sulphide veins occur, in an attempt to determine the extent of the known sulphide veins. Areas surveyed other than in the proximity of the Swede Shaft showed no appreciable induced polarization anomalies. From start to finish, the survey required fourteen days at an average daily cost of \$210.00, or a total cost of \$2940.00.

SURVEY FINDINGS

I.P. Survey Line No. 1.

The survey started at the center west side line of Pansy Lee Lode claim and ran 600 feet due east. The rock type being traversed

was basically phyllite with little, if any, graphite occurring in the rock. A pronounced anomaly was discovered between the 100E station and the 300E station. This anomaly definitely indicates a sulphide bearing vein. The vein is either a new one unknown prior to this survey, or possibly a faulted vein that has experienced a lateral movement of 100 plus feet.

I.P. Survey Line No. 2.

The survey started 300 feet west of Swede Shaft and ran 700 feet east of the Swede Shaft. The rock type being traversed was basically phyllite with little, if any, graphite occurring in the rock. There is one continuous anomaly extending from 100 feet west of the Swede Shaft and continuing 500 feet east of the Shaft. This anomaly is probably due to the large number of known sulphide veins covered by the traverse, as well as the country rocks being invaded with veinlets of sulphides.

I.P. Survey Line No. 3.

The survey started at the center west side line of the Pansy Lee No. 1 claim and running 800 feet west. The rock type being traversed was primarily sedimentary rocks, such as limestone and shale. There is one small anomaly of approximately 200 feet between the 350E and 550E stations. This mineralization is not a known vein in the area. More surveys would be required to further delineate the vein or mineralization.

I.P. Survey Line No. 4.

The survey started at a point 400 feet in a direction south 20°

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West Coast Mines Inc. Properties
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west from the Swede Shaft and running north 20° east for 1000 feet. Stations 100N to 300N traversed limestone and shale, 300N to 700N traversed phyllite, and 700N to 1000N traversed limestone and shale. One continuous anomaly exists from the 250N station to the 950N station. This traverse appears to coincide approximately with the strike of most of the veins.

SUMMARY

Interesting I.P. anomalies exist on the Pansy Lee Lode, Pansy Lee No. 1, Pansy Lee No. 2 and Pansy Lee No. 3 claims and should be further explored by exploration drilling of the anomalies.

AUTHOR'S QUALIFICATIONS

To establish the author's "Qualified Expert" status, which is necessary for this geological report to be acceptable for assessment work, his educational and geological experience backgrounds are as follows:

Education

Wichita State University, Wichita, Kansas, B.S. degree in geology. Graduated class of 1958.

Experience

Seven years experience in mineral exploration as consulting geologist, and as mineral exploration geologist for Peninsula Petroleum Corporation of Saratoga, California.

Eight years experience as petroleum geologist in the consulting capacity with various petroleum companies.

Registered Geologist No. 167 California.

