

November 05, 2015

MICHAEL BRANDON
OILFIELD WATER LOGISTICS
8214 WESTCHESTER DRIVE, SUITE 850
DALLAS, TX 75225

RE: MCLOY RANCH HOUSE

Enclosed are the results of analyses for samples received by the laboratory on 10/23/15 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:OILFIELD WATER LOGISTICS
8214 WESTCHESTER DRIVE, SUITE 850
DALLAS TX, 75225Project: MCLOY RANCH HOUSE
Project Number: NONE GIVEN
Project Manager: MICHAEL BRANDON
Fax To:Reported:
05-Nov-15 15:45

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WELL WATER	H502768-01	Wastewater	22-Oct-15 13:30	23-Oct-15 13:45

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

OILFIELD WATER LOGISTICS
8214 WESTCHESTER DRIVE, SUITE 850
DALLAS TX, 75225

Project: MCLOY RANCH HOUSE
Project Number: NONE GIVEN
Project Manager: MICHAEL BRANDON
Fax To:

Reported:
05-Nov-15 15:45

WELL WATER
H502768-01 (Wastewater)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	312		5.00	mg/L	1	5102603	AP	26-Oct-15	310.1	
Alkalinity, Carbonate	<0.00		0.00	mg/L	1	5102603	AP	26-Oct-15	310.1	
Chloride*	20.0		4.00	mg/L	1	5102805	AP	29-Oct-15	4500-Cl-B	
Conductivity*	712		1.00	uS/cm	1	5110411	AP	04-Nov-15	120.1	
pH*	7.91		0.100	pH Units	1	5110412	AP	04-Nov-15	150.1	
Sulfate*	70.0		25.0	mg/L	2.5	5102803	AP	28-Oct-15	375.4	
TDS*	448		5.00	mg/L	1	5102606	AP	30-Oct-15	160.1	
Alkalinity, Total*	256		4.00	mg/L	1	5102603	AP	26-Oct-15	310.1	

Green Analytical Laboratories
Total Recoverable Metals by ICP (E200.7)

Calcium*	22.5		0.020	mg/L	1	B511019	JGS	03-Nov-15	EPA200.7	
Magnesium*	28.5		0.100	mg/L	1	B511019	JGS	03-Nov-15	EPA200.7	
Potassium*	3.22		1.00	mg/L	1	B511019	JGS	03-Nov-15	EPA200.7	
Sodium*	90.3		1.00	mg/L	1	B511019	JGS	03-Nov-15	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

OILFIELD WATER LOGISTICS
8214 WESTCHESTER DRIVE, SUITE 850
DALLAS TX, 75225

Project: MCLOY RANCH HOUSE
Project Number: NONE GIVEN
Project Manager: MICHAEL BRANDON
Fax To:

Reported:
05-Nov-15 15:45

Inorganic Compounds - Quality Control
Cardinal Laboratories

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

Batch 5102603 - General Prep - Wet Chem
Blank (5102603-BLK1)

Prepared & Analyzed: 26-Oct-15

Alkalinity, Carbonate	ND	0.00	mg/L							
Alkalinity, Bicarbonate	ND	5.00	mg/L							
Alkalinity, Total	ND	4.00	mg/L							

LCS (5102603-BS1)

Prepared & Analyzed: 26-Oct-15

Alkalinity, Carbonate	ND	0.00	mg/L				80-120			
Alkalinity, Bicarbonate	126	5.00	mg/L				80-120			
Alkalinity, Total	104	4.00	mg/L	100		104	80-120			

LCS Dup (5102603-BSD1)

Prepared & Analyzed: 26-Oct-15

Alkalinity, Carbonate	ND	0.00	mg/L				80-120		20	
Alkalinity, Bicarbonate	122	5.00	mg/L				80-120	3.23	20	
Alkalinity, Total	100	4.00	mg/L	100		100	80-120	3.92	20	

Batch 5102606 - Filtration
Blank (5102606-BLK1)

Prepared: 26-Oct-15 Analyzed: 30-Oct-15

TDS	ND	5.00	mg/L							
-----	----	------	------	--	--	--	--	--	--	--

LCS (5102606-BS1)

Prepared: 26-Oct-15 Analyzed: 30-Oct-15

TDS	516	5.00	mg/L	527		97.9	80-120			
-----	-----	------	------	-----	--	------	--------	--	--	--

Duplicate (5102606-DUP1)

Source: H502763-13

Prepared: 26-Oct-15 Analyzed: 30-Oct-15

TDS	363000	5.00	mg/L		350000			3.68	20	
-----	--------	------	------	--	--------	--	--	------	----	--

Batch 5102803 - General Prep - Wet Chem
Blank (5102803-BLK1)

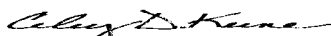
Prepared & Analyzed: 28-Oct-15

Sulfate	ND	10.0	mg/L							
---------	----	------	------	--	--	--	--	--	--	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

OILFIELD WATER LOGISTICS
8214 WESTCHESTER DRIVE, SUITE 850
DALLAS TX, 75225

Project: MCLOY RANCH HOUSE
Project Number: NONE GIVEN
Project Manager: MICHAEL BRANDON
Fax To:

Reported:
05-Nov-15 15:45

Inorganic Compounds - Quality Control
Cardinal Laboratories

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

Batch 5102803 - General Prep - Wet Chem
LCS (5102803-BS1)

