Submit 1 Copy To Appropriate District Office	State of New Me	exico	Form C-103
District I - (575) 393-6161	Energy, Minerals and Natu	iral Resources	Revised July 18, 2013 WELL API NO.
1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> – (575) 748-1283	OIL CONCEDIVATION	DIVICION	30-045-32783
811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178	OIL CONSERVATION 1220 South St. Fran		5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87		STATE FEE
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Pe, NW 8	7303	6. State Oil & Gas Lease No. NMNM 101058 (Federal)
SUNDRY NOTI (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC	ICES AND REPORTS ON WELLS SALS TO DRILL OR TO DEEPEN OR PL CATION FOR PERMIT" (FORM C-101) FO	UG BACK TO A	7. Lease Name or Unit Agreement Name Juniper SWD
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other SWD; Mesa	a 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 f	from the West line	
Section 17 Townshi		unty San Juan	
	11. Elevation (Show whether DR, 6650' GL	, RKB, RT, GR, etc.,	
12 Charle	Appropriate Box to Indicate N	lature of Notice	Papart or Other Date
			1
NOTICE OF IN PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING DOWNHOLE COMMINGLE	PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPL	REMEDIAL WOR COMMENCE DRI CASING/CEMEN	ILLING OPNS. P AND A
CLOSED-LOOP SYSTEM			
OTHER:	leted operations (Clearly state all a	OTHER:	d give pertinent dates, including estimated date
	ork). SEE RULE 19.15.7.14 NMAC		mpletions: Attach wellbore diagram of
Juniper SWD #4 Disposal. system operated by Colema water will be trucked. See a produced water will be blea	Water will be primarily transfer of the American Oil & Gas, Inc. If produthe attached water analysis anded with Basin Fruitland	ansferred throused water gaths taken from the Coal water.	os Produced Water into the agh produced water gathering nering system is down for repairs, ree Mancos producers. Mancos
Coleman Oil & Gas is a joi	int working interest owner	in the Pinon U	Unit, Horizontal Mancos producers.
Juniper SWD #4 Administr	rative Order SWD-1010		OIL CONS. DIV DIST. 3
Spud Date: July 4, 2005	Rotary Rig Release Date: July	^	AUG 3 0 2017
	2017 memorandon in		11.1: 6
I hereby certify that the information	above is true and complete to the be	est of my knowledge	e and belief.
SIGNATURE // What	TITLE: Opera	ations Engineer	DATE: August 29, 2017
Type or print name: Michael T. Ha	anson E-mail address: mhan	nson@cog-fmn.com	PHONE: (505) 327-0356
APPROVED BY: Kall X	TITE PERV	ISOR DISTR	CT #3 DATE 10.25.17
Conditions of Approval (if any):	Av —		191
			100



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

Tim Cain, Laboratory Manager

Entire Report Reviewed By:

Date:

11/25/15

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Project Name:

Pinon 02H

P.O. Box 3337

Project Number: Project Manager: 05206-0001

Reported: 25-Nov-15 12:04

Farmington NM, 87499

Mike Hanson

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

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Page 2 of 6



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)

		Reporting							
Analyte	Result	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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Farmington NM, 87499

P.O. Box 3337

Project Name:

Pinon 02H

Project Number: Project Manager: 05206-0001

Mike Hanson

Reported:

