



April 3, 2018

Mr. Tim Iverson  
5011 F Street  
Greeley, CO 80631

Re: COGCC Complaint #200445569 - Final Resolution

Dear Mr. Iverson,

The Colorado Oil & Gas Conservation Commission (COGCC) received a complaint (Document #200445569) from you on March 12, 2018. In the complaint, you made several allegations associated with a flow line release related to the Lucero 34-10 (API #123-17156) owned by SRC Energy, Inc. (SRC). The seven primary allegations in your complaint are paraphrased below:

1. The Lucero 34-10 flow line is leaking in three places and has impacted both ground water and surface water. You specifically alleged that a 25-acre lake to the north of the flow line and a water supply ditch to the south of the flow line had been contaminated by the release.
2. Both COGCC and SRC personnel refused to collect surface water samples from the ditch or lake.
3. The flowline should have been pressure tested after the home explosion in Firestone.
4. The spills were not reported in accordance with COGCC regulations.
5. This is a large and destructive contamination and you want SRC to clean it up to original pristine conditions no matter what the cost.
6. You did not believe that the remediation was adequate and characterized it as, ".....throwing a bucket of dish soap with enzymes in it on the biggest spill and covering it up....."
7. COGCC staff did not do their job because SRC was not cited for a violation.

In a phone conversation with you on March 19, 2018, we discussed the allegations in more detail. Regarding the impacts to the lake and ditch, you stated that you observed bubbles in the water supply ditch in mid December 2017. You also indicated that you had collected water samples from the lake and ditch. You stated that the water samples were analyzed by the Weld Laboratories for BTEX and the results indicated that the surface water was contaminated. You provided the results page of the lab report for two samples you collected.



*Mr. Tim Iverson*

*April 3, 2018*

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As part of the investigation into your complaint, COGCC reviewed the pertinent records related to the well history, transfer of ownership, operational status, flow line testing, spill reporting, remediation and potential enforcement. In addition, the location was inspected by COGCC on three different occasions after the releases were reported (Document #s 679700808, 690100388 and 679700820). Those inspections were performed to document conditions and coordinate cleanup with the operator. A response to each of your seven allegations is provided below.

1. COGCC is only aware of two spills related to the Lucero 34-10 flow line. SRC acquired the well from Noble Energy (Noble) on September 1, 2017. The well was shut-in at that time. On February 6, 2018, SRC performed a flow line pressure test that failed. Based on the failed test, SRC began investigating to determine the locations of the line failure. On February 6, 2018, SRC discovered a historical release (Spill #454029). During additional investigation consisting of excavation activity along the flow line, a second historical release (Spill #454050) was identified on February 14, 2018. Refer to attached Timeline.

After the spills were reported, SRC retained Tasman Geosciences (Tasman) to conduct a site assessment to determine the lateral and vertical extent of impacts associated with each release point. The Form 27 Site Investigation and Remediation work plan was submitted by SRC and approved by COGCC on February 16, 2018 (Remediation Project #11033). Tasman performed the site assessment the following week and submitted a supplemental Form 27 with the site assessment report (Document #401562716) on March 5, 2018.

The site assessment activities included the installation of five soil borings that were completed as monitor wells at each release point. One monitor well installed near the release point at each spill did contain detectable concentrations of benzene in ground water above the COGCC Table 910-1 standard of 5 parts per billion (ppb). One of these wells also had elevated total xylenes above the standard. No benzene, toluene, Ethylbenzene or xylenes (BTEX) were detected in the groundwater in any of the other surrounding eight monitor wells. Soil samples indicated only one sample directly below one of the spill points that exceeded Table 910-1 standards for total petroleum hydrocarbons (TPH).

In accordance with the approved plan, the soil directly below each spill point was removed and disposed off site. A monitor well was re-installed as close to the original release point after removal of the dirt for ongoing monitoring. An amendment was placed in the excavation prior to backfill.

Based on the results of the site assessment, the two releases from the flow line were localized to the area directly under the release points. Ground water impacts were not detected in any of the offset monitoring wells, which were installed in an array surrounding and in close proximity to the release points. Some of these monitoring wells are located to the north and south of each spill site between the spill and the lake to the north and ditch to the south (refer to

attached Figures from Tasman Report Document #401562716). Since there were no contaminants of concern in any of these monitor wells, there is no evidence that hydrocarbons from the release have migrated in ground water to either body of surface water.

It is important to note that the flowline was shut-in during December 2017 when you observed the bubbles in the ditch. Because the flow line was not in operation at that time, the bubbles did not originate from the flow line.

2. COGCC personnel did not collect any surface water samples at the time because of the requirement for the operator to properly delineate all impacts associated with each release in accordance with COGCC Rules 909 & 910. As described previously, the site assessment documented that hydrocarbon impacts are localized to the area directly below the release point and there is no indication of impacted groundwater migration to either body of surface water.

The lab report you provided for the lake and ditch water samples analyzed by Weld Laboratories do not indicate the presence of benzene in either sample, which was present in the groundwater directly below each release point. The reports indicate that slight detections of toluene and ethyl-benzene were present in the two surface water samples. No detections of toluene or ethyl-benzene were found in the ground water samples collected from the monitor wells installed at each release point. Generally, organic contaminants will reduce in concentration due to sorption, dilution, dispersion and natural biodegradation as they migrate away from a source. Since toluene and ethyl-benzene were not detected in the groundwater at the release points, the slight detections of toluene and ethyl-benzene in the surface water do not appear to be associated with these two releases.