Prepared & Analyzed: 28-Oct-15

Sulfate	19.5	10.0	mg/L	20.0		97.3	80-120			
---------	------	------	------	------	--	------	--------	--	--	--

LCS Dup (5102803-BSD1)

Prepared & Analyzed: 28-Oct-15

Sulfate	20.4	10.0	mg/L	20.0		102	80-120	4.77	20	
---------	------	------	------	------	--	-----	--------	------	----	--

Batch 5102805 - General Prep - Wet Chem
Blank (5102805-BLK1)

Prepared & Analyzed: 28-Oct-15

Chloride	ND	4.00	mg/L							
----------	----	------	------	--	--	--	--	--	--	--

LCS (5102805-BS1)

Prepared & Analyzed: 28-Oct-15

Chloride	104	4.00	mg/L	100		104	80-120			
----------	-----	------	------	-----	--	-----	--------	--	--	--

LCS Dup (5102805-BSD1)

Prepared & Analyzed: 28-Oct-15

Chloride	104	4.00	mg/L	100		104	80-120	0.00	20	
----------	-----	------	------	-----	--	-----	--------	------	----	--

Batch 5110411 - NO PREP
LCS (5110411-BS1)

Prepared & Analyzed: 04-Nov-15

Conductivity	524		uS/cm	500		105	80-120			
--------------	-----	--	-------	-----	--	-----	--------	--	--	--

Duplicate (5110411-DUP1)

Source: H502768-01

Prepared & Analyzed: 04-Nov-15

Conductivity	717	1.00	uS/cm		712			0.700	20	
--------------	-----	------	-------	--	-----	--	--	-------	----	--

Batch 5110412 - General Prep - Wet Chem
LCS (5110412-BS1)

Prepared & Analyzed: 04-Nov-15

pH	7.12		pH Units	7.00		102	90-110			
----	------	--	----------	------	--	-----	--------	--	--	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:OILFIELD WATER LOGISTICS
8214 WESTCHESTER DRIVE, SUITE 850
DALLAS TX, 75225Project: MCLOY RANCH HOUSE
Project Number: NONE GIVEN
Project Manager: MICHAEL BRANDON
Fax To:Reported:
05-Nov-15 15:45**Inorganic Compounds - Quality Control****Cardinal Laboratories**

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

Batch 5110412 - General Prep - Wet Chem

Duplicate (5110412-DUP1)

Source: H502768-01

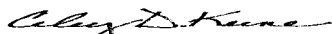
Prepared & Analyzed: 04-Nov-15

pH	7.95	0.100	pH Units	7.91	0.504	20
----	------	-------	----------	------	-------	----

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

OILFIELD WATER LOGISTICS
8214 WESTCHESTER DRIVE, SUITE 850
DALLAS TX, 75225

Project: MCLOY RANCH HOUSE
Project Number: NONE GIVEN
Project Manager: MICHAEL BRANDON
Fax To:

Reported:
05-Nov-15 15:45

Total Recoverable Metals by ICP (E200.7) - Quality Control
Green Analytical Laboratories

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

Batch B511019 - EPA 200.2
Blank (B511019-BLK1)

Prepared & Analyzed: 03-Nov-15

Magnesium	ND	0.100	mg/L							
Calcium	ND	0.020	mg/L							
Sodium	ND	1.00	mg/L							
Potassium	ND	1.00	mg/L							

LCS (B511019-BS1)

Prepared & Analyzed: 03-Nov-15

Magnesium	20.2	0.100	mg/L	20.0		101	85-115			
Calcium	4.12	0.020	mg/L	4.00		103	85-115			
Potassium	8.19	1.00	mg/L	8.00		102	85-115			
Sodium	6.72	1.00	mg/L	6.48		104	85-115			

LCS Dup (B511019-BSD1)

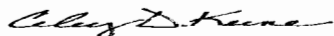
Prepared & Analyzed: 03-Nov-15

Magnesium	20.0	0.100	mg/L	20.0		100	85-115	1.06	20	
Potassium	8.14	1.00	mg/L	8.00		102	85-115	0.550	20	
Calcium	4.08	0.020	mg/L	4.00		102	85-115	0.821	20	
Sodium	6.78	1.00	mg/L	6.48		105	85-115	1.00	20	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

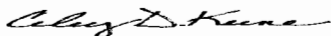
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.






Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: DWL				BILL TO				ANALYSIS REQUEST																	
Project Manager:				P.O. #:				Cation / Anion																	
Address:				Company:																					
City:		State:		Zip:		Attn:																			
Phone #:		Fax #:		Address:																					
Project #:		Project Owner:		City:																					
Project Name: McLoy Ranch House				State: Zip:																					
Project Location: Lea County, NM				Phone #:																					
Sampler Name: Luis Aguirre				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D. H502768		Sample I.D. well water		# CONTAINERS	MATRIX					PRESERV.		SAMPLING													
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER												
				GIRAB OR (C)OMP																					
				G																					

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether limited in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or employees, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 		Date: 10/23/15		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 1:45		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Time:				mbrandon2oilfieldwater logistics.com			
Delivered By: (Circle One)									
Sampler - UPS - Bus - Other:		20.60		Sample Condition		CHECKED BY: 			
				Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					