

Miller Drilling Co.

PUMP TEST REPORT

TESTING

Notes:

STANDING LEVEL AFTER TEST: 194 FT After 10 minute recovery

FINAL TEST RESULTS: Produced: 36 GPM for 4 hours on: 2/5/2025

Test Run By: Gerry



Analytical Report

Oilfield Environmental & Compliance, Inc.

Cari Thomas
Miller Drilling Company
329 North Main Street
Templeton, CA 93465

OEC Work Order: **2501072**

Report Date: **February 19, 2025 09:25**

Project: **Irrigation Suitability**

Number: #29978 -- Ron Mc Gee

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on February 05, 2025 13:00 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Authorized for release by:

Meredith Sprister, Business Director

msprister@oecusa.com

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISOILAC-IAF Communiqué dated April 2017)

307 Roemer Way, Suite 300
Santa Maria, CA 93454

Main: (805) 922-4772

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client.oec.com/reports
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TNI 2016 & ISO/IEC 17025:2017
CA-ELAP 2438, TNI 02666



Oilfield Environmental & Compliance, Inc.

Miller Drilling Company
329 North Main Street
Templeton CA, 93465

Project: Irrigation Suitability
Project Number: #29978 -- Ron Mc Gee
Project Manager: Cari Thomas

WO & Reported:
2501072
02/19/2025 09:25

Revision History

Previous Report

Reason for Revision

2501072 02/14/2025 17:22

Amended report to correct address in sample ID.

Sample Summary

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
#29978 -- Ron Mc Gee 390 San Marcos Rd, Paso Robles	2501072-01	Drinking Water	Drinking Water	02/05/2025 07:27	02/05/2025 13:00

Sample Batch Preparation Summary

Analysis	Batch ID	Preparation Date/Time
Anions by IC EPA 300.0	B5B0190	02/06/2025 10:55
General Chemistry Parameters by EPA or APHA Standard Methods 9040B pH Alkalinity, Speciated SM2320B Conductivity, SM2510B pH Sample Temperature	B5B0479 B5B0537 B5B0377 B5B0479	02/13/2025 08:30 02/14/2025 10:54 02/11/2025 09:32 02/13/2025 08:30
Microbiological Parameters by APHA Standard Methods Coliform, Total P/A SM9223B E.coli P/A SM9223B	B5B0165 B5B0165	02/05/2025 14:19 02/05/2025 14:19
Total Metals by ICP 200.7 Total	B5B0247	02/07/2025 10:06

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Project: Irrigation Suitability
Project Number: #29978 -- Ron Mc Gee
Project Manager: Cari Thomas

WO & Reported:
2501072
02/19/2025 09:25

Analytical Report for Samples

Sample ID : **#29978 -- Ron Mc Gee 390 San Marcos Rd, Paso Robles**
Matrix : Drinking Water
Lab ID : 2501072-01

Sampled : 02/05/25 07:27
Sampled by :
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
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Microbiological Parameters by APHA Standard Methods

Coliform, total	Present	1.0		1	B5B0165	02/06/25 11:01	SM 9223B	MCL
E. Coli	Absent	1.0	"	"	"	"	"	

Anions by IC

Chloride	43	8.0	mg/L	20	B5B0190	02/10/25 21:27	EPA 300.0	
Nitrate as N	ND	0.40	"	1	"	02/06/25 12:18	"	
Sulfate	170	8.0	"	20	"	02/10/25 21:27	"	

Total Metals by ICP

Boron	1.1	0.10	mg/L	1	B5B0247	02/11/25 13:14	EPA 200.7	
Calcium	18	0.10	"	"	"	"	"	
Magnesium	12	0.050	"	"	"	"	"	
Potassium	2.2	0.50	"	"	"	"	"	
Sodium	190	0.50	"	"	"	"	"	

General Chemistry Parameters by EPA or APHA Standard Methods

pH @ 25 C	8.13	0.10	pH Units	1	B5B0479	02/13/25 08:30	EPA 150.1/SM 4500H+ B	HT-pH
pH Sample Temperature During Analysis	22	1.0	°C	"	"	"	EPA 170.1/SM 2550B	
Specific Conductance (EC) @ 25 C	960	2.0	umhos/cm	"	B5B0377	02/11/25 10:32	SM 2510B	
Total Alkalinity, CaCO3	300	20	mg/L	"	B5B0537	02/14/25 14:04	SM 2320B	
Bicarbonate, CaCO3	300	20	"	"	"	"	"	
Carbonate, CaCO3	ND	20	"	"	"	"	"	
Hydroxide, CaCO3	ND	20	"	"	"	"	"	

