

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

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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
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

Debbie Zufelt, Reports Manager

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75 Suttle Street
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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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3401 30th Street
Farmington NM, 87401

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

Reported:
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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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.Fredrickson@Cof.com	



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

CHAIN OF CUSTODY RECORD
GAL Work Order # 1508-366
PO#
Project Name:

32.9c
NO₂ 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

Well Name (Sample Name)	Collection						Preservative				Analyses Required			
	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	Bradlow Head
1. Lively #17	8/26/15	8:00	MSO	20	4	1	N	✓						X
2. Lathy #1 api-30-045-05992	8/26/15	8:00	MSO	20	4	1	N	✓						X
3.														
4.														
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18.														
19.														
20.														

Relinquished by:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	8/27/15	1:05	Christina Clain	8/27/15	1305
Christina Clain	8/27/15	16:55	Kangaroo Express	8/27/15	16:55
			Kangaroo	8-28-15	930
			Michael Valente		