

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

September 29, 2022

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

Re: Gem Dandy BCG State Com #1 30-015-32666 L-35-16S-27E Eddy County, NM Incident # nMLB0716553869

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site which currently has open incident on the NMOCD E-Permitting website. The report is being submitted in reference to the C-141 submitted on January 15, 2007, and the C-141 Final submitted July 19, 2007. EOG Resources, Inc. has included a C-141 Final with 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.

Gem Dandy BCG State Com #1 Closure Report #nMLB0716553869



Page 2 of 61

Gem Dandy BCG State Com #1

Closure Report

30-015-32666

L-35-16S-27E

Eddy County, NM

September 29, 2022

nMLB0716553869

energy opportunity growth

| Gem Dandy Closure Rep #nMLB0710 | | Septembe | r 29, 2022 |
|---------------------------------------|-------------------------|----------|------------|
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- Appendix C: Approved Remediation Plan
- Appendix D: Original C-141 Final Report
- Appendix E: NMOCD Final Report Approval Email

Appendix F: Current C-141 Closure

Gem Dandy BCG State Com #1 Closure Report #nMLB0716553869



September 29, 2022

I. Location

The site is located in Eddy County, New Mexico approximately 3.75 miles northeast of Riverside.

II. Background

On January 15, 2007, Yates Petroleum Corporation (YPC) submitted a C-141 Initial to NMOCD District II for the release of ten (10) barrels of oil with five (5) barrels being recovered (Appendix A). The release occurred due to the overflow of a production tank due to an unexpected increase in production. The area impacted by the release was approximately 20 feet by 25 feet within the berm of the tank battery. After soil sampling was conducted on the impacted soils, a Remediation Plan was submitted to NMOCD District II (Appendix C) on May 18, 2007. NMOCD responded by granting approval of the Remediation Plan on June 14, 2007. The NMOCD approval email is also included in Appendix C as well as being noted in the E-Permitting page that is included as Appendix B.

III. Scope of Work Completed

Impacted soil was excavated and hauled to a NMOCD approved disposal facility with analytical results confirming the removal of impacted soil above the NMOCD required thresholds. Soil was excavated to between four (4) feet and six (6) feet below grade surface (bgs) within the impacted area prior to the confirmation sampling being conducted on July 10, 2007. These samples were submitted to Xenco Laboratories for analysis.

On July 19, 2007, a YPC representative (Robert Asher) met with Mike Bratcher at the NMOCD District II Office in Artesia, NM. During this meeting the results of the confirmatory samples and remediation of the site was discussed, and a C-141 Final Report was submitted (Appendix D). At this time, Mike Bratcher provided verbal approval for backfill activities to commence, granting closure of the remediation project. This was followed by a confirmation email (Appendix E) of the approved closure.

IV. Closure Request

The release received closure from NMOCD on July 19, 2007, when verbal and email confirmation of the approved closure was provided by Mike Bratcher. However, during a review of the open incidents on the NMOCD E-Permitting website for during the well divestiture process, it was discovered that the incident remained open and that the C-141 Final Report had not been uploaded to the NMOCD Imaging website after the in-person submission.

Based on the completion of the approved Remediation Plan and verbal/email closure approval by NMOCD in July 2007, EOG is submitting the current C-141 Closure Form as Appendix F to officially close Incident #nMLB0716553869.

Gem Dandy BCG State Com #1 Closure Report #nMLB0716553869



September 29, 2022

Appendix A C-141 Initial

energy opportunity growth

| Page 6 of 6 | JAN-1 | 15-2007 | MON 09:32 | 2 am ya | TES ENGINEE | RING | | Fax | NO. 1 | 505748 | 4585 | P, 02 |
|----------------|--|--|--|--------------|---|-----------|--|---------------|-------------------|----------|-------------------|--|
| | District 1 State of 1625 N. French Dr., Hobbs, NM 88240 Energy Minerals District II District II 1301 W. Grand Avenue, Artesia, NM 88210 Oil Conse District III Oil Conse 1000 Rio Brazos Roud, Aztec, NM 87410 1220 Sour 1220 S. St. Francis Dr., Sunta Fe, NM 87505 Santa I | | | | | | | l Resouvision | urces | | | Form C-14 Revised October 10, 20 Submit 2 Copies to appropria District Office in accordan with Rule 116 on ba side of for |
| F | 30-05-32666 Release Notification and Corrective Action | | | | | | | | | | | |
| n | MLBOT | | 3869 | | | | TOR | ······ | | | Initial | Report Final Repo |
| | Name of Co Yates Petro | | oration | | OGRID Nun 25575 | nber | Contact Robert Ash | ər | | | | |
| Ī | Address | | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | Telephone 1 | No. ; | | | | |
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| | was mineon | aic 1401100 1 | | Yes [| No 🖾 Not Re | equired | | • ••••••••• | 1 | | | |
| ſ | By Whom? N/A | | | | | | Date and F N/A | lour | | | | |
| ł | Was a Water | course Rea | | | | | IF YES, Vo | olume In | pacting | the Wate | rcourse. | |
| \mathbf{F} | If a Watercon | irse was Im | pacted, Descr | Yes 🛛 | | · | N/A | | | | | |
| ╞ | N/A | | em and Reme | | | | | ······ | | | | |
| | | | | | shut down, close | d all flo | ow line valves | going to | tank. | | | |
| | Describe Area Affected and Cleanup Action Taken. ⁴ An approximate area of 20' X 25', inside the tank battery. Vacuum truck called to pick up standing fluids, contaminated soils excavated and taken to an OCD approved land disposal facility. Area to be evaluated and a work plan submitted. Depth to Ground Water: < 50', Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 20. | | | | | | | | | | | |
| \$ 10:43:16 AM | 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. | | | | | | | | | | | |
| 9/30/202 | Signature: | Scal | ACI |) . | | | | : | | TIM G | UM AB | <u>DIVISION</u> |
| .n: | Printed Name | : Robert A | sher | | | | Approved by | ···· | | | Signed By | Mily Bannun |
| by 00 | <u> Fitle: Enviror</u> | nmental Re | gulatory Agen | <u>t</u> | | | Approval Da | In UL | 142 | 2007 E | Expiration | Date; |
| erved | I-mail Addre | ss; boba@) | ypcnm.com | | | | Approval Da Conditions of URY & plan | Approv | al: | K4/07 | per | Attached |
| Rec | late: Monda | y, January | 15, 2007 | | Phone: 505-748-1 | 471 | | | - 7 | 1-1 | | |

Gem Dandy BCG State Com #1 Closure Report #nMLB0716553869



September 29, 2022

Appendix B NMOCD E-Permitting Page

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SIGN-IN HELP

Searches Operator Data

Hearing Fee Application

OCD Permitting

Home Searches Incidents Incident Details

NMLB0716553869 2006 MINOR A OS @ 30-015-32666

| General Incident Ir | nformation | | Quick Links |
|---|---|---|---|
| | | | General Incident Information |
| Site Name: | | | <u>Materials</u> |
| Well: | [<u>30-015-32666]</u> GEM DANDY BCG STATE #001 | | <u>Events</u> |
| Facility: | | | Orders |
| Operator: Status: Type: | [<u>330506]</u> MR NM Operating LLC Closure Not Approved Oil Release | Severity: Minor Surface Owner: Private | Associated Images Incident Files (0) |
| District: | Artesia | County: Eddy (15) | • <u>Well Files (21)</u> |
| Incident Location: Lat/Long: Directions: | L-35-16S-27E 1980 FSL 660 FWL 32.8770294,-104.2544174 NAD83 | County. Eddy (15) | New Searches New Facility Search % New Incident Search % New Operator Search % New Pit Search % New Spill Search % |
| Notes | | | ● <u>New Tank Search</u> Š |
| Source of Referral: | Industry Rep | Action / Escalation: Referred to Environmental Inspector | ● <u>New Well Search</u> ∜ |
| Resulted In Fire: Endangered Public H Fresh Water Contami | | Will or Has Reached Watercourse: Property Or Environmental Damage: | |
| Contact Details Contact Name: Event Dates | | Contact Title: | |
| Date of Discovery: | 12/31/2006 | OCD Notified of Release: | |

Released to Imaging: 2/6/2023 12:34:02 PM

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

| Incidents Materials | | | | | | | |
|----------------------------|-----------------|-----------|------|----------|-----------|------|-------|
| | | | | | | | |
| | | | | Vol | lume | | |
| Cause | Source | Material | | | | | Units |
| | | | Unk. | Released | Recovered | Lost | |
| Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | | 10 | 5 | 5 | BBL |
| | | | | | | | |

| Incident Events | | | | | | | |
|-----------------|--|--|--|--|--|--|--|
| | | | | | | | |
| | | | | | | | |
| Date | Detail | | | | | | |
| | | | | | | | |
| 06/14/2007 | C-141 rec'd 1/15/07. Cause of release listed as "Well kicked causing tank to overflow". Remediation work plan proposal rec'd 5/18/07. Approved | | | | | | |
| | 6/13/07 | | | | | | |
| | | | | | | | |

No Orders Found

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220





Appendix C Approved Remediation Plan

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Sent: Thursday, June 14, 2007 11:17 AM

To: Bob Asher

Cc: Jerry Fanning

Subject: RE: Work Plan

Bob,

The remediation proposal presented for clean up of a release of produced fluids that occurred at the referenced well site on 12/31/06 is approved. Please notify the OCD District 2 office 24 hours prior to obtaining confirmation samples. Submit a closure report and C-141 Final Report upon satisfactory completion of project. Project is to be completed and closure documentation filed no later than August 14, 2007.

This approval does not relieve Yates Petroleum Corporation (Yates) of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, approval does not relieve Yates for compliance with any other federal, state, local laws and/or regulations.

Sincerely,

Mike Bratcher NMOCD District 2 1301 W. Grand Ave. Artesia, NM 8810 505-748-1283 Ext. 108 505-626-0857 mke.bratcher@state.nm.us

From: Bob Asher [mailto:boba@YPCNM.COM] Sent: Wednesday, June 13, 2007 3:57 PM To: Bratcher, Mike, EMNRD Cc: Jerry Fanning Subject: Work Plan

Mike,

Per our telephone conversation this afternoon, Yates requests verbal approval of the May 18, 2007 work plan for the following location.

Gem Dandy BCG State Com. #1 30-015-32666 Section 35, T16S-R27E Eddy County, New Mexico

Thank you.

Robert Asher Yates Petroleum Corporation 505-748-4217 (Office)

Received by OCD: 9/30/2022 10:43:16 AM

Yates Petroleum Corporation 505-748-4217 (Office) 505-748-4662 (Fax) 505-365-4021 (Cell)

This inbound email has been scanned by the MessageLabs Email Security System.

MARTIN YATES, III

FRANK W. YATES



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (505) 748-1471 S.P. YATES

JOHN A. YATES

PEYTON YATES PRESIDENT

FRANK YATES, JR. EXECUTIVE VICE PRESIDENT

JOHN A. YATES, JR. BENIOR VICE PREBIDENT

May 18, 2007

Month - Year IAY 1 8 2007 OCD - ARTESIA, NA

Mr. Mike Bratcher NMOCD District II 1301 West Grand Artesia, NM 88210

Re: Gem Dandy BCG State Com. #1 30-015-32666 Section 35, T16S-R27E Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corporation would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 dated January 12, 2007. Scope of work described in the plan will be conducted as soon as the work plan is approved.

If you have any questions call me at (505) 748-4217.

Thank you.

XATES PETROLEUM CORPROATION

Robert Asher Environmental Regulatory Agent

Enclosure(s)

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Yates Petroleum Corporation

Gem Dandy BCG State Com. #1 Work Plan

Section 35, T16S-R27E

Eddy County, New Mexico

May 18, 2007

Page 14 of 61

I. Location

Page 15 of 61

- The state

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Received by OCD: 9/30/2022 10:43:16 AM

The well is located approximately 9 miles east-northeast of Artesia, NM north of U.S. Highway 82, as represented by the attached Artesia NE, NM, USGS Quadrangle Map.

