



EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

August 28, 2022

Bradford Billings
EMNRD
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Vince BGH #1
30-025-37104
J-30-9S-35E
Lea County, NM
1RP-3449
Incident # nTO1434537071

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site which currently has an open incident on the NMOCD E-Permitting website. The report is being submitted in reference to the C-141 Initial dated May 4, 2012. EOG Resources, Inc. has included a C-141 Final on the most current form in this Closure Report, and hereby requests closure of the open incident.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

Chase Settle

Chase Settle
Rep Safety & Environmental Sr
EOG Resources, Inc.

Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

Vince BGH #1
Closure Report
30-025-37104
J-30-9S-35E
Lea County, NM
August 28, 2022
nTO1434537071

Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

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Site Map

Soil Analytical Table

Photos

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Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

I. Location

The site is located in Lea County, New Mexico approximately 3.5 miles west of Crossroads.

II. Background

On April 25, 2012, Yates Petroleum Corporation (YPC) had a release of 25 barrels produced water at a tinhorn located just south of the Vince BGH #1 battery. The cause of the release was unknown, but it was suspected that cattle may have damaged the 6-inch poly pipeline where the fluids were released from due to the hoof signs around the break. A vacuum truck was immediately dispatched to the site upon discovery of the release and able to recover 25 barrels of fluid. The area impacted was approximately 20 feet by 10 feet around the valve tin horns. A dirt contractor was mobilized to the site to begin excavation of the visually impacted soils, with the excavated soils being hauled to a NMOCD approved disposal facility. A C-141 Initial (Appendix A) was submitted to NMOCD on May 4, 2012. Initial excavation depth completed prior to sample collection was approximately six (6) inches below grade surface (bgs). On May 10, 2012, after the visually impacted soils had been excavated, initial vertical delineation was completed with samples collected from one (1) to three (3) feet bgs. Based on the laboratory results and depth to groundwater greater than 100 feet bgs for the site, a C-141 Final was submitted at that time for the release. The laboratory results returned no BTEX or TPH concentrations above the Recommended Remediation Action Levels published in the Spill Remediation Guidelines, and without a published chloride action level this was still a common practice. This information is included as part of Appendix C.

III. Scope of Work Completed

At the end of 2016, there was a produced water transfer line release near this site, which prompted the surface owner to inquire about the status of this release (1RP-3449) since the excavation remained open. At the time of inspection with the landowner, the release area had previously undergone further excavation, and now was to a depth of four (4) feet bgs. On April 17, 2017, sidewall and bottom hole confirmation sampling was conducted within the excavation to determine if the site had been sufficiently excavated for backfill to commence, and for final remediation activities to be completed. All samples tested below 250 mg/kg for chloride concentration, confirming that the site required no further remediation activities. Based on the confirmation soil analysis, a Form C-141 Final and supporting documentation was submitted requesting closure for the site on May 5, 2017, and again on June 5, 2017, and again on July 10, 2017. NMOCD responded on July 11, 2017, in which they mandated the installation of a liner prior to backfill of the release site. This documentation is included as Appendix B. Due to the NMOCD mandate of installation of a liner prior to backfill, EOG proceeded to reorganize with the dirt contractor to install a 20 ml synthetic liner prior to the backfill activities. The liner was installed in the bottom of the four (4) foot bgs excavation and the site was immediately backfilled on July 18, 2017.

IV. Closure Request

This release, remediation work, and original C-141 Final submissions occurred prior to the passage of the current Spill Rule (NMAC 19.15.29), however the work which was performed still meets, even exceeds, the requirements of the current Spill Rule. This site was excavated to a point where all soils tested below 250 mg/kg concentration for chloride, a lower threshold than the most stringent requirements of Table 1 within the current Spill Rule, and as a stipulation from NMOCD a 20 ml synthetic liner was installed in the bottom of the excavation.

Based on the completion of these remediation activities, EOG Resources, Inc. requests Closure of nTO1434537071, the current C-141 Closure Form is included with this Closure Report as Appendix D.

Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

Site Map



Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

Soil Analytical Table

| Sample ID | Depth (ft. bgs) | Date | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH (GRO) | TPH (DRO) | TPH EXT DRO | Total TPH | Chlorides |
|-----------|-----------------|---------|---------|---------|--------------|---------|------|-----------|-----------|-------------|-----------|-----------|
| Comp 1.0 | 1 | 5/10/12 | ND | ND | ND | ND | ND | ND | ND | - | ND | 1700 |
| Comp 2.0 | 2 | 5/10/12 | ND | ND | ND | ND | ND | ND | ND | - | ND | 1300 |
| Comp 3.0 | 3 | 5/10/12 | ND | ND | ND | ND | ND | ND | ND | - | ND | 1900 |
| | | | | | | | | | | | | |
| W | 0-4 | 4/17/17 | - | - | - | - | - | - | - | - | - | ND |
| S | 0-4 | 4/17/17 | - | - | - | - | - | - | - | - | - | ND |
| N | 0-4 | 4/17/17 | - | - | - | - | - | - | - | - | - | ND |
| E | 0-4 | 4/17/17 | - | - | - | - | - | - | - | - | - | ND |
| Ex-4 | 4 | 4/17/17 | - | - | - | - | - | - | - | - | - | 8.5 |
| Ex-5 | 5 | 4/17/17 | - | - | - | - | - | - | - | - | - | ND |

Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

Photos



energy opportunity growth

Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022



Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

Appendix A

Original C-141 Initial

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OCD
DEC 11 2014
RECEIVED
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

| | | |
|--|-------------------------------|--------------------------|
| Name of Company Yates Petroleum Corporation | OGRID Number 25575 | Contact Robert Asher |
| Address 104 S. 4 TH Street | Telephone No. 575-748-1471 | |
| Facility Name Vince BGH #1 | API Number 30-025-37104 | Facility Type Battery |
| Surface Owner Fee | Mineral Owner State | Lease No. |