25-Nov-15 12:04

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Start 1547013 - Anion Extraction EPA 300.0 Start	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selection ND	, may w	Acoust	Limit	Omio	Level	resuit	/utac	Zillito	IG D	Limit	110100
Nitrate-N ND 0.25 ND 0.26 ND 0.26 ND 0.27 ND 0.27 ND 0.28 ND 0.29 ND 0	Batch 1547013 - Anion Extraction EPA 300.0										
Nitrite-N ND 0.25 ND 0.26 ND 0.27 ND 0.27 ND 0.28 ND 0.28 ND 0.28 ND 0.29 ND 0	Blank (1547013-BLK1)				Prepared &	Analyzed:	18-Nov-15				
ND 0.25	Nitrate-N	ND	0.25	mg/L							
Fluoride ND 0.25 " Defrosphate-P ND 0.25 " Sulfate ND 0.25 " Sulfate ND 0.26 " ND 0.20 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 4.76 0.25 mg/L 5.00 95.2 90-110 Chloride 48.6 0.20 " 5.00 103 90-110 Chloride 48.6 0.20 " 5.00 103 90-110 Chloride 5.13 0.25 " 5.00 103 90-110 Chloride 5.13 0.25 " 5.00 103 90-110 Chloride 5.14 0.25 " 7.00 103 90-110 Matrix Spike (1547013-MS1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.2 2.50 mg/L 5.00 ND 96.4 80-120 Fluoride 5.10 2.50 " 5.00 ND 96.4 80-120 Fluoride 5.11 2.00 " 5.00 ND 96.4 80-120 Chloride 5.12 2.00 " 5.00 ND 96.4 80-120 Nitrite-N 5.14 2.50 " 5.00 ND 96.4 80-120 Chloride 5.10 2.50 " 5.00 ND 96.0 80-120 Sulfate 7.00 ND 96.0 80-120 Matrix Spike (1547013-MS1) Source: P511036-0 " 5.00 ND 96.0 80-120 Fluoride 5.10 2.50 " 5.00 ND 96.0 80-120 Fluoride 5.10 2.50 " 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.1 2.50 mg/L 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.1 2.50 mg/L 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.1 2.50 mg/L 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.1 2.50 mg/L 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.1 2.50 mg/L 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.1 2.50 mg/L 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.1 2.50 mg/L 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nitrate-N 48.1 2.50 mg/L 5.00 ND 96.0 80-120 Matrix Spike Dup (1547013-MSD1) Source: P511036-0 " Prepared & Analyzed: 18-Nov-15 Nove P51004-0 " P51004-0 " P51004-0 " P51004-0 " P	Nitrite-N	ND	0.25	**							
ND	Chloride	ND	2.00	"							
ND	Fluoride	ND	0.25	"							
Nitrate-N	o-Phosphate-P	ND	0.25	"							
Nitrate-N Source: P511036-01 Nitrate-N Nitrate-N Nitrate-N Nitrate-N Nitrate-N Nitrate-N Nitrate-N Sil-S Nitrate-N N Nitrate-N N N N N N N N N N N N N N N N N N N	Sulfate	ND	2.00	"							
Nitrite-N S.13	LCS (1547013-BS1)				Prepared &	Analyzed:	18-Nov-15				
Solution	Nitrate-N	4.76	0.25	mg/L	5.00		95.2	90-110			
Fluoride	Nitrite-N	5.13	0.25	**	5.00		103	90-110			
	Chloride	48.6	2.00	н	50.0		97.1	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 5ulfate 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 Nitrite-N 51.5 2.50 " 50.0 ND 103 80-120 0.104 20 Chloride 570 20.0 " 500 ND 77.7 98.6 80-120 0.104 20 Chloride 56.0 2.50 " 50.0 ND 103 80-120 0.0473 20 Fluoride 56.0 2.50 " 50.0 3.90 104 80-120 0.0473 20 Fluoride 56.0 2.50 " 50.0 3.90 104 80-120 0.0715 20 0-Phosphate-P 257 2.50 " 50.0 3.90 104 80-120 0.0778 20	Fluoride	5.13	0.25		5.00		103	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	o-Phosphate-P	25.6	0.25		25.0		102	90-110			
Nitrate-N Nitrate-N Nitrate-N Nitrate-N Nitrite-N S1.4 2.50 " 50.0 ND 96.4 80-120 ND 103 80-120 ND ND 104 80-120 ND	Sulfate	47.2	2.00	**	50.0		94.5	90-110			
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 ND 103 80-120 Fluoride 60-Phosphate-P 50.0 ND 95.0 80-120 Frepared & Analyzed: 18-Nov-15 Frepared & 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 0.104 20 Chloride 570 20.0 " 500 77.7 98.6 80-120 0.136 20 Chloride 56.0 2.50 " 50.0 3.90 104 80-120 0.0473 20 Fluoride 56.0 2.50 " 50.0 3.90 104 80-120 0.0715 20 0-Phosphate-P 257 2.50 " 250 ND 103 80-120 0.0778 20	Matrix Spike (1547013-MS1)	Sou	rce: P511036-	01	Prepared &	k Analyzed:	18-Nov-15				
Chloride 571 20.0 " 500 77.7 98.6 80-120 Fluoride 56.0 2.50 " 50.0 3.90 104 80-120 c-Phosphate-P 257 2.50 " 250 ND 103 80-120 Sulfate 475 20.0 " 500 ND 95.0 80-120 Sulfate 48.1 2.50 mg/L 50.0 ND 96.3 80-120 Nitrite-N 48.1 2.50 mg/L 50.0 ND 103 80-120 O.104 20 Nitrite-N 51.5 2.50 " 50.0 ND 103 80-120 O.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 0.0715 20 o-Phosphate-P 257 2.50 " 250 ND 103 80-120 0.0778 20	Nitrate-N	48.2	2.50	mg/L	50.0	ND	96.4	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 Sulfate Prepared & Analyzed: 18-Nov-15 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	Nitrite-N	51.4	2.50	"	50.0	ND	103	80-120			
Description	Chloride	571	20.0	"	500	77.7	98.6	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 " 50.0 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	Fluoride	56.0	2.50	"	50.0	3.90	104	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	o-Phosphate-P	257	2.50	"	250	ND	103	80-120			
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			
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	Matrix Spike Dup (1547013-MSD1)	Sou	rce: P511036-	01	Prepared &	& Analyzed:	18-Nov-15				
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	Nitrate-N	48.1	2.50	mg/L	50.0	ND	96.3	80-120	0.104	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	Nitrite-N	51.5	2.50	**	50.0	ND	103	80-120	0.136	20	
o-Phosphate-P 257 2.50 " 250 ND 103 80-120 0.0778 20	Chloride	570	20.0	**	500	77.7	98.6	80-120	0.0473	20	
0-Finosphate-1 257 2.50 250 ND 105 00-120 0.0776 20	Fluoride	56.0	2.50	**	50.0	3.90	104	80-120	0.0715	20	
Sulfate 475 20.0 " 500 ND 95.0 80-120 0.0211 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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Ph (970) 259-0615 Fr (800) 362-1879