II. Background

On January 15, 2007, Yates Petroleum Corporation submitted a C-141 for a release of 10 barrels of crude oil; the well kicked and caused the production tank to overflow. The affected area is approximately 20 feet by 25 feet, all contained within the bermed area of the battery. A vacuum truck was called and 5 barrels of fluid recovered.

III. Surface and Ground Water

Area surface geology is Paleozoic. The nearest groundwater of record is listed on the Eddy County Depth to Ground Water Map shows depth to groundwater approximately 35 feet (Section 35, T16S-R27E) making the site ranking for this site a twenty (20). Watercourses in the area are dry except for infrequent flows in response to major precipitation events; approximately 1,200' to the north of the location is an intermittent perennial arroyo.

The ranking for this site is twenty (20) based on the as following:

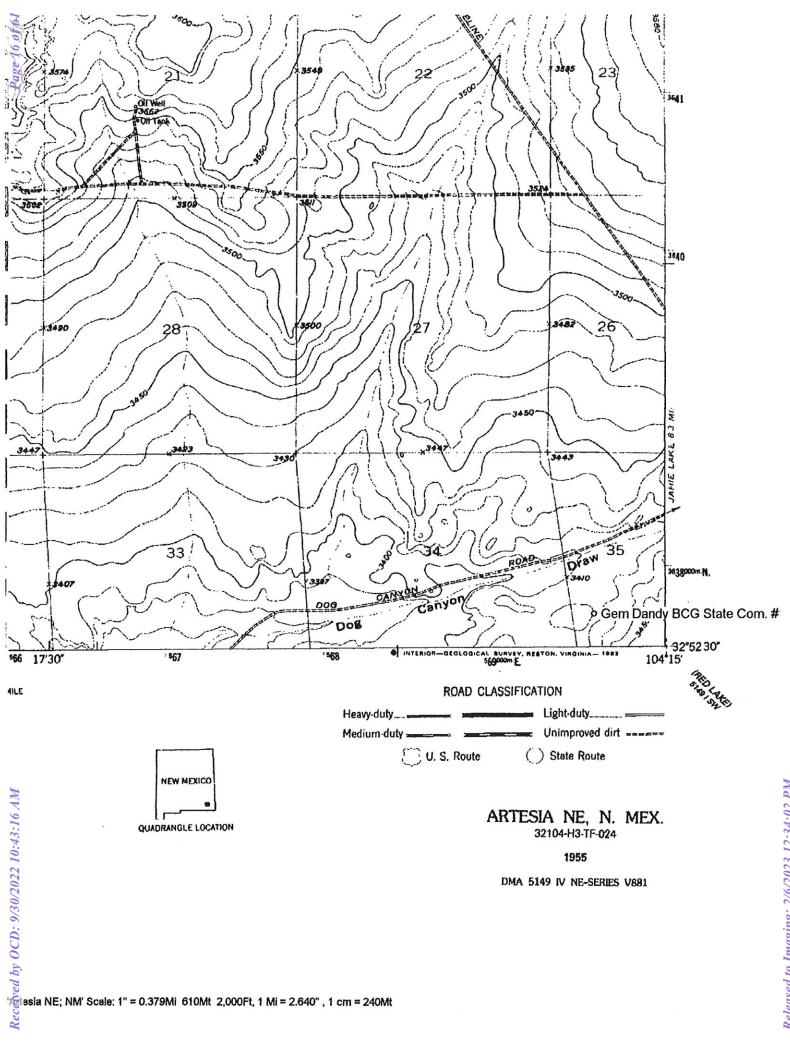
Depth to ground water< 50'</th>Wellhead Protection Area> 1000'Distance to surface water body> 1000'

IV. Soils

The area consists of soils that are sand/caliche and interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Yates Petroleum Corporation has excavated contaminated soils contacted by release. Contaminated material has been removed and taken to an OCD approved land facility. Yates will take soil samples within the effected area to determine vertical and horizontal delineation. These samples will be analyzed for BTEX and TPH. Based on the Total Ranking Score of twenty (20), RRAL's for BTEX is 50 ppm and TPH is 100 ppm. If results are above OCD guidelines, then further remediation (excavation work) will be implemented to attain the acceptable limits. If lab analysis reflects closure levels then Yates will contact the Oil Conservation Division to give opportunity to witness a final sampling event. A final C-141 and attached analytical results will be brought in to replace excavated soils.







Appendix D Original C-141 Final Report

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MARTIN YATES, III 1912-1985

FRANK W. YATES



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (505) 748-1471 S.P. YATES

JOHN A. YATES CHAIRMAN OF THE BOARD

PEYTON YATES

FRANK YATES, JR.

JOHN A. YATES, JR. SENIOR VICE PRESIDENT

July 19, 2007

.IIII 19 2007 OCD-ARTESIA

Mr. Mike Bratcher NMOCD District II 1301 W. Grand Ave. Artesia, NM 88210

RE: Gem Dandy BCG State Com. #1 30-015-32666 Section 35, T16S-R27E Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on December 31, 2006 (10 B/O with 5 B/O recovered), inside the bermed battery. A vacuum truck picked up oil released and contaminated soils were excavated and taken to an OCD approved land facility. Site ranking is twenty (20), with the depth to ground water < 50' (approximately 35'). Samples were taken on April 17, 2007 and July 10, 2007 (enclosed results and sample diagram). Based on the remedial and cleanup actions taken (oil recovered, soils excavated), analytical reports and that any remaining contaminants will not pose a threat to fresh water, public health and the environment in the release area, Yates Petroleum Corporation requests no further remediation and site closure.

Thank you.

YATES PETROLEUM CORPORATION

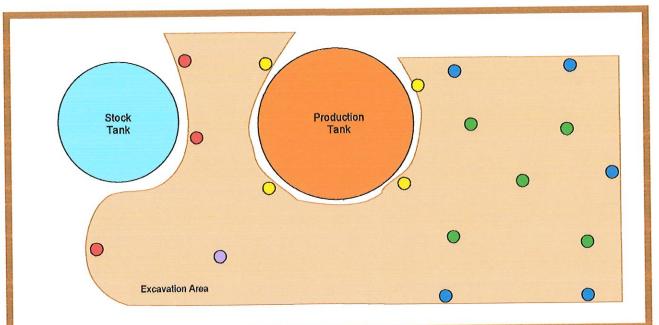
Robert Asher Environmental Regulatory Agent

| Encl | osure | (s) |
|------|-------|-----|
| /rca | | . , |

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Berm



| Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TPH TOTAL |
|-------------|--|---|---|---|---|---|
| 7/10/2007 | Grab/Auger | 4' | 0.0744 | 14.3 | 50.9 | 64.2 |
| 7/10/2007 | Grab/Auger | 4' | ND | ND | 17.0 | 17.0 |
| 7/10/2007 | Grab/Auger | 4' | ND | ND | 34.2 | 34.2 |
| 7/10/2007 | Grab/Auger | 6' | ND | ND | ND | ND |
| 4/17/2007 | Grab/Auger | 7' | ND | ND | 50.1 | 50.1 |
| 4/17/2007 | Grab/Auger | 8' | ND | ND | ND | ND |
| 4/17/2007 | Grab/Auger | 9' | ND | ND | ND | ND |
| | 7/10/2007 7/10/2007 7/10/2007 7/10/2007 4/17/2007 4/17/2007 | 7/10/2007 Grab/Auger 7/10/2007 Grab/Auger 7/10/2007 Grab/Auger 7/10/2007 Grab/Auger 7/10/2007 Grab/Auger 4/17/2007 Grab/Auger 4/17/2007 Grab/Auger 4/17/2007 Grab/Auger | 7/10/2007 Grab/Auger 4' 7/10/2007 Grab/Auger 6' 4/17/2007 Grab/Auger 6' 4/17/2007 Grab/Auger 8' | 7/10/2007 Grab/Auger 4' 0.0744 7/10/2007 Grab/Auger 4' ND 7/10/2007 Grab/Auger 4' ND 7/10/2007 Grab/Auger 4' ND 7/10/2007 Grab/Auger 4' ND 7/10/2007 Grab/Auger 6' ND 4/17/2007 Grab/Auger 7' ND 4/17/2007 Grab/Auger 8' ND | 7/10/2007 Grab/Auger 4' 0.0744 14.3 7/10/2007 Grab/Auger 4' ND ND 7/10/2007 Grab/Auger 6' ND ND 7/10/2007 Grab/Auger 6' ND ND 4/17/2007 Grab/Auger 7' ND ND 4/17/2007 Grab/Auger 8' ND ND | The second sec |

Site Ranking is Twenty (20). Depth to Ground Water < 50' (approx. 35') All results are ppm.



Gem Dandy BCG State Com. #1

Section 35, T16S-R27E

Eddy County, NM

EXHIBIT Sample Diagram (Not to Scale)

Prepared by Robert Asher Environmental Agent July 18, 2007

| District I | | | | \bigcirc | | | . (| | | | |
|--|-----------------------|-----------------|--------------|--------------------|-----------|--|--|------------|--|----------------|--|
| District II | Dr., Hobbs, N | M 88240 | | 1 | | f New Mex s and Natura | ico Il Resources | | Form C-141 Revised October 10, 2002 | | |
| 301 W. Grand Avenue, Artesia, NM 88210 District III Oil Cons | | | | | | ervation Div | | | | | · · · · · · · · · · · · · · · · · · · |
| District IV | | | | | | th St. Franc | | | | District | Copies to appropriate Office in accordance with Rule 116 on back |
| 1220 S. St. Fran | icis Dr., Santa | Fe, NM 87505 | i | Sa | anta F | Fe, NM 875 | 505 | | | | side of form |
| | | | Rele | | | | orrective A | ction | | | |
| Name of C | | | | | | ATOR | | |] Initia | l Report | Final Report |
| Name of Co Yates Petro | ompany oleum Corpo | oration | | OGRID Nun 25575 | nber | Contact Robert Ash | er | | | | |
| Address | | | | | | Telephone 1 | | | | | |
| 104 S. 4 TH | | | | API Number | s | 505-748-14 Facility Typ | | | | | |
| | y BCG State | com. #1 | | 30-015-3266 | | Battery | | | | | |
| Surface Ow | /ner | | | Mineral C | Owner | | | | Lease N | No. | |
| Fee | | | | State | | | | | VA-17: | 50 | |
| | | | | | - | N OF RE | | | | | |
| Unit Letter L | Section 35 | Township 16S | Range 27E | Feet from the 1980 | Nort | h/South Line South | Feet from the 660 | | /est Line /est | County Eddy | |
| | | | | Latitude 32.8 | 37691 | Longitude | e_104.25475_ | 1 | | | |
| T CD L | | | | NAT | URF | E OF REL | | | | | |
| Type of Rele Crude Oil | ase | | | | | Volume of 10 B/O | Release | | Volume Recovered 5 B/O | | |
| Source of Re Production T | | | | | | | Hour of Occurrenc | Hour of Di | scovery | | |
| | ate Notice Gi | iven? | | | | 12/31/2006 PM 12/31/2006 AM If YES, To Whom? 12/31/2006 AM | | | | | |
| | | | Yes |] No 🛛 Not R | equired | | - | | | | |
| By Whom? N/A | | | | | | Date and H N/A | lour | | | | |
| Was a Water | course Reach | ned? | Yes 🗵 | 1 No | | If YES, Vo N/A | olume Impacting t | he Water | rcourse. | | |
| If a Watercon | urse was Imp | | | | | IN/A | | | | | |
| N/A Describe Cau | use of Proble | m and Reme | dial Actio | n Taken.* | | | | | | | |
| The well kicl | ked causing t | ank to overfl | ow. Well | shut down, close | d all flo | ow line valves | going to tank. | | | | |
| Describe Are An approxim | | | | | m truc | k called to picl | k up standing fluic | ds, conta | minated so | oils excavat | ed and taken to an |
| OCD approv | ed land dispo | sal facility. | Area to be | e evaluated and a | work p | lan submitted. | Depth to Groun | d Water | : < 50', W | ellhead P | rotection Area: No, requesting closure. |
| I hereby cert | ify that the in | formation gi | ven above | e is true and comp | lete to | the best of my | knowledge and u | inderstan | d that purs | suant to NN | AOCD rules and |
| | | | | | | | nd perform correc arked as "Final R | | | | |
| should their | operations ha | ve failed to a | adequately | investigate and r | emedia | ate contaminati | | eat to gro | ound wate | r, surface w | vater, human health |
| | , or local law | | | | report | | | | | • | |
| 64 | $\sum_{n=1}^{\infty}$ | () | | | | | OIL CON | SERV | ATION | DIVISI | ON |
| Signature: | Sar | i Cr | • | | | | | | | | |
| Printed Nam | e: Robert Asl | ner | | | | Approved by | District Supervise | or: | | | |
| Title: Enviro | onmental Regi | ulatory Agen | it | | | Approval Da | te: | E | Expiration | Date: | |
| E-mail Addr | ess: boba@yr | ocnm.com | | <u>.</u> | | Conditions o | f Approval: | | | Attache | d 🗌 |
| | lay, July 19, 2 | | | none: 505-748-147 | 71 | | | | | | |
| Attach Addi | tional Sheet | ts If Necess | ary | | | | | | | | |
| ved | | | | | | | | | | | |
| Received by | | | | | | | | | | | |
| Y | | | | | | | | | | | |