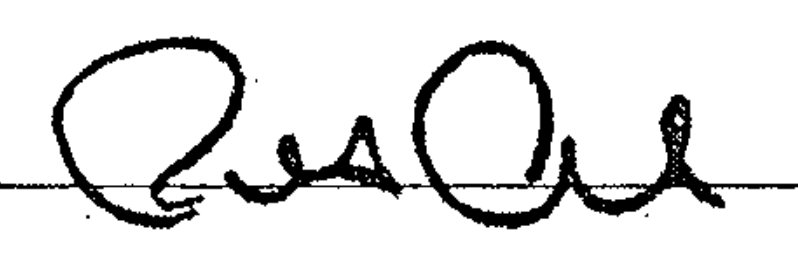
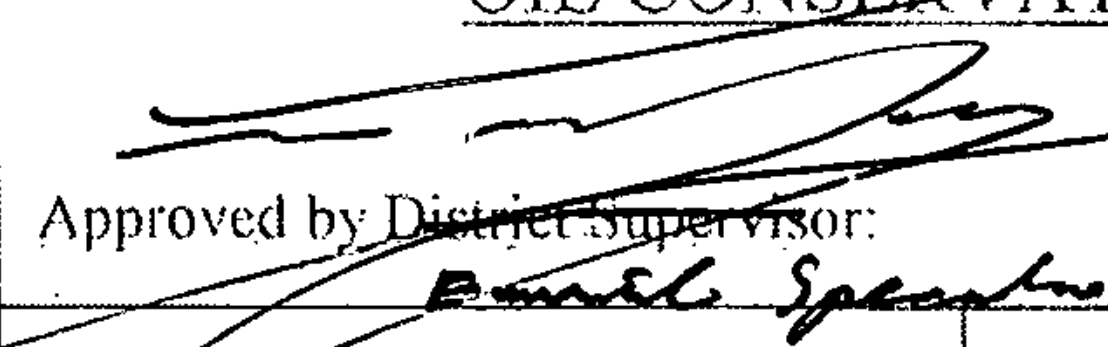
LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| Unit Letter J | Section 30 | Township 9S | Range 35E | Feet from the 1980 | North/South Line South | Feet from the 1750 | East/West Line East | County Lea |
|------------------|---------------|----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

Latitude 33.50332 Longitude 103.39680

NATURE OF RELEASE

| | | |
|--|---|--|
| Type of Release Produced Water | Volume of Release 25 B/PW | Volume Recovered 25 B/PW |
| Source of Release Pipeline polyline | Date and Hour of Occurrence 4/25/2012 - PM | Date and Hour of Discovery 4/25/2012 - PM |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? E.L. Gonzales & Geoffrey Leking/NMOCD I | |
| By Whom? Bob Asher/Yates Petroleum Corporation | Date and Hour 4/26/2012 - AM | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse: N/A | |
| If a Watercourse was Impacted, Describe Fully.* N/A | | |
| Describe Cause of Problem and Remedial Action Taken.* Possible livestock in existing excavation. Possibly rubbing on 6" polyline causing release. Spill reason in assumed due to cattle tracks and fencing around excavation tore down, but undetermined at this time. Vacuum truck called. Pipeline repaired. | | |
| Describe Area Affected and Cleanup Action Taken.* An approximate area of 20' X 10'. Vacuum truck called, picked up all produced water. Impacted soils excavated and being taken to an NMOCD approved facility. Initial vertical/horizontal delineation samples within the impacted area will be analyzed for TPH/BTEX (Chlorides for reference). If initial analytical results for TPH/BTEX are under RRAL's a Final Report, C-141 will be submitted to the NMOCD requesting closure. If the analytical results are above the RRAL, a work plan will be submitted to the NMOCD. Depth to Ground Water: >100' (approx. 135'), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | |

| | | |
|--|---|---|
| Signature:  | OIL CONSERVATION DIVISION | |
| Printed Name: Robert Asher | Approved by District Supervisor:  | |
| Title: Environmental Regulatory Agent | Approval Date: <u>12-11-14</u> | Expiration Date: <u>2-1-15</u> |
| E-mail Address: boba@yatespetroleum.com | Conditions of Approval: <u>with supervisor</u> <u>Robert Asher</u> <u>submit full C-141 by</u> <u>2-11-15</u> | Attached <input type="checkbox"/> <u>IRP3499</u> |
| Date: Friday, May 04, 2012 Phone: 575-748-4217 | | |

* Attach Additional Sheets If Necessary

MAILED

25575
n+01434537071
P+01434537602
DEC 12 2014

Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

Appendix B

Email Correspondence

From: [Yu, Olivia, EMNRD](#)
To: [Bob Asher](#); [Billings, Bradford, EMNRD](#)
Cc: [Chase Settle](#); [Katie Parker](#)
Subject: RE: Form C-141 Final Report (Vince BGH #1, 5/5/2017)
Date: Tuesday, July 11, 2017 10:23:34 AM
Attachments: [image001.png](#)

****External email. Use caution.****

Good morning Mr. Asher:

NMOCD will consider the delineation/ release characterization as complete for 1RP-3449. Please submit a closure report with the final C-141. At a minimum, the closure report must include 1) a scaled map with the dimensions and depth of the excavated area clearly demarcated; and 2) placement of liner stated. Please confirm.

Thanks,

Olivia Yu
Environmental Specialist
NMOCD, District I
Olivia.yu@state.nm.us
575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Bob Asher [mailto:Bob_Asher@eogresources.com]
Sent: Monday, July 10, 2017 2:06 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Chase Settle <Chase_Settle@eogresources.com>; Katie Parker <Katie_Parker@eogresources.com>
Subject: RE: Form C-141 Final Report (Vince BGH #1, 5/5/2017)

Ms. Yu,

On June 5, 2017, I emailed you in regards to the Vince BGH #1 release that occurred on April 25, 2012. I have yet to hear back a response to that email, so due to the sample results that were submitted for that open excavation through email on 5/5/2017, in which samples were taken in all 4 cardinal directions and in the bottom of the excavation, with no chloride concentrations above 250 mg/kg, and EOG Y currently employing a contractor in the area, this release will be backfilled on July 18, 2017, then a C-141 Final will be submitted for closure.

Thank you,

Robert C. "Bob" Asher

Environmental Supervisor

Safety & Environmental Department

EOG Resources, Inc.

Artesia Division

EOG Safety Begins With YOUR Safety



From: Bob Asher

Sent: Monday, June 5, 2017 4:03 PM

To: 'Yu, Olivia, EMNRD' <Olivia.Yu@state.nm.us>

Cc: Chase Settle <Chase_Settle@eogresources.com>; Katie Parker
<Katie_Parker@eogresources.com>

Subject: RE: Form C-141 Final Report (Vince BGH #1, 5/5/2017)

Ms. Yu,

Based on the attached email from Mr. Oberding, EOG Resources, Inc. is requesting closure of 1RP-3449 so the excavation can be backfilled and seeded. EOG has met the conditions including Delineation to 250mg/kg of ~Cl and the consideration of a liner.

Thank you,

Robert C. "Bob" Asher

Environmental Supervisor

Safety & Environmental Department

EOG Resources, Inc.

