

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

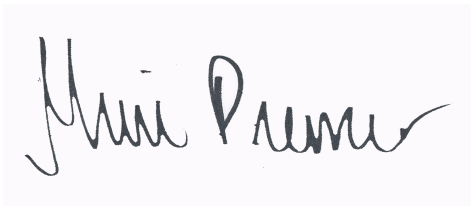
303.277.9310

July 26, 2021

Brent Hedstrom
Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie, WY 82070
RE: FILE 3F-32H
Work Order #2107145

Enclosed are the results of analyses for samples received by Summit Scientific on 07/12/21 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", is displayed on a light purple rectangular background.

Muri Premier For Paul Shrewsbury
President



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

Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------|---------------|--------|----------------|----------------|
| Surface Casing | 2107145-01 | Water | 07/07/21 10:20 | 07/12/21 17:00 |

Summit Scientific

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Summit Scientific

2107145

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

Page 1 of 1

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

COGCC 434246 LOE C82215 8503

Phone: 303-434-3007

Project Name: File 3F-32H

Sampler Name:

Project Number:

| | | | | | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|---------|-----|-----------|-----|-----|---------|--|----------------------|
| ID | Sample Description | Date Sampled | Time Sampled | # of containers | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | Anion | Cations | TDS | BTEX 8020 | DRO | GRO | RSK-175 | | |
| 1 | Surface Casing | 7/7/2021 | 10:20 | 2 | | | | | | | | | X | X | X | X | X | X | X | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|------------------|-------------|------------------|--------------|--|---|
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Turn Around Time (Check) | Notes: |
| <i>BK</i> | 7-12-21 930 | <i>John Brun</i> | 7/12/21 1700 | Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 48 hours <input type="checkbox"/> | |
| | | | | Sample Integrity: | |
| | | | | Temperature Upon Receipt: | 12 |
| | | | | Samples Intact: | <input checked="" type="radio"/> Yes <input type="radio"/> No |

Sample Receipt Checklist

S2 Work Order

2107145

Client: Crestone

Client Project ID:

File 3F-32H

Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

Matrix (check all that apply):

☐ Air

☐ Soil/Solid

☐ Water

☒ Other:

Surface Casing

(Describe)

Temp (°C)

12

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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 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 type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 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.

JB

Custodian Printed Name or Initials

John Br...

Signature of Custodian

7/12/21

Date/Time



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

Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

Surface Casing
2107145-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/07/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 3.1 | 1.0 | ug/l | 1 | BEG0266 | 07/15/21 | 07/21/21 | EPA 8260B | |
| Toluene | 10 | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | 1.8 | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 17 | 2.0 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 5000 | 500 | " | " | " | " | " | " | |

Date Sampled: **07/07/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 36.2 % | 23-173 | " | " | " | " | " | " | |
| Surrogate: Toluene-d8 | 154 % | 20-170 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 94.5 % | 21-167 | " | " | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/07/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 890 | 5.0 | mg/L | 1 | BEG0222 | 07/13/21 | 07/19/21 | EPA 8015M | |

Date Sampled: **07/07/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 240 % | 58.9-148 | " | " | " | " | " | " | S-02 |

Total Metals by EPA Method 200.8

Date Sampled: **07/07/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|---------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Calcium | 1350000 | 5000 | ug/l | 100 | BEG0292 | 07/16/21 | 07/19/21 | EPA 200.8 | |
| Magnesium | ND | 5000 | " | " | " | " | " | " | R-01 |
| Potassium | 614000 | 5000 | " | " | " | " | " | " | |

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

Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

Surface Casing
2107145-01 (Water)

Summit Scientific

Total Metals by EPA Method 200.8

| | | | | | | | | |
|--------|--------|------|------|-----|---------|----------|----------|-----------|
| Sodium | 370000 | 5000 | ug/l | 100 | BEG0292 | 07/16/21 | 07/19/21 | EPA 200.8 |
|--------|--------|------|------|-----|---------|----------|----------|-----------|