Total xylenes were detected in groundwater at one of the release points and a slight detection was reported for each of the surface water samples. However, none of the detections of toluene, ethyl-benzene or xylenes in the surface water samples exceed the human health based basic standards for organic chemicals in surface water (reference Colorado Department of Public Health and Environment, Water Quality Control Commission, Regulation 31, The Basics Standards and Methodologies For Surface Water).

3. In response to the Flowline Notice to Operators that was issued by COGCC after the tragic incident in Firestone in April of 2017, Noble did perform the required flowline pressure test on May 11, 2017. The line had a starting pressure of 470 psi and held that pressure for a one hour duration. The documentation provided by Noble indicates that the line passed the integrity test. Correspondence regarding the pressure test is attached for your reference.
4. After SRC discovered the releases following their flow line pressure test, the spills were reported in accordance with COGCC Rule 906. Refer to the attached timeline and the SRC New & Old Flowline Test documentation.

5. COGCC has authority to require an operator to remediate spills/releases of produced fluids and/or E&P waste to the cleanup levels for contaminants of concern listed on Table 910-1. These standards were developed to be protective of human health and the environment. COGCC will require the operator to continue to monitor groundwater to verify that contaminants of concern in the monitoring well installed at each release point reaches a level below the Table 910-1 standard. The approved plan requires SRC to continue monitoring the surrounding wells to verify no migration from the former release point. They will be required to demonstrate four consecutive quarters of compliant sample results from all ten monitoring wells at the two sites prior to closure of the remediation project. Surface reclamation in accordance with the 1000 Series rules will be required after remediation.

If you believe that SRC should cleanup the site to a level beyond that required by COGCC rules, you should contact SRC directly to discuss those issues as they may relate to a surface use agreement you may have with the operator.

6. Regarding the remedial approach, SRC has removed the entire flowline and replaced it to avoid any additional release from the line. The new line was pressure tested on March 24, 2018, and passed. They also removed the impacted material below each release point. This action eliminated any ongoing threat of hydrocarbon migration into the groundwater by removing the source. Due to the low concentrations of organics detected in the groundwater, the addition of the amendment was applied to enhance natural biodegradation of any residual contaminants in the groundwater. Ongoing sampling from the monitor well network approved for this remediation is appropriate to verify no migration of the organic constituents in the groundwater and natural attenuation over time.
7. COGCC staff did not find cause to cite SRC for any violations related to the two releases. SRC proactively performed a flowline integrity test before resuming production from the well. When the testing indicated an integrity issue, they immediately began to investigate the site to determine where the line failures were and if there were impacts. After discovering each release, they properly notified COGCC and reported each spill in accordance with Rule 906. They also submitted a Form 27, Site Investigation and Remediation Workplan in a timely manner, implemented it within one week and fully characterized the impacts associated with the releases in accordance with COGCC rules 909 & 910. Because SRC never produced the well prior to the integrity test and discovered the historic releases due to their own testing and properly reported the spills, COGCC has no basis to cite them for any rule violations.

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Based on the complaint investigation performed by COGCC, the reporting of the spill and response by SRC has been performed in accordance with applicable COGCC rules to date. The remediation project will remain active until SRC demonstrates four consecutive quarters of ground water monitoring results below applicable standards. If hydrocarbons are detected in any of the offset monitor wells above Table 910-1 standards during the ongoing monitoring, COGCC will require SRC to perform additional delineation and take additional remedial measures as appropriate.

All of the reports related to the remediation are available to the public. You can access them by going to the COGCC web-site at <http://cogcc.state.co.us>, selecting *Data* followed by *Inspection/Incident*. This will bring up the COGIS Inspection/Incident Inquiry page where you will select *Remediation* and enter 11033 in the *Remediation Project Number* box. Click on the Document # 401547493 and again on Doc to access all of the information related to the remediation project.

As a complainant, if you disagree with COGCC's decision not to issue a Notice of Alleged Violation (NOAV) in this matter, you may file a Petition for Review requesting the commission hear an objection to the decision not to issue the NOAV. The procedure and requirements for filing a Petition for review are outlined in Rule 522.b.(5) and 522.b.(6). You have 28 days after receipt of this letter to file the Petition for Review.

You also have the opportunity to make a public comment at a Commission hearing regarding this matter. A schedule of Commission hearings can be found at <http://cogcc.state.co.us/reg.html#/hearings>.

Your complaint is resolved with this letter. Should you have any questions, please feel free to contact me at 303-894-2100, ext. 5115.