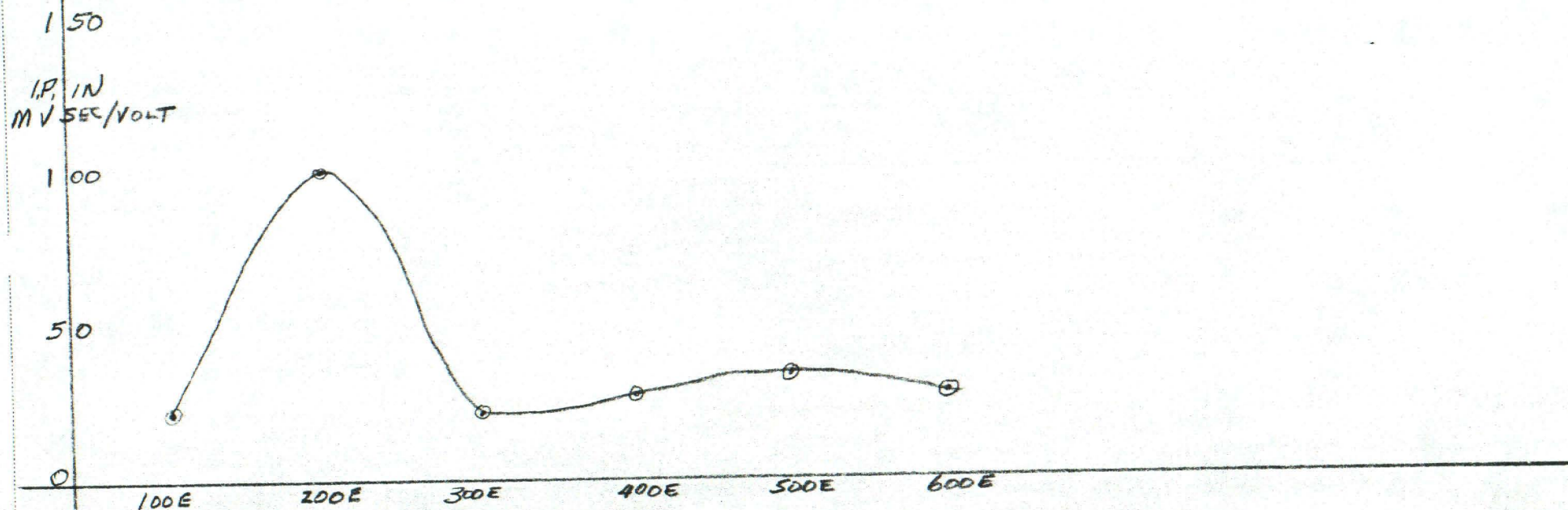
Member of American Institute of Mining Engineers.

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B. M. Clem
B. M. Clem
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I.P. SURVEY LINE NO. 1
BEGINNING CENTER WEST SIDE LINE PANSY LEE LODE
AND RUNNING 600' EAST