Anions by EPA Method 300.0

Date Sampled: **07/07/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 3480 | 240 | mg/L | 4000 | BEG0294 | 07/16/21 | 07/16/21 | EPA 300.0 | |
| Sulfate | 64.4 | 60.0 | " | 200 | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **07/07/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 5120 | 10.0 | mg/L | 1 | BEG0226 | 07/14/21 | 07/14/21 | SM2540C | |

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

Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEG0266 - EPA 5030 Water MS

Blank (BEG0266-BLK1)

Prepared & Analyzed: 07/15/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 500 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 9.63 | | " | 13.3 | | 72.2 | 23-173 | | | |
| Surrogate: Toluene-d8 | 17.3 | | " | 13.3 | | 129 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.6 | | " | 13.3 | | 102 | 21-167 | | | |

LCS (BEG0266-BS1)

Prepared: 07/15/21 Analyzed: 07/16/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 26.2 | 1.0 | ug/l | 33.3 | | 78.5 | 70-130 | | | |
| Toluene | 29.4 | 1.0 | " | 33.3 | | 88.3 | 70-130 | | | |
| Ethylbenzene | 30.7 | 1.0 | " | 33.3 | | 92.2 | 70-130 | | | |
| m,p-Xylene | 59.1 | 2.0 | " | 66.7 | | 88.7 | 70-130 | | | |
| o-Xylene | 29.2 | 1.0 | " | 33.3 | | 87.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 6.27 | | " | 13.3 | | 47.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 14.9 | | " | 13.3 | | 112 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 12.4 | | " | 13.3 | | 93.3 | 21-167 | | | |

LCS Dup (BEG0266-BSD1)

Prepared: 07/15/21 Analyzed: 07/16/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|-------|----|--|
| Benzene | 26.1 | 1.0 | ug/l | 33.3 | | 78.4 | 70-130 | 0.191 | 20 | |
| Toluene | 30.3 | 1.0 | " | 33.3 | | 90.8 | 70-130 | 2.88 | 20 | |
| Ethylbenzene | 31.6 | 1.0 | " | 33.3 | | 94.8 | 70-130 | 2.86 | 20 | |
| m,p-Xylene | 60.9 | 2.0 | " | 66.7 | | 91.4 | 70-130 | 2.98 | 20 | |
| o-Xylene | 30.0 | 1.0 | " | 33.3 | | 90.1 | 70-130 | 2.77 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 7.20 | | " | 13.3 | | 54.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 14.5 | | " | 13.3 | | 109 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 12.6 | | " | 13.3 | | 94.4 | 21-167 | | | |

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Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BEG0222 - EPA 3520B

Blank (BEG0222-BLK1)

Prepared: 07/13/21 Analyzed: 07/15/21

C10-C28 (DRO) ND 5.0 mg/L

LCS (BEG0222-BS1)

Prepared: 07/13/21 Analyzed: 07/15/21

C10-C28 (DRO) 48.0 5.0 mg/L 50.0 95.9 70-130

LCS Dup (BEG0222-BS1)

Prepared: 07/13/21 Analyzed: 07/15/21

C10-C28 (DRO) 47.2 5.0 mg/L 50.0 94.3 70-130 1.67 20

Summit Scientific

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

Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

Total Metals by EPA Method 200.8 - Quality Control
Summit Scientific

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

Batch BEG0292 - EPA 200.8

Blank (BEG0292-BLK1)

Prepared & Analyzed: 07/16/21

| | | | |
|-----------|----|------|------|
| Calcium | ND | 50.0 | ug/l |
| Magnesium | ND | 50.0 | " |
| Potassium | ND | 50.0 | " |
| Sodium | ND | 50.0 | " |

LCS (BEG0292-BS1)

Prepared & Analyzed: 07/16/21

| | | | | | | |
|-----------|------|------|------|------|-----|--------|
| Calcium | 5630 | 50.0 | ug/l | 5000 | 113 | 85-115 |
| Magnesium | 5390 | 50.0 | " | 5000 | 108 | 85-115 |
| Potassium | 5740 | 50.0 | " | 5000 | 115 | 85-115 |
| Sodium | 5410 | 50.0 | " | 5000 | 108 | 85-115 |

