

GW - 161

**MONITORING
REPORTS**

DATE:

1994

OIL CONSERVATION DIVISION
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ESOI

ENVIRONMENTAL
SERVICES, INC.

April 18, 1994

Mr. Chris Eustice
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

Dear Mr. Eustice

On behalf of Associated Natural Gas, Inc. (ANGI), I am enclosing the laboratory results of the chemical analyses of the lube oil for metals (I-Cap Scan) and benzene (EPA Method 8020) from ANGI's Rosa Compressor Station. This should fulfill the request for additional information made by the Oil Conservation Division on February 24, 1994 concerning the discharge plan submittal for ANGI's Rosa Compressor Station. Please feel free to call if you have any questions.

Sincerely



Robin K. DeLapp
Environmental Technician


5971 Jefferson NE
• Suite 104 •
• Albuquerque •
New Mexico 87109
505 • 345 • 3900



an Analytica Group company

325 Interlocken Parkway, Suite 200, Broomfield, CO 80021, (303) 469-8868, (800) 873-8707, FAX: (303) 469-5254

Environmental Services, Inc.
5971 Jefferson N.E.
Suite 104
Albuquerque, NM 87109
Attn: Robin Delapp

Order #: 94-03-080
Date: 04/12/94 10:39
Work ID: ESI
Date Received: 03/19/94
Date Completed: 04/11/94

SAMPLE IDENTIFICATION

| <u>Sample</u> <u>Number</u> | <u>Client Description</u> |
|--------------------------------|---------------------------|
| 01 | Rosa Comp |

| <u>Sample</u> <u>Number</u> | <u>Client Description</u> |
|--------------------------------|---------------------------|
|--------------------------------|---------------------------|

Enclosed are the analytical results for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues. A listing of data qualifiers and analytical codes is located on the TEST METHODOLOGIES page at the end of the report.

If you have any questions regarding the analyses, please feel free to call.

Sincerely,

Doyce T. Blair
Laboratory Director

Samples were prepared and analyzed according to methods outlined in the following references:

- o Test Methods for Evaluating Solid Waste, USEPA SW-846, Third Edition, Revision 1, November 1990.

Problems encountered with the analyses are discussed in the following narrative.

The 8080_O analysis for sample 9403080-01B was completed on both the GC/MS and the GC. The low surrogate recovery was verified and attributed to the sample matrix.

Sample: 01A Rosa Comp

Collected: 03/18/94

Matrix: OIL

| <u>Test Description</u> | <u>Method</u> | <u>Result</u> | <u>Q</u> | <u>Limit</u> | <u>Units</u> | <u>Analyzed</u> |
|-------------------------|---------------|---------------|----------|--------------|--------------|-----------------|
| ICP METALS, Total | SW 3050/6010 | | | | | |
| Aluminum | | ND | | 5.0 | mg/Kg | 04/07/94 |
| Antimony | | ND | | 5.0 | mg/Kg | 04/07/94 |
| Arsenic | | ND | | 5.0 | mg/Kg | 04/07/94 |
| Barium | | ND | | 1.0 | mg/Kg | 04/07/94 |
| Beryllium | | ND | | 0.50 | mg/Kg | 04/07/94 |
| Boron | | ND | | 2.0 | mg/Kg | 04/07/94 |
| Cadmium | | ND | | 0.50 | mg/Kg | 04/07/94 |
| Calcium | | 500 | | 10 | mg/Kg | 04/07/94 |
| Chromium | | ND | | 2.0 | mg/Kg | 04/07/94 |
| Cobalt | | ND | | 1.0 | mg/Kg | 04/07/94 |
| Copper | | ND | | 1.0 | mg/Kg | 04/07/94 |
| Iron | | 6.2 | | 2.0 | mg/Kg | 04/07/94 |
| Lead | | ND | | 5.0 | mg/Kg | 04/07/94 |
| Magnesium | | ND | | 10 | mg/Kg | 04/07/94 |
| Manganese | | ND | | 1.0 | mg/Kg | 04/07/94 |
| Molybdenum | | ND | | 1.0 | mg/Kg | 04/07/94 |
| Nickel | | ND | | 2.0 | mg/Kg | 04/07/94 |
| Potassium | | ND | | 100 | mg/Kg | 04/07/94 |
| Selenium | | ND | | 10 | mg/Kg | 04/07/94 |
| Silicon | | ND | | 50 | mg/Kg | 04/07/94 |
| Silver | | ND | | 0.50 | mg/Kg | 04/07/94 |
| Sodium | | ND | | 300 | mg/Kg | 04/07/94 |
| Strontium | | ND | | 2.0 | mg/Kg | 04/07/94 |
| Tin | | ND | | 4.0 | mg/Kg | 04/07/94 |
| Titanium | | ND | | 2.0 | mg/Kg | 04/07/94 |
| Vanadium | | ND | | 1.0 | mg/Kg | 04/07/94 |
| Zinc | | 70 | | 1.0 | mg/Kg | 04/07/94 |