CLEM MINES, INC.
WEST COAST MINE
INDUCED POLARIZATION PROFILE
WENNER ARRAY
A = 100 Feet
SCALE 1" = 100 FEET
24 JUNE 1972

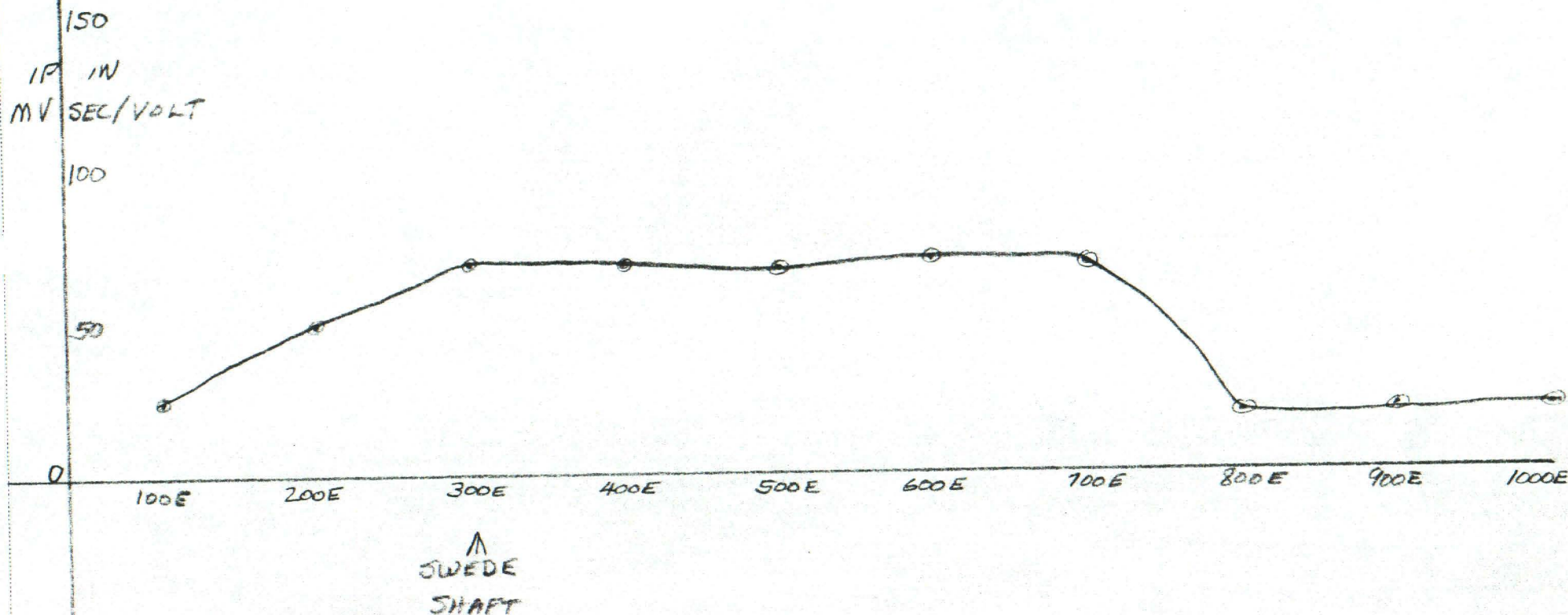
ROCK TYPE: PHYLLITE

SUBJECT _____

DATE _____
DATE _____

BY _____
CHKD. BY _____

I.P. SURVEY LINE No. 2
BEGINNING 300' WEST OF SWEDE SHAFT AND
RUNNING 700' EAST OF SWEDE SHAFT.



CLEM MINES, INC.
WEST COAST MINE
INDUCED POLARIZATION PROFILE
WENNER ARRAY
A = 100 FEET
SCALE 1" = 100 FEET
24 JUNE 1972

Rock TYPE: PHYLLITE

SHEET NO. OF
JOB NO.
SUBJECT
DATE
DATE
BY
CHKD. BY

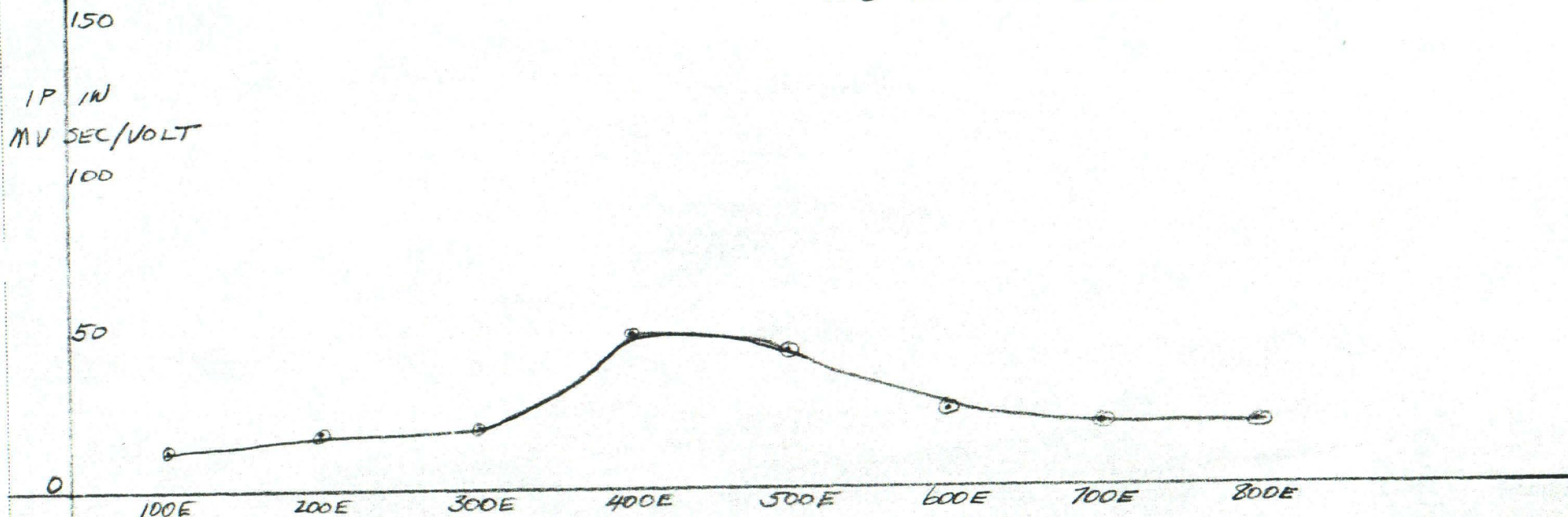
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IP SURVEY LINE No. 3
BEGINNING CENTER WEST SIDE LINE PANSY LEENb.1
AND RUNNING 800' EAST