Farmington NM, 87499

Project Name:

Pinon 02H

P.O. Box 3337

Project Number: Project Manager: 05206-0001

Reported: 25-Nov-15 12:04

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 JbA	s, Ink	_	RUSH?	The state of the s	b Use Only			Ana	lysis	and	Metho	od	ja	b Only
Project: PINON 0,2H			1d	3034535555	ab WO#						1	2		8
Sampler: Mike HANSON			3d	P51	1031							33		(3)
Phone: 505-330-2903					b Number	015			0.0	.1)[7	ah Number	TST.
Email(s): Mhanson @ cog-fmi	O COM	_		05	206-0001	8 2	21	7	300	8	8	1	Ž	uc)
Project Manager: Mike HANSO			Page	of		2	y 80	418	le b	E	2	3	-	i S
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	la	The	M		Correct Cont/Prsrv (s) Y/N
finon 2H	1/13/2015	3:30	H20		No					2	7			Y
	/	PM												
1 11														
Relinguished by: (Signature) / Difte / Time		by: (Signa		Date	Time						se On	ly		
Relinquished (Signature) Date Time	7/ 4/01/	M Zon	32h	11-16-15 Date		Rece		on lo						
Neimquigitebry: (Signature)	Neceived	by. (aggna	ture	Date		15.9 VG Te		cK			-		T3	-
Sample Matrix: S - Soll, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					Container Type	the Real Property lies, the Person Name of Street, or other Pe	-		-	stic. a	ag - an	nber gl	ass. v - VC	DA
**Samples requiring thermal preservation must be received on ice the day	they are sampled o	r received p	acked in ice	at an avg temp ab			_				9 311	July Bri	7. 10	-
Sample(s) dropped off after hours to a secure drop off area.		Chain o	f Custody	Notes/Billin	ng info:									
envirotech			ington, 844 87401			12-0615 F1	-	-						ech-incolor
Analytical Laboratory	Baree Spa	ings - 65 Mercado	Street, Suite 115,	Butango. CC 8 1301	Ph (\$70) 3:	59-0615 Fr	(800) 36	1879				San S	THE PERSONS	CT -28.7 FORT

Page 6 of 6



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

Tim Cain, Laboratory Manager

Entire Report Reviewed By:

Date:

11/25/15

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.