Artesia Division

EOG Safety Begins With YOUR Safety



From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]

Sent: Thursday, May 18, 2017 12:35 PM

To: Bob Asher <Bob_Asher@eogresources.com>

Cc: Chase Settle <Chase_Settle@eogresources.com>

Subject: RE: Form C-141 Final Report (Vince BGH #1, 5/5/2017)

****External email. Use caution.****

Dear Mr. Asher:

Do you have the email from Tomáš, dated March 15, 2015, stipulating excavation depth and placement of the liner?

Thanks,
Olivia

From: Bob Asher [mailto:Bob_Asher@eogresources.com]
Sent: Friday, May 5, 2017 10:51 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Chase Settle <Chase_Settle@eogresources.com>
Subject: Form C-141 Final Report (Vince BGH #1, 5/5/2017)

Thank you,

Robert C. “Bob” Asher
Environmental Supervisor
Safety & Environmental Department
EOG Resources, Inc.
Artesia Division
Artesia, NM 88210
575-748-4217 (Office)
575-365-4021 (Cell)
EOG Safety Begins With YOUR Safety



From: [Oberding, Tomas, EMNRD](#)
To: [Bob Asher](#)
Subject: RE: Vince BGH #1
Date: Tuesday, December 16, 2014 10:53:10 AM

Aloha Bob,

As this is an active site, OCD conditionally approves temporary closure of this event.

Conditions include-

Delineation to 250mg/kg of ~Cl

Consideration of a liner.

Mahalo for your diligence.

-Doc

Tomáš 'Doc' Oberding, PhD
Senior Environmental Specialist
New Mexico Oil Conservation Division, District 1
Energy, Minerals and Natural Resources Department
(575) 393-6161 ext 111
E-Mail: tomas.oberding@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

From: Bob Asher [mailto:BobA@yatespetroleum.com]
Sent: Wednesday, December 10, 2014 3:53 PM
To: Oberding, Tomas, EMNRD
Subject: Vince BGH #1

Doc,

I am re-submitting the Form C-141 Initial Report (5/4/2012) and the Form C-141 Final Report and supporting documentation (6/6/2012) for the above release. Based on analytical results that then showed after impacted soils to a depth of three (3) feet, chlorides at 1900 ppm. The depth to ground water is greater than 100' (approximately 135' per the ChevronTexaco Trend Map) and Yates would like to request closure and propose backfilling the entire excavation (approximately 20' X 20') with packed caliche to serve as a clay liner. I did not find the Initial and or the Final C-141 scanned in the OCD Online system.

Call me if there are any questions.

Thank you.

Robert Asher
NM Environmental Regulatory Supervisor
Yates Petroleum Corporation
105 S. 4th Street
Artesia, NM 88210
575-748-4217 (Office)
575-365-4021 (Cell)

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Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

Appendix C

Original C-141 Final Reports

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | | |
|--|-------------------------------|--------------------------|
| Name of Company Yates Petroleum Corporation | OGRID Number 25575 | Contact Robert Asher |
| Address 104 S. 4 TH Street | Telephone No. 575-748-1471 | |
| Facility Name Vince BGH #1 | API Number 30-025-37104 | Facility Type Battery |
| Surface Owner Fee | Mineral Owner State | Lease No. |

LOCATION OF RELEASE


| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| J | 30 | 9S | 35E | 1980 | South | 1750 | East | Lea |

Latitude 33.50332 Longitude 103.39680

NATURE OF RELEASE

| | | |
|--|---|--|
| Type of Release Produced Water | Volume of Release 25 B/PW | Volume Recovered 25 B/PW |
| Source of Release Pipeline polyline | Date and Hour of Occurrence 4/25/2012 - PM | Date and Hour of Discovery 4/25/2012 - PM |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? E.L. Gonzales & Geoffrey Leking/NMOCD I | |
| By Whom? Bob Asher/Yates Petroleum Corporation | Date and Hour 4/26/2012 - AM | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. N/A | |
| If a Watercourse was Impacted, Describe Fully.* N/A | | |
| Describe Cause of Problem and Remedial Action Taken.* Possible livestock in existing excavation. Possibly rubbing on 6" polyline causing release. Spill reason in assumed due to cattle tracks and fencing around excavation tore down, but undetermined at this time. Vacuum truck called. Pipeline repaired. | | |
| Describe Area Affected and Cleanup Action Taken.* An approximate area of 20' X 10'. Vacuum truck called, picked up all produced water. Impacted soils excavated and being taken to an NMOCD approved facility. Initial vertical/horizontal delineation samples within the impacted area will be analyzed for TPH/BTEX (Chlorides for reference). If initial analytical results for TPH/BTEX are under RRAL's a Final Report, C-141 will be submitted to the NMOCD requesting closure. If the analytical results are above the RRAL, a work plan will be submitted to the NMOCD. Depth to Ground Water: >100' (approx. 135'), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on depth to ground water, impacted soils excavated/removed, all water recovered and liner to be installed, Yates Petroleum Corporation requests closure. | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | |

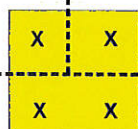
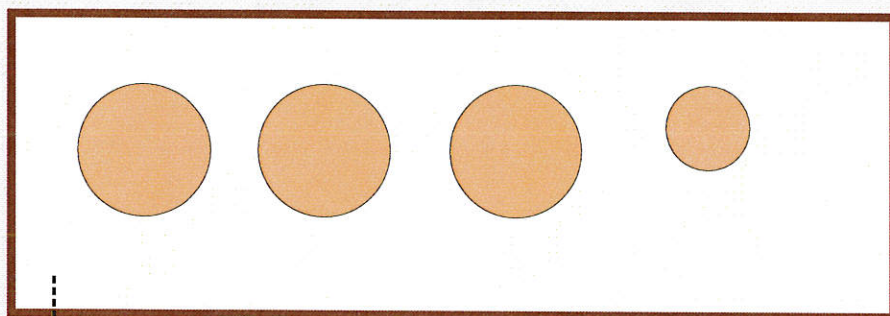
OIL CONSERVATION DIVISION

| | | |
|--|----------------------------------|-----------------------------------|
| Signature:  | Approved by District Supervisor: | |
| Printed Name: Robert Asher | Approval Date: | Expiration Date: |
| Title: Environmental Regulatory Agent | Conditions of Approval: | Attached <input type="checkbox"/> |
| E-mail Address: boba@yatespetroleum.com | 1RP- | |
| Date: Wednesday, June 06, 2012 Phone: 575-748-4217 | | |

* Attach Additional Sheets If Necessary

Battery
(Not to Scale)

Well Head

Release/Excavation
and Sample Area

Buried Pipe Line

| Analytical Report- 1205516 | Sample Area | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|-------------------------------|--------------|-------------|-------------|-------|------|-----|-----|-------|-----------|
| Comp-01.0 | Release Area | 5/10/2012 | Comp/Shovel | 12" | ND | ND | ND | ND | 1700 |
| Comp-02.0 | Release Area | 5/10/2012 | Comp/Shovel | 24" | ND | ND | ND | ND | 1300 |
| Comp-03.0 | Release Area | 5/10/2012 | Comp/Shovel | 36" | ND | ND | ND | ND | 1900 |

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 135', per Trend Map).

