



October 27, 2022

Mr. & Mrs. Jose & Jennie Gonzales
16291 E. 136th Ave.
Brighton, CO 80601

RE: BASELINE GROUNDWATER QUALITY TESTING RESULTS

Dear Mr. & Mrs. Gonzales,

Aquionix, Inc. has been retained by Providence Operating DBA POCO Operating (POCO) to conduct a baseline groundwater quality evaluation in conjunction with oil and gas development activities. This activity is required under Rule 609 of the Colorado Oil and Gas Conservation Commission's (COGCC) Rules and Regulations for the groundwater baseline sampling and monitoring program.

The purpose of this letter is to provide you with a copy of the groundwater quality test results collected on August 02, 2022 at the water well in the table below:

Permit #	Receipt #	Latitude (Permit)	Longitude (Permit)	Sample Location Information (Field)	Sample I.D.
35953	9003533	39.945100	-104.797128	Spigot near wellhead	35953-Gonzales

Please find enclosed field documentation and a copy of the test results conduct by Origins Laboratory (Origins), Denver, CO. The results were also released to the COGCC for their review and use, which may include posting to publicly available databases.

If you have any questions or concerns, please contact Scott Legg at 303-289-7520. Thank you for your cooperation with this matter.

Sincerely,

Scott Legg
Project Manager II

Enclosures:

- Field Documentation (Field Sampling Data Sheets & Calibration Forms)
- Origins Test Results: Y208066



General

POCO Operating
9635 Maroon Circle
Englewood, CO 80112

Contact: Meghan Grimes
Project Name: Brighton Lakes

Purpose of Sampling: Initial baseline sampling for water source 35953.

Quality Control

As a standard quality control practice, sample containers, tubing, and filters are new, sealed, and unopened until the time of collection. Any non-disposable sampling equipment is thoroughly cleaned and rinsed in accordance with Rule 609 Colorado Oil and Gas Conservation Commission (COGCC) Model Sampling and Analysis Plan. This precludes the use of any equipment that may contain trace amounts of pollutant. Each sample is labeled prior to, or at the time of, sampling on a self-adhesive label with waterproof ink. As a minimum, the sample number, name of collector, date and time of collection, and sample preservative are included on the label.

Samples are immediately stored on ice to begin the cooling process to the COGCC recommended storage temperature of 4°C during collection and transit to the laboratory.

Summary of Samples Taken

Sample Identification Number: 35953 - Gonzales

Sample Date: 08/02/2022

Sample Time: 10:37

Type/Description of Sample:

Groundwater baseline sample collected at a domestic well (Latitude: 39.94405, Longitude: -104.79736) in Brighton, CO. 35953 is verified to be within ½ mile to the surface hole location of well Brighton Lakes.

Method of Preservation:

Samples were preserved in accordance with COGCC Rule 609 Table 5.1 *Sample Preservation and Handling*.

Analysis Requested:

Analysis requested in accordance with COGCC Rule 609 Table 7-1 *Analytical Parameters*.

Authorization:

Scott Legg

10/27/2022

Date



Photograph 1
35953-Gonzales
Sample Location



Photographs 2 & 3
35953-Gonzales
Wellhead



Photograph 4
35953-Gonzales
Initial Water Quality



Photograph 5
35953-Gonzales
Final Water Quality

Field Sampling Data Sheet

COGCC Facility ID: 762063
Site Address: 16500 E 132nd Ave. Brighton, CO 80601
Site Contact: see property owner
Phone #: 720-441-0716
Date of Sample: 08/02/22
Sample Type (baseline, post-drill, complaint): Baseline
Oil & Gas Well API Number: _____

Property Owner Name: Jose & Jennie Gonzales
Property Owner Phone Number: 303-659-1991
Property Owner Mailing Address: 16291 E 136th Ave.
Brighton, CO 80601

Individuals Present (Who was on-site during the sampling event?)

N/A

Water Well Information from Permit Records

Permit No.: 35953
Receipt No.: _____
Total Depth (ft.): 185'
Static Water Level (ft.): 48'
Yield (GPM): _____
Well Diameter (in.): 6 5/8" (0'-57'), 5" (57'-185')

Water Well Information Onsite

GPS Location (field): 39.94405, -104.79736
GPS Location (post-processed): same
Water well casing height (in.): 3"
Ground Elevation (ft.): 5055 How determined: Garmin GPS
Approximate distance to the Oil & Gas well pad: 1238'
%LEL at wellhead (if measured): N/A
%CH₄ at wellhead (if measured): N/A
Weather conditions: 95°F
Photo(s) Taken? **Y** **N**
Handed Out Landowner Introduction Letter? **Y** **N**
Handed Out FAQ Sheet? **Y** **N**
Handed Out "How Well Do You Know Your Water Well" Pamphlet? **Y** **N**

Where was the Sample Taken? Yard Hydrant
(Outside Tap, Well House, Kitchen Tap, Spring, Seep, etc.)