Sincerely,

John E. Axelson, P.G.  
East Environmental Supervisor

Cc. Greg Deranleau - COGCC Environmental Manager  
Rick Allison - COGCC Environmental Protection Specialist

Attachments

Lucero 34-10 (123-17156) Timeline  
Tasman Site Assessment Figures  
Noble Flowline Test Correspondence  
SRC Flowline Test Documentation

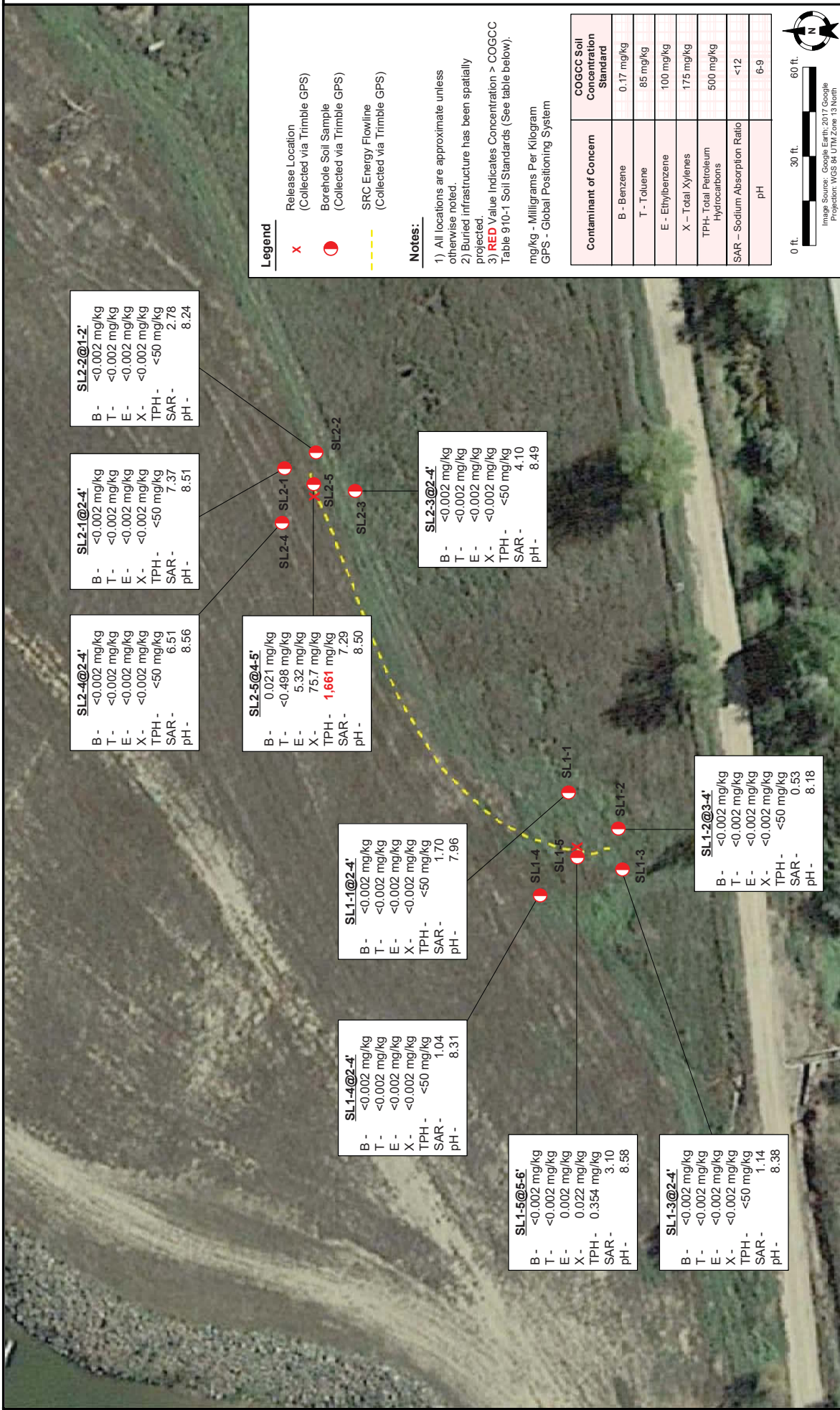
## Lucero 34-10 ([123-17156](#)) Timeline

7/7/1993	Effective Date of Operation by Snyder Oil Corp (#80530)
7/23/1993	Spud Date
8/6/1993	Completion Date
5/2/1996	Effective Date of Operation by Patina Oil & Gas Corporation
5/17/2005	Effective Date of Operation by Noble Energy Production Inc (#10120), doc #1597462. Well listed as PR
9/1/2007	Effective Date of Operation by Noble Energy Inc (#100322), doc #1224850
1/2016	Well reportedly SI January 2016
5/2016	Well returned to production in May 2016
5/11/2017	Noble conducts flowline pressure test in response to NTO.
9/1/2017	Effective Date of Operation by SRC Energy Inc (#10311), doc #401381508
9/2017	Well reportedly shut-in by Noble prior to SRC taking over in September 2017 through February 2017 (Doc #401541390).
2/6/2018	SRC Facilities Group conducts flowline pressure test, per doc #401541390 – failed.
2/6/2018	Initial Discovery of Historical Release – Spill # <a href="#">454029</a>
2/9/2018	Initial Report Date, doc #401541390 – Spill # <a href="#">454029</a>
2/14/2018	Initial Discovery of Historical Release, Spill # <a href="#">454050</a> (Reportedly discovered while walking the line related to Spill # <a href="#">454029</a> )
2/14/2018	Verbal discussion between Operator, EPS, and Tim Iverson (Landowner) of Spills and remediation work, doc #401547493
2/14/18	Field Inspection #679700808 conducted by Rick Allison with Operator and Surface Owner
2/14/18	Field Inspection #690100388 conducted by Joe Maclaren (submitted 2/26/2018)
2/15/2018	Initial Report date, doc #401546313 - Spill # <a href="#">454050</a>