All results are ppm. Chlorides for documentation.

Released: 25 B/PW; Recovered: 25 B/PW. Release Date: 4/25/2012



Vince BGH #1

30-025-37104

Section 30, T9S-R35E

Lea County, NM

ENVIRONMENTAL SAMPLE DIAGRAM

(Not to Scale)

June 6, 2012

Prepared by
YPC Environmental Division



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 18, 2012

Robert Asher
Yates Petroleum
105 South 4th
Artesia, NM 88210
TEL: (575) 748-4217
FAX

RE: Vince BGH #1

OrderNo.: 1205516

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/11/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-01.0

Project: Vince BGH #1

Collection Date: 5/10/2012 10:18:00 AM

Lab ID: 1205516-001

Matrix: SOIL

Received Date: 5/11/2012 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015B: DIESEL RANGE ORGANICS | | | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/16/2012 9:52:33 AM |
| Surr: DNOP | 97.4 | 82.1-121 | | %REC | 1 | 5/16/2012 9:52:33 AM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/16/2012 2:39:16 PM |
| Surr: BFB | 105 | 69.7-121 | | %REC | 1 | 5/16/2012 2:39:16 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
| Benzene | ND | 0.048 | | mg/Kg | 1 | 5/16/2012 2:39:16 PM |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/16/2012 2:39:16 PM |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/16/2012 2:39:16 PM |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 5/16/2012 2:39:16 PM |
| Surr: 4-Bromofluorobenzene | 93.6 | 80-120 | | %REC | 1 | 5/16/2012 2:39:16 PM |

Qualifiers: */X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit

Page 1 of 6

Analytical Report

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-02.0

Project: Vince BGH #1

Collection Date: 5/10/2012 10:33:00 AM

Lab ID: 1205516-002

Matrix: SOIL

Received Date: 5/11/2012 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015B: DIESEL RANGE ORGANICS | | | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 5/16/2012 1:49:46 PM |
| Surr: DNOP | 104 | 82.1-121 | | %REC | 1 | 5/16/2012 1:49:46 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.1 | | mg/Kg | 1 | 5/16/2012 3:08:01 PM |
| Surr: BFB | 103 | 69.7-121 | | %REC | 1 | 5/16/2012 3:08:01 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
| Benzene | ND | 0.051 | | mg/Kg | 1 | 5/16/2012 3:08:01 PM |
| Toluene | ND | 0.051 | | mg/Kg | 1 | 5/16/2012 3:08:01 PM |
| Ethylbenzene | ND | 0.051 | | mg/Kg | 1 | 5/16/2012 3:08:01 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/16/2012 3:08:01 PM |
| Surr: 4-Bromofluorobenzene | 92.3 | 80-120 | | %REC | 1 | 5/16/2012 3:08:01 PM |

Qualifiers: */X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit

Page 2 of 6

Analytical Report

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-03.0

Project: Vince BGH #1

Collection Date: 5/10/2012 10:41:00 AM

Lab ID: 1205516-003

Matrix: SOIL

Received Date: 5/11/2012 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015B: DIESEL RANGE ORGANICS | | | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 5/16/2012 2:14:54 PM |
| Surr: DNOP | 94.3 | 82.1-121 | | %REC | 1 | 5/16/2012 2:14:54 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/16/2012 3:36:46 PM |
| Surr: BFB | 105 | 69.7-121 | | %REC | 1 | 5/16/2012 3:36:46 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
| Benzene | ND | 0.048 | | mg/Kg | 1 | 5/16/2012 3:36:46 PM |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/16/2012 3:36:46 PM |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/16/2012 3:36:46 PM |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 5/16/2012 3:36:46 PM |
| Surr: 4-Bromofluorobenzene | 94.4 | 80-120 | | %REC | 1 | 5/16/2012 3:36:46 PM |

Qualifiers: *X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit

Page 3 of 6



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Yates Petroleum Corporation

Work Order Number: 1205516

Received by/date:

Logged By: Lindsay Mangin

05/11/12
5/11/2012 9:15:00 AM

Completed By: Lindsay Mangin

5/11/2012 9:52:40 AM

Reviewed By: ID 05/14/12

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? FedEx

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☒ No ☐ NA
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA
6. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐ # of preserved bottles checked for pH: (<2 or >12 unless noted)
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐ Adjusted?
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐ Checked by:

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

eMail

Phone

Fax

In Person

Regarding:

Client Instructions:

18. Additional remarks:

19. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 4.3 | Good | Yes | | | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 18, 2012

Robert Asher

Yates Petroleum

105 South 4th

Artesia, NM 88210

TEL: (575) 748-4217

FAX

RE: Vince BGH #1

OrderNo.: 1205516

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/11/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-01.0

Project: Vince BGH #1

Collection Date: 5/10/2012 10:18:00 AM

Lab ID: 1205516-001

Matrix: SOIL

Received Date: 5/11/2012 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--------------------------|--------|----|------|-------|----|----------------------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: BRM |
| Chloride | 1,700 | 75 | | mg/Kg | 50 | 5/16/2012 9:58:09 AM |

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Page 1 of 4

Analytical Report

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-02.0

Project: Vince BGH #1

Collection Date: 5/10/2012 10:33:00 AM

Lab ID: 1205516-002

Matrix: SOIL

Received Date: 5/11/2012 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--------------------------|--------|----|------|-------|----|-----------------------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: BRM |
| Chloride | 1,300 | 75 | | mg/Kg | 50 | 5/16/2012 11:25:03 AM |

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Page 2 of 4

Analytical Report

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-03.0

Project: Vince BGH #1

Collection Date: 5/10/2012 10:41:00 AM

Lab ID: 1205516-003

Matrix: SOIL

Received Date: 5/11/2012 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--------------------------|--------|----|------|-------|----|-----------------------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: BRM |
| Chloride | 1,900 | 75 | | mg/Kg | 50 | 5/16/2012 11:37:27 AM |

Qualifiers: *X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Page 3 of 4



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Yates Petroleum Corporation

Work Order Number: 1205516

Received by/date:

Logged By: Lindsay Mangin

05/11/12
5/11/2012 9:15:00 AM

Completed By: Lindsay Mangin

5/11/2012 9:52:40 AM

Reviewed By: ID 05/14/12

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? FedEx

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☒ No ☐ NA
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA
6. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐ # of preserved bottles checked for pH:
(<2 or >12 unless noted)
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐ Adjusted?
16. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐ Checked by:

