

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

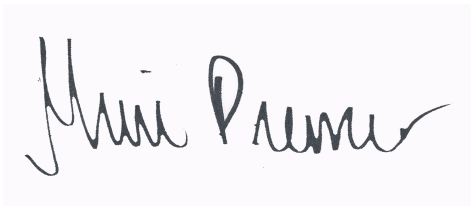
303.277.9310

November 23, 2020

Brent Hedstrom
Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie, WY 82070
RE: Williams 23-18
Work Order #2011149

Enclosed are the results of analyses for samples received by Summit Scientific on 11/12/20 11:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Muri Premer". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

Muri Premer For Paul Shrewsbury
President



Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: Williams 23-18

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
11/23/20 15:22

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------|---------------|--------|----------------|----------------|
| Surface casing | 2011149-01 | Water | 11/04/20 00:00 | 11/12/20 11:10 |

Summit Scientific

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Summit Scientific

2011149

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Client: Crestone Peak Resources

Project Manager: Brent Hedstrom

Address: 10188 East I-25 Frontage road

E-Mail: brent.hedstrom@crestonepr.com

City/State/Zip: Firestone, CO 80504

LOE W13321 Code 8503 COGCC 270919



Phone: 303-434-3007

Project Name: Williams 23-18

Sampler Name:

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | Special Instructions | | |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|---------|-----|-----------|-----|-----|---------|----------------------|---|--|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | Anion | Cations | TDS | BTEX 8020 | DRO | GRO | RSK-175 | | | |
| 1 | Surface casing | 11/4/2020 | | 9 | | X | X | | | X | | | | | X | X | X | X | X | X | X | |
| 2 | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|---------------------------|--|---------------------------|
| Relinquished by:  | Date/Time: 11/12/20 11:10 | Received by:  | Date/Time: 11-12-20 11:10 |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |

| | |
|--|--------|
| Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> | Notes: |
| Sample Integrity: Temperature Upon Receipt: 6.2 Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

Sample Receipt Checklist

S2 Work Order 2011149

Client: Crestone Peak Resources Client Project ID: Williams 23-18

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

| | |
|-----------|-----|
| Temp (°C) | 6.2 |
|-----------|-----|

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | On Ice |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| If custody seals are present, are they intact ⁽¹⁾ ? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | anions |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | HNO3 |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | add @ lab |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

MP
Custodian Printed Name or Initials

Muri Premer
Signature of Custodian

11/12/20
Date/Time



Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: Williams 23-18

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
11/23/20 15:22

Surface casing
2011149-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/04/20 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-----------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 680000 | 10000 | ug/l | 10000 | BDK0195 | 11/17/20 | 11/17/20 | EPA 8260B | |
| Toluene | 1400000 | 10000 | " | " | " | " | " | " | |
| Ethylbenzene | 690000 | 10000 | " | " | " | " | " | " | |
| Xylenes (total) | 3300000 | 20000 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 92000000 | 5000000 | " | " | " | " | " | " | |

Date Sampled: **11/04/20 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 542 % | 23-173 | | " | " | " | " | S-02 |
| Surrogate: Toluene-d8 | | 118 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 1170 % | 21-167 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/04/20 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 210000 | 5.0 | mg/L | 1 | BDK0196 | 11/17/20 | 11/18/20 | EPA 8015M | |

Date Sampled: **11/04/20 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 233 % | 58.9-148 | | " | " | " | " | S-02 |

Dissolved Gases by RSK-175

Date Sampled: **11/04/20 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Methane | 2.3 | 1.0 | mg/L | 100 | BDK0224 | 11/17/20 | 11/19/20 | RSK-175 mod | |
| Ethane | 6.0 | 1.0 | " | " | " | " | " | " | |
| Propane | 23 | 1.0 | " | " | " | " | " | " | |

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Project: Williams 23-18

Project Number: [none]
 Project Manager: Brent Hedstrom

Reported:
 11/23/20 15:22

**Surface casing
 2011149-01 (Water)**

Summit Scientific

Dissolved Gases by RSK-175

Date Sampled: **11/04/20 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------|--------|-----------------|--------|----------|---------|----------|----------|-------------|-------|
| Surrogate: Ethene | | 11.0 % | 70-130 | | BDK0224 | 11/17/20 | 11/19/20 | RSK-175 mod | S-04 |

