



SEP 23 2015

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www.GreenAnalytical.com

Conoco Phillips-Farmington  
3401 30th Street  
Farmington NM, 87401

Project: Braden Head  
Project Name / Number: [none]  
Project Manager: Kevin Fredrickson

Reported:  
09/16/15 18:50

**Lively #17 - API - 30-045-21325**  
**1508366-01 (Water)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**General Chemistry**

Chloride*	<10.0	10.0	5.00	mg/L	1	09/14/15	4500-Cl- C		LLG
pH*	10.4			pH Units	1	08/28/15	EPA150.1	H4	MAJ
Sulfate	2.51	10.0	1.68	mg/L	1	09/11/15	4500-SO42- E		ABP
TDS*	365	10.0		mg/L	1	09/02/15	EPA160.1		ABP

**Luthy #1**  
**1508366-02 (Water)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**General Chemistry**

Chloride*	<10.0	10.0	5.00	mg/L	1	09/14/15	4500-Cl- C		LLG
pH*	9.50			pH Units	1	08/28/15	EPA150.1	H4	MAJ
Sulfate	229	50.0	8.40	mg/L	5	09/11/15	4500-SO42- E		ABP
TDS*	650	10.0		mg/L	1	09/02/15	EPA160.1		ABP

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

Debbie Zufelt, Reports Manager

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16 September 2015

Kevin Fredrickson  
Conoco Phillips-Farmington  
3401 30th Street  
Farmington, NM 87401  
RE: Braden Head **LIVELY 17 - API - 30-045-21325**

Enclosed are the results of analyses for samples received by the laboratory on 08/27/15 13:05.  
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water



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09/16/15 18:50

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Lively #17 API - 30-045-21325	1508366-01	Water	08/26/15 08:00	08/27/15 13:05
Luthy #1	1508366-02	Water	08/26/15 08:00	08/27/15 13:05

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Reported:  
09/16/15 18:50

### Notes and Definitions

Q1	Sample received outside of acceptable temperature range for analyses requiring cold storage.
H4	pH analysis performed more than 48 hours after sampling.
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 *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

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Client: COP	Phone# 215-3184	Contact: Kevin
Address: Farmington, NM	E-Mail Address: Kevin.G.Franks@COP.com	

**GAL**  
GREEN  
Analytical  
Laboratories

75 Suttle Street  
Durango, CO 81303  
Phone: 970-247-4220  
FAX: 970-247-4227

**CHAIN OF CUSTODY RECORD**

GAL Work Order # 1508-346

PO#

Project Name:

32.9°C  
NO<sub>2</sub> a  
50C  
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Dgo

Q1

Sample Location: (1)BumperSpring, (2)CompressorDischarge, (3)Flowline, (4)Meter, (5)Oil Tank  
(6)PigLauncher, (7)PigReceiver, (8)Pipeline, (9)Pit Tank, (10)PostFilter, (11)PreFilter  
(12)SeparatorInlet, (13)SeparatorOutlet, (14)SeparatorDump, (15)SWDInlet  
(16)SWDOutlet, (17)TransferPump, (18)ValveCan, (19)WaterTank, (20)Wellhead  
(21)Other

Sample Type: (1)Casing, (2)CO2GasTube, (3)Coupon, (4)Water, (5)H2SGasTube, (6)Metals  
(7)O2GasTube, (8)PipeSection, (9)Residual, (10)Sludge, (11)Solid, (12)Tubing, (13)Other

Collection							Preservative		Analyses Required				
Well Name (Sample Name)	Date	Time	Collected By: (Init.)	Sample Location	Sample Type	No. of Containers	Filtered: Y/N	Unpreserved	H2SO4	Other:	Iron and Manganese	Phosphate	Full Water API
1. Lively #17	8/26/15	8:00	MSO	20	4	1	N	✓					
2. Lathy #1 api-30-045-05992	8/26/15	8:00	MSO	20	4	1	N	✓					
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4.													
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20.													

Relinquished by:	Date:	Time:	Received By:	Date:	Time:
Charmaine Clain	8/27/15	1:05	Charmaine Clain	8/27/15	1305
Charmaine Clain	8/27/15	1655	Kangaroo Express	8/27/15	1655
Kangaroo	8-28-15	930	Michael Valente		