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: _____

eMail _____

Phone _____

Fax _____

In Person _____

Regarding: _____

Client Instructions: _____

18. Additional remarks:

19. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 4.3 | Good | Yes | | | |

Turn-Around Time:

| | |
|------------------|-------------------------------|
| X Standard | <input type="checkbox"/> Rush |
| Project Name: | |
| Vince BGH #1 | |
| Project #: | |
| 30-025-37104 | |
| Project Manager: | |
| Robert Asher | |
| Sampler: | |
| Same | |

[illegible]

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

| |
|--|
| Remarks: Please put Chlorides on separate report. Please show ALL results as mg/kg. Thank you. |
|--|

RESULTS AS MING. THANK YOU.
SPOKE WITH ROBERT ASHER ABOUT
SAMUE REAGST ID. COLLECTIONS

05/11/17

if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

From: Bob Asher
To: [Yu, Olivia, EMNRD](#); [Oberding, Tomas, EMNRD](#); [Griswold, Jim, EMNRD](#)
Cc: [Chase Settle](#); [Katie Parker](#)
Subject: RE: Vince BGH #1 (1RP-3449)
Date: Friday, February 3, 2017 10:57:32 AM
Attachments: [image001.png](#)
[NMOSE \(Vince BGH # 1\).pdf](#)

Ms. Yu,

The original closure report was submitted to the NMOCD District I Office on June 6, 2012, where I began correspondences with Geoffrey Leking on June 14, 2012 and then Tomas Oberding on March 2, 2015 with requesting closure where the excavation would be lined with a 20 mil liner and backfilled to prevent migration of chlorides.

Based off of information gathered from the NMOSE, depth to ground water is 114' (Section 26, 10S-R35E) , attached.

From the time of the release (4/25/2012) to samples being collected (5/10/2012), that gave accurate data of the chlorides and that was given to the NMOCD in a timely manner with the closure request, complete horizontal and vertical delineation of release area was completed then.

Liner specifications were to be a 20 mil liner that would cover the bottom and sidewalls of the excavation.

With this release occurring on fee surface, I have not copied Amber Groves/NMSLO.

Thank you.

Robert C. "Bob" Asher
Safety & Environmental Department
EOG Resources, Inc.
Artesia Division Office
EOG Safety Begins With YOUR Safety



From: Yu, Olivia, EMNRD [mailto:Olivia.Yu@state.nm.us]
Sent: Tuesday, January 31, 2017 2:35 PM
To: Bob Asher; Oberding, Tomas, EMNRD
Cc: Chase Settle; Groves, Amber
Subject: RE: Vince BGH #1 (1RP-3449)

**** External email. Use caution.****

Dear Mr. Asher:

I reviewed your closure report for 1RP-3449. Is there a reason why this was not submitted sooner? As chloride levels are above the target of 250 mg/kg and probably migrated downwards, NMOCD does not accept your closure report as written. Please provide

- additional documentation of depth to groundwater (e.g., NMOSE)
complete horizontal and vertical delineation of release area
- liner specifications

Thanks,
Olivia

From: Bob Asher [mailto:Bob_Asher@eogresources.com]
Sent: Tuesday, January 24, 2017 3:21 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Cc: Chase Settle <Chase_Settle@eogresources.com>
Subject: FW: Vince BGH #1 (1RP-3449)

Thank you.

Robert C. “Bob” Asher
Safety & Environmental Department
EOG Resources, Inc.
Artesia Division Office
EOG Safety Begins With YOUR Safety



From: Bob Asher
Sent: Wednesday, December 07, 2016 4:11 PM
To: Kristen.Lynch@state.nm.us
Cc: Amber Griffin; Chase Settle; Katie Parker
Subject: Vince BGH #1 (1RP-3449)

Kristen,

With the recent release on the Tenneco Pipe Line System (11/30/2016) and being approximately 500' southwest of the Vince BGH #1 battery, I am re-submitting the Form C-141 Initial Report and the Final Report from the 4/25/2012 release. I have enclosed supporting documentation and would like to request closure based on all released water was recovered from the tin horn where the release occurred, impacted soils were excavated and hauled to an NMOCD approved facility and a liner will be installed within the excavation/tinhorn area.

With the work to be conducted on the Tenneco Pipe Line System, this open excavation could be backfilled and the rancher concerns with his livestock could be eliminated.

Thank you.

Robert C. “Bob” Asher
Sr. Environmental Supervisor
Environmental Department

EOG Resources, Inc.

Artesia Division Office

105 S. 4th Street

Artesia, NM 88210

575-748-4217 (Office)

575-365-4021 (Cell)

EOG Safety Begins With YOUR Safety



From: Bob Asher
To: [Yu, Olivia, EMNRD](#)
Cc: [Chase Settle](#); [Katie Parker](#)
Subject: RE: Form C-141 Final Report (Vince BGH #1, 5/5/2017)
Date: Monday, June 5, 2017 4:02:56 PM
Attachments: image001.png
RE Vince BGH #1.msg

Ms. Yu,

Based on the attached email from Mr. Oberding, EOG Resources, Inc. is requesting closure of 1RP-3449 so the excavation can be backfilled and seeded. EOG has meet the conditions including Delineation to 250mg/kg of ~Cl and the consideration of a liner.

Thank you,

Robert C. "Bob" Asher

Environmental Supervisor

Safety & Environmental Department

EOG Resources, Inc.

Artesia Division

EOG Safety Begins With YOUR Safety



From: Yu, Olivia, EMNRD [mailto:Olivia.Yu@state.nm.us]
Sent: Thursday, May 18, 2017 12:35 PM
To: Bob Asher <Bob_Asher@eogresources.com>
Cc: Chase Settle <Chase_Settle@eogresources.com>
Subject: RE: Form C-141 Final Report (Vince BGH #1, 5/5/2017)

****External email. Use caution.****

Dear Mr. Asher:

Do you have the email from Tomáš, dated March 15, 2015, stipulating excavation depth and placement of the liner?

Thanks,
Olivia

From: Bob Asher [mailto:Bob_Asher@eogresources.com]
Sent: Friday, May 5, 2017 10:51 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Chase Settle <Chase_Settle@eogresources.com>
Subject: Form C-141 Final Report (Vince BGH #1, 5/5/2017)

Thank you,

Robert C. "Bob" Asher

Environmental Supervisor

Safety & Environmental Department

EOG Resources, Inc.

