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 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-045-33771
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NMNM 104609 (Federal)
7. Lease Name or Unit Agreement Name Juniper West SWD
8. Well Number #1
9. OGRID Number 4838
10. Pool name or Wildcat SWD: Mesa Verde
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6436' GL

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well Other SWD; Mesa Verde

2. Name of Operator
Coleman Oil & Gas, Inc

3. Address of Operator
P.O. Drawer 3337, Farmington NM 87401

4. Well Location
Unit Letter N : 700 feet from the South line and 1715 feet from the West line
Section 24 Township 24N Range 11W NMPM County San Juan

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Coleman Oil & Gas respectfully request permission to accept Mancos Produced Water into the Juniper West SWD #1 Disposal. Water will be primarily transferred through produced water gathering system operated by Coleman Oil & Gas, Inc. If produced water gathering system is down for repairs, water will be trucked. See the attached water analysis taken from three Mancos producers. Mancos produced water will be blended with Basin Fruitland Coal water.

Coleman Oil & Gas is a joint working interest owner in the Pinon Unit, Horizontal Mancos producers.

Juniper West SWD #1 Administrative Order SWD-1055

OIL CONS. DIV DIST. 3

AUG 30 2017

Spud Date: January 11, 2017

Rotary Rig Release Date: January 17, 2017

SEE OCTOBER 24, 2017 MEMORANDUM IN SWD FILE

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Michael T. Hanson TITLE: Operations Engineer DATE: August 29, 2017

Type or print name: Michael T. Hanson E-mail address: mhanson@cog-fmn.com PHONE: (505) 327-0356

For State Use Only

APPROVED BY: Chris Sen TITLE: SUPERVISOR DISTRICT #3 DATE: 10.25.16
 Conditions of Approval (if any): AV



Analytical Report

Report Summary

Client: Coleman Oil & Gas
Chain Of Custody Number:
Samples Received: 11/16/2015 7:05:00AM
Job Number: 05206-0001
Work Order: P511031
Project Name/Location: Pinon 02H

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 11/25/15

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Coleman Oil & Gas	Project Name:	Pinon 02H	Reported: 25-Nov-15 12:04
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Mike Hanson	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Pinon 2H	P511031-01A	Aqueous	11/13/15	11/16/15	Poly 500mL

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Coleman Oil & Gas
P.O. Box 3337
Farmington NM, 87499

Project Name: Pinon 02H
Project Number: 05206-0001
Project Manager: Mike Hanson

Reported:
25-Nov-15 12:04

Pinon 2H
P511031-01 (Water)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Cation/Anion Analysis									
pH @20.4°C	7.08		pH Units	1	1547032	11/20/15 14:31	11/20/15 14:35	150.1/4500H	
Electrical Conductivity	43000		umhos/cm	1	1547032	11/20/15 14:31	11/20/15 14:35	EPA 120.1	
Total Dissolved Solids	28800	10.0	mg/L	1	1547020	11/19/15	11/19/15	160.1/2540C	
Sodium Absorption Ratio	164		N/A	1	1548015	11/25/15	11/25/15	[CALC]	
Total Alkalinity as CaCO3	950	10.0	mg/L	1	1547021	11/19/15	11/20/15	Hach Method 8203	
Total Hardness as CaCO3	765	18.6	mg/L		[CALC]	11/20/15	11/24/15	[CALC]	
Bicarbonate as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/20/15	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/20/15	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/20/15	Hach Method 8203	
Nitrate-N	5.32	0.25	mg/L	1	1547013	11/18/15 09:00	11/18/15 14:35	EPA 300.0	H2
Nitrite-N	3.04	0.25	mg/L	1	1547013	11/18/15 09:00	11/18/15 14:35	EPA 300.0	H2
Chloride	15400	2.00	mg/L	1	1547013	11/18/15	11/19/15	EPA 300.0	
Fluoride	ND	0.25	mg/L	1	1547013	11/18/15	11/18/15	EPA 300.0	
o-Phosphate-P	6.77	0.25	mg/L	1	1547013	11/18/15 09:00	11/18/15 14:35	EPA 300.0	H2
Sulfate	ND	2.00	mg/L	1	1547013	11/18/15	11/18/15	EPA 300.0	
Iron	23.1	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Calcium	226	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Magnesium	48.5	1.80	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Potassium	88.6	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Sodium	10400	18.0	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	

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Coleman Oil & Gas P.O. Box 3337 Farmington NM, 87499	Project Name: Pinon 02H Project Number: 05206-0001 Project Manager: Mike Hanson	Reported: 25-Nov-15 12:04
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Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1547013 - Anion Extraction EPA 300.0

Blank (1547013-BLK1)