- 2/16/2018 Operator submits eForm 27 workplan, doc #4015474933 – Remediation Project #[11033](#). Plan approved by COGCC
- 2/20/2018 Tasman Geosciences conducts site assessment on behalf of operator.
- 2/20/2018 SRC files Supplemental Forms 19 reporting that remediation work for Spills #454029/-050 proceeding under Remediation #11033. Both spills closed.
- 2/21/2018 Tasman completes field work for initial site assessment, including collection of groundwater samples.
- 2/28/2018 Tasman prepares Site Assessment Report on behalf of Operator
- 3/5/2018 Operator submits Supplemental eForm 27, doc #401562694, with Tasman Report. Plan includes quarterly monitoring of groundwater impacts, to be reported annually
- 3/7/2018 Field Inspection Report #679700820 by Rick Allison documents excavation and disposal of oily waste.



DATE: 02/26/2018 DESIGNED BY: D. Arnold DRAWN BY: B. Fields		Tasman Geosciences, Inc. 6899 Pecos Street – Unit C Denver, CO 80221	<b>SRC Energy, Inc. – DJ Basin</b> <b>Lucero 34-10 Historical Flowline Releases</b> NWSE, Section 34, Township 6 North, Range 66 West Weld County, Colorado	Site Overview	FIGURE 2



**SL2-2@1-2'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - <0.002 mg/kg  
 X - <0.002 mg/kg  
 TPH - <0.002 mg/kg  
 SAR - 2.78  
 pH - 8.24

**SL2-1@2-4'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - <0.002 mg/kg  
 X - <0.002 mg/kg  
 TPH - <0.002 mg/kg  
 SAR - 7.37  
 pH - 8.51

**SL2-4@2-4'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - <0.002 mg/kg  
 X - <0.002 mg/kg  
 TPH - <0.002 mg/kg  
 SAR - 6.51  
 pH - 8.56

**SL2-5@4-5'**  
 B - 0.021 mg/kg  
 T - <0.498 mg/kg  
 E - 5.32 mg/kg  
 X - 75.7 mg/kg  
 TPH - **1,661** mg/kg  
 SAR - 7.29  
 pH - 8.50

**SL2-3@2-4'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - <0.002 mg/kg  
 X - <0.002 mg/kg  
 TPH - <0.002 mg/kg  
 SAR - 4.10  
 pH - 8.49

**SL1-1@2-4'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - <0.002 mg/kg  
 X - <0.002 mg/kg  
 TPH - <0.002 mg/kg  
 SAR - 1.70  
 pH - 7.96

**SL1-4@2-4'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - <0.002 mg/kg  
 X - <0.002 mg/kg  
 TPH - <0.002 mg/kg  
 SAR - 1.04  
 pH - 8.31

**SL1-5@5-6'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - 0.002 mg/kg  
 X - 0.022 mg/kg  
 TPH - 0.354 mg/kg  
 SAR - 3.10  
 pH - 8.58

**SL1-3@2-4'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - <0.002 mg/kg  
 X - <0.002 mg/kg  
 TPH - <0.002 mg/kg  
 SAR - 1.14  
 pH - 8.38

**SL1-2@3-4'**  
 B - <0.002 mg/kg  
 T - <0.002 mg/kg  
 E - <0.002 mg/kg  
 X - <0.002 mg/kg  
 TPH - <0.002 mg/kg  
 SAR - 0.53  
 pH - 8.18