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2501072
02/19/2025 09:25

Anions by IC - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5B0190 - EPA 300.0 Preparation: EPA 300.0 Drinking Water Anions Prep 02/06/25 09:01

Blank (B5B0190-BLK1)

Analyzed: 02/06/25 10:58

Chloride	ND	0.40	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate	ND	0.40	"							

LCS (B5B0190-BS1)

Analyzed: 02/06/25 10:11

Chloride	5.14	0.40	mg/L	5.00		103	90-110			
Nitrate as N	5.04	0.40	"	5.00		101	90-110			
Sulfate	5.20	0.40	"	5.00		104	90-110			

LCS Dup (B5B0190-BSD1)

Analyzed: 02/06/25 10:27

Chloride	5.14	0.40	mg/L	5.00		103	90-110	0.09	20	
Nitrate as N	5.03	0.40	"	5.00		101	90-110	0.1	20	
Sulfate	5.24	0.40	"	5.00		105	90-110	0.8	20	

Duplicate (B5B0190-DUP1)

Source: 2501072-01

Analyzed: 02/06/25 12:33

Chloride	38.5	0.40	mg/L		38.6			0.2	20	
Nitrate as N	0.316	0.40	"		0.306			3	20	
Sulfate	127	0.40	"		127			0.001	20	

Matrix Spike (B5B0190-MS1)

Source: 2501072-01

Analyzed: 02/06/25 12:49

Chloride	40.7	0.40	mg/L	5.00	38.6	42	90-110			QM-4X
Nitrate as N	5.10	0.40	"	5.00	0.306	96	90-110			
Sulfate	126	0.40	"	5.00	127	NR	90-110			QM-4X

Matrix Spike (B5B0190-MS2)

Source: 2501121-01

Analyzed: 02/06/25 22:01

Chloride	94.6	0.40	mg/L	5.00	96.4	NR	90-110			QM-4X
Nitrate as N	15.1	0.40	"	5.00	10.4	94	90-110			
Sulfate	65.1	0.40	"	5.00	62.8	45	90-110			QM-4X

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Project Number: #29978 -- Ron Mc Gee
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2501072
02/19/2025 09:25

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5B0247 - EPA 200.7 Preparation: EPA 200.7 02/07/25 10:06

Blank (B5B0247-BLK1)

Analyzed: 02/11/25 12:01

Boron	ND	0.10	mg/L							
Calcium	ND	0.10	"							
Magnesium	ND	0.050	"							
Potassium	ND	0.50	"							
Sodium	ND	0.50	"							

LCS (B5B0247-BS1)

Analyzed: 02/11/25 12:12

Boron	1.96	0.10	mg/L	2.00		98	85-115			
Calcium	9.90	0.10	"	10.0		99	85-115			
Magnesium	10.1	0.050	"	10.0		101	85-115			
Potassium	9.81	0.50	"	10.0		98	85-115			
Sodium	9.76	0.50	"	10.0		98	85-115			

LCS Dup (B5B0247-BSD1)

Analyzed: 02/11/25 12:15

Boron	2.02	0.10	mg/L	2.00		101	85-115	3	20	
Calcium	10.1	0.10	"	10.0		101	85-115	2	20	
Magnesium	10.3	0.050	"	10.0		103	85-115	2	20	
Potassium	10.1	0.50	"	10.0		101	85-115	3	20	
Sodium	9.91	0.50	"	10.0		99	85-115	2	20	

Duplicate (B5B0247-DUP1)

Source: 2500919-01

Analyzed: 02/11/25 12:30

Boron	0.108	0.10	mg/L		0.106			2	20	
Calcium	44.9	0.10	"		45.1			0.3	20	
Magnesium	23.6	0.050	"		23.7			0.8	20	
Potassium	2.63	0.50	"		2.69			2	20	
Sodium	52.1	0.50	"		52.3			0.4	20	

Matrix Spike (B5B0247-MS1)

Source: 2500919-01

Analyzed: 02/11/25 12:17

Boron	2.16	0.10	mg/L	2.00	0.106	103	70-130			
Calcium	54.8	0.10	"	10.0	45.1	97	70-130			
Magnesium	33.7	0.050	"	10.0	23.7	99	70-130			
Potassium	13.0	0.50	"	10.0	2.69	103	70-130			
Sodium	61.8	0.50	"	10.0	52.3	94	70-130			

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Oilfield Environmental & Compliance, Inc.