Prepared & Analyzed: 18-Nov-15

Nitrate-N	ND	0.25	mg/L							
Nitrite-N	ND	0.25	"							
Chloride	ND	2.00	"							
Fluoride	ND	0.25	"							
o-Phosphate-P	ND	0.25	"							
Sulfate	ND	2.00	"							

LCS (1547013-BS1)

Prepared & Analyzed: 18-Nov-15

Nitrate-N	4.76	0.25	mg/L	5.00		95.2	90-110			
Nitrite-N	5.13	0.25	"	5.00		103	90-110			
Chloride	48.6	2.00	"	50.0		97.1	90-110			
Fluoride	5.13	0.25	"	5.00		103	90-110			
o-Phosphate-P	25.6	0.25	"	25.0		102	90-110			
Sulfate	47.2	2.00	"	50.0		94.5	90-110			

Matrix Spike (1547013-MS1)

Source: P511036-01

Prepared & Analyzed: 18-Nov-15

Nitrate-N	48.2	2.50	mg/L	50.0	ND	96.4	80-120			
Nitrite-N	51.4	2.50	"	50.0	ND	103	80-120			
Chloride	571	20.0	"	500	77.7	98.6	80-120			
Fluoride	56.0	2.50	"	50.0	3.90	104	80-120			
o-Phosphate-P	257	2.50	"	250	ND	103	80-120			
Sulfate	475	20.0	"	500	ND	95.0	80-120			

Matrix Spike Dup (1547013-MSD1)

Source: P511036-01

Prepared & Analyzed: 18-Nov-15

Nitrate-N	48.1	2.50	mg/L	50.0	ND	96.3	80-120	0.104	20	
Nitrite-N	51.5	2.50	"	50.0	ND	103	80-120	0.136	20	
Chloride	570	20.0	"	500	77.7	98.6	80-120	0.0473	20	
Fluoride	56.0	2.50	"	50.0	3.90	104	80-120	0.0715	20	
o-Phosphate-P	257	2.50	"	250	ND	103	80-120	0.0778	20	
Sulfate	475	20.0	"	500	ND	95.0	80-120	0.0211	20	

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Coleman Oil & Gas	Project Name:	Pinon 02H	Reported: 25-Nov-15 12:04
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Mike Hanson	

Notes and Definitions

- H2 Sample was analyzed after regulatory hold-time exceeded for target analyte.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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Client: Coleman Oil & Gas, Inc
 Project: Pinon 02H
 Sampler: Mike Hanson
 Phone: 505-330-2903
 Email(s): mhanson@co9-fmn.com
 Project Manager: Mike Hanson

RUSH?
 1d
 3d

Lab Use Only		Analysis and Method				Lab Only		
Lab WO# P 511031		GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	<u>Major</u> <u>Anion</u> <u>WTR Analysis</u>	Lab Number	Correct Cont/Presv (s) Y/N
Job Number 05206-0001								

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers		GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	<u>Major</u> <u>Anion</u> <u>WTR Analysis</u>	Lab Number	Correct Cont/Presv (s) Y/N
				QTY	Vol/TYPE/Preservative							
<u>Pinon 2H</u>	<u>11/13/2015</u>	<u>3:30 PM</u>	<u>H2O</u>	<u>No</u>							<u>1</u>	<u>Y</u>

Relinquished by: (Signature) <u>Mike Hanson</u>	Date <u>11/13/10</u>	Time <u>5:30 PM</u>	Received by: (Signature) <u>Diana Zappin</u>	Date <u>11-14-15</u>	Time <u>7:05</u>	Lab Use Only	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	**Received on Ice Y / N	
						T1 <u>5.8</u>	T2 _____ T3 _____
						AVG Temp °C <u>5.8</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody _____ Notes/Billing info: _____



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Analytical Report

Report Summary

Client: Coleman Oil & Gas
Chain Of Custody Number:
Samples Received: 11/16/2015 7:05:00AM
Job Number: 05206-0001
Work Order: P511032
Project Name/Location: Pinon 01H

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 11/25/15

Tim Cain, Laboratory Manager

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Coleman Oil & Gas P.O. Box 3337 Farmington NM, 87499	Project Name: Pinon 01H Project Number: 05206-0001 Project Manager: Mike Hanson	Reported: 25-Nov-15 12:05
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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Pinon 01H	P511032-01A	Aqueous	11/13/15	11/16/15	Poly 500mL

