

## Summary Report

Tommy Folsom  
Murchison Oil & Gas Inc.  
P.O. Box 627  
Carlsbad, NM, 88220

Report Date: February 28, 2007

Work Order: 7022715



Project Number: Quail State #1

30-015-34261

| Sample | Description                  | Matrix | Date Taken | Time Taken | Date Received |
|--------|------------------------------|--------|------------|------------|---------------|
| 117546 | N Wall & Floor Resample Comp | soil   | 2007-02-26 | 11:00      | 2007-02-27    |
| 117547 | S Wall & Floor Resample Comp | soil   | 2007-02-26 | 11:20      | 2007-02-27    |

### Sample: 117546 - N Wall & Floor Resample Comp

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Chloride |      | <100   | mg/Kg | 5.00 |

### Sample: 117547 - S Wall & Floor Resample Comp

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Chloride |      | 104    | mg/Kg | 5.00 |



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## Analytical and Quality Control Report

Tommy Folsom  
Murchison Oil & Gas Inc.  
P.O. Box 627  
Carlsbad, NM, 88220

Report Date: February 28, 2007

Work Order: 7022715



Project Number: Quail State #1

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

| Sample | Description                  | Matrix | Date Taken | Time Taken | Date Received |
|--------|------------------------------|--------|------------|------------|---------------|
| 117546 | N Wall & Floor Resample Comp | soil   | 2007-02-26 | 11:00      | 2007-02-27    |
| 117547 | S Wall & Floor Resample Comp | soil   | 2007-02-26 | 11:20      | 2007-02-27    |

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 3 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

### Standard Flags

**B** - The sample contains less than ten times the concentration found in the method blank.

## Analytical Report

### Sample: 117546 - N Wall & Floor Resample Comp

|             |                      |                     |              |              |     |
|-------------|----------------------|---------------------|--------------|--------------|-----|
| Analysis:   | Chloride (Titration) | Analytical Method:  | SM 4500-Cl B | Prep Method: | N/A |
| QC Batch:   | 35087                | Date Analyzed:      | 2007-02-27   | Analyzed By: | JS  |
| Prep Batch: | 30449                | Sample Preparation: | 2007-02-27   | Prepared By: | SM  |

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | <100         | mg/Kg | 20       | 5.00 |

### Sample: 117547 - S Wall & Floor Resample Comp

|             |                      |                     |              |              |     |
|-------------|----------------------|---------------------|--------------|--------------|-----|
| Analysis:   | Chloride (Titration) | Analytical Method:  | SM 4500-Cl B | Prep Method: | N/A |
| QC Batch:   | 35087                | Date Analyzed:      | 2007-02-27   | Analyzed By: | JS  |
| Prep Batch: | 30449                | Sample Preparation: | 2007-02-27   | Prepared By: | SM  |

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | 104          | mg/Kg | 4        | 5.00 |

### Method Blank (1)      QC Batch: 35087

|             |       |                 |            |              |    |
|-------------|-------|-----------------|------------|--------------|----|
| QC Batch:   | 35087 | Date Analyzed:  | 2007-02-27 | Analyzed By: | JS |
| Prep Batch: | 30449 | QC Preparation: | 2007-02-27 | Prepared By: | JS |

| Parameter | Flag | MDL<br>Result | Units | RL |
|-----------|------|---------------|-------|----|
| Chloride  |      | <3.25         | mg/Kg | 5  |

### Laboratory Control Spike (LCS-1)

|             |       |                 |            |              |    |
|-------------|-------|-----------------|------------|--------------|----|
| QC Batch:   | 35087 | Date Analyzed:  | 2007-02-27 | Analyzed By: | JS |
| Prep Batch: | 30449 | QC Preparation: | 2007-02-27 | Prepared By: | JS |

| Param    | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | 99.8          | mg/Kg | 1    | 100             | <3.25            | 100  | 90 - 110      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param    | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|----------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Chloride | 95.6           | mg/Kg | 1    | 100             | <3.25            | 96   | 90 - 110      | 4   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Matrix Spike (MS-1)** Spiked Sample: 117547

QC Batch: 35087  
Prep Batch: 30449

Date Analyzed: 2007-02-27  
QC Preparation: 2007-02-27

Analyzed By: JS  
Prepared By: JS

| Param    | MS<br>Result     | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|----------|------------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | <sup>1</sup> 334 | mg/Kg | 4    | 400             | 103.586          | 58   | 84.6 - 117    |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param    | MSD<br>Result    | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|----------|------------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Chloride | <sup>2</sup> 310 | mg/Kg | 4    | 400             | 103.586          | 52   | 84.6 - 117    | 7   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Standard (ICV-1)**

QC Batch: 35087

Date Analyzed: 2007-02-27

Analyzed By: JS

| Param    | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride |      | mg/Kg | 100                   | 100                    | 100                         | 85 - 115                      | 2007-02-27       |

**Standard (CCV-1)**

QC Batch: 35087

Date Analyzed: 2007-02-27

Analyzed By: JS

| Param    | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride |      | mg/Kg | 100                   | 99.4                   | 99                          | 85 - 115                      | 2007-02-27       |

<sup>1</sup> Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

<sup>2</sup> Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

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**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

REMARKS:

MARKS: 24 Hr

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #