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Analytical and Quality Control Report

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

Report Date: May 16, 2006

Work Order: 6051605



Project Name: Red Tank State No. 1
Project Number: Red Tank State No. 1

30-015-34265

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
90423	Pit NE Corner	soil	2006-05-13	19:00	2006-05-16
90424	Pit NW Corner	soil	2006-05-13	19:00	2006-05-16
90425	Pit SE Corner	soil	2006-05-13	19:00	2006-05-16
90426	Pit SW Corner	soil	2006-05-13	19:00	2006-05-16
90427	Background	soil	2006-05-13	19:00	2006-05-16
90428	Rio Pit NE, SE, Middle resample	soil	2006-05-06	13:00	2006-05-16
90429	Lincoln Fed, Com #2 Background resample	soil	2006-05-12	16:00	2006-05-16

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.

Authorization
given to close pit

Dr. Blair Leftwich, Director

MAY 17 2006

TraceAnalysis, Inc. 6701 Aberdeen Avenue, Site 9 Lubbock, Texas 79424 Tel (806) 794-1236 Fax (806) 794-1236 1 (800) 378-1236 email: lab@traceanalysis.com		155 McCutcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443																																																																																																																																																																			
Company Name: <u>Murchison Oil & Gas, Inc.</u> Address: <u>PO Box 627, Carlsbad, NM 88220</u> Contact Person: <u>Tommy Folson</u> Invoice to: <u>Wm Call results to Cheryl Winkler, Agent for MORG</u> (If different from above) Project #: <u>406-431-2528</u> Project Location (including state): <u>Red Tank State No.</u>		Photo #: <u>505-706-0667</u> Fax #: <u></u> E-mail: <u></u> Subject Name: <u>Red Tank State No.</u> Sample Signature: <u>[Signature]</u>																																																																																																																																																																			
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Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.																																																																																																																																																																					

ORIGINAL COPY

REMARKS: 24 hours.

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

Carrier # BUS GLI 168 723 5165

Report Date: May 16, 2006
Red Tank State No.

Work Order: 6051605
Red Tank State No.

Page Number: 4 of 5

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1030	1010	mg/Kg	50	12.5	320	114	2	15.3 - 175	20

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

Standard (ICV-1)

QC Batch: 26576

Date Analyzed: 2006-05-16

Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	13.0	104	90 - 110	2006-05-16

Standard (CCV-1)

QC Batch: 26576

Date Analyzed: 2006-05-16

Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.8	102	90 - 110	2006-05-16

Report Date: May 16, 2006
Red Tank State No.

Work Order: 6051605
Red Tank State No.

Page Number: 3 of 5

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		21.8	mg/Kg	5	1.00

Sample: 90428 - Rio Pit NE, SE, Middle resample

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	Sample Preparation:	2006-05-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		134	mg/Kg	10	1.00

Sample: 90429 - Lincoln Fed, Com #2 Background resample

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	Sample Preparation:	2006-05-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		21.6	mg/Kg	5	1.00

Method Blank (1)

QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	QC Preparation:	2006-05-16	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0222	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	QC Preparation:	2006-05-16	Prepared By:	WB

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	13.7	13.6	mg/Kg	1	12.5	<0.0222	110	1	90 - 110	20

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

Matrix Spike (MS-1)

QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	QC Preparation:	2006-05-16	Prepared By:	WB

Analytical Report

Sample: 90423 - Pit NE Corner

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	Sample Preparation:	2006-05-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		320	mg/Kg	50	1.00

Sample: 90424 - Pit NW Corner

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	Sample Preparation:	2006-05-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		326	mg/Kg	50	1.00

Sample: 90425 - Pit SE Corner

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	Sample Preparation:	2006-05-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		308	mg/Kg	50	1.00

Sample: 90426 - Pit SW Corner

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	Sample Preparation:	2006-05-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		288	mg/Kg	50	1.00

Sample: 90427 - Background

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	26576	Date Analyzed:	2006-05-16	Analyzed By:	WB
Prep Batch:	23345	Sample Preparation:	2006-05-16	Prepared By:	WB