SL1-1

SL1-2

SL1-3

SL1-4

SL1-5

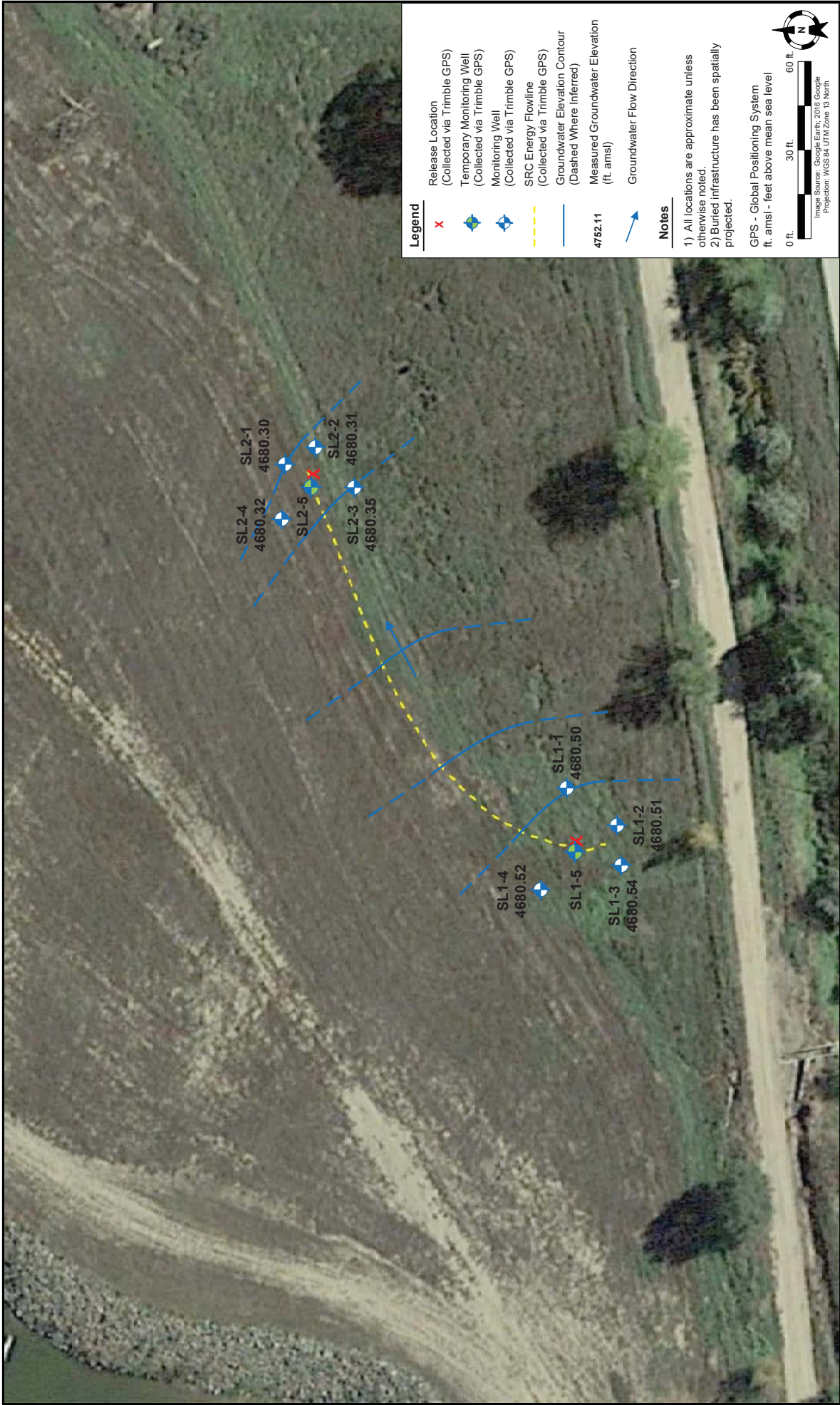
SL2-4

SL2-1

SL2-5

SL2-3

SL2-2



**Legend**

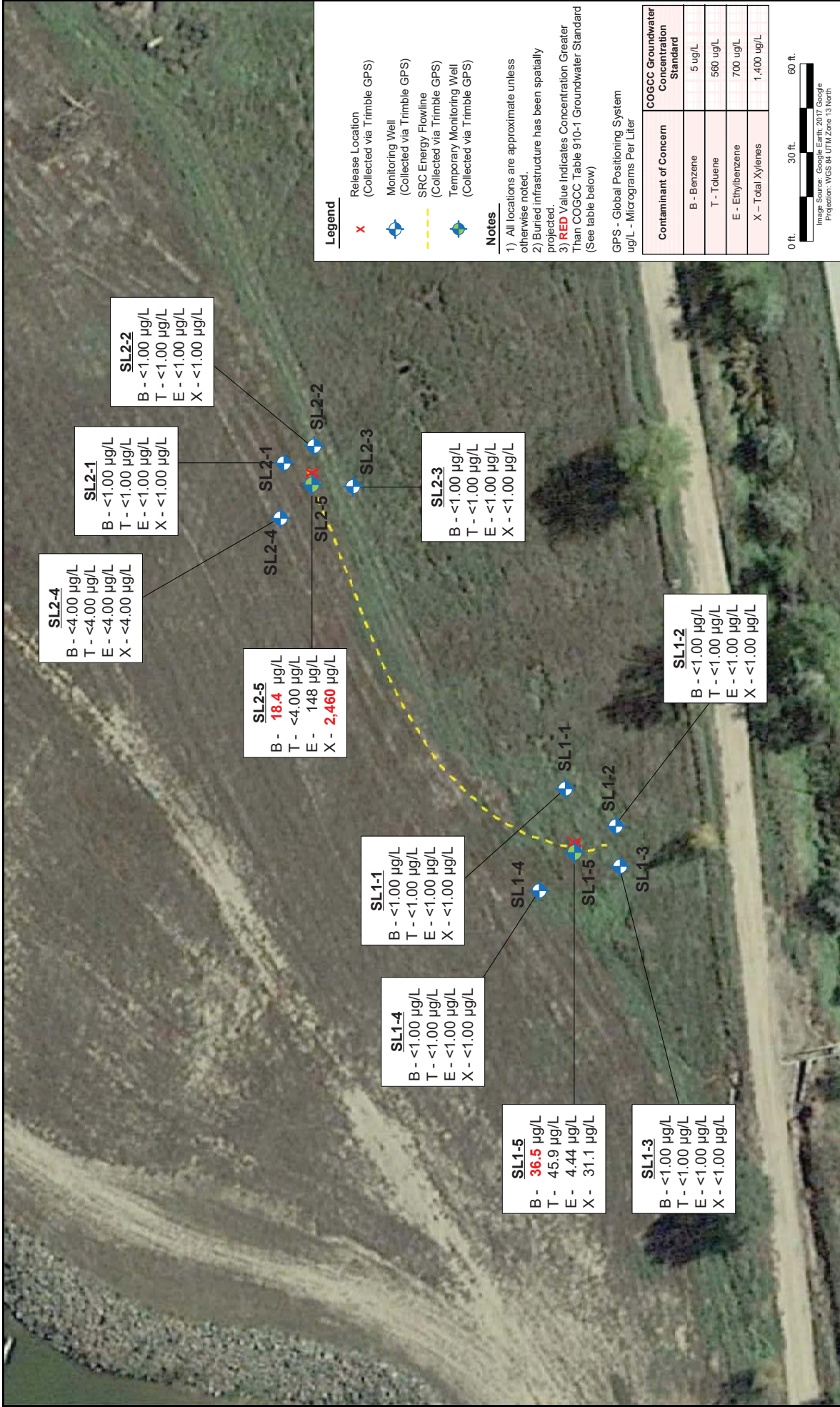
- X Release Location  
(Collected via Trimble GPS)
- ◆ Temporary Monitoring Well  
(Collected via Trimble GPS)
- ◆ Monitoring Well  
(Collected via Trimble GPS)
- SRC Energy Flowline  
(Collected via Trimble GPS)
- Groundwater Elevation Contour  
(Dashed Where Inferred)
- 4752.11 Measured Groundwater Elevation  
(ft. amsl)
- Groundwater Flow Direction