Released to Imaging: 2/6/2023 12:34:02 PM

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Analytical Report 285837

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Gem Dandy BCG State Com. # 1 30-015-32666

18-JUL-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

NELAC certification numbers: Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



18-JUL-07

aboratoria

Project Manager: Robert Asher Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 285837 Gem Dandy BCG State Com. #1 Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 285837. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 285837 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Received by OCD: 9/30/2022 10:43:16 AM

Brent Barron Odessa Laboratory Director

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Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



Project Id: 30-015-32666 Contact: Robert Asher

Certificate of Analysis Summary 285837 Yates Petroleum Corporation, Artesia, NM Project Name: Gem Dandy BCG State Com. #1



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Date Received in Lab: Thu Jul-12-07 12:00 pm Report Date: 18-JUL-07

Brent Barron, II mg/kg RL ND 0.0023 11.7 Project Manager: ND 0.0047 R RL 11.7 ND 0.0023 ND 0.0023 ND 0.0023 Jul-14-07 08:15 Jul-10-07 14:42 Jul-13-07 14:56 Jul-12-07 17:50 Jul-13-07 11:18 Jul-12-07 12:24 GS/Comp-004 285837-004 MB/kg 6-6 Ĥ SOIL R R R 14.5 % mg/kg RL ND 0.0022 11.1 ND 0.0022 ND 0.0044 RL ND 0.0022 R, 11.1 ND 0.0023 Jul-10-07 14:23 Jul-12-07 17:45 Jul-13-07 14:56 Jul-14-07 07:55 Jul-13-07 10:51 Jul-12-07 12:24 GS/Comp-003 285837-003 4-4 ft SOIL R R 9.82 R 34.2 mg/kg % mg/kg RL ND 0.0290 ND 0.0290 ND 0.0581 ND 0.0290 ND 11.6 RL RL RL 11.6 ND 0.0290 Jul-13-07 14:56 Jul-14-07 07:34 Jul-12-07 17:40 Jul-13-07 01:21 Jul-10-07 14:08 Jul-12-07 12:24 GS/Comp-002 285837-002 ng/kg UN 17.0 4-4 ft SOIL Ð 13.9 % RI, mg/kg RL ND 0.0274 ND 0.0274 0.0744 0.0547 ND 0.0274 ND 0.0274 RL 10.9 RI, 10.9 Jul-13-07 14:56 Jul-14-07 07:13 Jul-12-07 17:35 Jul-13-07 00:53 Jul-12-07 12:24 Jul-10-07 13:53 GS/Comp-001 285837-001 4-4 ft SOIL 0.0744 mg/kg 14.3 0.0744 8.63 50.9 % Field Id: Depth: Lab Id: Matrix: Sampled: Extracted: Analyzed: Analyzed: Extracted: Analyzed: Units/RL: Extracted: Units/RL: Units/RL: BTEX by EPA 8021B TPH by SW 8015B **Percent Moisture** C6-C10 Gasoline Range Hydrocarbons Analysis Requested C10-C28 Diesel Range Hydrocarbons Project Location: Eddy County Percent Moisture otal Xylenes Ethylbenzene m,p-Xylene **Fotal BTEX** o-Xvlene Benzene Colucne

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations are used servoused transport this manifytical report trajenests the base judgment of ZENCO Laboratories. The interpretations are used as expressed fravoughout this manifytical report trajenest the base judgment of ZENCO Laboratories. Confliction of the anomenon exponsibility and makes no warmaty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless obbravits agreed to in writing.

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Odessa Laboratory Director Brent Barron

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- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.

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| ¢ | Laboratories |

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I m 2 - Surrogate Recoveries



Project Name: Gem Dandy BCG State Com. #1

| Work Order #: 285837 | | | Project II | 30-015-32 | 666 | | | | |
|-------------------------------------|-------------------------------|--------------------------|----------------------------|-----------------------|-------------------------|-------|--|--|--|
| Lab Batch #: 700420 | Sample: 285837-001 / SMI | MP Batch: 1 Matrix: Soil | | | | | | | |
| Units: mg/kg | Γ | SURROGATE RECOVERY STUDY | | | | | | | |
| BTEX by El | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | |
| 4-Bromofluorobenzene | | 0.0472 | 0.0500 | 94 | 75-125 | | | | |
| Lab Batch #: 700420 Units: mg/kg | Sample: 285837-002 / SMI Г | | tch: 1 Matri RROGATE RI | x: Soil | STUDV | | | | |
| BTEX by El | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | |
| 4-Bromofluorobenzene | | 0.0554 | 0.0500 | 111 | 75-125 | | | | |
| Lab Batch #: 700420 | Sample: 285837-003 / SMI |) Bat | tch: 1 Matri | x: Soil | | | | | |
| Units: mg/kg | [| SURROGATE RECOVERY STUDY | | | | | | | |
| BTEX by El Analy | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | |
| 4-Bromofluorobenzene | | 0.0419 | 0.0500 | 84 | 75-125 | | | | |
| Lab Batch #: 700420 | Sample: 285837-004 / SMI |) Bat | tch: 1 Matri | x: Soil | | | | | |
| Units: mg/kg | Γ | SURROGATE RECOVERY STUDY | | | | | | | |
| BTEX by El | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | |
| 4-Bromofluorobenzene | | 0.0383 | 0.0500 | 77 | 75-125 | | | | |
| Lab Batch #: 700420 | Sample: 285839-001 S / M | S Bat | tch: 1 Matri | x: Soil | | | | | |
| Units: mg/kg | | SU | RROGATE RE | COVERY | STUDY | | | | |
| BTEX by El | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flugs | | | |
| 4-Bromofluorobenzene | | 0.0286 | 0.0500 | 57 | 75-125 | * | | | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.

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rm 2 - Surrogate Recoveries I



Project Name: Gem Dandy BCG State Com. #1

| Work Order #: 285837 | | Project II | D: 30-015-32 | 666 | | | | | | |
|----------------------------------|------------------------|--------------------------|-----------------------|-------------------------|-------|--|--|--|--|--|
| Lab Batch #: 700420 Sample: 2858 | | | ix: Soil | | | | | | | |
| Units: mg/kg | SU | SURROGATE RECOVERY STUDY | | | | | | | | |
| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | | | |
| 4-Bromofluorobenzene | 0.0256 | 0.0500 | 51 | 75-125 | \$ | | | | | |
| Lab Batch #: 700420 Sample: 4971 | 92-1-BKS / BKS Bat | tch: 1 Matri | ix: Solid | | | | | | | |
| Units: mg/kg | SU | RROGATE RE | COVERY S | STUDY | | | | | | |
| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | | | |
| 4-Bromofluorobenzene | 0.0753 | 0.1000 | 75 | 80-120 | | | | | | |
| Lab Batch #: 700420 Sample: 4971 | 92-1-BLK / BLK Bat | tch: 1 Matri | ix: Solid | · | | | | | | |
| Units: mg/kg | SU | SURROGATE RECOVERY STUDY | | | | | | | | |
| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | | | |
| 4-Bromofluorobenzene | 0.0415 | 0.0500 | 83 | 80-120 | | | | | | |
| Lab Batch #: 700263 Sample: 2858 | | | x: Soil | | | | | | | |
| Units: mg/kg | | SURROGATE RECOVERY STUDY | | | | | | | | |
| TPH by SW 8015B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | | | |
| 1-Chlorooctadecane | 42.4 | 50.0 | 85 | 70-135 | | | | | | |
| 1-Chlorooctane | 70.0 | 50.0 | 140 | 70-135 | * | | | | | |
| Lab Batch #: 700263 Sample: 2858 | 03-001 SD / MSD Bat | tch: ¹ Matri | x: Soil | | | | | | | |
| Units: mg/kg | SU | RROGATE RE | COVERY S | STUDY | | | | | | |
| TPH by SW 8015B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags | | | | | |
| 1-Chlorooctadecane | 48.0 | 50.0 | 96 | 70-135 | | | | | | |
| 1-Chlorooctane | 76.5 | 50.0 | 153 | 70-135 | \$ | | | | | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis *** Poor recoveries due to dilution

Surrogate Recovery [D] - 100 * A / B All results are based on MDL and validated for QC purposes.



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m 2 - Surrogate Recoveries I



Project Name: Gem Dandy BCG State Com. # 1

| ork Order #: 285837 Lab Batch #: 700263 Sampl Units: mg/kg | e: 285837-001 / SMP | | 0 | D: 30-015-32 ix: Soil ECOVERY 5 | | |
|--|----------------------|------------------------|-----------------------|---------------------------------------|-------------------------|-------|
| TPH by SW 8015B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| 1-Chlorooctadecane | | 39.7 | 50.0 | 79 | 70-135 | |
| 1-Chlorooctane | | 37.0 | 50.0 | 74 | 70-135 | |
| Lab Batch #: 700263 Sampl | e: 285837-002 / SMP | Bat | tch: 1 Matri | ix: Soil | | |
| Units: mg/kg | Г | SU | RROGATE RI | ECOVERY S | STUDY | |
| TPH by SW 8015B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| 1-Chlorooctadecane | | 43.1 | 50.0 | 86 | 70-135 | |
| 1-Chlorooctane | | 39.6 | 50.0 | 79 | 70-135 | |
| Lab Batch #: 700263 Sampl | e: 285837-003 / SMP | Bat | tch: 1 Matri | x: Soil | | |
| Units: mg/kg | Γ | SU | RROGATE RI | ECOVERY S | STUDY | |
| TPH by SW 8015B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| 1-Chlorooctadecane | | 34.0 | 50.0 | 68 | 70-135 | ** |
| 1-Chlorooctane | | 31.7 | 50.0 | 63 | 70-135 | \$\$ |
| Lab Batch #: 700263 Sampl | e: 285837-004 / SMP | Bat | ch: 1 Matri | ix: Soil | | |
| Units: mg/kg | Г | SU | RROGATE RI | ECOVERYS | STUDY | |
| TPH by SW 8015B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| 1-Chlorooctadecane | | 38.6 | 50.0 | 77 | 70-135 | |
| 1-Chlorooctane | | 35.9 | 50.0 | 72 | 70-135 | |
| Lab Batch #: 700263 Sampl | e: 497005-1-BKS / BK | KS Bat | ch: 1 Matri | x: Solid | | |
| Units: mg/kg | Г | | RROGATE RI | ECOVERY S | STUDY | |
| TPH by SW 8015B Analytes | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| 1-Chlorooctadecane | | 34.0 | 50.0 | 68 | 70-135 | \$ |
| 1-Chlorooctane | | 37.4 | 50.0 | 75 | 70-135 | |

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** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] – 100 * A / B All results are based on MDL and validated for QC purposes.



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I rm 2 - Surrogate Recoveries



Project Name: Gem Dandy BCG State Com. #1

Work Order #: 285837

Project ID: 30-015-32666

| Lab Batch #: 700263 Sample: 497005-1-BLK | BLK Ba | tch: 1 Matri | ix: Solid | | |
|--|------------------------|-----------------------|-----------------------|-------------------------|-------|
| Units: mg/kg | SU | RROGATE RI | ECOVERY | STUDY | |
| TPH by SW 8015B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| 1-Chlorooctadecane | 39.9 | 50.0 | 80 | 70-135 | |
| 1-Chlorooctane | 36.6 | 50.0 | 73 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] - 100 * A / B
All results are based on MDL and validated for QC purposes.