Duplicate (BEG0292-DUP1)

Source: 2107160-01

Prepared: 07/16/21 Analyzed: 07/17/21

| | | | | | | |
|-----------|--------|------|------|--------|---------|----|
| Calcium | 139000 | 50.0 | ug/l | 139000 | 0.00669 | 20 |
| Magnesium | 30600 | 50.0 | " | 29800 | 2.67 | 20 |
| Potassium | 4030 | 50.0 | " | 3950 | 2.07 | 20 |
| Sodium | 201000 | 50.0 | " | 198000 | 1.50 | 20 |

Matrix Spike (BEG0292-MS1)

Source: 2107160-01

Prepared: 07/16/21 Analyzed: 07/17/21

| | | | | | | | |
|-----------|--------|------|------|------|--------|------|--------|
| Calcium | 143000 | 50.0 | ug/l | 5000 | 139000 | 81.7 | 70-130 |
| Magnesium | 36200 | 50.0 | " | 5000 | 29800 | 128 | 70-130 |
| Potassium | 10300 | 50.0 | " | 5000 | 3950 | 127 | 70-130 |
| Sodium | 201000 | 50.0 | " | 5000 | 198000 | 70.4 | 70-130 |

Matrix Spike Dup (BEG0292-MSD1)

Source: 2107160-01

Prepared: 07/16/21 Analyzed: 07/17/21

| | | | | | | | | | |
|-----------|--------|------|------|------|--------|------|--------|---------|----|
| Calcium | 144000 | 50.0 | ug/l | 5000 | 139000 | 92.8 | 70-130 | 0.387 | 25 |
| Magnesium | 35400 | 50.0 | " | 5000 | 29800 | 112 | 70-130 | 2.26 | 25 |
| Potassium | 10100 | 50.0 | " | 5000 | 3950 | 124 | 70-130 | 1.60 | 25 |
| Sodium | 201000 | 50.0 | " | 5000 | 198000 | 70.5 | 70-130 | 0.00203 | 25 |

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

Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

Anions by EPA Method 300.0 - Quality Control
Summit Scientific

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

Batch BEG0294 - General Preparation

Blank (BEG0294-BLK1)

Prepared & Analyzed: 07/16/21

| | | | |
|----------|----|--------|------|
| Chloride | ND | 0.0600 | mg/L |
| Sulfate | ND | 0.300 | " |

LCS (BEG0294-BS1)

Prepared & Analyzed: 07/16/21

| | | | | | | |
|----------|------|--------|------|------|-----|--------|
| Chloride | 3.30 | 0.0600 | mg/L | 3.00 | 110 | 90-110 |
| Sulfate | 15.2 | 0.300 | " | 15.0 | 101 | 90-110 |

Duplicate (BEG0294-DUP1)

Source: 2107115-01

Prepared & Analyzed: 07/16/21

| | | | | | | |
|----------|------|------|------|------|------|----|
| Chloride | 245 | 12.0 | mg/L | 250 | 1.94 | 20 |
| Sulfate | 2730 | 60.0 | " | 2890 | 5.63 | 20 |

Matrix Spike (BEG0294-MS1)

Source: 2107115-01

Prepared & Analyzed: 07/16/21

| | | | | | | | |
|----------|------|------|------|------|------|------|--------|
| Chloride | 787 | 12.0 | mg/L | 600 | 250 | 89.5 | 80-120 |
| Sulfate | 5560 | 60.0 | " | 3000 | 2890 | 89.2 | 80-120 |

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2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BEG0226 - General Preparation

Blank (BEG0226-BLK1)

Prepared & Analyzed: 07/14/21

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BEG0226-DUP1)

Source: 2107107-02

Prepared & Analyzed: 07/14/21

Total Dissolved Solids 681 10.0 mg/L 680 0.0588 20

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2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: FILE 3F-32H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
07/26/21 10:46

Notes and Definitions

| | |
|------|--|
| S-02 | The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract. |
| R-01 | The Reporting Limit for this analyte has been raised to account for matrix interference. |
| 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 |