Condition of the Well, Spring or Seep (Wellhead sealed? Does the ground slope away from the well?, Visible contamination of spring/seep?, etc.):

Well appears in good condition, sealed
w/in concrete cellar

Sample Collection Field Sheet

Sample ID: 35953 - Gonzales

Groundwater Monitoring Well Purging/Sampling Information

Purge Start Time: 1005 Purge End Time: 1030
 Purge Rate (gpm): 5 Total Purge Volume (gal): 125* 130* KT

Final Field Parameters	pH (s.u.)	Temp (°C)	Sp. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Turbidity (ntu)
	8.67	15.4	509.8	186.1	5.25	

08/02/22

Water Quality Field Parameters

Time	Volume Removed (gal)	pH (s.u.)	Temp (°C)	Sp. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Turbidity (ntu)	Bubbles or Effervescence?
1005	0	8.65	15.2	466.0	179.4	10.73	0.02	no color, odor
1010	25	8.65	15.2	493.7	182.6		0.02	
1015	50*	8.69	15.4	504.0	183.4	23.1	13.8	
1020	75*	8.67	15.3	510.5	186.5	6.94	5.54	
1025	100*	8.68	15.4	511.6	186.2	5.22	10.4	
1030	125*	8.67	15.4	507.5	185.2	5.17	2.76	
1035	130*	8.67	15.4	509.8	186.1	5.25	2.72	

Notes: Measure field parameters every 5 minutes.
 Minimum of 6 parameter measurements required.
 Stabilization is demonstrated by a variance of no more than +/- 10% for temperature, turbidity (if >10 NTU), DO (if >0.5 mg/L) and specific conductance; +/- 10 mV for ORP; and +/- 0.2 s.u. for pH.

Comments: * Water pressure / purge rate fluctuating since 1015

Aquionix, Inc.

YSI Multi Meter Calibration Form

Client Name: POCO Corp

Aquionix Project Number: 113862-Pfannenstiel / 35953-Gonzales

Date: 8/2/22

Meter 1: S/N # 12C100181

Meter 2: S/N # 15A104951

Pre Sampling Time: 7:42

Post Sampling Time: 11:23

Performed By: Kevin Teiken

Calibration

The multimeter must be calibrated/verified **before and after** sample collection. In addition, the meter must be calibrated/verified for **all** field parameters that are to be measured and recorded.

Perform a three point pH calibration. Record measured value for each buffer solution after calibration has been completed. In addition, record pH mV values. After accepting a good calibration, navigate to the GLP file and check the pH Slope and Slope % of ideal. A good slope should be between 55 and 60 mVs while the ideal is 59 mV.

- A value of +50 or -50 mVs in buffer 7 does not indicate a bad sensor.
- The mV span between pH 4 and 7 and 7 and 10 mV values should be \approx 165 to 180 mV. 177 is the ideal distance.
- If the mV span between pH 4 and 7 or 7 and 10 drops below 160, clean the sensor and try to recalibrate.
- If the slope drops below 53, the sensor should be reconditioned and recalibrated.

Calibration/Standard	Pre Sampling Value	Post Sampling Value
pH 4.0 Buffer Lot#: P10010412101 Exp Date: 2/10/2023	S.U. <u>3.99</u>	S.U. <u>4.03</u>
pH 7.0 Buffer Lot#: P10020402101 Exp Date: 2/9/2023	S.U. <u>6.98</u>	S.U. <u>7.05</u>
pH 10.0 Buffer Lot#: P10052792101 Exp Date: 10/06/2023	S.U. <u>10.02</u>	S.U. <u>10.01</u>
Conductivity Standard 1413 (μS/cm) Lot#: 2GD997 Exp Date: April 2023	<u>1439</u>	<u>1425</u>
ORP Standard 220 (mV) Lot#: 2GF637 Exp Date: March 2023	<u>219.9</u>	<u>218.9</u>
DO Water Saturated Air (100%)	<u>100%</u>	<u>100%</u>

Sample Collection Field Sheet

Sample ID:

Aquionix™, Inc.

Turbidity Meter Calibration Form

Client Name: POCO Corp

Date: _____

Pre Sampling Time: 08:49 Post Sampling Time: 11:12

Performed By: Kevin Teiken

Calibration Pre/Post Sampling Check

Standard	Pre Sampling Value	Post Sampling Value
Source 1 <0.1 ntu Lot No: 21D Expiration: 01/23	ntu <i>0.02</i>	ntu <i>0.02</i>
Source 2 20 ntu Lot No: 28D Expiration: 01/23	ntu <i>20.5</i>	ntu <i>19.9</i>
Source 3 100 ntu Lot No: 32D Expiration: 04/23	ntu <i>97.5</i>	ntu <i>98.5</i>
Source 4 800 ntu Lot No: 32D Expiration: 04/23	ntu <i>798</i>	sntu <i>798</i>

*The turbidity meter was calibrated on the same day of the sample analysis using the following standards:

Calibration results outside of +/- 5% from the standard shall require the calibration procedure to be conducted again.