Artesia Division

Artesia, NM 88210

575-748-4217 (Office)

575-365-4021 (Cell)

EOG Safety Begins With YOUR Safety



From: Oberding, Tomas, EMNRD
To: [Bob Asher](#)
Subject: RE: Vince BGH #1
Date: Tuesday, December 16, 2014 10:53:09 AM

Aloha Bob,

As this is an active site, OCD conditionally approves temporary closure of this event.

Conditions include-

Delineation to 250mg/kg of ~Cl

Consideration of a liner.

Mahalo for your diligence.

-Doc

Tomáš 'Doc' Oberding, PhD
Senior Environmental Specialist
New Mexico Oil Conservation Division, District 1
Energy, Minerals and Natural Resources Department
(575) 393-6161 ext 111
E-Mail: tomas.oberding@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

From: Bob Asher [mailto:BobA@yatespetroleum.com]
Sent: Wednesday, December 10, 2014 3:53 PM
To: Oberding, Tomas, EMNRD
Subject: Vince BGH #1

Doc,

I am re-submitting the Form C-141 Initial Report (5/4/2012) and the Form C-141 Final Report and supporting documentation (6/6/2012) for the above release. Based on analytical results that then showed after impacted soils to a depth of three (3) feet, chlorides at 1900 ppm. The depth to ground water is greater than 100' (approximately 135' per the ChevronTexaco Trend Map) and Yates would like to request closure and propose backfilling the entire excavation (approximately 20' X 20') with packed caliche to serve as a clay liner. I did not find the Initial and or the Final C-141 scanned in the OCD Online system.

Call me if there are any questions.

Thank you.

Robert Asher

NM Environmental Regulatory Supervisor

Yates Petroleum Corporation

105 S. 4th Street

Artesia, NM 88210

575-748-4217 (Office)

575-365-4021 (Cell)

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Page 39 of 77
Received by OGD: 8/30/2022 11:18:31 AM
Released to Imaging: 2/27/2023 3:24:12 PM

District I
1625 N. French Dr., Hobbs, NM 88240
District II
301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | | |
|---|-------------------------------|--------------------------|
| Name of Company EOG Y Resources, Inc. (formerly YPC) | OGRID Number 25575 | Contact Robert Asher |
| Address 104 S. 4 TH Street | Telephone No. 575-748-1471 | |
| Facility Name Vince BGH #1 | API Number 30-025-37104 | Facility Type Battery |
| Surface Owner Fee | Mineral Owner State | Lease No. |


LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| Unit Letter J | Section 30 | Township 9S | Range 35E | Feet from the 1980 | North/South Line South | Feet from the 1750 | East/West Line East | County Lea |
|------------------|---------------|----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

Latitude 33.50332 Longitude 103.39680

NATURE OF RELEASE

| | | |
|---|---|--|
| Type of Release Produced Water | Volume of Release 25 B/PW | Volume Recovered 25 B/PW |
| Source of Release Pipeline polyline | Date and Hour of Occurrence 4/25/2012 - PM | Date and Hour of Discovery 4/25/2012 - PM |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? E.L. Gonzales & Geoffrey Leking/NMOCD I | |
| By Whom? Bob Asher/Yates Petroleum Corporation | Date and Hour 4/26/2012 - AM | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. N/A | |
| If a Watercourse was Impacted, Describe Fully.* N/A | | |
| Describe Cause of Problem and Remedial Action Taken.* Possible livestock in existing excavation. Possibly rubbing on 6" polyline causing release. Spill reason in assumed due to cattle tracks and fencing around excavation tore down, but undetermined at this time. Vacuum truck called. Pipeline repaired. | | |
| Describe Area Affected and Cleanup Action Taken.* An approximate area of 20' X 10'. Vacuum truck called, picked up all produced water. Impacted soils excavated and being taken to an NMOCD approved facility. Initial vertical/horizontal delineation samples within the impacted area will be analyzed for TPH/BTEX (Chlorides for reference). If initial analytical results for TPH/BTEX are under RRAL's a Final Report, C-141 will be submitted to the NMOCD requesting closure. Depth to Ground Water: >100' (approx. 137', Sec 27, T9S-R35E, NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on depth to ground water, impacted soils excavated/removed, all water recovered and enclosed (4/17/2017) delineation sample results, EOG Resources, Inc. requests closure with no further remediation actions taken. | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | |

| | | | |
|--|----------------------------------|------------------|-----------------------------------|
| Signature:  | <u>OIL CONSERVATION DIVISION</u> | | |
| Printed Name: Robert Asher | Approved by District Supervisor: | | |
| Title: Environmental Supervisor | Approval Date: | Expiration Date: | |
| E-mail Address: Robert_Asher@eogresources.com | Conditions of Approval: | | Attached <input type="checkbox"/> |
| Date: Friday, May 05, 2017 Phone: 575-748-4217 | 1RP- | | |

Attach Additional Sheets If Necessary



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Code | Sub-basin | County | Q | Q | Q | Q | Sec | Tws | Rng | X | Y | Distance | Depth | Well | Depth | Water Column |
|------------------------------|----------|-----------|--------|---|---|----|-----|-----|--------|---------|-------|-----|----------|-------|------|-------|--------------|
| L 11998 POD1 | L | LE | 3 | 3 | 2 | 07 | 09S | 35E | 648592 | 3713286 | 5041 | 200 | | | | | |
| L 12426 POD1 | L | LE | 1 | 4 | 1 | 19 | 09S | 36E | 657911 | 3710545 | 9330 | 156 | | | | | |
| L 12449 POD1 | L | LE | 3 | 4 | 3 | 26 | 10S | 35E | 654950 | 3698136 | 11804 | 140 | 114 | 26 | | | |

Average Depth to Water: 114 feet

Minimum Depth: 114 feet

Maximum Depth: 114 feet

Record Count: 3

UTM NAD83 Radius Search (in meters):

Easting (X): 648866.2078699573

Northing (Y): 3708252.6733906968

Radius: 11805

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/1/17 10:41 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



| | | | | | | | | | |
|----------------------------------|--------------------------|-------------|-------------|-------|------|-----|-----|-------|-----------|
| Analytical Report-1704919 (Hall) | Sample Area | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
| W-1' | West of Excavation Area | 4/17/2017 | Comp/Auger | 1' | | | | | ND |
| Analytical Report-1704920 (Hall) | Sample Area | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
| S-1' | South of Excavation Area | 4/17/2017 | Comp/Auger | 1' | | | | | ND |
| Analytical Report-1704922 (Hall) | Sample Area | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
| N-1' | North of Excavation Area | 4/17/2017 | Comp/Auger | 1' | | | | | ND |
| Analytical Report-1704923 (Hall) | Sample Area | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
| E-1' | East of Excavation Area | 4/17/2017 | Comp/Auger | 1' | | | | | ND |
| Analytical Report-1704924 (Hall) | Sample Area | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
| Ex-4' | Excavation | 4/17/2017 | Comp/Auger | 4' | | | | | 8.5 |
| Analytical Report-1704919 (Hall) | Sample Area | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
| Ex-5 | Excavation | 4/17/2017 | Comp/Auger | 5' | | | | | ND |

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 137', Section 27, T9S-R35E, per NMOSE).