Farmington NM, 87499

P.O. Box 3337

Project Name: Project Number: Pinon 01H

05206-0001

Reported: 25-Nov-15 12:05

Project Manager:

Mike Hanson

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

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Page 2 of 6



Farmington NM, 87499

Project Name:

Pinon 01H

P.O. Box 3337

Project Number: Project Manager: 05206-0001 Mike Hanson **Reported:** 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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Farmington NM, 87499

Project Name:

Pinon 01H

P.O. Box 3337

Project Number: Project Manager:

Reporting

05206-0001

Mike Hanson

Spike

Source

%REC

Reported:

25-Nov-15 12:05

RPD

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1547013 - Anion Extraction EPA 3	00.0									
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	**							
-Phosphate-P	ND	0.25	**							
ulfate	ND	2.00	H							
.CS (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			
p-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	e: 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	n	250	ND	103	80-120			
Sulfate	475	20.0	n	500	ND	95.0	80-120			
Matrix Spike Dup (1547013-MSD1)	Source	e: P511036-	01	Prepared &	k Analyzed	: 18-Nov-15	5			
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	

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257

2.50

20.0

5796 US Highway 64, Farmington, NM 87401

o-Phosphate-P

Sulfate

Ph (505) 632-0615 Fx (505) 632-1865

250

500

ND

ND

103

95.0

80-120

80-120

0.0778

0.0211

20

20

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Farmington NM, 87499

Project Name:

Pinon 01H

P.O. Box 3337

Project Number:

05206-0001

Reported:

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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aboratory Genvirotech incren

Page 5 of 6

Client: Coleman 0, Coff K	5 In	ک	RUSH?	La	b Use Only			Ana	alysis :	and N	Method		lab Only
Project: PINON, 014			1d	220220000000000000000000000000000000000	ab WO#					12			N.
Sampler: Mike HANSON			3d	P 5 11	032					Maio	25		7 (8)
Phone: 505- 330- 2903				2503007500000000	b Number	015			0.0	-	4		Lab Number t Cont/Prsrv
Email(s): Mhanson @ cog-fm	DICON	~		052	1000-000	by 8	121	8.1	y 30	0	HOH		Nu Duc
Email(s): Mhanson @ Cog-fm Project Manager: Miles HAnson			Page	of	1		3y 8(y 413	de b	#710n	3		t CC
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	1	MI		Lab Number Correct Cont/Prsrv [s] Y/N
finon OIH	11/3/15	3:30	H20	N	0					1			1 4
		PM											
		,											
. //													
Religions (Signature) 11/13/2015 Si 30 f &	1	by: (Signa	kire)	11-16-15		*Rece		on lo			Only		
Relinquished by: (Signature) Date Time	Received	t by: (Signa	iture)	Date		1 <u>5./</u> VG Te			T2_ 5.6			T3_	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					Container Type			THE OWNER OF TAXABLE PARTY.	THE OWNER OF TAXABLE PARTY.	tic, a	g - ambe	r glass, v -	VOA
**Samples requiring thermal preservation must be received on ice the day to	they are sampled o		f Custody			C on su	bsequ	ent da	rys.				
Sample(s) dropped off after hours to a secure drop off area.		Chain 0	Custody	Hotesy Billi									
envirotech Analytical Laboratory	the state of the s		nington, NM 87401 2 Street, Suite 1 IS.	Durango CC 81301		12-0615 Fr	-					en Name	Total Tales John

Page 6 of 6



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

Tim Cain, Laboratory Manager

Entire Report Reviewed By:

Date:

11/25/15

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.



