

## Summary Report

Cheryl Winkler  
Murchison Oil & Gas Inc.  
P.O. Box 627  
Carlsbad, NM, 88220

Report Date: March 30, 2007

Work Order: 7033020



Project Name: Mustang Fed Com #1

30-015-34475

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
120398	N Wall & Floor Comp	soil	2007-03-29	07:00	2007-03-30
120399	S Wall & Floor Comp	soil	2007-03-29	07:20	2007-03-30
120400	W Wall & Floor Comp	soil	2007-03-29	07:45	2007-03-30

**Sample: 120398 - N Wall & Floor Comp**

Param	Flag	Result	Units	RL
Chloride		2330	mg/Kg	5.00

**Sample: 120399 - S Wall & Floor Comp**

Param	Flag	Result	Units	RL
Chloride		2150	mg/Kg	5.00

**Sample: 120400 - W Wall & Floor Comp**

Param	Flag	Result	Units	RL
Chloride		2540	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: March 30, 2007

Work Order: 7033020



Project Name: Mustang Fed Com #1  
Project Number: Mustang Fed Com #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
120398	N Wall & Floor Comp	soil	2007-03-29	07:00	2007-03-30
120399	S Wall & Floor Comp	soil	2007-03-29	07:20	2007-03-30
120400	W Wall & Floor Comp	soil	2007-03-29	07:45	2007-03-30

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: 120398 - N Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	Sample Preparation:	2007-03-30	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2330	mg/Kg	100	5.00

### Sample: 120399 - S Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	Sample Preparation:	2007-03-30	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2150	mg/Kg	100	5.00

### Sample: 120400 - W Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	Sample Preparation:	2007-03-30	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2540	mg/Kg	100	5.00

### Method Blank (1)      QC Batch: 36064

QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	QC Preparation:	2007-03-30	Prepared By:	SM

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

### Laboratory Control Spike (LCS-1)

QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	QC Preparation:	2007-03-30	Prepared By:	SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.2	mg/Kg	1	100	<3.25	99	90 - 110

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	100	mg/Kg	1	100	<3.25	100	90 - 110	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: 120390

QC Batch: 36064  
Prep Batch: 31290

Date Analyzed: 2007-03-30  
QC Preparation: 2007-03-30

Analyzed By: JS  
Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	<sup>1</sup> 6710	mg/Kg	200	20000	6710	0	84.6 - 117

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> 6510	mg/Kg	200	20000	6710	-1	84.6 - 117	3	20

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

**Standard (ICV-1)**

QC Batch: 36064

Date Analyzed: 2007-03-30

Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.2	99	85 - 115	2007-03-30

**Standard (CCV-1)**

QC Batch: 36064

Date Analyzed: 2007-03-30

Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-03-30

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

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

# TraceAnalysis, Inc.

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Company Name: Murchison Oil & Gas Co. Inc. Phone #: 505-706-0667  
Address: (Street, City, Zip) Carlsbad, NM 88220 Fax #:  
Contact Person: Tommy Folsom E-mail: tfolsom@valnet.com  
Invoice to:  
(If different from above)  
Project #: Mustang Fed. Com. #1 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 / 6021B BTX 8021B / 6021B TPH 418.1 / TX1005 TPH 8015 GRO / DRUGS PAH 8270C / 625 Total Metals Ag As Ba Cd TCLP Metals Ag As E TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides RCI GC/MS Vol. 8260B / 11 GC/MS Semi. Vol. 8210 PCBs 8082 / 608 Pesticides 8081A / 608 BOD, TSS, pH Moisture Content	Turn Around Time if d
				WATER	SOIL	AIR	SLUDGE	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	ICE	NONE	DATE	TIME		
20398	Newell's River Camp. Sample	1		X						X	3/29/07	0700	Sail Ch made samples		X		
399	3 " " "	1		X						X	↓	0720					
400	W " " "	1		X						X	↓	0745	Email results to: t-folsom@valmet.com make batches & state nm us cmwink@mac.com				
			</														

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<i>Henry J. Tucker</i>	<i>3/29/07</i>	<i>0700</i>			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:

Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
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Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
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**LAB USE  
ONLY**

Intact Y / N  
Headspace Y / N  
Temp RT  
Log-in-Review Am

## REMARKS:

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.

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