

E.L. 246 'SPIRIT HILL'

ANNUAL REPORT

FOR THE PERIOD ENDING 27TH JUNE 1975

Distribution:

S.N.P.A.

Conwest

M.I.M.

Mines Department

Minerals

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SUMMARY

Exploration activity on this E.L. resumed in June 1975 after a pause of almost 2 years. A drilling program is under way to investigate possible occurrences of lead and zinc north of Spirit Hill.

1.0 INTRODUCTION

Exploration work on this E.L. was carried out intermittently since 1973 due to the fact that the Governmental approval of the joint venture between Aquitaine and Placer/Conwest and later M.I.M./Conwest was held up for over a year. Another delay occured when M.I.M. took over Placer and subsequently had to familiarize itself with previous work.

Negotiations with joint venture partners and their evaluation of previously obtained data meant that field work could only commence in June 1975.

All field work was supervised from our Sorby Hills camp in Western Australia.

2.0 PREVIOUS WORK

The Spirit Hill region was mapped by Aquitaine at a scale of 1:10,000 in 1973. Numerous showings of secondary mineralization were encountered. When it became clear that the outcropping mineralization was not associated with premary sulphides, we decided on a substantial geochemical program on the alluvial plains to the northeast and south of the Spirit Hills. 71 holes were drilled with a Mayhew 1000. No significant geochemical anomaly was encountered and, in places where we drilled into mineralized outcrops, no sulphides were found at depth. Part of the area was covered by an airborne magnetometer survey in 1974.

3.0 WORK CARRIED OUT IN 1975

The Devonian and Carboniferous stratigraphy and structure away from The Spirit Hills outcrops was poorly understood because of very limited outcrops, widely separated.

To assist our interpretation, we decided to drill stratigraphical drill holes north of Spirit Hill along one of the seismic lines. 4 bore holes are planned with 1000 meter spacing. These bore holes aim for stratigraphical information and also should reveal whether lead zinc mineralization, which was encountered in the Spirit Hill number 1 bore, extends to the basin margin.

At the end of the reported period, the first drilling was in progress. Preliminary results will be submitted in the next quarterly report. The drilling contractor is Davies Drilling Company. The rig used is a Schramm machine using reverse circulation. This rig was mobilized from Kalgoorlie.

Approximately 25 km of road grading was necessary to provide access to the drill sites.

4.0 CONCLUSIONS AND RECOMMENDATIONS

It is too early to draw conclusions from the preliminary results we have available. However, it is envisaged to investigate the south-east margin of the Bonaparte Gulf Basin north of Spirit Hill in a systematic manner by geophysical and geochemical means.

5.0 REFERENCES

RAMDOHR, R. (May 1973), Progress Report of Exploration on E.L. 246 to 21st June 1973. (MG 259), unpub.

RAMDOHR, R. & d'AUVERGNE, P. (August 1973) E.L. 246 'Spirit Hill' Final Report for the Period Ending 29th June 1973. (MG 305), unpub.

RAMDOHR, R. (December 1974), E.L. 246 'Spirit Hill' Annual Report for the Year Ending 29th June 1974. (MG 506) unpub.

6.0 EXPENDITURE

For the period 1st July 1974 to 30th June 1975

	\$
Accomodation & Associated Expenses	63.23
Permit Fees & Rentals	94.00
Repairs & Maintenance of Vehicles	37.15
Air Travel - Personnel	189.63
Transport and Freight	48.98
Maps, Photos & Mosaics	5.03
Magnetic Surveys	4,875.47
Geophysic general	1,625.15
Mobilization & drilling	7,900.00
Mineral Geology - Labour & Assoc. Expenses	2,258.24
Mineral Geology - General Expenses	293.32
Administration	2,592.61
Direct Management Costs	264.00
Drafting & Printing	101.62
	20,348.43