Sample: 01B Rosa Comp

Collected: 03/18/94

Matrix: OIL

| <u>Test Description</u> | <u>Method</u> | <u>Result</u> | <u>Q</u> | <u>Limit</u> | <u>Units</u> | <u>Analyzed</u> |
|----------------------------|---------------|---------------|----------|--------------|--------------|-----------------|
| AROMATIC VOLATILE ORGANICS | SW 8020A | | | | | |
| Benzene | | 0.15 | H | 0.050 | mg/Kg | 04/05/94 |
| SURROGATES, % Recovery | | | | | | |
| p-Bromofluorobenzene | | 34.4 | | Min: 70 | Max: 130 | |

THE FOLLOWING CODES APPLY TO THE ANALYTICAL DATA:

RESULT field...

- ND = not detected at the reported limit
- NA = analyte not applicable (see case narrative/methods for discussion)
- * = surrogate not reportable due to sample dilution/interference

Q (qualifier) field...

- J = analyte was detected but the concentration is below reporting limits
 - E = analyte value is above the linear quantitation range after dilution
 - B = analyte was detected in the laboratory method blank
 - D = analyte was diluted to bring within linear quantitation range
 - H = value is estimated due to analysis run outside EPA holding times
-

8020_O: AROMATIC VOLATILE ORGANICS (GCPID) METHOD: 8020

3040 Dissolution Procedure for Oils, Greases, or Waxes METHOD: 3040

ICP_TS: METALS, Total (ICP) METHOD: 3050/6010



94-03-080
 325 Interlocken Parkway, Suite 200
 Broomfield, Colorado 80021
 (303) 469-8868 or 1-800-873-8707
 FAX: (303) 469-5254

CHAIN OF CUSTODY RECORD

| | | | |
|--|----------------------|---|--|
| CLIENT NAME Associated Natural Gas Inc | | CLIENT CONTACT Jeff Tutbill | |
| CLIENT ADDRESS 3601 A Bloomfield Hwy Farmington, N.H. 87401 TELEPHONE 324-1150 (505) | | PROJECT ID/DESCRIPTION Rosa Compressor Oil Analysis | |
| FAX 324-1149 | | P. O. NO. | |
| Sample Matrix (circle one) WATER SOIL <u>OIL</u> SLUDGE | | TESTS REQUESTED | |
| OTHER (specify) (NOTE: use one Chain of Custody per matrix) | | NO. OF BOTTLES 011 | |
| DATE 3/17/94 | TIME 15:30 | [Grid for Test Results] | |
| COMMENTS | | MEANS OF DELIVERY FedEx | |

4 31587

Requested Analysis Methods

| RELINQUISHED BY | DATE/TIME | RECEIVED BY | DATE/TIME | RELINQUISHED BY | DATE/TIME | RECEIVED BY | DATE/TIME |
|-----------------|---------------|--------------|---------------|-----------------|-----------|-------------|-----------|
| Jeff Tutbill | 3-17-94 11:15 | J.R. Delmona | 3-20-94 10:00 | | | | |