All results are ppm. Chlorides for documentation.

Released: 25 B/PW; Recovered: 25 B/PW. Release Date: 4/25/2012



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 25, 2017

Chase Settle

EOG Resources

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Vince BGH 1

OrderNo.: 1704919

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

| | |
|-----------------------|--|
| CLIENT: EOG Resources | Client Sample ID: W-1' |
| Project: Vince BGH 1 | Collection Date: 4/17/2017 10:52:00 AM |
| Lab ID: 1704919-001 | Matrix: SOIL |
| | Received Date: 4/20/2017 9:50:00 AM |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 30 | | mg/Kg | 20 | 4/24/2017 2:11:07 PM | 31386 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|-------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704919
25-Apr-17

Client: EOG Resources
Project: Vince BGH 1

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-31386 | SampType: | mblk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330756 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-31386 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330757 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.6 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1704919

RcptNo: 1

Received By: Lindsay Mangin

4/20/2017 9:50:00 AM

Completed By: Ashley Gallegos

4/20/2017 11:35:05 AM

Reviewed By:

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☒

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ?

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☐

9. Was preservative added to bottles?

Yes ☐

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☐

No ☐

No VOA Vials ☒

11. Were any sample containers received broken?

Yes ☐

No ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.9 | Good | Yes | | | |

Chain-of-Custody Record

Client: EOG Y Resources, Inc.

Mailing Address:

105 South 4th Street Artesia, NM 88210

Phone #: 575-703-6537

email or Fax#: Chase Settle@eogresources.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other☐ EDD (Type)

Project Manager:

Chase Settle

PO # 205. 0750

Sampler:

Chase Settle

On Site: ☒ Yes ☐ No

Sample Temperature: 39

Date Time Matrix Sample Request ID

4/17/2017

10:52A

Soil

W-1'

Container Type and #

1 - 4oz.

Preservative Type

None

HEAL No.

17041919

-001

Analysis Request

BTEX + MTBE + TMBs (8021)

BTEX + MTBE + TPH (Gas only)

TPH Method 8015B (Gas/Diesel)

TPH (Method 418.1)

EDB (Method 504.1)

8310 (PNA or PAH)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Semi-VOA)

Relinquished by:

Date:

Time:

4-14-17

2:20

Relinquished by:

Date:

Time:

4-14-17

2:20

Received by:

Date

Time

04/20/17

0950

Received by:

Date

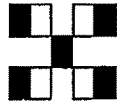
Time

04/20/17

0950

Remarks: Results needed by 4/27/2017.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 25, 2017

Chase Settle

EOG Resources

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Vince BGH 1

OrderNo.: 1704920

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report
 Lab Order 1704920
 Date Reported: 4/25/2017

Hall Environmental Analysis Laboratory, Inc.

| | |
|------------------------------|---|
| CLIENT: EOG Resources | Client Sample ID: S-1' |
| Project: Vince BGH 1 | Collection Date: 4/17/2017 10:58:00 AM |
| Lab ID: 1704920-001 | Received Date: 4/20/2017 9:50:00 AM |
| Matrix: SOIL | |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 30 | | mg/Kg | 20 | 4/24/2017 2:48:20 PM | 31386 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704920

25-Apr-17

Client: EOG Resources

Project: Vince BGH 1

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-31386 | SampType: | mbk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330756 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-31386 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330757 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.6 | 90 | 110 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

Page 2 of 2



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1704920

RcptNo: 1

Received By: Lindsay Mangin

4/20/2017 9:50:00 AM

Completed By: Ashley Gallegos

4/20/2017 11:37:11 AM

Reviewed By:

04/20/17

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☒

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of >0° C to 6.0°C

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☐

9. Was preservative added to bottles?

Yes ☐

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☐

No ☐

No VOA Vials ☒

11. Were any sample containers received broken?

Yes ☐

No ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.9 | Good | Yes | | | |

Chain-of-Custody Record

Client: EOG Y Resources, Inc.

Mailing Address:

105 South 4th Street Artesia, NM 88210

Phone #: 575-703-6537

email or Fax#: Chase Settle@eqresources.com

QA/QC Package:

- ☐ Standard
- ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

□.. EDD (Type)

| Date | Time | Matrix | Sample Request ID |
|------|------|--------|-------------------|
|------|------|--------|-------------------|

Matrix

Re

4/17/2017

58A Soil

5

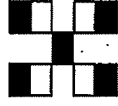
| | |
|-------|-------|
| Date: | Time: |
|-------|-------|

Relinquished by:

Date: _____

Relinquished by

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque. NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

| | |
|----------|------------------------------|
| Remarks: | Results needed by 4/27/2017. |
|----------|------------------------------|



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 25, 2017

Chase Settle

EOG Resources

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Vince BGH 1

OrderNo.: 1704922

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report
Lab Order 1704922
Date Reported: 4/25/2017

Hall Environmental Analysis Laboratory, Inc.

| | |
|-----------------------|--|
| CLIENT: EOG Resources | Client Sample ID: N-1' |
| Project: Vince BGH 1 | Collection Date: 4/17/2017 11:09:00 AM |
| Lab ID: 1704922-001 | Matrix: SOIL |
| | Received Date: 4/20/2017 9:50:00 AM |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 30 | | mg/Kg | 20 | 4/24/2017 3:00:44 PM | 31386 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|-------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704922
25-Apr-17

Client: EOG Resources
Project: Vince BGH 1

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-31386 | SampType: | mblk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330756 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-31386 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330757 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.6 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



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4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1704922

RcptNo: 1

Received By: Lindsay Mangin

4/20/2017 9:50:00 AM

Completed By: Ashley Gallegos

4/20/2017 11:49:31 AM

Reviewed By:

04/20/17

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☒

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☐

9. Was preservative added to bottles?

Yes ☐

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☐

No ☐

No VOA Vials ☒

11. Were any sample containers received broken?

Yes ☐

No ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.9 | Good | Yes | | | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 25, 2017

Chase Settle

EOG Resources

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Vince BGH 1

OrderNo.: 1704923

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

| | |
|-----------------------|--|
| CLIENT: EOG Resources | Client Sample ID: E-1' |
| Project: Vince BGH 1 | Collection Date: 4/17/2017 11:03:00 AM |
| Lab ID: 1704923-001 | Matrix: SOIL |
| | Received Date: 4/20/2017 9:50:00 AM |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 30 | | mg/Kg | 20 | 4/24/2017 3:37:57 PM | 31386 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|-------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1704923
25-Apr-17