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Project Name: Gem Dandy BCG State Com. #1

| Work Order #: 285837 | | | Pro | oject ID: | | 30-01 | 5-32666 | | |
|------------------------------------|----------|------------------------|-----------------------|--------------------------|----------------------|-------------------------|---------|--|--|
| Lab Batch #: 700420 | S | ample: 497192- | 1-BKS | Matri | x: Solid | | | | |
| Date Analyzed: 07/14/2007 | Date Pre | pared: 07/13/20 | 007 | Analys | st: CELKI | EE | | | |
| Reporting Units: mg/kg | B | atch #: 1 | BLANK /E | BLANK SPI | KE REC | OVERY S | STUDY | | |
| BTEX by EPA 8021B | | Blank Result | Spike Added | Blank Spike | Blank Spike | Control Limits | Flags | | |
| Analytes | | [A] | [B] | Result [C] | %R [D] | %R | | | |
| Benzene | | ND | 0.1000 | 0.0846 | 85 | 70-130 | | | |
| Toluene | | ND | 0.1000 | 0.0853 | 85 | 70-130 | | | |
| Ethylbenzene | | ND | 0.1000 | 0.0893 | 89 | 71-129 | | | |
| m,p-Xylene | | ND | 0.2000 | 0.1580 | 79 | 70-135 | | | |
| o-Xylene | | ND | 0.1000 | 0.0864 | 86 | 71-133 | | | |
| Lab Batch #: 700263 | S | ample: 497005- | 1-BKS | Matrix: Solid | | | | | |
| Date Analyzed: 07/12/2007 | Date Pre | pared: 07/12/20 | 007 | Analyst: SHE | | | | | |
| Reporting Units: mg/kg | Ba | atch #: 1 | BLANK /E | BLANK SPI | KE REC | OVERY S | STUDY | | |
| TPH by SW 8015B | | Blank Result [A] | Spike Added [B] | Blank Spike Result | Blank Spike %R | Control Limits %R | Flags | | |
| Analytes | | | | [C] | [D] | | | | |
| C6-C10 Gasoline Range Hydrocarbons | | ND | 500 | 481 | 96 | 70-135 | | | |
| C10-C28 Diesel Range Hydrocarbons | | ND | 500 | 387 | 77 | 70-135 | | | |

Blank Spike Recovery [D] – 100*[C]/[B] All results are based on MDL and validated for QC purposes.

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Form 3 - MS / MSD Recoveries



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Project Name: Gem Dandy BCG State Com. #1

Work Order #: 285837

Date Analyzed: 07/16/2007 Lab Batch ID: 700420 Renorting Units: ma/kg

ľ Analyst: Batch #: QC- Sample ID: 285839-001 S

Date Prepared: 07/13/2007

Matrix: Soil CELKEE

Project ID: 30-015-32666

| Keporting Units: mg/kg | | M | ATRIX SPIKI | E / MAT | RIX SPIF | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | TE RECO | OVERY S | TUDY | | |
|---|--|---------------------|---------------------------------------|-----------|------------------------|--|------------|---------|-------------------|-------------------|------|
| BTEX by EPA 8021B | Parent Sample | | Spiked Sample Spiked Result Sample | | Spike | Duplicate Spiked Sample | v 2 | RPD | Control Limits | Control Limits | Flag |
| Analytes | Result [A] | Added [B] | [c] | | Added [E] | Added Result [F] [E] | %R [G] | 0% | %R | %RPD | |
| Benzene | Ð | 0.1120 | 0.0896 | 80 | 0.1120 | 0.0860 | 77 | 4 | 70-130 | 35 | |
| Toluene | QN | 0.1120 | 0.0792 | 71 | 0.1120 | 0.0755 | 67 | 6 | 70-130 | 35 | X |
| Ethylbenzene | Q | 0.1120 | 0.0734 | 66 | 0.1120 | 0.0683 | 61 | 8 | 71-129 | 35 | Х |
| m,p-Xylene | QN | 0.2241 | 0.1265 | 56 | 0.2241 | 0.1179 | 53 | 6 | 70-135 | 35 | Х |
| o-Xylene | QN | 0.1120 | 0.0678 | 61 | 0.1120 | 0.0624 | 56 | 6 | 71-133 | 35 | х |
| Lab Batch ID: 700263 Date Analyzed: 07/13/2007 | QC- Sample ID: 285803-001 S Date Prepared: 07/12/2007 | 285803- 07/12/20 | 001 S 007 | Ba An: | Batch #: Analyst: S | 1 Matrix: Soil SHE | c: Soil | | | | |

| Reporting Units: mg/kg | | M | ATRIX SPIKI | E / MATI | RIX SPII | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | FE RECO | VERY S | YUDY | | |
|------------------------------------|-----------------------------------|-----------------------|---|-------------------------------|-----------------------|--|-----------------------------|----------|-------------------------|---------------------------|------|
| TPH by SW 8015B Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Spiked Result Sample [C] %R | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| C6-C10 Gasoline Range Hydrocarbons | 776 | 552 | 1450 | 122 | 552 | 1470 | 126 | ю | 70-135 | 35 | |
| C10-C28 Dicsel Range Hydrocarbons | 766 | 552 | 1350 | 106 | 552 | 1470 | 128 | 19 | 70-135 | 35 | |

Matrix Spike Percent Recovery [D] = 100*(C-A)B Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = $100*(F-A_i)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Elank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantization Limit



Sample Duplicate Recovery



Project Name: Gem Dandy BCG State Com. #1

Work Order #: 285837

| Lab Batch #: 700244 Date Analyzed: 07/12/2007 | Date Pre | pared: 07/ | 12/2007 | | D: 30-015-3 st: JLG | 2666 |
|--|----------|--------------------------------|---------------------------------|--------|---------------------------|-------|
| QC- Sample ID: 285822-010 D | В | atch #: | 1 | Matr | ix: Soil | |
| Reporting Units: % | | SAMPLE | / SAMPLE | DUPLIC | ATE REC | OVERY |
| Percent Moisture | | Parent Sample Result [A] | e Sample Duplicate Result | RPD | Control Limits %RPD | Flag |
| Analyte | | | [B] | | | |
| Percent Moisture | | 9.91 | 10.2 | 3 | 20 | |

Spike Relative Difference RPD 200 * | (B-A)/(B+A) | All Results are based on MDL and validated for QC purposes.

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| Lab |
| Environmental |

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|----------------------|---------------------|
| Odessa, Texas 79765 | Fax: 432-563-1713 |

| Complary Name Vates Potoleum Corporation | tion | | | | | | | | | | | | | Proje | Project #: 30-015-32566 | 30-0 | 15-3 | 9966 | | | | | |
|--|-------------------------------|-----------------|-----------------|-----------------------------|--------------------------------|----------------|--------------|--------|-------|-------------------------------|-----------------|-----------------------|----------------------|---------------------------|-------------------------|--|------------------------------|---|---|----------------|-----------|--------|------------------|
| Company Address: 105 South 4th Street | | | | | | | | | | | | | 9 | Project Loc: Eticy County | ö | Eddy | Count | | | | | | |
| City/State/Zip: Arresie, NM 28210 | 1 | | | | | | 1 | 1 | | | | | | ۵ | PO #: 105632 | 10563 | | | | | | 1 | 6 |
| Telephone No: 502-748-4217 | | | | Fax No: | 8 | 505-748-4662 | 4662 | | | | 1 | He | Log | Report Format: | | × Standard | andan | 13 | \Box | TRRP | | - | 1 |
| Sampler Signature: | | | | e-mail; | ام | boba@ypcnm.com | d C | cum | 100.1 | E | | | | | | | | | | 1 | | | |
| | | | | | I | | | | | | | | | | | | Ł | Analyzo Far | Far: | | | | h |
| 100 | | | | | | | | | | | | | | | | TOTAL | | H | T | - | | | 5.42 |
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| GS/Comp-001 | 4 | 4 | 7/10/2007 | 1:53 P.M | - | × | | | | | | S | | × | | - | | | × | | | | |
| GS/Comp-002 | 4 | 4 | 71" 0/2007 | 2:03 P.M | - | × | - | | | | | S | | × | | | | | × | | | | - |
| GS/Comp-003 | .4 | .4 | 71-012007 | 2:23 PM | - | × | - | | | - | | S | | × | | | | | × | | | | |
| GS/Comp-004 | ь | ю | 71-0/2007 | 2:42 PM | - | × | \mathbb{H} | | | \square | | G | | × | | | | \vdash | × | \square | | | |
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| | _ | | | _ | _ | | - | _ | - | _ | | | | _ | | _ | | - | - | - | | - | |
| TPH: 5015B | BTEX: 8021B. | 80211 | | show BTEX results in mg/kg. | BYKG. | Ę | Thank you | 'n. | | | | | | | Sam of Dov | Laboratory Comments: Sample Containers Intac?? VCCs Free of Handstere? | of He | in an | | | | 1 (2)0 | : z |
| 11,PC | L | Time 1:25 FM | Racewad by: | | | | | | | \vdash | Date | | - | ami | and a | Labels on container(s) Custody seats on contains Custody seats on cooleria | interination and a number | (s) of the second | Labels on container(s) Custody setts on container(s) Custody setts on cooler(s) | ~ | | ece | 222 |
| 7 ale Date | - | lime | Received by: | | | | | | | <u> </u> | Date | 6 | F | ine | Sam | Sample Hand Delivered by Sumpler/Client Rep | nd De | lient | | | - (| | zz |
| Contracted by Date | | lma | Rounned by ELOT | O Li | | | | | | + | Oale | | F | Time | d Amet | A 0 2 7 Loss | | 5 | | Ч. | | | Lone Sla |

