



The Fifth Division Bureau Of Geophysical Prospecting

China National Petroleum Corporation

中国石油集团地球物理勘探局第五地质调查处

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加拿大凤凰公司:

我处分别于1998年, 2000年, 2001年分三批引进V5-2000产品共108台。经过几年的野外工作, 设备良好, 采集数据质量好, 技术先进, 使用方便。该仪器几年来共完成MT测点3180多个。为青海油田, 土哈油田的开发做出了贡献。在地震构造上解决了一些地震资料不好不能解决的问题。该仪器经过野外的低, 高, 复杂地形的考验性能完好是世界一流的MT仪器。我处于2001年引进了大功率发射机T-200, 今年5月通过专家验收, 并在大港油田做了一系列电剖面试验, 所得资料与油田资料吻合。下一步我们将要开展大功率CSA MT工作, (用于不能开展地震工作且其他地质资料都不能获得的地区。2002年4月我们引进了三台AMT仪器, 到现在已做测点800多个。分别在青岛, 甘肃, 大庆, 做了找水, 找矿, 找油的工程, 用户对资料非常满意并评价为世界一流的资料。

地调处

刘峰

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TRANSLATION OF LETTER FROM
**Equipment Department of
The 5TH Division, Bureau of Geophysical Prospecting, China National
Petroleum Corp.**

TO: Phoenix Geophysics Ltd., Canada

In 1998, 2000 and 2001 our Division separately purchased several V5-2000 Systems, with a total of 108 data acquisition stations.

Over these few years of use in the field surveys the equipments have been functioning well and with high data quality. They are technically advanced and easy to use.

All together, there are already 31,800 points of MT surveys acquired with these equipments. They have contributed to the development of Qinghai and Turpan-Hami Oilfields and solved the geological structural problems which cannot be done with seismic due to poor data quality.

These equipments have been used extensively in the field through low and high temperatures, as well as rugged terrains. It is a field hardened, world-class MT instrument.

In 2001 our Division imported the T-200 high-power transmitter made by Phoenix. It has passed the acceptance tests by a group of experts. The tests includes Complex Resistivity (CR) data acquisition over a section of Dagang Oil Field and the CR profile matches the oil field's data (acquired with other techniques). We are planning to used the T-200 in the near future for High Power CSAMT surveys in the areas where seismic cannot be used and other electroprospecting techniques also cannot produce good data.

In April of 2002 we purchased 3 sets of AMT instrument. Up to date we have completed more than 800 points of surveys in Qinghai Province for ground water, Ganxu Province for minerals and Changqing for oil and gas. Our clients are very happy with the data quality and commented that the data is of world class quality.

BGP-5th Division
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