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Coleman Oil & Gas P.O. Box 3337 Farmington NM, 87499	Project Name: Pinon 01H Project Number: 05206-0001 Project Manager: Mike Hanson	Reported: 25-Nov-15 12:05
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Pinon 01H
P511032-01 (Water)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Cation/Anion Analysis									
pH @20.1°C	7.39		pH Units	1	1547032	11/20/15 14:31	11/20/15 14:35	150.1/4500H	
Electrical Conductivity	42800		umhos/cm	1	1547032	11/20/15 14:31	11/20/15 14:35	EPA 120.1	
Total Dissolved Solids	29100	10.0	mg/L	1	1547020	11/19/15	11/19/15	160.1/2540C	
Sodium Absorption Ratio	178		N/A	1	1548015	11/25/15	11/25/15	[CALC]	
Total Alkalinity as CaCO3	519	10.0	mg/L	1	1547021	11/19/15	11/20/15	Hach Method 8203	
Total Hardness as CaCO3	657	18.6	mg/L		[CALC]	11/20/15	11/24/15	[CALC]	
Bicarbonate as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/20/15	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/20/15	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/20/15	Hach Method 8203	
Nitrate-N	4.40	0.25	mg/L	1	1547013	11/18/15 09:00	11/18/15 16:02	EPA 300.0	H2
Nitrite-N	50.5	0.25	mg/L	1	1547013	11/18/15 09:00	11/19/15 18:25	EPA 300.0	H2
Chloride	16300	2.00	mg/L	1	1547013	11/18/15	11/19/15	EPA 300.0	
Fluoride	1.75	0.25	mg/L	1	1547013	11/18/15	11/18/15	EPA 300.0	
o-Phosphate-P	105	0.25	mg/L	1	1547013	11/18/15 09:00	11/19/15 18:25	EPA 300.0	H2
Sulfate	ND	2.00	mg/L	1	1547013	11/18/15	11/18/15	EPA 300.0	
Iron	ND	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Calcium	187	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Magnesium	46.4	1.80	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Potassium	86.4	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Sodium	10500	18.0	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	

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Coleman Oil & Gas P.O. Box 3337 Farmington NM, 87499	Project Name: Pinon 01H Project Number: 05206-0001 Project Manager: Mike Hanson	Reported: 25-Nov-15 12:05
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Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1547013 - Anion Extraction EPA 300.0

Blank (1547013-BLK1)				Prepared & Analyzed: 18-Nov-15						
Nitrate-N	ND	0.25	mg/L							
Nitrite-N	ND	0.25	"							
Chloride	ND	2.00	"							
Fluoride	ND	0.25	"							
o-Phosphate-P	ND	0.25	"							
Sulfate	ND	2.00	"							

LCS (1547013-BS1)				Prepared & Analyzed: 18-Nov-15						
Nitrate-N	4.76	0.25	mg/L	5.00		95.2	90-110			
Nitrite-N	5.13	0.25	"	5.00		103	90-110			
Chloride	48.6	2.00	"	50.0		97.1	90-110			
Fluoride	5.13	0.25	"	5.00		103	90-110			
o-Phosphate-P	25.6	0.25	"	25.0		102	90-110			
Sulfate	47.2	2.00	"	50.0		94.5	90-110			

Matrix Spike (1547013-MS1)				Source: P511036-01		Prepared & Analyzed: 18-Nov-15				
Nitrate-N	48.2	2.50	mg/L	50.0	ND	96.4	80-120			
Nitrite-N	51.4	2.50	"	50.0	ND	103	80-120			
Chloride	571	20.0	"	500	77.7	98.6	80-120			
Fluoride	56.0	2.50	"	50.0	3.90	104	80-120			
o-Phosphate-P	257	2.50	"	250	ND	103	80-120			
Sulfate	475	20.0	"	500	ND	95.0	80-120			

Matrix Spike Dup (1547013-MSD1)				Source: P511036-01		Prepared & Analyzed: 18-Nov-15				
Nitrate-N	48.1	2.50	mg/L	50.0	ND	96.3	80-120	0.104	20	
Nitrite-N	51.5	2.50	"	50.0	ND	103	80-120	0.136	20	
Chloride	570	20.0	"	500	77.7	98.6	80-120	0.0473	20	
Fluoride	56.0	2.50	"	50.0	3.90	104	80-120	0.0715	20	
o-Phosphate-P	257	2.50	"	250	ND	103	80-120	0.0778	20	
Sulfate	475	20.0	"	500	ND	95.0	80-120	0.0211	20	

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Coleman Oil & Gas	Project Name:	Pinon 01H	Reported: 25-Nov-15 12:05
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Mike Hanson	

Notes and Definitions

- H2 Sample was analyzed after regulatory hold-time exceeded for target analyte.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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Analytical Report

Report Summary

Client: Coleman Oil & Gas
Chain Of Custody Number:
Samples Received: 11/16/2015 7:05:00AM
Job Number: 05206-0001
Work Order: P511033
Project Name/Location: Good Times 24-10

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 11/25/15

Tim Cain, Laboratory Manager

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Coleman Oil & Gas	Project Name:	Good Times 24-10	Reported: 25-Nov-15 12:07
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Mike Hanson	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Good Times 24-10	P511033-01A	Aqueous	11/13/15	11/16/15	Poly 500mL

