

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 D: Original C-141 Final Report
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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

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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											
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					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
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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

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I. Location

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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:

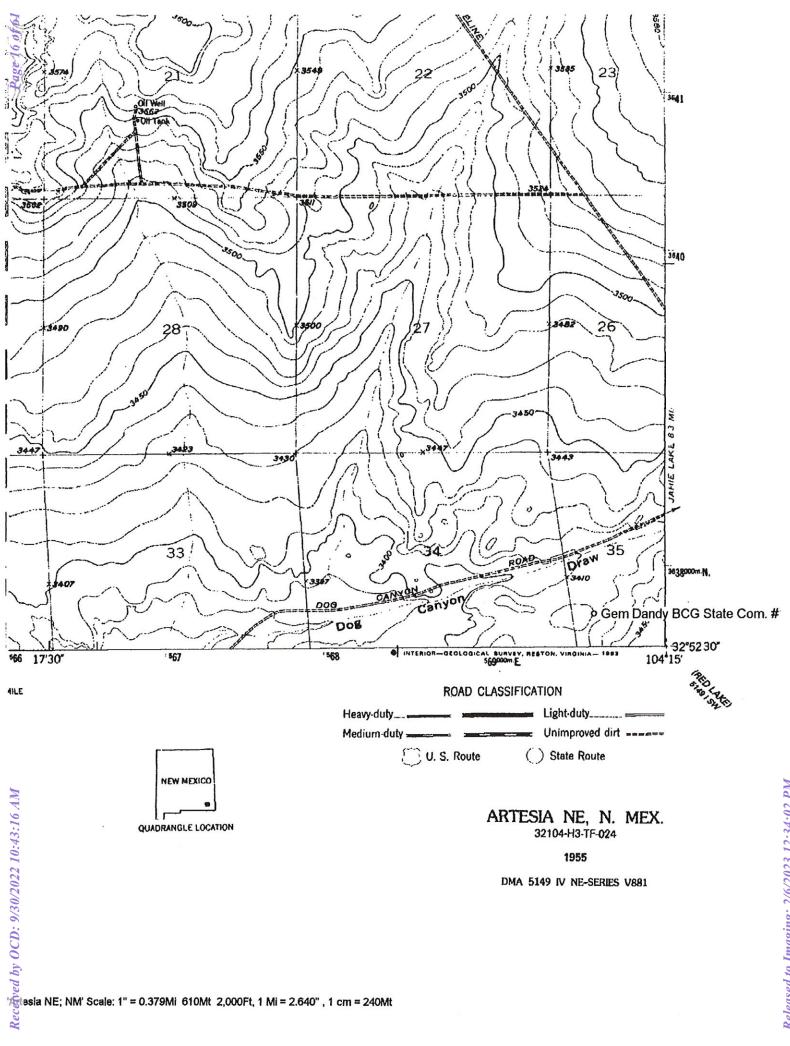
Depth to ground water< 50'</th>Wellhead Protection Area> 1000'Distance to surface water body> 1000'

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

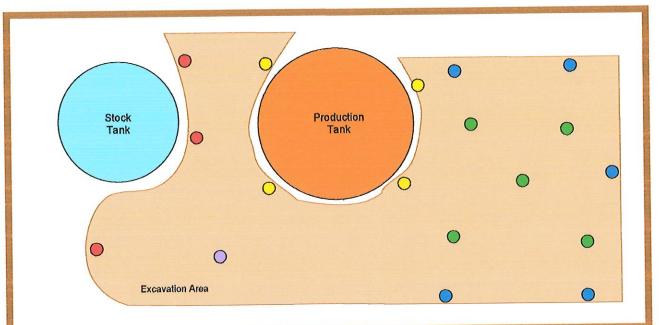
Robert Asher Environmental Regulatory Agent

Encl	osure	(s)
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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
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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					
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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		
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			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 🗌
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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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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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Odessa, Texas 79765	Fax: 432-563-1713

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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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ed l			m	0	F] NPDES						ed t
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				-	
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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

Environmental Lab of Texas

								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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		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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106

106

80-120

75-125

75-125

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Organics by GC - Quality Control

Environmental Lab of Texas

		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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of 11

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• Page 45 of 61 Released to Imaging: 2/6/2023 12:34:02 PM Received by OCD: 9/30/2022 10:43:16 AM

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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Date:

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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
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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		
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b of Tex	-	Yates Petroleum Corporation	th Street	88210	17	ACL											TPH: 8015B BTE	Date 04/18/07	Date
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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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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			
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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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Fedex 902975599341

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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10:10

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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

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Lab ID #:

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

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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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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.

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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

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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