SHEET NO. _____ OF _____
JOB NO. _____

SUBJECT _____

BY _____ DATE _____
CHKD. BY _____ DATE _____

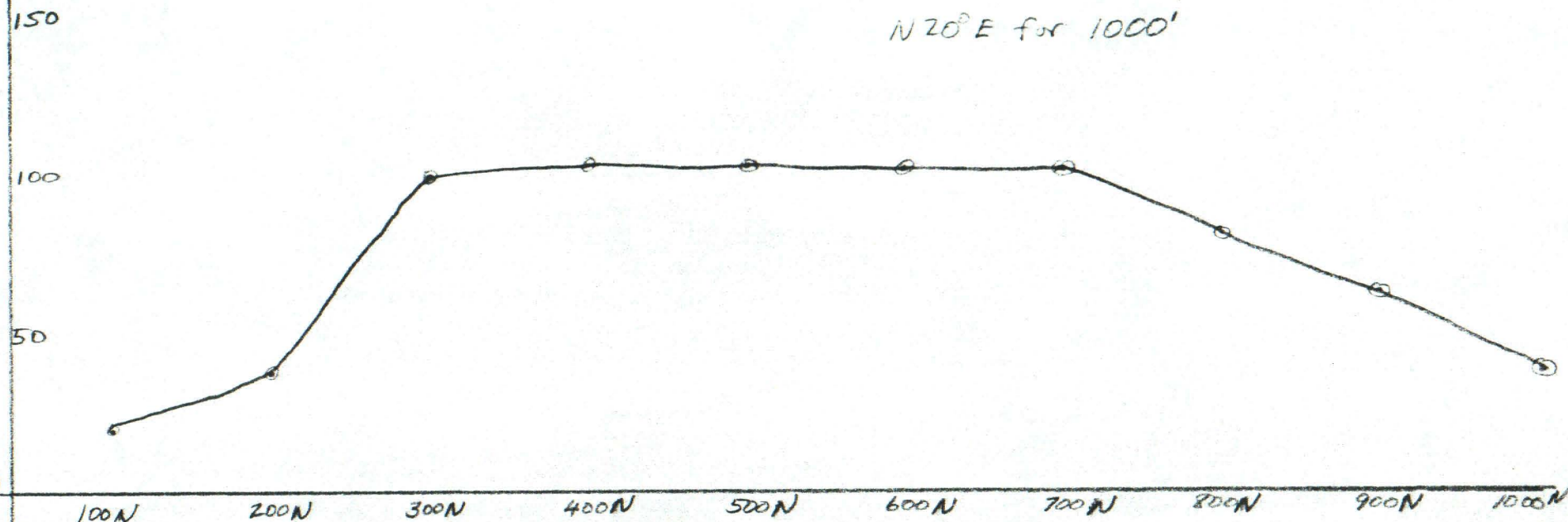


CLEM MINES, INC.
WEST COAST MINE
INDUCED POLARIZATION PROFILE
WENNER ARRAY
A = 100 FEET
SCALE 1" = 100 FEET
24 JUNE 1972

ROCK TYPE: SEDIMENTS - LS. & Sh.

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I.P. SURVEY LINE No. 4
BEGINNING AT A POINT 400' S20° W
FROM SWEDE SHAFT AND RUNNING
N20° E for 1000'



CLEM MINES, INC.
WEST COAST MINE
INDUCED POLARIZATION PROFILE
WENNER ARRAY
A = 100 FEET
SCALE 1" = 100 FEET
24 JUNE 1972

SEDIMENT: L.S. & SH.

PHYLLITE

SEDIMENT: LS & SH.

BY _____ DATE _____ SUBJECT _____ SHEET NO. _____ OF _____
CHKD. BY _____ DATE _____ JOB NO. _____

120000
Clem Mines, Inc.
West Coast Mine
Induced Polarization Profile
Wenner Array
A = 100 feet
Scale 1" = 100 feet
24 June 1972

[Handwritten notes and signatures, including a large 'X' mark]