**Notes**

- 1) All locations are approximate unless otherwise noted.
- 2) Buried infrastructure has been spatially projected.

GPS - Global Positioning System  
ft. amsl - feet above mean sea level  
0 ft. 30 ft. 60 ft.  
Image Source: Google Earth; 2018 Google  
Projection: WGS 84 UTM Zone 13 North

DATE: 02/26/2018 DESIGNED BY: D. Arnold DRAWN BY: B. Fields	<b>TASMAN GEOSCIENCES</b> Tasman Geosciences, Inc. 6899 Pecos Street – Unit C Denver, CO 80221	<b>SRC Energy, Inc. – DJ Basin</b> <b>Lucero 34-10 Historical Flowline Releases</b> NWSE, Section 34, Township 6 North, Range 66 West Weld County, Colorado	Groundwater Potentiometric Surface Contour Map (February 21, 2018)	Figure 4
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**SL2-4**  
 B - <4.00 µg/L  
 T - <4.00 µg/L  
 E - <4.00 µg/L  
 X - <4.00 µg/L

**SL2-1**  
 B - <1.00 µg/L  
 T - <1.00 µg/L  
 E - <1.00 µg/L  
 X - <1.00 µg/L

**SL2-2**  
 B - <1.00 µg/L  
 T - <1.00 µg/L  
 E - <1.00 µg/L  
 X - <1.00 µg/L

**SL2-5**  
 B - **18.4** µg/L  
 T - <4.00 µg/L  
 E - 148 µg/L  
 X - **2,460** µg/L

**SL1-1**  
 B - <1.00 µg/L  
 T - <1.00 µg/L  
 E - <1.00 µg/L  
 X - <1.00 µg/L

**SL1-4**  
 B - <1.00 µg/L  
 T - <1.00 µg/L  
 E - <1.00 µg/L  
 X - <1.00 µg/L

**SL1-5**  
 B - **36.5** µg/L  
 T - 45.9 µg/L  
 E - 4.44 µg/L  
 X - 31.1 µg/L

**SL1-3**  
 B - <1.00 µg/L  
 T - <1.00 µg/L  
 E - <1.00 µg/L  
 X - <1.00 µg/L

**SL1-2**  
 B - <1.00 µg/L  
 T - <1.00 µg/L  
 E - <1.00 µg/L  
 X - <1.00 µg/L

**SL2-3**  
 B - <1.00 µg/L  
 T - <1.00 µg/L  
 E - <1.00 µg/L  
 X - <1.00 µg/L

- Legend**
- X Release Location (Collected via Trimble GPS)
  - + Monitoring Well (Collected via Trimble GPS)
  - - - SRC Energy Flowline (Collected via Trimble GPS)
  - + Temporary Monitoring Well (Collected via Trimble GPS)

**Notes**

- 1) All locations are approximate unless otherwise noted.
- 2) Buried infrastructure has been spatially projected.
- 3) **RED** Value Indicates Concentration Greater Than COGCC Table 910-1 Groundwater Standard (See table below)

GPS - Global Positioning System  
 µg/L - Micrograms Per Liter

Contaminant of Concern	COGCC Groundwater Concentration Standard
B - Benzene	5 µg/L
T - Toluene	560 µg/L
E - Ethylbenzene	700 µg/L
X - Total Xylenes	1,400 µg/L



	<p><b>Tasman Geosciences, Inc.</b>          6899 Pecos Street – Unit C          Denver, CO 80221</p>	<p><b>SRC Energy, Inc. – DJ Basin</b>  <b>Lucero 34-10 Historical Flowline Releases</b>          NWSE, Section 34, Township 6 North, Range 66 West          Weld County, Colorado</p>
<p>DATE: 02/26/2018</p>	<p>DESIGNED BY: D. Arnold</p>	<p>FIGURE 5</p>
<p>DRAWN BY: B. Fields</p>	<p>Groundwater Analytical Results Map (February 21, 2018)</p>	



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**FW: Lucero 34-10**

1 message

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**Ellice Hazard - DNR** <Ellice.Hazard@state.co.us>  
To: John Axelson - DNR <john.axelson@state.co.us>  
Cc: Mark Schlagenhauf - DNR <mark.schlagenhauf@state.co.us>

John,

See pressure test information below.

Thank you!