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| Page 33 of 61 | Relinquished by: | Relinquished by: | Relinquished by: Robert Asher | Special Ir | | | | | | nu | 60 | 20 | 10 | LAB # (lab use only) | ORDER #: | (lab use only) | - | | | - | - | - | _ | | Env |
| | 198716789029 7. | , | Ralife. | Special Instructions: TPH: 8015B | | | | | | GS/Comp-004 | GS/Comp-003 | GS/Comp-002 | GS/Comp-001 | FIELD CODE | # 28080 - | > | | Sampler Signature: | Telephone No: 505-746-4217 | City/State/Zip: Artesia, NM 88210 | Company Address: 105 South 4th Street | Company Name Yates Petroleum Corporation | Project Manager: Robert Asher | | Environmental Lab of Texas |
| - | Date | Date | Date 07/11/07 | 5B BTEX: 8021B. | | | _ | | | ٥ <u></u> | 4' | 4 | 4 | Beginning Depth | | | - | λ . | | | | rporation | | | Tex |
| | Time | Time | Time 1:26 PM | : 802 | | | - | + | | | | - | - | Ending Depth | 1 | | | | | | | | | | as |
| | | | | 21B. | | | _ | | | ര് | 4 | 4 | 4 | | - | | | | | | | | | | |
| | Received by ELOT | Received by: | Received by: | Show BTI | | | | | | 7/10/2007 | 7/10/2007 | 7/10/2007 | 7/10/2007 | Date Sampled | | | | | | | | | | | |
| | stua t | 8 | | Show BTEX results in mg/kg. | | | | | | 2:42 PM | 2:23 PM | 2:08 PM | 1:53 PM | Time Sampled | | | | e-mail: | Fax No: | | | | | | |
| | 80 | | | /gm | | | | | | | | | | Field Filtered | 1 | | | | | | | | | | |
| | 2 | | | k k | | | | | | - | - | | - | Total #. of Containers | | | | boba@ypcnm.com | 505-748-4662 | | | | | 0 | |
| | 5 | | | The The | | | _ | | | × | × | × | × | Ice | | | | palo | 748- | | | | | 1260 Ddes | |
| | 1 | | | Thank you. | | ++ | _ | _ | <u> </u> | | _ | - | | HNO ₃ HCI | Preserva | | | DVD | 4662 | | | | | 12600 West I-20 East Odessa, Texas 79765 | |
| | | | | you. | \vdash | + | + | _ | | | - | - | | H ₂ SO ₄ | tion | | | cnr | | | | | | est Texa | Ω |
| | | | | | \vdash | + | + | + | | | - | - | - | NaOH | & # of | | | n.co | | | | | | -20 E 15 79 | HAI |
| | | | | | \vdash | ++ | - | - | | | | \vdash | \vdash | Na ₂ S ₂ O ₃ | - 8 | | | m | | | | | | East 9765 | NO |
| | 4 | | | 1 | | | | | | | | | | None | ntainers | | | | | | | | | | л О |
| | Date 7-12-07 | Date | Date | | | | | | | | | | | Other (Specify) | Ľ | | | | | 1 | | 1 | | | rsn |
| | _ | | | | | | | | | S | S | S | S | DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Polable Specify Other | Matrix | | _ | | Report Format: | | Pr | | Proj | | WI 20:75:15:202 MA CORD AND ANALYSIS REQUEST |
| | Time 2.00 | Time | Ime | ! | | + | - | | | × | × | × | × | and the second s | 015B | $\left \right $ | | 1 | orm | _ | Project Loc: | Project #: | Project Name: Gem Dandy BCG State Com. #1 | | CO |
| - | | | | < 0 F | - | ++ | + | | \vdash | \vdash | \vdash | \vdash | + | TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) | | $\left \right $ | | | at: | PO #: 105632 | Loc | oct # | ame | | 20 🕺 |
| AN | emp | by | usto | amp | | + | + | + | + | ┢ | \vdash | + | + | Anions (CI, SO4, Alkalinity) | | | | | × | 5 | | 3 | <u>م</u> | | ANE A |
| :16 | eratu | San Cou | dy se | le Co Free | F | + | - | - | | | 1 | + | + | SAR / ESP / CEC | | TOTAL: | С Р Р | |] Sta | 5632 | dy C | 5 | m | _ | 14 C |
|):43 | | Sample Hand Delivered by Sampler/Client Re by Courier? | eals o | ontair of F | | | | | | | | | | Metals: As Ag Ba Cd Cr Pb Hg | g Se | | | P | X Standard | | Eddy County | 30-015-32666 | Dan | Phone Fax: | VAL |
| 2 10 | pon F | Clier | on co | ners lead | | | | | | | | | | Volatiles | | | | | а. | | < | 2000 | dy E | | ISA 23 |
| 202. | Temperature Upon Receipt: | hple Hand Delivered by Sampler/Client Rep. ? by Courier? UPS | Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) | Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? | L | | | | | | | | | Semivolatiles | | \square | | Analyze For: | | | | 0 | õ | Phone: 432-563-1800 Fax: 432-563-1713 | S R |
| 30/ | pt | | ıer(s) s) | \$ 5 | L | + | _ | _ | - | × | × | × | × | BTEX 8021B/5030 or BTEX 8 | 260 | | 4 | 1 | Ц | | | | Sta | 563- 563- | EQ. |
| 6: | | DHL | | | \vdash | + | -+ | | \vdash | ┝ | ┢ | + | + | RCI N.O.R.M. | | | - | | TRRP | | | | te C | 1800 | JES. |
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| ceiv | റ് | N Lone Star | zzz | zzz | Γ | | | | | | | | T | RUSH TAT (Pre-Schedule) 24 | 4, 48, | 72 hr | s | | DES | | | | | | eas |
| Rei | | * | | | | | | | | × | × | × | × | Standard TAT | | | | | | | | 1 | | | Rei |

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Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

| Client: | Yates | |
|-------------|---------------|--|
| Date/ Time: | 7.12.07 12:00 | |
| Lab ID # : | 285837 | |
| Initials: | al | |

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Sample Receipt Checklist

| | · · · · | | | Client Initials |
|-----|--|-----|----|--------------------------|
| #1 | Temperature of container/ cooler? | Yes | No | 0.0 °C |
| #2 | Shipping container in good condition? | Yes | No | |
| #3 | Custody Seals intact on shipping container/ cooler? | Yes | No | Not Present |
| #4 | Custody Seals intact on sample bottles/ container? | Yes | No | Not Present |
| #5 | Chain of Custody present? | Yes | No | - |
| #6 | Sample instructions complete of Chain of Custody? | Yes | No | |
| #7 | Chain of Custody signed when relinquished/ received? | Yes | No | |
| #8 | Chain of Custody agrees with sample label(s)? | Yes | No | ID written on Cont./ Lid |
| #9 | Container label(s) legible and intact? | Yes | No | Not Applicable |
| #10 | Sample matrix/ properties agree with Chain of Custody? | Yes | No | |
| #11 | Containers supplied by ELOT? | Yes | No | |
| #12 | Samples in proper container/ bottle? | Yes | No | See Below |
| #13 | Samples properly preserved? | Yes | No | See Below |
| #14 | Sample bottles intact? | Yes | No | |
| #15 | Preservations documented on Chain of Custody? | Yes | No | |
| #16 | Containers documented on Chain of Custody? | Yes | No | |
| #17 | Sufficient sample amount for indicated test(s)? | Yes | No | See Below |
| #18 | All samples received within sufficient hold time? | Yes | No | See Below |
| #19 | Subcontract of sample(s)? | Yes | No | Not Applicable |
| #20 | VOC samples have zero headspace? | Yes | No | Not Applicable |

Variance Documentation

| Contact: | Contacted by: | Date/ Time: | |
|--|--|-------------|--|
| Regarding: | | | |
| WP 9 2007 200 200 | | | |
| 2022 | | | |
| 9/30/21 | | | |
| Theck all that Apply: | See attached e-mail/ fax Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event | | |
| Received | | \ominus | |



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Analytical Report

Prepared for:

Robert Asher Yates Petroleum Corp. 105 S. Fourth St. Artesia, NM 88210

Project: Gem Dandy BCG State Com. #1 Project Number: 30-015-32666 Location: Eddy County

Lab Order Number: 7D19005

Report Date: 04/25/07

Project: Gem Dandy BCG State Com. #1 Project Number: 30-015-32666 Project Manager: Robert Asher

Fax: (505) 748-4662

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|----------------|------------------|
| GS/6.0-001 | 7D19005-01 | Soil | 04/17/07 14:02 | 04-19-2007 10:10 |
| GS/7.0-002 | 7D19005-02 | Soil | 04/17/07 14:15 | 04-19-2007 10:10 |
| GS/8.0-003 | 7D19005-03 | Soil | 04/17/07 14:23 | 04-19-2007 10:10 |
| GS/9.0-004 | 7D19005-04 | Soil | 04/17/07 14:30 | 04-19-2007 10:10 |
| GS/1.0-005 | 7D19005-05 | Soil | 04/17/07 15:00 | 04-19-2007 10:10 |
| GS/2.0-006 | 7D19005-06 | Soil | 04/17/07 15:05 | 04-19-2007 10:10 |
| GS/3.0-007 | 7D19005-07 | Soil | 04/17/07 15:28 | 04-19-2007 10:10 |

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Organics by GC

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| | | | | | | | | and the second se | |
|-----------------------------------|---------|--------------------|-----------|----------|---------|----------|--------------|---|-----|
| Analytc | Rcsult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Not |
| GS/6.0-001 (7D19005-01) Soil | | | | Dilution | Daten | Ittpatta | 1 1101 / 200 | | |
| | ND | 0.00200 | mg/kg dry | 2 | ED71905 | 04/19/07 | 04/19/07 | EPA 8021B | |
| Benzene | ND | | " | | 11905 | 04/15/07 | " | " | |
| Foluene | 0.00291 | 0.00200 | | | | | | " | |
| Ethylbenzene | 0.0102 | 0.00200 | | | | | | E. | |
| Kylene (p/m) | 0.0182 | 0.00200 | и | | | | | | |
| Kylene (o) | 0.0269 | 0.00200 | 75-1. | | | | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 95.2 % | | | ,, | | " | | |
| Surrogate: 4-Bromofluorohenzene | | 96.4 % | 75-1. | | | | | EPA 8015B | |
| Carbon Ranges C6-C10 | 24.5 | 10.0 | mg/kg dry | 1 | ED71914 | 04/19/07 | 04/24/07 | EFROUDD | |
| Carbon Ranges >C10-C28 | 238 | 10.0 | | | | | | 22 | |
| Total Carbon Range C6-C28 | 262 | 10.0 | | | | " | | " | |
| Surrogate: 1-Chlorooctane | | 88.0 % | 70-1 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 93.6% | 70-1 | 30 | " | " | " | " | |
| GS/7.0-002 (7D19005-02) Soil | | | | | | | | | |
| Benzene | ND | 0.00200 | mg/kg dry | 2 | ED71905 | 04/19/07 | 04/20/07 | EPA 8021B | |
| l'olucne | ND | 0.00200 | | ** | п | | | | |
| Sthylbenzene | ND | 0.00200 | n | * | r | " | | | |
| Xylene (p/m) | ND | 0.00200 | н | | н | н | | | |
| Xylene (o) | ND | 0.00200 | " | " | н | | | a | |
| Surrogate: a,a,a-Trifluorotoluene | | 88.4 % | 75-1 | 25 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 90.4 % | 75-1 | 25 | " | " | " | " | |
| Carbon Ranges C6-C10 | ND | 10.0 | mg/kg dry | 1 | ED71914 | 04/19/07 | 04/24/07 | EPA 8015B | |
| Carbon Ranges >C10-C28 | 50.1 | 10.0 | u | | п | н | | e | |
| Total Carbon Range C6-C28 | 50.1 | 10.0 | | | " | | | | |
| Surrogate: 1-Chlorooctane | | 94.6 % | 70-1 | 30 | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 93.4 % | 70-1 | 30 | " | " | " | u | |
| GS/8.0-003 (7D19005-03) Soil | | | | | | | | | |
| Benzene | ND | 0.00200 | mg/kg dry | 2 | ED71905 | 04/19/07 | 04/20/07 | EPA 8021B | |
| Toluene | ND | 0.00200 | п | | " | n | | | |
| Ethylbenzene | ND | 0.00200 | я | 7 | | | | = | |
| Xylene (p/m) | ND | 0.00200 | | | в | и | | | |
| Xylene (o) | ND | 0.00200 | | π | | = | = | | |
| Surrogate: a,a,a-Trifluorotoluene | ······ | 82.4 % | 75-1 | 25 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 81.8% | | | " | " | " | " | |
| Carbon Ranges C6-C10 | ND | 10.0 | | 1 | ED71914 | 04/19/07 | 04/24/07 | EPA 8015B | |
| Carbon Ranges >C10-C28 | ND | 10.0 | | 4 | | | | - | |
| | 112 | | | | | | | | |