Miller Drilling Company 329 North Main Street Templeton CA, 93465	Project: Irrigation Suitability Project Number: #29978 -- Ron Mc Gee Project Manager: Cari Thomas	WO & Reported: 2501072 02/19/2025 09:25
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Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5B0247 - EPA 200.7 Preparation: EPA 200.7 02/07/25 10:06

Matrix Spike (B5B0247-MS2)	Source: 2500994-01		Analyzed: 02/11/25 12:28							
Boron	2.05	0.10	mg/L	2.00	ND	102	70-130			
Calcium	20.8	0.10	"	10.0	10.8	100	70-130			
Magnesium	15.9	0.050	"	10.0	5.84	100	70-130			
Potassium	11.9	0.50	"	10.0	1.65	103	70-130			
Sodium	37.7	0.50	"	10.0	27.9	99	70-130			

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2501072
02/19/2025 09:25

General Chemistry Parameters by EPA or APHA Standard Methods - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5B0377 - SM 2510B Preparation: SM 2510B Prep 02/11/25 09:32

LCS (B5B0377-BS1)		Analyzed: 02/11/25 10:32								
Specific Conductance (EC) @ 25 C	87.6	2.0	umhos/cm	84.0		104	75-125			
LCS (B5B0377-BS2)		Analyzed: 02/11/25 10:32								
Specific Conductance (EC) @ 25 C	9630	2.0	umhos/cm	9990		96	75-125			
LCS (B5B0377-BS3)		Analyzed: 02/11/25 10:32								
Specific Conductance (EC) @ 25 C	97,500	2.0	umhos/cm	99,800		98	75-125			
Duplicate (B5B0377-DUP1)		Source: 2501072-01 Analyzed: 02/11/25 10:32								
Specific Conductance (EC) @ 25 C	961	2.0	umhos/cm		963			0.2	20	

Batch B5B0479 - EPA 150.1/SM 4500H+ B Preparation: EPA 9040B pH Prep 02/13/25 08:30

LCS (B5B0479-BS1)		Analyzed: 02/13/25 08:30								
pH @ 25 C	4.00	0.10	pH Units	4.00		100	90-110			
LCS (B5B0479-BS2)		Analyzed: 02/13/25 08:30								
pH @ 25 C	7.03	0.10	pH Units	7.00		100	90-110			
LCS (B5B0479-BS3)		Analyzed: 02/13/25 08:30								
pH @ 25 C	10.05	0.10	pH Units	10.0		100	90-110			
Duplicate (B5B0479-DUP1)		Source: 2500994-01 Analyzed: 02/13/25 08:30								
pH @ 25 C	7.32	0.10	pH Units		7.31			0.1	10	
pH Sample Temperature During Analysis	22.0	1.0	°C		22.1			0.5	10	

Batch B5B0537 - SM 2320B Preparation: EPA 2320B Alkalinity Prep 02/14/25 10:54

Blank (B5B0537-BLK1)		Analyzed: 02/14/25 14:04								
Total Alkalinity, CaCO3	ND	20	mg/L							
Bicarbonate, CaCO3	ND	20	"							
Carbonate, CaCO3	ND	20	"							
Hydroxide, CaCO3	ND	20	"							
LCS (B5B0537-BS1)		Analyzed: 02/14/25 14:04								
Total Alkalinity, CaCO3	2280	20	mg/L	2500		91	80-120			
Carbonate, CaCO3	2160	20	"	2500		86	80-120			

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2501072
02/19/2025 09:25

General Chemistry Parameters by EPA or APHA Standard Methods - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5B0537 - SM 2320B Preparation: EPA 2320B Alkalinity Prep 02/14/25 10:54

LCS Dup (B5B0537-BSD1)

Analyzed: 02/14/25 14:04

Total Alkalinity, CaCO ₃	2280	20	mg/L	2500		91	80-120	0.1	20	
Carbonate, CaCO ₃	2190	20	"	2500		88	80-120	2	20	

Duplicate (B5B0537-DUP1)

Source: 2501072-01

Analyzed: 02/14/25 14:04

Total Alkalinity, CaCO ₃	294	20	mg/L		297			0.9	20	
Bicarbonate, CaCO ₃	294	20	"		297			0.9	20	
Carbonate, CaCO ₃	ND	20	"		ND				20	
Hydroxide, CaCO ₃	ND	20	"		ND				20	

Sample Method Summary

Analysis	Method	Matrix	Laboratory & Certification
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Anions by IC

Chloride by EPA 300.0	EPA 300.0	Drinking Water	OEC, CA-ELAP,NELAP
Nitrate as N by EPA 300.0	EPA 300.0	Drinking Water	OEC, CA-ELAP,NELAP
Sulfate by EPA 300.0	EPA 300.0	Drinking Water	OEC, CA-ELAP,NELAP