Client: EOG Resources
Project: Vince BGH I

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-31386 | SampType: | mbk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330756 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-31386 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330757 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.6 | 90 | 110 | | | |

- Qualifiers:
- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1704923

RcptNo: 1

Received By: Lindsay Mangin

4/20/2017 9:50:00 AM

Completed By: Ashley Gallegos

4/20/2017 11:51:28 AM

Reviewed By:

04/20/17

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☒

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☐

9. Was preservative added to bottles?

Yes ☐

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☐

No ☐

No VOA Vials ☒

11. Were any sample containers received broken?

Yes ☐

No ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.9 | Good | Yes | | | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 25, 2017

Chase Settle

EOG Resources

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Vince BGH 1

OrderNo.: 1704924

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in blue ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

| | |
|-----------------------|--|
| CLIENT: EOG Resources | Client Sample ID: Ex-4' |
| Project: Vince BGH 1 | Collection Date: 4/17/2017 11:13:00 AM |
| Lab ID: 1704924-001 | Matrix: SOIL |
| | Received Date: 4/20/2017 9:50:00 AM |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 8.5 | 3.0 | | mg/Kg | 2 | 4/24/2017 3:50:22 PM | 31386 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|-------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704924

25-Apr-17

Client: EOG Resources

Project: Vince BGH I

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-31386 | SampType: | mbk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330756 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-31386 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330757 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.6 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1704924

RcptNo: 1

Received By: Lindsay Mangin

4/20/2017 9:50:00 AM

Completed By: Ashley Gallegos

4/20/2017 11:53:57 AM

Reviewed By:

04/20/17

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☒

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☐

9. Was preservative added to bottles?

Yes ☐

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☐

No ☐

No VOA Vials ☒

11. Were any sample containers received broken?

Yes ☐

No ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.9 | Good | Yes | | | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 25, 2017

Chase Settle

EOG Resources

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Vince BGH 1

OrderNo.: 1704925

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report
 Lab Order 1704925
 Date Reported: 4/25/2017

Hall Environmental Analysis Laboratory, Inc.

| | |
|------------------------------|---|
| CLIENT: EOG Resources | Client Sample ID: Ex-5' |
| Project: Vince BGH 1 | Collection Date: 4/17/2017 11:19:00 AM |
| Lab ID: 1704925-001 | Received Date: 4/20/2017 9:50:00 AM |
| Matrix: SOIL | |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 30 | | mg/Kg | 20 | 4/24/2017 4:02:46 PM | 31386 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704925
25-Apr-17

Client: EOG Resources
Project: Vince BGH 1

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-31386 | SampType: | mbk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330756 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-31386 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 31386 | RunNo: | 42317 | | | | | |
| Prep Date: | 4/24/2017 | Analysis Date: | 4/24/2017 | SeqNo: | 1330757 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.6 | 90 | 110 | | | |

- Qualifiers:
- * Value exceeds Maximum Contaminant Level.
 - D Sample Diluted Due to Matrix
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits
 - S % Recovery outside of range due to dilution or matrix
 - B Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - P Sample pH Not In Range
 - RL Reporting Detection Limit
 - W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1704925

RcptNo: 1

Received By: Lindsay Mangin

4/20/2017 9:50:00 AM

Completed By: Ashley Gallegos

4/20/2017 11:58:43 AM

Reviewed By:

04/20/17

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☒

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☐

9. Was preservative added to bottles?

Yes ☐

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☐

No ☐

No VOA Vials ☒

11. Were any sample containers received broken?

Yes ☐

No ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.9 | Good | Yes | | | |

Chain-of-Custody Record

Client: EOG Y Resources, Inc.

Mailing Address:

105 South 4th Street Artesia, NM 88210

Phone #: 575-703-6537

email or Fax#: Chase Settle@eogresources.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other☐ EDD (Type)

Date _____ Time _____

Matrix

Sample Request ID

4/17/2017

11:19A Soil

Ex-5'

Date: _____ Time: _____

Relinquished by:

4/19/17 7:30

5/11

Date: _____ Time: _____

Relinquished by:

Received by:

Time

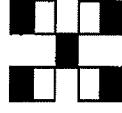
Received by:

Time

| |
|---------------------------------------|
| Remarks: Results needed by 4/27/2017. |
|---------------------------------------|

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 2/27/2023 3:24:12 PM



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Remarks: Results needed by 4/27/2017.

Vince BGH #1
Closure Report
#nTO1434537071



August 28, 2022

Appendix D

Current C-141 Closure

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|---------------|
| Incident ID | nTO1434537071 |
| District RP | 1RP-3449 |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|--|--|
| Responsible Party EOG Resources, Inc. | OGRID 7377 |
| Contact Name Chase Settle | Contact Telephone 575-748-1471 |
| Contact email Chase_Settle@eogresources.com | Incident # (assigned by OCD) nTO1434537071 |
| Contact mailing address 104 S. 4th Street, Artesia, NM 88210 | |

Location of Release Source

Latitude 33.50283 Longitude -103.39753
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|------------------------------------|-----------------------------------|
| Site Name Vince BGH #1 | Site Type Pipeline |
| Date Release Discovered 04/25/2012 | API# (if applicable) 30-025-37104 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| J | 30 | 9S | 35E | Lea |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Kinsolving Ranch)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 25 | Volume Recovered (bbls) 25 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release Please refer to the original C-141 for details of 1RP-3449.

Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | nTO1434537071 |
| District RP | 1RP-3449 |
| Facility ID | |
| Application ID | |

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? Volume released was 25 barrels. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, to E.L. Gonzales and G. Leking, by Bob Asher through email on 04/26/2012. | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

| | |
|--|---|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Chase Settle</u> | Title: <u>Rep Safety & Environmental Sr</u> |
| Signature: <u>Chase Settle</u> | Date: <u>08/28/2022</u> |
| email: <u>Chase_Settle@eogresources.com</u> | Telephone: <u>575-748-1471</u> |
| <u>OCD Only</u> Received by: _____ Date: _____ | |

| | |
|----------------|---------------|
| Incident ID | nAB1635557047 |
| District RP | 1RP-4530 |
| Facility ID | |
| Application ID | |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 08/28/2022
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: OCD Date: 8/30/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Ashley Maxwell Date: 2/27/2023
Printed Name: Ashley Maxwell Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 139407

CONDITIONS

| | |
|--|---|
| Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702 | OGRID: 7377 |
| | Action Number: 139407 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| amaxwell | None | 2/27/2023 |