Report Date: February 9, 2007

Quail State #1

Work Order: 7020910

Page Number: 1 of 1

# **Summary Report**

Cheryl Winkler Murchison Oil & Gas Inc.

P.O. Box 627

Carlsbad, NM, 88220

30-015-34261

Report Date: February 9, 2007

Work Order: 7020910

Project Number: Quail State #1

			Date	$\operatorname{Time}$	Date
Sample	Description	Matrix	Taken	Taken	Received
115965	N. Wall & Floor	soil	2007-02-08	12:00	2007-02-09
115966	S Wall & Floor	soil	2007-02-08	12:30	2007-02-09
115967	E Wall & Floor	soil	2007-02-08	13:00	2007-02-09
115968	W Wall & Floor	soil	2007-02-08	13:30	2007-02-09

Sample: 115965 - N. Wall & Floor

Param	Flag	Result	Units	RL
Chloride	1/2/4 21/4 21/4 41	118	mg/Kg	5.00

Sample: 115966 - S Wall & Floor

Param	$\operatorname{Flag}$	Result	Units	RL
Chloride		145	mg/Kg	5.00

Sample: 115967 - E Wall & Floor

Param	Flag	Result	Units	RL
Chloride		630	m mg/Kg	5.00

Sample: 115968 - W Wall & Floor

Param	Flag	Result	Units	RL
Chloride		26.1	mg/Kg	5.00



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## **Analytical and Quality Control Report**

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

Report Date: February 9, 2007

Work Order: 

Project Number: Quail State #1

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

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
115965	N. Wall & Floor	soil	2007-02-08	12:00	2007-02-09
115966	S Wall & Floor	soil	2007-02-08	12:30	2007-02-09
115967	E Wall & Floor	soil	2007-02-08	13:00	2007-02-09
115968	W Wall & Floor	soil	2007-02-08	13:30	2007-02-09

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 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

#### **Standard Flags**

 $\boldsymbol{B}\,$  -  $\,$  The sample contains less than ten times the concentration found in the method blank.

Report Date: February 9, 2007

Quail State #1

Work Order: 7020910

Page Number: 2 of 5

### **Analytical Report**

Sample: 115965 - N. Wall & Floor

Analysis:

Chloride (Titration)

Flag

QC Batch: 34488 Prep Batch: 29939 Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-02-09 Sample Preparation:

Prep Method: Analyzed By:

2007-02-09

Prepared By: SM

RL

Parameter Chloride

Result 118

Units mg/Kg

Dilution

RL 5.00

N/A

SM

Sample: 115966 - S Wall & Floor

Analysis: QC Batch: Chloride (Titration)

34488 Prep Batch: 29939

Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-02-09 2007-02-09

Prep Method: N/A SM Analyzed By:

Prepared By:

SM

RL

Parameter Chloride

Flag Result 145

Units mg/Kg Dilution

Dilution

Dilution

2

RL

5.00

Sample: 115967 - E Wall & Floor

Analysis: OC Batch: Chloride (Titration)

34488 Prep Batch: 29939 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-02-09 2007-02-09

Prep Method: N/A Analyzed By:

SM SM

RL

Parameter Chloride

Result 630

Units

mg/Kg

Prepared By:

RL

5.00

Sample: 115968 - W Wall & Floor

Analysis: QC Batch:

Prep Batch:

Chloride (Titration)

34488 29939 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-C1 B 2007-02-09

Prep Method: Analyzed By:

N/A SM

Flag

Parameter Flag Chloride

RL Result 26.1 2007-02-09

Units

mg/Kg

Prepared By:

SM

RL

5.00

Method Blank (1)

QC Batch: 34488

QC Batch: 34488 Prep Batch: 29939 Date Analyzed: QC Preparation:

2007-02-09 2007-02-09

Analyzed By: SM Prepared By: JS

Report Date: February 9, 2007

Quail State #1

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

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

OC Batch:

Prep Batch: 29939

34488

Date Analyzed:

2007-02-09

QC Preparation: 2007-02-09

Analyzed By: SM

Prepared By: JS

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	94.3	mg/Kg	1	100	<3.25	94	90 - 110

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	92.0	mg/Kg	1	100	<3.25	92	90 - 110	2	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: 115966

QC Batch:

34488 Prep Batch: 29939 Date Analyzed:

2007-02-09

Analyzed By: SM

QC Preparation: 2007-02-09

Prepared By:

		MS			Spike	Matrix		Rec.
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	1	298	mg/Kg	4	400	<13.0	74	84.6 - 117

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

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	2	304	mg/Kg	4	400	<13.0	76	84.6 - 117	2	20

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

### Standard (ICV-1)

QC Batch: 34488

Date Analyzed: 2007-02-09

Analyzed By: SM

			ICVs True	ICVs Found	ICVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	99.1	99	85 - 115	2007-02-09

### Standard (CCV-1)

QC Batch: 34488

Date Analyzed: 2007-02-09

Analyzed By: SM

<sup>&</sup>lt;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>&</sup>lt;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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			CCVa	CCVs	CCVa	Domonut	
			CCVs		CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-02-09

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email: lab@traceanalysis.com 1 (800) 378-1296					78-1296	1 (888) 508-3443		
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