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 Laramie WY, 82070

Project: Williams 23-18

Project Number: [none]
 Project Manager: Brent Hedstrom

Reported:
 11/23/20 15:22

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|--------|------|--------|-----|-------|--|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | | |

Batch BDK0196 - EPA 3520B

Blank (BDK0196-BLK1)

Prepared: 11/17/20 Analyzed: 11/19/20

C10-C28 (DRO) ND 5.0 mg/L

LCS (BDK0196-BS1)

Prepared: 11/17/20 Analyzed: 11/19/20

C10-C28 (DRO) 49.0 5.0 mg/L 50.0 98.0 70-130

Matrix Spike (BDK0196-MS1)

Source: 2011148-01

Prepared: 11/17/20 Analyzed: 11/19/20

C10-C28 (DRO) 50.3 5.0 mg/L 50.0 4.26 92.0 70-130

Matrix Spike Dup (BDK0196-MSD1)

Source: 2011148-01

Prepared: 11/17/20 Analyzed: 11/19/20

C10-C28 (DRO) 49.0 5.0 mg/L 50.0 4.26 89.5 70-130 2.50 20

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Project: Williams 23-18

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
11/23/20 15:22

Dissolved Gases by RSK-175 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BDK0224 - GC

Blank (BDK0224-BLK1)

Prepared: 11/17/20 Analyzed: 11/19/20

| | | | | | | | | | | |
|--------------------------|---------------|-------|----------|---------------|--|------------|---------------|--|--|--|
| Methane | ND | 0.010 | mg/L | | | | | | | |
| Ethane | ND | 0.010 | " | | | | | | | |
| Propane | ND | 0.010 | " | | | | | | | |
| <i>Surrogate: Ethene</i> | <i>0.0397</i> | | <i>"</i> | <i>0.0364</i> | | <i>109</i> | <i>70-130</i> | | | |

LCS (BDK0224-BS1)

Prepared: 11/17/20 Analyzed: 11/19/20

| | | | | | | | | | | |
|--------------------------|---------------|-------|----------|---------------|--|-------------|---------------|--|--|--|
| Methane | 0.033 | 0.010 | mg/L | 0.0428 | | 77.4 | 70-130 | | | |
| Ethane | 0.077 | 0.010 | " | 0.0798 | | 96.2 | 70-130 | | | |
| Propane | 0.12 | 0.010 | " | 0.139 | | 83.5 | 70-130 | | | |
| <i>Surrogate: Ethene</i> | <i>0.0692</i> | | <i>"</i> | <i>0.0728</i> | | <i>95.1</i> | <i>70-130</i> | | | |

Duplicate (BDK0224-DUP1)

Source: 2011145-01

Prepared: 11/17/20 Analyzed: 11/19/20

| | | | | | | | | | | |
|--------------------------|---------------|-----|----------|---------------|-----|------------|---------------|-------|----|-------------|
| Methane | 3.5 | 1.0 | mg/L | | 3.4 | | | 2.60 | 30 | |
| Ethane | 2.2 | 1.0 | " | | 2.4 | | | 6.68 | 30 | |
| Propane | 2.0 | 1.0 | " | | 2.0 | | | 0.603 | 30 | |
| <i>Surrogate: Ethene</i> | <i>0.0500</i> | | <i>"</i> | <i>0.0364</i> | | <i>137</i> | <i>70-130</i> | | | <i>S-06</i> |

Matrix Spike (BDK0224-MS1)

Source: 2011145-01

Prepared: 11/17/20 Analyzed: 11/19/20

| | | | | | | | | | | |
|--------------------------|---------------|-----|----------|---------------|-----|-------------|---------------|--|--|-------|
| Methane | 4.3 | 1.0 | mg/L | 0.0428 | 3.4 | NR | 70-130 | | | QM-02 |
| Ethane | 2.5 | 1.0 | " | 0.0798 | 2.4 | 198 | 70-130 | | | QM-02 |
| Propane | 1.9 | 1.0 | " | 0.139 | 2.0 | NR | 70-130 | | | QM-02 |
| <i>Surrogate: Ethene</i> | <i>0.0600</i> | | <i>"</i> | <i>0.0728</i> | | <i>82.4</i> | <i>70-130</i> | | | |

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Laramie WY, 82070

Project: Williams 23-18

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
11/23/20 15:22

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- S-04 A sample matrix effect prevented complete surrogate recovery.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
- 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