Ellice Whittington

Integrity Engineer



303.894.2100 x 5190

1120 Lincoln Street, Suite 801, Denver, CO 80203

ellice.hazard@state.co.us | www.cogcc.state.us

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**From:** Jacobson - DNR, Eric [mailto:[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)]  
**Sent:** Tuesday, March 20, 2018 1:08 PM  
**To:** Ellice Hazard - DNR  
**Subject:** Fwd: Lucero 34-10

Ellice

This is what I was able to get.

Thanks Eric

----- Forwarded message -----

From: **Scott Park** <[Scott.Park@nblenergy.com](mailto:Scott.Park@nblenergy.com)>  
Date: Tue, Mar 20, 2018 at 1:01 PM  
Subject: Re: Lucero 34-10  
To: "Jacobson - DNR, Eric" <[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)>

No chart. It is put into the tracking software at the time they conduct the test with the gauge in the field.

Thanks

Scott Park

Noble Energy

[970-415-0778](tel:970-415-0778)On Mar 20, 2018, at 12:59 PM, Jacobson - DNR, Eric <[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)> wrote:

Scott

Did Noble chart the pressure? If so, that would be great. If not, this looks good.

Thanks Eric

On Tue, Mar 20, 2018 at 12:38 PM, Scott Park <Scott.Park@nblenergy.com> wrote:

Eric,

Below are the results we have recorded for last year during the NTO. Please let me know if anything else is needed.

ASSET NUMBER	ASET DESCRIPTION	AREA	ROUTE	WELL API	LINE TESTED	TEST DATE	STARTING PSI	ENDING PSI	PSI CHANGE	PASS OR FAIL	COMMENTS	ENTRY DATE	CREATED BY NAME	WO NUM
WELL-V-WAT-422128439	LUCERO 34-10, WELL	A1	A1-03	05-123-17156	FLOWLINES	5/11/17 1:36 PM	470	470	0%	PASS		5/11/17 2:36 PM	Kenny Burgess	331808

Scott Park

Noble Energy Inc.

970-415-0778

**From:** Jacobson - DNR, Eric [mailto:[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)]

**Sent:** Tuesday, March 20, 2018 9:56 AM

**To:** Scott Park <[Scott.Park@nblenergy.com](mailto:Scott.Park@nblenergy.com)>

**Subject:** EXTERNAL: Lucero 34-10

Scott

We are looking for the pressure test records for the Lucero 34-10. It was pressure tested on 5/11/2017 as part of the Flow Line NTO. We realize that the well has changed operatorshi Noble.

If you have documents that show this pressure test, we would like a copy here at the state.

Thanks Eric

--

Eric Jacobson, PE

Integrity Engineer

303-894-2100 (5265)



1120 N Lincoln St Ste 801, Denver, CO 80203

--

Eric Jacobson, PE

Integrity Engineer

303-894-2100 (5265)



1120 N Lincoln St Ste 801, Denver, CO 80203

Eric Jacobson, PE

Integrity Engineer

[303-894-2100](tel:303-894-2100) (5265)



[1120 N Lincoln St Ste 801, Denver, CO 80203](https://www.colorado.gov/denver/1120-N-Lincoln-St-Ste-801-Denver-CO-80203)

# Data Collection Report

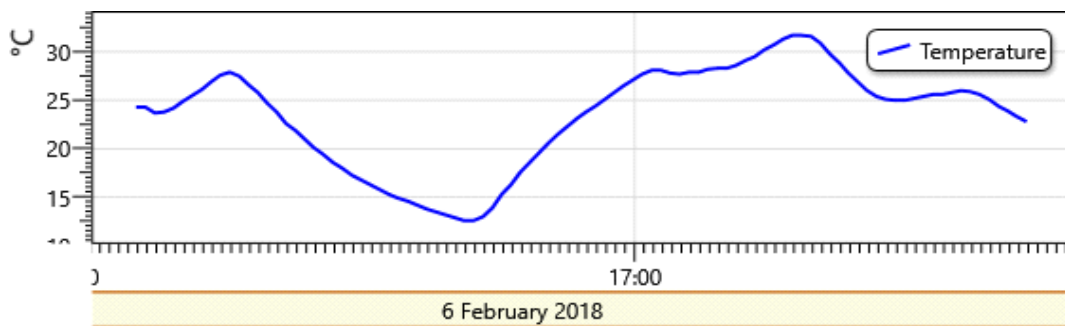
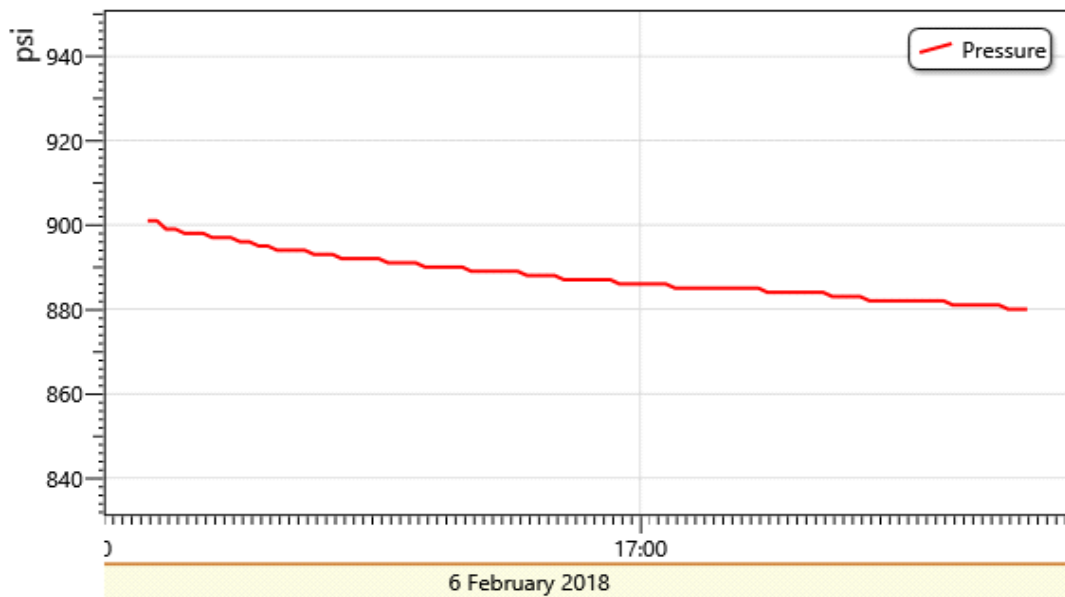
## Gauge Information