Project Name:

Good Times 24-10

P.O. Box 3337

Project Number: Project Manager: 05206-0001

Reported: 25-Nov-15 12:07

Farmington NM, 87499

Mike Hanson

25-1404-15

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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Farmington NM, 87499

Project Name:

Good Times 24-10

P.O. Box 3337

Project Number: Project Manager: 05206-0001

Mike Hanson

Reported: 25-Nov-15 12:07

Good Times 24-10 P511033-01 (Water)

Analyte		-							
Allalyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cation/Anion Analysis									
оН @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	Н
Nitrite-N	54.1	0.25	mg/L	1	1547013	11/18/15 09:00	11/19/15 19:09	EPA 300.0	H
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	Н
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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Project Name:

Good Times 24-10

Spike

Source

%REC

P.O. Box 3337

Project Number: Project Manager:

Reporting

05206-0001

Reported:

RPD

Farmington NM, 87499

Mike Hanson

25-Nov-15 12:07

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1547013 - Anion Extraction EPA 3	00.0									
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	5			
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	н	50.0		94.5	90-110			
Matrix Spike (1547013-MS1)	Source	ce: P511036-	01	Prepared &	& Analyzed:	18-Nov-15	5			
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	ce: P511036-	01	Prepared &	& Analyzed	: 18-Nov-1	5			
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	н	50.0	3.90	104	80-120	0.0715	20	
o-Phosphate-P	257	2.50	н	250	ND	103	80-120	0.0778	20	

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20.0

5796 US Highway 64, Farmington, NM 87401

Sulfate

Ph (505) 632-0615 Fx (505) 632-1865

500

ND

95.0

80-120

0.0211

20



Project Name:

Good Times 24-10

P.O. Box 3337

Project Number:

05206-0001

Reported: 25-Nov-15 12:07

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 OI + GAS, INC				2012/10/26 22/00/24/4	Lab Use Only Analysis and Meth					hod	od lab Only			
Project: Good Times Z4-10			1d	41/2/C/0/2002/95/2009/4	ab WO#				,	51			14	
Sampler: Milce HANSON				P 511	033					1000	1			(5)
Phone: 505-330-2903				Jo	b Number	8015			10	E 3	1		Lab Number	2
Email(s): Mhanson @ cog-fmw, com				052	106-000	8 20	72	12	300.0	3 3			Nur	3
Project Manager: Milke HANSON				of	L	80	8 /	418	le b	6 12	1		Lab	3
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservath	e GRO/DRO by	BTEX by 8021	TPH by 418.1	Chloride by	11				Correct Cont/Prisiv (s) 1/N
GOOD TIMES 24-10	11/8/15	3:009	1 Hzo	Non	e				1	X			1	1
										T				
							T	П			П			
				,			T	П			П	\sqcap		
						\top	T	П		\top	П			
						_	\dagger	П	1	\top	H			
						\top	\dagger	Н	+	\top	H			
						+	+	Н	+	+	Н	\top		
						+	+	Н	+	+	Н	+		
Reflipquished by: (Signature) Date Time		by: (Signa		Date	Time					Use O	nly		Solu I	
//hhg/ans 1//13 5:30Pr	Jaen	Dene Zazza		11-16-15	7:05		Received on Ice Y / N							
Relinquished by: (Signature) Date Time	Received by: (Signature)			Date	20/02/04	T1 <u>(J.()</u> T2 AVG Temp °C					T3			
Sample Matrix: \$ - Soll, \$d - Solid, \$g - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amb											amber	glass, v -	AOV	
**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:														
Sample(s) dropped off after hours to a secure drop off area.		Chain o	Custody	restesy pillin	ig allo:									
envirotech														
Analytical Laboratory	material and the second section is a financial section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the		ingson, AM 87401 Street. Suite 115	Ph 4565 632-9615 FX (505-652-1865 Duxangs, CO 81301 Ph 4576) 259-8615 FT (800) 362-1874							-	£117	rotect inc	.005)

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