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Organics by GC

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| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|--------------------|-------------|----------|---------|----------|----------|-----------|--------|
| | Result | | Cinto | Difutoir | Daten | riepared | Analyzeu | Withind | 110105 |
| GS/8.0-003 (7D19005-03) Soil | | | 1 | | | | • | | |
| Surrogate: 1-Chlorooctane | | 94.2 % | 70-1 | | ED71914 | 04/19/07 | 04/24/07 | EPA 8015B | |
| Surrogate: 1-Chlorooctadecane | | 89.0 % | 70-1 | 30 | " | " | " | " | |
| GS/9.0-004 (7D19005-04) Soil | • | | | | | | | | |
| Benzene | ND | 0.00200 | mg/kg dry | 2 | ED71905 | 04/19/07 | 04/20/07 | EPA 8021B | |
| Toluene | ND | 0.00200 | a | a | | n | | = | |
| Ethylbenzene | ND | 0.00200 | " | * | 10 | 11 | п | | |
| Xylene (p/m) | ND | 0.00200 | " | | н | | | | |
| Xylene (o) | ND | 0.00200 | Π | " | a | " | " | | |
| Surrogate: a,a,a-Trifluorotoluene | | 80.6 % | 75-1 | 25 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 80.2 % | 75-1 | 25 | " | " | " | " | |
| Carbon Ranges C6-C10 | ND | 10.0 | mg/kg dry | 1 | ED71914 | 04/19/07 | 04/24/07 | EPA 8015B | |
| Carbon Ranges >C10-C28 | ND | 10.0 | | | | | e | a | |
| Total Carbon Range C6-C28 | ND | 10.0 | u | | n | " | " | 0 | |
| Surrogate: 1-Chlorooctane | | 87.8 % | 70-1 | 30 | " | " | 11 | " | |
| Surrogate: 1-Chlorooctadecane | | 86.6 % | 70-1 | 130 | " | " | " | " | |
| GS/1.0-005 (7D19005-05) Soil | | | 2 | | | | | | |
| Benzene | 3.42 | 0.0500 | mg/kg dry | 50 | ED72008 | 04/20/07 | 04/24/07 | EPA 8021B | |
| Toluene | 31.6 | 0.0500 | n 33 | " | n | " | " | | |
| Ethylbenzene | 29.0 | 0.0500 | | | n | n | | , | |
| Xylene (p/m) | 47.4 | 0.0500 | " | | " | • | , | | |
| Xylene (0) | 20.1 | 0.0500 | " | 8 | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | | 274 % | 75- | 125 | " | " | n | " | S-0 |
| Surrogate: 4-Bromofluorobenzene | | 183 % | 75 | 125 | " | " | п | " | S-0 |
| Carbon Ranges C6-C10 | 2580 | 50.0 | mg/kg dry | 5 | ED71914 | 04/19/07 | 04/24/07 | EPA 8015B | |
| Carbon Ranges >C10-C28 | 5030 | 50.0 | " | | " | " | | | |
| Total Carbon Range C6-C28 | 7610 | 50.0 | | | u | | , | | |
| Surrogate: 1-Chlorooctane | 2 | 40.2 % | 70- | 130 | " | " | " | " | S-0 |
| Surrogate: 1-Chlorooctadecane | | 30.8 % | 70- | 130 | " | " | " | " | S-0 |

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Organics by GC

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| | | Reporting | | | | | | | |
|-----------------------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| GS/2.0-006 (7D19005-06) Soil | | | | | | | | | |
| Benzene | 3.59 | 0.100 | mg/kg dry | 100 | ED72008 | 04/20/07 | 04/24/07 | EPA 8021B | |
| Toluene | 30.6 | 0,100 | | " | п | " | | " | |
| Ethylbenzene | 27.7 | 0.100 | п | | н | 11 | π | 2 | |
| Xylene (p/m) | 47.7 | 0.100 | n | " | " | " | п | , | |
| Xylene (0) | 20.3 | 0.100 | " | п | " | " | n | | |
| Surrogate: a,a,a-Trifluorotoluene | | 214 % | 75-1 | 25 | " | " | " | " | 5-04 |
| Surrogate: 4-Bromofluorobenzene | | 148 % | 75-1 | 25 | | " | " | " | S-04 |
| Carbon Ranges C6-C10 | 2920 | 50.0 | mg/kg dry | 5 | ED71914 | 04/19/07 | 04/24/07 | EPA 8015B | |
| Carbon Ranges >C10-C28 | 5180 | 50.0 | n | п | н | | | • | |
| Total Carbon Range C6-C28 | 8100 | 50.0 | | | | a | = | | |
| Surrogate: 1-Chlorooctane | | 47.0 % | 70-1 | 30 | " | " | " | " | S-00 |
| Surrogate: 1-Chlorooctadecane | | 20.0 % | 70-1 | 30 | " | " | " | " | S-00 |
| GS/3.0-007 (7D19005-07) Soil | | | | | | | | | |
| Benzene | 1.87 | 0.100 | mg/kg dry | 100 | ED72008 | 04/20/07 | 04/24/07 | EPA 8021B | |
| Toluene | 25.8 | 0.100 | 11 | " | | | | ρ | |
| Ethylbenzene | 33.1 | 0.100 | | " | | " | | a | |
| Xylene (p/m) | 59.1 | 0.100 | " | | п | | | | |
| Xylene (o) | 25.9 | 0.100 | u | | | | - | | |
| Surrogate: a,a,a-Trifluorotoluene | | 189 % | 75-1 | 25 | " | " | " | " | S-04 |
| Surrogate: 4-Bromofluorobenzene | | 159 % | 75-1 | 25 | " | " | " | " | S-04 |
| Carbon Ranges C6-C10 | 3860 | 100 | mg/kg dry | 10 | ED71914 | 04/19/07 | 04/24/07 | EPA 8015B | |
| Carbon Ranges >C10-C28 | 7550 | 100 | | н | | | | μ | |
| Total Carbon Range C6-C28 | 11400 | 100 | × | | | n | | = | |
| Surrogate: 1-Chlorooctane | | 33.0 % | 70-1 | 30 | " | " | " | " | S-00 |
| Surrogate: 1-Chlorooctadecane | | 9.38 % | 70-1 | 30 | " | " | " | | 5-0 |

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General Chemistry Parameters by EPA / Standard Methods

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| | | | | | | | | and the second | |
|------------------------------|--------|--------------------|-------|----------|---------|----------|----------|--|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| GS/6.0-001 (7D19005-01) Soil | | | | | | | | | |
| % Moisture | 8.7 | 0.1 | % | 1 | ED72005 | 04/19/07 | 04/19/07 | % calculation | |
| GS/7.0-002 (7D19005-02) Soil | | | | | | | | | |
| % Moisture | 7.2 | 0.1 | % | 1 | ED72005 | 04/19/07 | 04/19/07 | % calculation | |
| GS/8.0-003 (7D19005-03) Soil | | | | | | | | | |
| % Moisture | 15.6 | 0.1 | % | 1 | ED72005 | 04/19/07 | 04/19/07 | % calculation | |
| GS/9.0-004 (7D19005-04) Soil | | | | | | | | | |
| % Moisture | 15.3 | 0.1 | % | 1 | ED72005 | 04/19/07 | 04/19/07 | % calculation | |
| GS/1.0-005 (7D19005-05) Soil | | | | | | | | | |
| % Moisture | 10.8 | 0.1 | % | 1 | ED72005 | 04/19/07 | 04/19/07 | % calculation | |
| GS/2.0-006 (7D19005-06) Soil | | | | | | | | | |
| % Moisture | 6.2 | 0.1 | % | 1 | ED72005 | 04/19/07 | 04/19/07 | % calculation | |
| GS/3.0-007 (7D19005-07) Soil | | | | | | | | | |
| % Moisturc | 8.1 | 0.1 | % | 1 | ED72005 | 04/19/07 | 04/19/07 | % calculation | |

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Organics by GC - Quality Control

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| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-----------------------------------|--------|---------------------------------------|-----------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch ED71905 - EPA 5030C (GC) | | | | | | | | | | |
| Blank (ED71905-BLK1) | | | | Prepared & | Analyzed: | 04/19/07 | | | | |
| Benzene | ND | 0.00100 | mg/kg wet | | | | | | | |
| Toluene | ND | 0.00100 | 11 | | | | | | | |
| Ethylbenzene | ND | 0.00100 | | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 53.3 | | ug/kg | 50.0 | | 107 | 75-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 47.5 | | " | 50.0 | | 95.0 | 75-125 | | | |
| LCS (ED71905-BS1) | | | | Prepared & | Analyzed: | 04/19/07 | | | | |
| Benzene | 0.0507 | 0.00100 | mg/kg wet | 0.0500 | | 101 | 80-120 | | | |
| Toluene | 0.0512 | 0.00100 | | 0.0500 | | 102 | 80-120 | | | |
| Ethylbenzene | 0.0547 | 0.00100 | | 0.0500 | | 109 | 80-120 | | | |
| Xylene (p/m) | 0.101 | 0.00100 | | 0.100 | | 101 | 80-120 | | | |
| Xylene (o) | 0.0558 | 0.00100 | " | 0.0500 | | 112 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 52.6 | | ug/kg | 50.0 | | 105 | 75-125 | , | | |
| Surrogate: 4-Bromofluorobenzene | 50.4 | | " | 50.0 | | 101 | 75-125 | | | |
| LCS Dup (ED71905-BSD1) | | | | Prepared: (| 04/19/07 A | nalyzed: 04 | /20/07 | | | |
| Benzene | 0.0535 | 0.00100 | mg/kg wet | 0.0500 | | 107 | 80-120 | 5.77 | 20 | · · · |
| Toluene | 0.0536 | 0.00100 | | 0.0500 | | 107 | 80-120 | 4.78 | 20 | |
| Ethylbenzene | 0.0564 | 0.00100 | п | 0.0500 | | 113 | 80-120 | 3.60 | 20 | |
| Xylene (p/m) | 0.104 | 0.00100 | | 0.100 | | 104 | 80-120 | 2.93 | 20 | |
| Xylene (o) | 0.0575 | 0.00100 | | 0.0500 | | 115 | 80-120 | 2.64 | 20 | |
| Surrogate: a,a,a-Trifluorotoluene | 55.0 | | ug/kg | 50.0 | | 110 | 75-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 52.2 | | " | 50.0 | | 104 | 75-125 | | | |
| Calibration Check (ED71905-CCV1) | | | | Prepared: (|)4/19/07 A | nalyzed: 04 | 1/20/07 | | | |
| Benzene | 55.0 | | ug/kg | 50.0 | | 110 | 80-120 | | | |
| Toluene | 53.3 | | | 50.0 | | 107 | 80-120 | | | |
| Ethylbenzene | 55.0 | | " | 50.0 | | 110 | 80-120 | | | |
| Xylene (p/m) | 99.8 | | | 100 | | 99.8 | 80-120 | | | |
| Xylene (o) | 55.8 | | " | 50.0 | | 112 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 53.1 | · · · · · · · · · · · · · · · · · · · | " | 50.0 | | 106 | 75-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 48.3 | | 11 | 50.0 | | 96.6 | 75-125 | | | |

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Organics by GC - Quality Control

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

Batch ED71905 - EPA 5030C (GC)

| Matrix Spike (ED71905-MS1) | Sour | ce: 7D13016 | -09 | Prepared: 0 | 4/19/07 | Analyzcd: 04 | 4/20/07 |
|-----------------------------------|-------|-------------|-----------|-------------|---------|--------------|---------|
| Benzene | 0.129 | 0.00200 | mg/kg dry | 0.130 | ND | 99.2 | 80-120 |
| Toluene | 0.126 | 0.00200 | | 0.130 | ND | 96.9 | 80-120 |
| Ethylbenzene | 0.133 | 0.00200 | 11 | 0.130 | ND | 102 | 80-120 |
| Xylene (p/m) | 0.229 | 0.00200 | " | 0.260 | ND | 88.1 | 80-120 |
| Xylene (o) | 0.126 | 0.00200 | | 0.130 | ND | 96.9 | 80-120 |
| Surrogate: a,a,a-Trifluorotoluene | 47.2 | | ug/kg | 50.0 | | 94.4 | 75-125 |
| Surrogate: 4-Bromofluorobenzene | 44.9 | | " | 50.0 | | 89.8 | 75-125 |

Batch ED71914 - Solvent Extraction (GC)

| Blank (ED71914-BLK1) | | | | Prenared: 04/19 | /07 Analyzed: 04 | /24/07 | |
|----------------------------------|------|------|-----------|-----------------|------------------|--------|------|
| Carbon Ranges C6-C10 | ND | 10.0 | mg/kg wet | | | | |
| | ND | 10.0 | " | | | | |
| Carbon Ranges >C10-C28 | | | | | | | |
| Total Carbon Range C6-C28 | ND | 10.0 | | | | | |
| Surrogate: 1-Chlorooctane | 39.5 | | mg/kg | 50,0 | 79.0 | 70-130 | |
| Surrogate: 1-Chlorooctadecane | 43.6 | | " | 50.0 | 87.2 | 70-130 | |
| LCS (ED71914-BS1) | | | | Prepared: 04/19 | /07 Analyzed: 04 | /24/07 | |
| Carbon Ranges C6-C10 | 601 | 10.0 | mg/kg wet | 500 | 120 | 75-125 | |
| Carbon Ranges >C10-C28 | 464 | 10.0 | = | 500 | 92.8 | 75-125 | |
| Total Carbon Range C6-C28 | 1060 | 10.0 | | 1000 | 106 | 75-125 | |
| Surrogate: 1-Chlorooctane | 51.2 | | mg/kg | 50.0 | 102 | 70-130 | |
| Surrogate: 1-Chlorooctadecane | 43.8 | | " | 50.0 | 87.6 | 70-130 | |
| Calibration Check (ED71914-CCV1) | | | | Prepared: 04/19 | 07 Analyzed: 04 | /25/07 | |
| Carbon Ranges C6-C10 | 232 | | mg/kg | 250 | 92.8 | 80-120 | |
| Carbon Ranges >C10-C28 | 238 | | " | 250 | 95.2 | 80-120 | |
| Total Carbon Range C6-C28 | 470 | | н | 500 | 94.0 | 80-120 | |
| Surrogate: 1-Chlorooctane | 57.6 | | " | 50.0 | 115 | 70-130 | |

