

## Summary Report

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

Report Date: March 22, 2007

Work Order: 7032217



Project Number: Mustang Fed Com #1/Original Pit

*A-21-18-29*

*30-015-34475*

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
119482	N Wall Floor Original pit	water	2007-03-21	13:00	2007-03-22
119483	S Wall Floor Original pit	water	2007-03-21	13:20	2007-03-22
119484	E Wall Floor Original pit	water	2007-03-21	13:40	2007-03-22
119485	W Wall Floor Original pit	water	2007-03-21	13:50	2007-03-22

**Sample: 119482 - N Wall Floor Original pit**

Param	Flag	Result	Units	RL
Chloride		2200	mg/L	5.00

**Sample: 119483 - S Wall Floor Original pit**

Param	Flag	Result	Units	RL
Chloride		1400	mg/L	5.00

**Sample: 119484 - E Wall Floor Original pit**

Param	Flag	Result	Units	RL
Chloride		102	mg/L	5.00

**Sample: 119485 - W Wall Floor Original pit**

Param	Flag	Result	Units	RL
Chloride		1180	mg/L	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: March 22, 2007

Work Order: 7032217



Project Number: Mustang Fed Com #1/Original Pit

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
119482	N Wall Floor Original pit	water	2007-03-21	13:00	2007-03-22
119483	S Wall Floor Original pit	water	2007-03-21	13:20	2007-03-22
119484	E Wall Floor Original pit	water	2007-03-21	13:40	2007-03-22
119485	W Wall Floor Original pit	water	2007-03-21	13:50	2007-03-22

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 4 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: 119482 - N Wall Floor Original pit

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35776	Date Analyzed:	2007-03-22	Analyzed By:	SM
Prep Batch:	31038	Sample Preparation:	2007-03-22	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2200	mg/L	100	5.00

### Sample: 119483 - S Wall Floor Original pit

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35776	Date Analyzed:	2007-03-22	Analyzed By:	SM
Prep Batch:	31038	Sample Preparation:	2007-03-22	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1400	mg/L	20	5.00

### Sample: 119484 - E Wall Floor Original pit

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35776	Date Analyzed:	2007-03-22	Analyzed By:	SM
Prep Batch:	31038	Sample Preparation:	2007-03-22	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		102	mg/L	4	5.00

### Sample: 119485 - W Wall Floor Original pit

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35776	Date Analyzed:	2007-03-22	Analyzed By:	SM
Prep Batch:	31038	Sample Preparation:	2007-03-22	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1180	mg/L	10	5.00

### Method Blank (1)      QC Batch: 35776

QC Batch:	35776	Date Analyzed:	2007-03-22	Analyzed By:	SM
Prep Batch:	31038	QC Preparation:	2007-03-22	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/L	5

#### Laboratory Control Spike (LCS-1)

QC Batch: 35776  
Prep Batch: 31038

Date Analyzed: 2007-03-22  
QC Preparation: 2007-03-22

Analyzed By: SM  
Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.0	mg/L	1	100	<3.25	99	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	97.7	mg/L	1	100	<3.25	98	85 - 115	1	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: 119482

QC Batch: 35776  
Prep Batch: 31038

Date Analyzed: 2007-03-22  
QC Preparation: 2007-03-22

Analyzed By: SM  
Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	<sup>1</sup> 1800	mg/L	100	10000	2201.14	-4	70 - 130

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	<sup>2</sup> 2050	mg/L	100	10000	2201.14	0	70 - 130	13	20

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

#### Standard (ICV-1)

QC Batch: 35776

Date Analyzed: 2007-03-22

Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	100	98.1	98	85 - 115	2007-03-22

#### Standard (CCV-1)

QC Batch: 35776

Date Analyzed: 2007-03-22

Analyzed By: SM

<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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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	100	102	102	85 - 115	2007-03-22

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## TraceAnalysis, Inc.

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Company Name: Murchison Oil & Gas, Inc. Phone #: 505-706-0667

Address: (Street, City, Zip) Carlsbad, NM 88220 Fax #:

Contact Person: Tommy Folsom E-mail: tfolsom@valernet.com

Invoice to: (If different from above)

Project #: Mustang Fed. Com No. 1 Original Pit Project Name:

Project Location (including state): Sampler Signature:

ANALYSIS REQUEST  
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE 8021B / 60
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Relinquished by: Cheryl Dinkler Date: 3/21/07 Time: 1430

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received at Laboratory by: Deena Ripley Date: 3-22-07 Time: 10:50

LAB USE ONLY

Intact Y/N

Headspace Y/N

Temp RT

Log-in-Review Sam

REMARKS: 24 Hr.

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier # BUS-11 305448 094

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

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