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Coleman Oil & Gas P.O. Box 3337 Farmington NM, 87499	Project Name: Good Times 24-10 Project Number: 05206-0001 Project Manager: Mike Hanson	Reported: 25-Nov-15 12:07
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Good Times 24-10
P511033-01 (Water)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Cation/Anion Analysis									
pH @20.6°C	5.59		pH Units	1	1547032	11/20/15 14:31	11/20/15 14:35	150.1/4500H	
Electrical Conductivity	28900		umhos/cm	1	1547032	11/20/15 14:31	11/20/15 14:35	EPA 120.1	
Total Dissolved Solids	24700	10.0	mg/L	1	1547020	11/19/15	11/19/15	160.1/2540C	
Sodium Absorption Ratio	140		N/A	1	1548015	11/25/15	11/25/15	[CALC]	
Total Alkalinity as CaCO3	1080	10.0	mg/L	1	1547021	11/19/15	11/19/15	Hach Method 8203	
Total Hardness as CaCO3	574	18.6	mg/L		[CALC]	11/20/15	11/24/15	[CALC]	
Bicarbonate as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/19/15	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/19/15	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1547021	11/19/15	11/19/15	Hach Method 8203	
Nitrate-N	4.43	0.25	mg/L	1	1547013	11/18/15 09:00	11/18/15 18:35	EPA 300.0	H2
Nitrite-N	54.1	0.25	mg/L	1	1547013	11/18/15 09:00	11/19/15 19:09	EPA 300.0	H2
Chloride	12200	2.00	mg/L	1	1547013	11/18/15	11/19/15	EPA 300.0	
Fluoride	ND	0.25	mg/L	1	1547013	11/18/15	11/19/15	EPA 300.0	
o-Phosphate-P	105	0.25	mg/L	1	1547013	11/18/15 09:00	11/19/15 19:09	EPA 300.0	H2
Sulfate	18.1	2.00	mg/L	1	1547013	11/18/15	11/18/15	EPA 300.0	
Iron	178	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Calcium	174	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Magnesium	33.9	1.80	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Potassium	203	4.50	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	
Sodium	7720	18.0	mg/L	9	1547033	11/20/15	11/24/15	EPA 6010C	

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Coleman Oil & Gas P.O. Box 3337 Farmington NM, 87499	Project Name: Good Times 24-10 Project Number: 05206-0001 Project Manager: Mike Hanson	Reported: 25-Nov-15 12:07
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Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1547013 - Anion Extraction EPA 300.0

Blank (1547013-BLK1)

Prepared & Analyzed: 18-Nov-15

Nitrate-N	ND	0.25	mg/L							
Nitrite-N	ND	0.25	"							
Chloride	ND	2.00	"							
Fluoride	ND	0.25	"							
o-Phosphate-P	ND	0.25	"							
Sulfate	ND	2.00	"							

LCS (1547013-BS1)

Prepared & Analyzed: 18-Nov-15

Nitrate-N	4.76	0.25	mg/L	5.00		95.2	90-110			
Nitrite-N	5.13	0.25	"	5.00		103	90-110			
Chloride	48.6	2.00	"	50.0		97.1	90-110			
Fluoride	5.13	0.25	"	5.00		103	90-110			
o-Phosphate-P	25.6	0.25	"	25.0		102	90-110			
Sulfate	47.2	2.00	"	50.0		94.5	90-110			

Matrix Spike (1547013-MS1)

Source: P511036-01

Prepared & Analyzed: 18-Nov-15

Nitrate-N	48.2	2.50	mg/L	50.0	ND	96.4	80-120			
Nitrite-N	51.4	2.50	"	50.0	ND	103	80-120			
Chloride	571	20.0	"	500	77.7	98.6	80-120			
Fluoride	56.0	2.50	"	50.0	3.90	104	80-120			
o-Phosphate-P	257	2.50	"	250	ND	103	80-120			
Sulfate	475	20.0	"	500	ND	95.0	80-120			

Matrix Spike Dup (1547013-MSD1)

Source: P511036-01

Prepared & Analyzed: 18-Nov-15

Nitrate-N	48.1	2.50	mg/L	50.0	ND	96.3	80-120	0.104	20	
Nitrite-N	51.5	2.50	"	50.0	ND	103	80-120	0.136	20	
Chloride	570	20.0	"	500	77.7	98.6	80-120	0.0473	20	
Fluoride	56.0	2.50	"	50.0	3.90	104	80-120	0.0715	20	
o-Phosphate-P	257	2.50	"	250	ND	103	80-120	0.0778	20	
Sulfate	475	20.0	"	500	ND	95.0	80-120	0.0211	20	

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Coleman Oil & Gas	Project Name:	Good Times 24-10	Reported: 25-Nov-15 12:07
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Mike Hanson	

Notes and Definitions

- H2 Sample was analyzed after regulatory hold-time exceeded for target analyte.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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