50.0

58.6

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Surrogate: 1-Chlorooctadecane

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Organics by GC - Quality Control

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| the second state of the se | | | | | | | | | | |
|--|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| | | Reporting | | Spike | Source | | %REC | | RPD | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch ED71914 - Solvent Extraction (GC)

| Matrix Spike (ED71914-MS1) | Sourc | e: 7D19005- | 04 | Prepared: 0 | 4/19/07 A | nalyzed: 04 | 1/24/07 | | | |
|---------------------------------|-------|-------------|-----------|-------------|-----------|-------------|---------|-------|----|--|
| Carbon Ranges C6-C10 | 624 | 10.0 | mg/kg dry | 590 | ND | 106 | 75-125 | | | |
| Carbon Ranges >C10-C28 | 617 | 10.0 | | 590 | ND | 105 | 75-125 | | | |
| Total Carbon Range C6-C28 | 1240 | 10.0 | T | 1180 | ND | 105 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 59.7 | | mg/kg | 50.0 | | 119 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 56.9 | | " | 50.0 | | 114 | 70-130 | | | |
| Matrix Spike Dup (ED71914-MSD1) | Sourc | e: 7D19005- | -04 | Prepared: 0 | 4/19/07 A | nalyzed: 04 | 4/25/07 | | | |
| Carbon Ranges C6-C10 | 622 | 10.0 | mg/kg dry | 590 | ND | 105 | 75-125 | 0.321 | 20 | |
| Carbon Ranges >C10-C28 | 604 | 10.0 | P | 590 | ND | 102 | 75-125 | 2.13 | 20 | |
| Total Carbon Range C6-C28 | 1230 | 10.0 | n | 1180 | ND | 104 | 75-125 | 0.810 | 20 | |
| Surrogate: 1-Chlorooctane | 59.5 | | mg/kg | 50.0 | k | 119 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 55.4 | | " | 50.0 | | 111 | 70-130 | | | |

Batch ED72008 - EPA 5030C (GC)

| Blank (ED72008-BLK1) | | | | Prepared: 04/ | 20/07 | Analyzed: 04 | /23/07 | |
|-----------------------------------|--------|---------|-----------|---------------|--------|--------------|--------|---|
| Benzene | ND | 0.00100 | mg/kg wet | | | | | |
| Toluene | ND | 0.00100 | | | | | | |
| Ethylbenzene | ND | 0.00100 | , | | | | | |
| Xylene (p/m) | ND | 0.00100 | | | | | | |
| Xylene (o) | ND | 0.00100 | a | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 53.0 | | ug/kg | 50.0 | | 106 | 75-125 | |
| Surrogate: 4-Bromofluorobenzene | 50.6 | | " | 50.0 | | 101 | 75-125 | |
| LCS (ED72008-BS1) | | | | Prepared: 04 | /20/07 | Analyzed: 04 | /23/07 | 5 |
| Benzene | 0.0535 | 0.00100 | mg/kg wet | 0.0500 | | 107 | 80-120 | |
| Toluene | 0.0539 | 0.00100 | н | 0.0500 | | 108 | 80-120 | |
| Ethylbenzene | 0.0572 | 0.00100 | | 0.0500 | | 114 | 80-120 | |
| Xylene (p/m) | 0.106 | 0.00100 | | 0.100 | | 106 | 80-120 | |

ug/kg

"

0.0500

50.0

50.0

0.0580

53.1

53.1

0.00100

Xylene (o)

Surrogate: a,a,a-Trifluorotoluene

Surrogate: 4-Bromofluorobenzene

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80-120

75-125

75-125

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Organics by GC - Quality Control

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| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|--------------|-----------|-------------|------------|-------------|--------|---------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch ED72008 - EPA 5030C (GC) | | | | | | | | | | |
| Calibration Check (ED72008-CCV1) | | | | Prepared: (| 04/20/07 A | nalyzcd: 04 | /24/07 | | | |
| Benzene | 54.3 | | ug/kg | 50.0 | | 109 | 80-120 | | | |
| Toluene | 54.9 | | | 50.0 | | 110 | 80-120 | | | |
| Ethylbenzene | 58.2 | | | 50.0 | | 116 | 80-120 | | | |
| Xylene (p/m) | 105 | | | 100 | | 105 | 80-120 | | | |
| Xylene (o) | 58.8 | | н | 50.0 | | 118 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 49.8 | | " | 50.0 | | 99.6 | 75-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 52.4 | | " | 50.0 | | 105 | 75-125 | | | |
| Matrix Spike (ED72008-MS1) | Sou | rce: 7D20008 | -02 | Prepared: (| 04/20/07 A | nałyzed: 04 | /24/07 | | | |
| Benzene | 0.0985 | 0.00200 | mg/kg dry | 0.106 | ND | 92.9 | 80-120 | | | |
| Toluene | 0.0926 | 0.00200 | | 0.106 | ND | 87.4 | 80-120 | | | |
| Ethylbenzene | 0.0880 | 0.00200 | | 0.106 | ND | 83.0 | 80-120 | | | |
| Xylene (p/m) | 0.171 | 0.00200 | | 0.211 | ND | 81.0 | 80-120 | | | |
| Xylene (0) | 0.0918 | 0.00200 | п | 0.106 | ND | 86.6 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 39.4 | | ug/kg | 50.0 | ****** | 78.8 | 75-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.3 | | " | 50.0 | | 76.6 | 75-125 | | | |
| Matrix Spike Dup (ED72008-MSD1) | Sou | rce: 7D20008 | -02 | Prepared: | 04/20/07 A | nalyzed: 04 | /24/07 | | | |
| Benzene | 0.0966 | 0.00200 | mg/kg dry | 0.106 | ND | 91.1 | 80-120 | 1.96 | 20 | |
| Tolucne | 0.0909 | 0.00200 | | 0,105 | ND | 85.8 | 80-120 | 1.85 | 20 | |
| Ethylbenzene | 0.0932 | 0.00200 | | 0.106 | ND | 87.9 | 80-120 | 5.73 | 20 | |
| Xylene (p/m) | 0.174 | 0.00200 | | 0.211 | ND | 82.5 | 80-120 | 1.83 | 20 | |
| Xylene (o) | 0.0913 | 0.00200 | P | 0.105 | ND | 86.1 | 80-120 | 0.579 | 20 | |
| Surrogate : a,a, a-Trifluorotoluene | 40.8 | | ug/kg | 50.0 | | 81.6 | 75-125 | • • • • | ** | |
| Surrogate: 4-Bromofluorobenzene | 40.0 | | " | 50.0 | | 80.0 | 75-125 | | | |

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Project Number: 30-015-32666 Project Manager: Robert Asher

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|--------------------|-------|----------------|------------------|----------|----------------|------|--------------|-------|
| Batch ED72005 - General Preparation (Prep) | | | | | | | | | | |
| Blank (ED72005-BLK1) | | | | Prepared & | Analyzed: | 04/19/07 | | | | |
| % Solids | 100 | | % | | | | | | | |
| Duplicate (ED72005-DUP1) | Sourc | e: 7D19006- | 01 | Prepared & | Analyzed: | 04/19/07 | | | | |
| % Solids | 85.4 | | % | | 82.9 | | | 2.97 | 20 | |

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported

Yates Petroleum Corp.

105 S. Fourth St. Artesia NM, 88210

- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:

Bun Barron

4/25/2007

Brent Barron, Laboratory Director/Corp. Technical Director Celey D. Keene, Org. Tech Director Raland K. Tuttle, Laboratory Consultant James Mathis, QA/QC Officer Jeanne Mc Murrey, Inorg. Tech Director

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AT AVAN de llat -Ш

| IS REQUEST 432-563-1800 432-563-1713 | BCG State Com. #1 | | | | TRRP NPDES | | | | BTEX 60218/5030 or BTEX 8 ארו Chlondes Chlondes Standard TAT (Pre-Schedule) ארו Standard TAT (Pre-Schedule) ארו לארו לארו לארו לארו לארו לארו לארו לארו לארו לארו לארו | × | × | | | × ` | | | 60 | s) (2) | ~ { |
|---|---------------------|-----------------------------|--------------------------|---------------------|----------------|--------------------|----------------|----------------------|--|-----------|------------|------------|------------|------------|------------|------------|--|---|---|
| CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST Phone: 432-563-1800 xas 79765 xas 79765 | Gem Dandy | Project #: 30-015-32666 | Project Loc: Eddy County | #: 105632 | X Standard | Analyze For: | TCLP TOTAL | | Catons (Ca, Mg, Na, K) Anions (Ct, SO4, Alkaliniky) SAR / ESP / CEC Metals- As Ag Ba Cd Cr Pb Hi Metals- As Ag Ba Cd Cr Pb Hi Semivolables | | | | | | | | Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? | Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) | Sample Hand Delivered by Sampler/Client Rep. |
| ODY RECORD | Project Name: | Project | Project Lo | PO #: | Report Format: | | | Matrix | TPH TX 1005 TX 1006 GW = Growdwate Secoly Other GW = Growdwate Secoly Other | s × | s | s | S | 1 | + | s | | te Time | te Time |
| CHAIN OF CUST 1-20 East xas 79765 | | | | | | IM.COM | | on 6 # of Containers | Other (Specify) None NaOH H _S O2, H _S O2, | | | | | | | | r. | Date | Date |
| CHAIN O 12600 West I-20 East Odessa, Texas 79765 | | | | | 505-748-4662 | boba@ypcnm.com | | Preservation | HCI lea oral # of Containers oral # of Containers | - | 1 X | 1 X | 1 × | 1 × | 1 × | - × | mg/kg. Thank you | | |
| | | | | | Fax No: | e-mail: | | | bolqme2 omiT | 2:02 PM | 2:15 | 7 2:23 PM | 7 2:30 PM | 7 3:00 PM | 7 3:05 PM | 7 3:28 PM | Show BTEX results in r | | |
| | | | | | | | | | Date Sampled | 4/17/2007 | | 4/17/2007 | 4/17/2007 | 4/17/2007 | 4/17/2007 | 4/17/2007 | | Received by: | Received by: |
| as | | | | | | | | | http://pepth AfgaD Depth | +- | - | 00 00 | 9' 9' | + | 2' 2' | 3. | BTEX: 8021B | Time 3:21 PM | Time |
| b of Tex | - | Yates Petroleum Corporation | th Street | 88210 | 17 | ACL | | | | | | | | | | | TPH: 8015B BTE | Date 04/18/07 | Date |
| Environmental Lab of Texas | nager: Robert Asher | | | in: Aresia NM 88210 | | ure: | | 20010101 | 010182 | Color Dod | GS/7.0-002 | GS/8.0-003 | GS/9.0-004 | GS/1.0-005 | GS/2.0-006 | GS/3.0-007 | ΓL | 1.0. | 11/1 |
| nvironm | Project Manager: | Company Name | Company A | City/State/Zip | Telephone No: | Sampler Signature: | (lab use only) | ORDER #: 101 | | | 10 | 22 | 04 | 05 | 00 | 01 | Special Instructions: | Relinquished by: | Robert Asher Relinquished by: |