Model	ADT680
SN	21816220026
Range	(0-10000)psi
Unit	psi

## Record Information

Start Time	2018-02-06 16:06:47
End Time	2018-02-06 17:41:47
Interval	00:03:00.0
Number	96
MaxValue	901
MinValue	880
AvgValue	888
RecordName	
RecordNumber	542

### Pressure Chart



Notes : Temperature display is the compensation temperature

# Data Collection Report

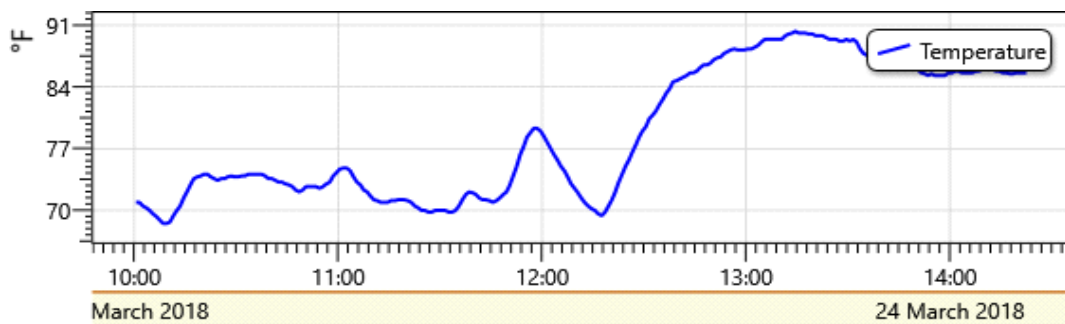
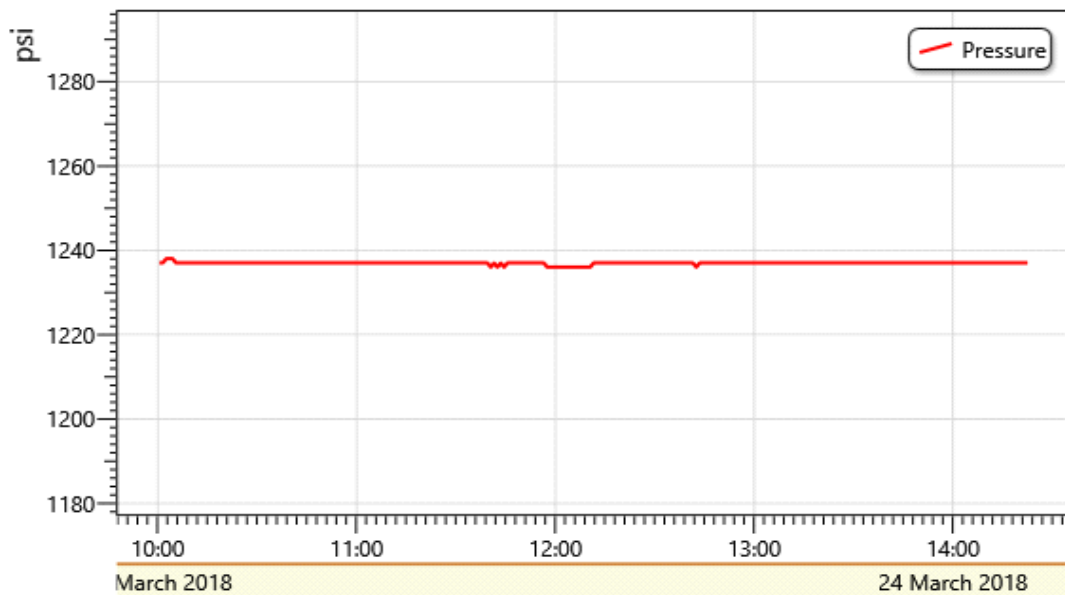
## Gauge Information

Model	ADT680
SN	218171F0041
Range	(0-10000)psi
Unit	psi

## Record Information

Start Time	2018-03-24 10:00:31
End Time	2018-03-24 14:22:31
Interval	00:01:60.0
Number	263
MaxValue	1238
MinValue	1236
AvgValue	1237
RecordName	
RecordNumber	648

### Pressure Chart



Notes : Temperature display is the compensation temperature