

#29

GL04455

Mercury Analysis -

1974 Gradient Holes

BACA PROJECT
DATA AND REPORTS

GEOLOGY

| <u>No.</u> | <u>Transfer Date</u> | <u>Release Date</u> | <u>Title</u> |
|------------|--------------------------|-------------------------|--|
| 1. | B | B | Hydrothermal Geology of the Valles Caldera, New Mexico by R.F. Dondanville - 1971. |
| 2. | B | B | Airborne Infrared Geothermal Exploration--Valles Caldera, New Mexico Earth Resources Operations, North American Rockwell Corp.-1972. |
| 3. | B | B | Electrical Resistivity Survey in Valles Caldera, New Mexico by Group Seven, Inc. - 1972. |
| 4. | B | B | Additional Data--Electrical Resistivity Survey in the Valles Caldera, New Mexico by Group Seven, Inc. - 1972. |
| 5. | B | B | Reconnaissance Resistivity Survey Baca Property, McPhar - 1973. |
| 6. | B | B | Supplemental Report--Reconnaissance Resistivity and Schlumberger Depth Sounding Surveys Baca Property - McPhar - 1973. |
| 7. | B | B | Quantitative Gravity Interpretation Valles Caldera Area, New Mexico by R.L. Segar - 1974. |
| 8. | B | B | Mercury Soil Gas Survey Baca Prospect by Allied Geophysics Inc. - 1974. |
| 9. | A | A | Geothermal Geology of the Redondo Creek Area Baca Location by T.R. Slodowski - 1976. |
| 10. | B | B | Geothermal Geology of the Redondo Creek Area Baca Location by T.R. Slodowski - 1976. |
| 11. | B | B | Magnetotelluric--Telluric Profile Survey, Valles Caldera Prospect by Geonomics - 1976. |
| 12. | B | B | Geological Resume of the Valles Caldera by T.R. Slodowski - 1977. |



MIDVALE OFFICE

File Boca Man Survey

ROCKY MOUNTAIN GEOCHEMICAL CORP.

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Certificate of Analysis

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Date: December 31, 1974

Client: UNION OIL COMPANY OF CALIFORNIA
Geothermal Division
P.O.Box 7600
Los Angeles, CA 90051

RMGC Numbers: **74-47-32 SL-**

Local Job No.:

Foreign Job No.:

Invoice No.: **M 5547**

Client Order No.: None

Report On: 47 samples

Submitted by: Neil J. Stefanides

Date Received: December 23, 1974

Analysis: Mercury

Analytical Methods: Mercury Vapor Detection

Remarks:

cc: Enc. File (2)

LRR/llp

*Boca Gradient
hole - numbered
to such*

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.286 ppm 1 ppm = 0.0292 Troy oz./ton

Sample done from cuttings
of 1974 Gradient holes

Sample No.

ppb
Mercury

Sample No.

ppb
Mercury

| Sample No. | ppb Mercury | Sample No. | ppb Mercury |
|------------|-------------|------------|-------------|
| 51-100' | 380 | 59-250' | 620 |
| 51-200' | 620 | 60-100' | 80 |
| 51-250' | 510 | 60-200' | 190 |
| 52-100' | 460 | 60-250' | 135 |
| 52-200' | 430 | 61-100' | 80 |
| 52-250' | 730 | 61-200' | 55 |
| 53-100' | 55 | 61-250' | 55 |
| 53-200' | 80 | 62-100' | 25 |
| 53-250' | 55 | 62-200' | 55 |
| 54-100' | 270 | 62-250' | 80 |
| 54-200' | 295 | 63-100' | 55 |
| 54-250' | 460 | 63-200' | 25 |
| 55-100' | 160 | 63-250' | 55 |
| 55-200' | 55 | 64-100' | 25 |
| 55-250' | 110 | 64-200' | 80 |
| 56-100' | 1480 | 64-250' | 80 |
| 56-140' | 755 | 65-100' | 25 |
| 57-100' | 2370 | 65-200' | 25 |
| 57-200' | 190 | 65-250' | 55 |
| 57-250' | 110 | 66-100' | 55 |
| 58-100' | 945 | 66-200' | 25 |
| 58-200' | 915 | 66-250' | 110 |
| 58-250' | 430 | | |
| 59-100' | 1030 | | |
| 59-200' | 945 | | |

Def. Au

Def. Au

Not Anom
Pyritic
Why no more

Def. Au

Probable

Definite

Definite

Definite

Def

Def

Prob

NO

NO

NO

NO

NO

NO

By Lawrence R. Reid
Lawrence R. Reid