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Feder 9029 75599341

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Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

| Client: | Yates Petroleum (orp. |
|-------------|-----------------------|
| Date/ Time: | 4-19-07 10:10 |
| _abID#: | 7019005 |
| nitials: | <u>a</u> L |

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Sample Receipt Checklist

| | | | | Client Initials |
|------------|--|-------|----|--------------------------|
| #1 | Temperature of container/ cooler? | Yes | No | 3.0 °C |
| #2 | Shipping container in good condition? | (es) | No | |
| #3 | Custody Seals intact on shipping container/ cooler? | Yes | No | Not Present |
| #4 | Custody Seals intact on sample bottles/ container? | Fes | No | Not Present |
| # 5 | Chain of Custody present? | Tes | No | |
| # 6 | Sample instructions complete of Chain of Custody? | Yes | No | |
| # 7 | Chain of Custody signed when relinquished/ received? | Yes | No | |
| #8 | Chain of Custody agrees with sample label(s)? | (es) | No | ID written on Cont./ Lid |
| #9 | Container label(s) legible and intact? | Ves | No | Not Applicable |
| #10 | Sample matrix/ properties agree with Chain of Custody? | Yes) | No | |
| #11 | Containers supplied by ELOT? | Yes | No | |
| #12 | Samples in proper container/ bottle? | Yes | No | See Below |
| #13 | Samples properly preserved? | Yes | No | See Below |
| #14 | Sample bottles intact? | Yes | No | |
| #15 | Preservations documented on Chain of Custody? | Yes | No | |
| #16 | Containers documented on Chain of Custody? | res | No | |
| #17 | Sufficient sample amount for indicated test(s)? | (Yes | No | See Below |
| #18 | All samples received within sufficient hold time? | Yes | No | See Below |
| #19 | Subcontract of sample(s)? | Yes | No | Not Applicable |
| #20 | VOC samples have zero headspace? | (Yes) | No | Not Applicable |

Variance Documentation

| Contact: | Contacted by: | Date/ Time: | |
|---------------------------------------|---------------|--|--|
| Regarding: | | | |
| Corrective Action Taker | n: | | |
| W | | | |
| Received by OCD: 9/30/2022 10:43:16 A | | rould like to proceed with analysis un shortly after sampling event | |
| ved by OCD: 9 | | | |
| Recei | | | |

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|-------|------------|-----------------------------------|-------------------------------------|--|-------------------|
| 50 | Yates Peti | roleum Corp. | Project: G | Fax: (505) 748-4662 | |
| Page | 105 S. Fo | | Project Number: 30 |)-015-32666 | |
| Р | Artesia N | M, 88210 | Project Manager: Re | obert Asher | |
| | S-06 | The recovery of this surrogate is | Notes and Defin | nitions le dilution required from high analyte con- | centration and/or |
| | | matrix interference's. | | to anation required from ingh unaryte con | |
| | S-04 | The surrogate recovery for this s | ample is outside of established cor | ntrol limits due to a sample matrix effect. | |
| | DET | Analyte DETECTED | | | |
| | ND | Analyte NOT DETECTED at or abo | ve the reporting limit | | |
| | NR | Not Reported | | | |

- Sample results reported on a dry weight basis dry
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Duplicate Dup

Report Approved By:

Brent Barron, Laboratory Director/Corp. Technical Director

Date:

James Mathis, QA/QC Officer Jeanne Mc Murrey, Inorg. Tech Director

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Celey D. Keene, Org. Tech Director

Raland K. Tuttle, Laboratory Consultant

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| 12(Od | | | | | 505-748-4662 | boba@vocnm.com | | | | Ц | | | lce | × | × | × | × | × | × | × | - | | _ |
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| | Project Manager: Robert Asher | Company Name Yates Petroleum Corporation | :2 | Citv/State/Zip: Artesia, NM 88210 | | | oamplei olgijature. | | 6 | 200PIDL : | 020182 | | FIELD CODE | GS/6.0-001 | GS/7.0-002 | GS/8.0-003 | GS/9.0-004 | GS/1.0-005 | GS/2.0-006 | GS/3.0-007 | | | |
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Relinquished by:

FedEx Lone Star

DHL

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Sample Containers Intact? VOCs Free of Headspace? Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. 7 by Courier? UPS DHI

Time

Date

Time

Date

Laboratory Comments:

Show BTEX results in mg/kg. Thank you

TPH: 8015B BTEX: 8021B.

Special Instructions:

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4 or 9 lass Temperature Upon Receipt:

10:10

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Indrea Received by ELOT:

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Received by:

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Received by:

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Relinquished by: Robert Asher Relinquished by:

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Variance/ Corrective Action Report- Sample Log-In

| Client | Yates Petroleum (orp. |
|-------------|-----------------------|
| Date/ Time: | 4-19-07 10:10 |
| Lab ID # : | 7019005 |

al

Lab ID #:

Page 52 of 61

Initials:

Sample Receipt Checklist

| | | | | | Client Initia |
|-----------------------|--|--|------------------------------------|---------------------|--------------------------|
| #1 | Temperature of container/ cooler? | | fes | No | 3.0 °C |
| | Shipping container in good condition? | | (es) | No | |
| #3 | Custody Seals intact on shipping cont | ainer/ cooler? | Yes | No | Not Present |
| | Custody Seals intact on sample bottle | s/ container? | (es | No | Not Present |
| #5 | Chain of Custody present? | | Tes | No | |
| #6 | Sample instructions complete of Chai | n of Custody? | Tes | No | |
| #7 | Chain of Custody signed when relingu | ished/ received? | Yes | No | |
| #8 | Chain of Custody agrees with sample | label(s)? | (es) | No | ID written on Cont./ Lid |
| #9 | Container label(s) legible and intact? | | Ves | No | Not Applicable |
| #10 | Sample matrix/ properties agree with | Chain of Custody? | Yes | No | |
| #11 | Containers supplied by ELOT? | | Yes | No | |
| #12 | Samples in proper container/ bottle? | · · · · · · · · · · · · · · · · · · · | Tes | No | See Below |
| #13 | Samples properly preserved? | | Yes | No | See Below |
| #14 | Sample bottles intact? | | Yes | No | OCC Delow |
| #15 | Preservations documented on Chain | of Custody? | Yes | No | |
| #16 | Containers documented on Chain of | | res | No | |
| #17 | Sufficient sample amount for indicate | | Tes | No | See Below |
| #18 | All samples received within sufficient | | Yes | No | See Below |
| #19 | Subcontract of sample(s)? | | Yes | No | Not Applicable |
| #20 | VOC samples have zero headspace | 2 | (Yes) | No | Not Applicable |
| Cont | act: Co | Variance Docu | mentation | | Date/ Time: |
| Rega | arding: | | | | |
| | ective Action Taken: | | 8 5 | | |
| 10:43:16 | | | • | | |
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| ived by OCD: 9/3 0202 | Client | tached e-mail/ fax understands and wou g process had begun | ld like to proc shortly after s | eed with ampling | analysis event |
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|---|-------------|--------------------------|
| Man# 3 SHPR: BOB AS FEXP PO WT: 16.6 lbs | Daso Chros | 45.44 45.44 |

| Artesa. NM Sch-748-4217 Fax. No: Sch-748-4217 Fax. No: Sch-748-4217 Report Format: Signature: | Relinquished by: | Relinquished by: | Relinquished by: | | Special Instructions: | | | | | | | | | - | | LAB # (lab use only) | ORDER #: | ab use only) | Sam | Telep | City/a |) + | Com | Com Com |
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| Pot: Tex No: S05.748-4692 Report Format: X Standard TRRP NDDES e-mail: boba@//pccmm.com | Time | Time | Time 3:21 Pl | | X: 80; | _ | | + | + | + | | | | - | - | | - | | | | | | | |
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Received by OCD: 9/30/2022 10:43:16 AM



Gem Dandy BCG State Com #1 Closure Report #nMLB0716553869



September 29, 2022

Appendix E NMOCD Final Report Approval Email

energy opportunity growth

Released to Imaging: 2/6/2023 12:34:02 PM

From:Bratcher, Mike, EMNRD [mike.bratcher@state.nm.us]Sent:Thursday, July 19, 2007 11:16 AMTo:Bob AsherSubject:RE: Gem Dandy BCG State Com. #1

Bob,

Based on analytical data presented, this site is approved to commence back fill operations.

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

Sincerely,

Mike Bratcher NMOCD District 2

From: Bob Asher [mailto:boba@YPCNM.COM] Sent: Thursday, July 19, 2007 8:34 AM To: Bratcher, Mike, EMNRD Subject: Gem Dandy BCG State Com. #1

Mike,

Per our conversation this morning, Yates would like to request verbal permission to begin back fill work at the above location to allow production operations to restart. I have called the dirt contractor; they will begin work on Friday, July 20, 2007.

Thank you for your assistance with this project.

Robert Asher Yates Petroleum Corporation 505-748-4217 (Office) 505-748-4662 (Fax) 505-365-4021 (Cell)

This inbound email has been scanned by the MessageLabs Email Security System.

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient (s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

7/24/2007



Gem Dandy BCG State Com #1 Closure Report #nMLB0716553869



September 29, 2022

Appendix F Current C-141 Closure

energy opportunity growth

State of New Mexico Energy Minerals and Natural Resources Department

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

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Page 58 of 61

| Incident ID | nMLB0716553869 |
|----------------|----------------|
| District RP | |
| 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) nMLB0716553869 | | | | |
| Contact mailing address 104 S. 4th Street, Artesia, NM 88210 | | | | | |

Location of Release Source

Latitude 32.87691

Longitude -104.25475 (NAD 83 in decimal degrees to 5 decimal places)

| Site Name Gem Dandy BCG State Com #1 | Site Type Battery |
|--------------------------------------|---|
| Date Release Discovered 12/31/2006 | API# (<i>if applicable</i>) 30-015-32666 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| L | 35 | 16S | 27E | Eddy |

Surface Owner: State Federal Tribal Private (Name: COG Operating

Nature and Volume of Release

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

| Crude Oil | Volume Released (bbls) 10 | Volume Recovered (bbls) 5 |
|------------------------|--|---|
| Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |
| Cause of Release Pleas | se refer to the original C-141 for details of | nMLB0716553869. |

Page 2

Oil Conservation Division

| Incident ID | nMLB0716553869 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

| Was this a major release as defined by 19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible party consider this a major release? |
|--|---|
| 🗌 Yes 📈 No | |
| | |
| If YES, was immediate no | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |
| | |

Initial Response

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

 \checkmark The source of the release has been stopped.

 ∇ The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Chase Settle

Signature: Chase Settle

Title: Rep Safety & Environmental Sr Date: 09/29/2022

email: Chase Settle@eogresources.com

| Telephone: | 575-748-1471 |
|------------|--------------|

OCD Only

Jocelyn Harimon Received by:

Date: 09/30/2022

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Oil Conservation Division

| | Page 60 of 61 |
|----------------|----------------|
| Incident ID | nMLB0716553869 |
| District RP | |
| 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 i | toms must be included in the closure report | | | | | | |
|---|---|--|--|--|--|--|--|
| Closure Report Attachment Checknist: Each of the following t | tems musi de 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 must be notified 2 days prior to liner inspection) | 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 | C District office must be notified 2 days prior to final sampling) | | | | | | |
| Description of remediation activities | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of | tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in | | | | | | |
| Printed Name: Chase Settle | Title: Rep Safety & Environmental Sr | | | | | | |
| Signature: Chase Settle | Date: 09/29/2022 | | | | | | |
| email: Chase_Settle@eogresources.com | Telephone: 575-748-1471 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| OCD Only Jocelyn Harimon | 09/30/2022 | | | | | | |
| Received by: | Date: | | | | | | |
| | | | | | | | |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations. | | | | | | |
| Closure Approved by: <u>Ashley Maxwell</u> | Date: 2/06/2023 | | | | | | |
| 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

| Operator: | OGRID: |
|-------------------|---|
| EOG RESOURCES INC | 7377 |
| P.O. Box 2267 | Action Number: |
| Midland, TX 79702 | 147802 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |
| | |

CONDITIONS

| Created By | | Condition Date |
|------------|------|-------------------|
| amaxwell | None | 2/6/2023 |

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Action 147802