Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-045-32783

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No. NMNM 101058 (Federal)

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.)

7. Lease Name or Unit Agreement Name: Juniper SWD

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

8. Well Number #4

2. Name of Operator: Coleman Oil & Gas, Inc

9. OGRID Number: 4838

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

10. Pool name or Wildcat: SWD: Mesa Verde

4. Well Location
Unit Letter N : 660 feet from the South line and 2015 feet from the West line
Section 17 Township 24N Range 10W NMPM County San Juan

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 6650' GL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☒			OTHER:	☐		

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 SWD #4 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 SWD #4 Administrative Order SWD-1010

OIL CONS. DIV DIST. 3
AUG 30 2017

Spud Date: July 4, 2005 Rotary Rig Release Date: July 9, 2005

SEE October 24 2017 memorandom 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: Charlie Perrin TITLE SUPERVISOR DISTRICT #3 DATE 10-25-17

Conditions of Approval (if any): AV

19

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Analytical Laboratory

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: _____ Date: 11/25/15

Tim Cain, Laboratory Manager

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865

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Analytical Laboratory

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

Analyical 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

envirotech
Analytical Laboratory

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

Pinon 2H

P511031-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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Analytical Laboratory

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

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

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

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

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

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

RUSH? 1d / 3d

Lab Use Only
Lab WO# P511031
Job Number 05206-0001
Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Cation	Anion	WTR Analysis			Lab Number	Correct Cont/Prsrv (s) Y/N
Pinon 2H	11/13/2015	3:30 PM	H_2O	No					✓	✓				1	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Mike Hanson	11/13/2015	5:30 PM	[signature]	11-16-15	7:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
**Received on Ice Y / N
T1 5.8 T2____ T3____
AVG Temp °C 5.8

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.

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

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

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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: _____ Date: 11/25/15

Tim Cain, Laboratory Manager

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Analytical Laboratory

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

Analyical 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

envirotech
Analytical Laboratory

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

Pinon 01H

P511032-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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Analytical Laboratory

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

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

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

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

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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laboratory@envirotech-inc.com

Client: Coleman Oil & Gas Inc
Project: Pinon 01H
Sampler: Mike Hanson
Phone: 505-330-2903
Email(s): mhanson@cog-fmn.com
Project Manager: Mike Hanson

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# P511032
Job Number 05206-0001
Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Cation Anion	WTR Analysis				Lab Number	Correct Cont/Prsrv (s) Y/N
Pinon 01H	11/13/15	3:30 PM	H_2O	No					✓					1	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/13/2015	5:30 PM	[signature]	11-16-15	7:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
**Received on Ice Y / N
T1 5.6 T2 ____ T3 ____
AVG Temp °C 5.6

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:

envirotech Analytical Laboratory

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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: _____ Date: 11/25/15

Tim Cain, Laboratory Manager

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865

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

Analyical 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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laboratory@envirotech-inc.com

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Analytical Laboratory

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

Good Times 24-10

P511033-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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Analytical Laboratory

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

Cation/Anion Analysis - Quality Control

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

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

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

Client: Coleman Oil + Gas, Inc
Project: Good Times 24-10
Sampler: Mike Hanson
Phone: 505-330-2903
Email(s): mhanson@cog-finn.com
Project Manager: Mike Hanson

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# P611033
Job Number 05206-0001

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Cation Anion w/ TDS Analysis	Lab Number	Correct Cont/Prsrv (s) Y/N
Good Times 24-10	11/13/15	3:00PM	H2O	None					✓	1	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Mike Hanson	11/13	5:30PM	Dane Zamora	11-16-15	7:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
**Received on Ice Y / N
T1 6.0 T2 ____ T3 ____
AVG Temp °C 6.0

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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