General Chemistry Parameters by EPA or APHA Standard Methods

9040B pH	EPA 150.1/SM 4500H+ B	Drinking Water	OEC, Internal
pH Sample Temperature	EPA 170.1/SM 2550B	Drinking Water	OEC, Internal
Alkalinity, Speciated SM2320B	SM 2320B	Drinking Water	OEC, Internal
Conductivity, SM2510B	SM 2510B	Drinking Water	OEC, CA-ELAP,NELAP
Conductivity, SM2510B	SM 2510B	Drinking Water	OEC, Internal

Microbiological Parameters by APHA Standard Methods

Coliform, Total P/A SM9223B	SM 9223B	Drinking Water	OEC, Internal
E.coli P/A SM9223B	SM 9223B	Drinking Water	OEC, Internal

Total Metals by ICP

200.7 Total Boron	EPA 200.7	Drinking Water	OEC, CA-ELAP,NELAP
200.7 Total Calcium	EPA 200.7	Drinking Water	OEC, CA-ELAP,NELAP
200.7 Total Magnesium	EPA 200.7	Drinking Water	OEC, CA-ELAP,NELAP
200.7 Total Potassium	EPA 200.7	Drinking Water	OEC, CA-ELAP,NELAP
200.7 Total Sodium	EPA 200.7	Drinking Water	OEC, CA-ELAP,NELAP

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02/19/2025 09:25

Notes and Definitions

Qualifier	Definition
MDL	Method Detection Limit
RL	Reporting Limit (Quantitation Limit)
ND	Analyte NOT DETECTED at or above the method limit (MDL)
RPD	Relative Percent Difference
HT-pH	Water pH should be analyzed within 15 minutes of sampling. Soil pH should be analyzed as soon as possible.
MCL	Analyte concentration is greater than or equal to the California Maximum Contaminant Limit.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

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Sample Receipt

Work Order Review is Complete

Work Order

2501072

Refresh

Client Name	Temp °C	Thermometer ID	Refrigerator(s)	COC Received	Login
Miller Drilling Company	5.6	2	MF,8	02/05/2025 13:00	02/05/2025 13:33

Recorded Corrected. Acceptable Range 0°C to 0°C (See Exception Notes Below)

Sample Transport

☒ OEC Courier/Sampler

☐ Delivery (Other than OEC)

☐ After Hours Drop Off

☐ Shipment Carrier

Tracking#

Custody Seals

☒ None Present

☐ Present, Intact

☐ Present, Not Intact

☐ None

Cooler(s)

☐ Present, Intact

☐ Present, Not Intact

☐ None

Sample(s)

Condition/Preservation

	Yes	No	N/A
☒ Received On Ice Within Range (Acceptable)	☒	☐	
☐ Received Outside Range(Acceptable)	☒	☐	
☐ Direct from Field on Ice	☒	☐	
☐ Ambient: Air or Filter Matrix	☒	☐	
☐ Received Ambient, Placed on Ice	☐	☒	
☐ Sample Temperature Acceptable for Analysis	☒	☐	
☐ Received Outside Range [Exception]*			
☐ Insufficient Ice or Unknown			
☐ Excessive Free Liquid			
Completed COCs Received with Sample(s)	☒	☐	
Correct Container(s) Preserve for Analysis	☒	☐	
Container(s) Intact and Good Condition	☒	☐	
Container Label(s) Consistent with COC	☒	☐	
OEC Preservation Added**	☐	☒	
Sample Quantity Sufficient	☒	☐	

2/7/25, 12:43 PM

2501072_receipt

Containers, COC Changes, And/Or Corrections

Cotaniner ID (COC)	Container Description	Home	Matrix	Preservative	pH/Chlorine /Sulfur	Comments
01A	250mL Poly HNO3	Fridge 8 - Walk-In	Drinking Water			
01B	1000mL Poly	Fridge 8 - Walk-In	Drinking Water			
01C	125mL Bacti Poly Na2S2O3, sterile (100mL fill)	Micro-Bio Fridge	Drinking Water			

Receipt Login By:

DA-02/05/25 05:12

Receipt Reviewed By:

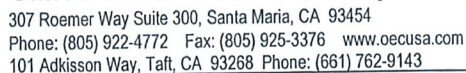
AMQ-02/07/25 12:43

2/7/25, 12:43 PM

2501072_receipt

Case Narative

Client wanted Total Coliform and E.coli P/A added to COC. Confirmed over phone. BKG 2/5/25



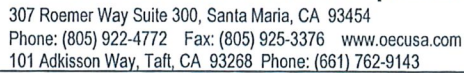
2501072

Rev 02/09/2021

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OEC Work Order (Lab Use Only)

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CHAIN OF CUSTODY

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