From: Bob Asher

To: Yu, Olivia, EMNRD; Oberding, Tomas, EMNRD; Griswold, Jim, EMNRD

 Cc:
 Chase Settle; Katie Parker

 Subject:
 RE: Vince BGH #1 (1RP-3449)

 Date:
 Friday, February 3, 2017 10:57:32 AM

Attachments: <u>image001.png</u>

NMOSE (Vince BGH # 1).pdf

Ms. Yu.

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

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

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

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

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

Thank you.

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



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

Sent: Tuesday, January 31, 2017 2:35 PM **To:** Bob Asher; Oberding, Tomas, EMNRD

Cc: Chase Settle; Groves, Amber

Subject: RE: Vince BGH #1 (1RP-3449)

** External email. Use caution.**

Dear Mr. Asher:

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

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

Thanks, Olivia

From: Bob Asher [mailto:Bob Asher@eogresources.com]

Sent: Tuesday, January 24, 2017 3:21 PM

To: Yu, Olivia, EMNRD < Olivia. Yu@state.nm.us >; Oberding, Tomas, EMNRD

<<u>Tomas.Oberding@state.nm.us</u>>

Cc: Chase Settle < Chase Settle@eogresources.com >

Subject: FW: Vince BGH #1 (1RP-3449)

Thank you.

Robert C. "Bob" Asher

Safety & Environmental Department EOG Resources, Inc. Artesia Division Office EOG Safety Begins With YOUR Safety



From: Bob Asher

Sent: Wednesday, December 07, 2016 4:11 PM

To: Kristen.Lynch@state.nm.us

Cc: Amber Griffin; Chase Settle; Katie Parker

Subject: Vince BGH #1 (1RP-3449)

Kristen,

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

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

Thank you.

Robert C. "Bob" Asher

Sr. Environmental Supervisor Environmental Department

EOG Resources, Inc. Artesia Division Office

105 S. 4th Street Artesia, NM 88210 575-748-4217 (Office) 575-365-4021 (Cell) **EOG Safety Begins With YOUR Safety**





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

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

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

C=the file is

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD

L

Sub-QQQ Code

X γ 648592 3713286

Water DistanceDepthWellDepthWater Column 5041

POD Number L 11998 POD1 basin County 6416 4 Sec Tws Rng 3 3 2 07 09S 35E

200

12426 POD1

1 4 1 19 09S 36E

657911 3710545

156 140

114 26

L 12449 POD1

3 4 3 26 10S 35E

654950 3698136

11804 Average Depth to Water:

9330

114 feet

Minimum Depth: Maximum Depth: 114 feet 114 feet

Record Count:

UTMNAD83 Radius Search (in meters):

Easting (X): 648866.2078699573

Northing (Y): 3708252.6733906968

Radius: 11805

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

2/1/17 10:41 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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

State of New Mexico Energy Minerals and Natural Resources

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

Submit 2 Copies to appropriate District Office in accordance

with Rule 116 on back side of form

Form C-141

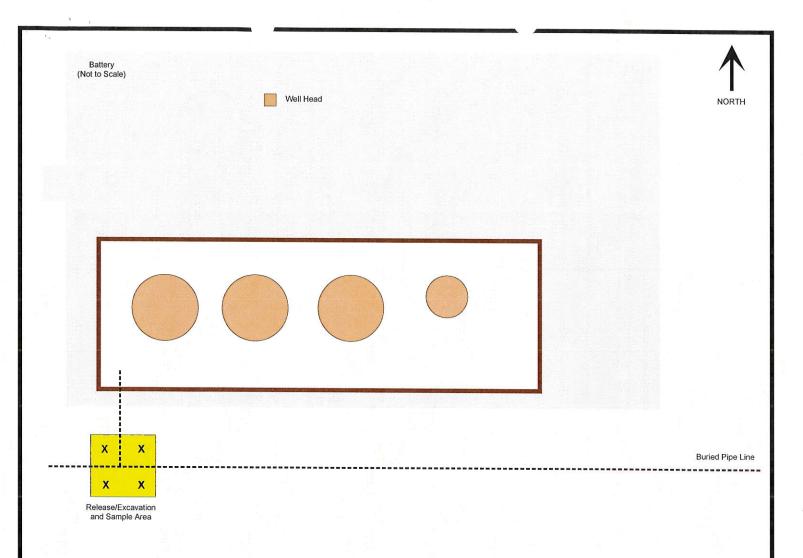
Revised October 10, 2003

Release Notification and Corrective Action OPERATOR Initial Report Final Report OGRID Number Contact 25575 Robert Asher Telephone No. 575-748-1471 API Number Facility Type 30-025-37104 Battery Mineral Owner Lease No. State

Name of Company Yates Petroleum Corporation Address 104 S. 4TH Street Facility Name Vince BGH #1 Surface Owner Fee LOCATION OF RELEASE Feet from the North/South Line Unit Letter Section Township Feet from the East/West Line Range County 1980 98 35E South J 30 1750 East Lea **Latitude** 33.50332 **Longitude** 103.39680 NATURE OF RELEASE Type of Release Volume of Release Volume Recovered Produced Water 25 B/PW 25 B/PW Source of Release Date and Hour of Occurrence Date and Hour of Discovery 4/25/2012 - PM Pipeline polyline 4/25/2012 - PM Was Immediate Notice Given? If YES, To Whom? E.L. Gonzales & Geoffrey Leking/NMOCD I By Whom? Date and Hour Bob Asher/Yates Petroleum Corporation 4/26/2012 - AM Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No N/A If a Watercourse was Impacted, Describe Fully.* N/A Describe Cause of Problem and Remedial Action Taken.* Possible livestock in existing excavation. Possibly rubbing on 6" polyline causing release. Spill reason in assumed due to cattle tracks and fencing around excavation tore down, but undetermined at this time. Vacuum truck called. Pipeline repaired. Describe Area Affected and Cleanup Action Taken.* An approximate area of 20' X 10'. Vacuum truck called, picked up all produced water. Impacted soils excavated and being taken to an NMOCD approved facility. Initial vertical/horizontal delineation samples within the impacted area will be analyzed for TPH/BTEX (Chlorides for reference). If initial analytical results for TPH/BTEX are under RRAL's a Final Report, C-141 will be submitted to the NMOCD requesting closure. If the analytical results are above the RRAL, a work plan will be submitted to the NMOCD. Depth to Ground Water: >100' (approx. 135'), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on depth to ground water, impacted soils excavated/removed, all water recovered and liner to be installed, Yates Petroleum Corporation requests closure. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

	OIL CONSERVATION DIVISION										
Signature: Printed Name: Robert Asher	Approved by District Supervisor	:									
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:									
E-mail Address: boba@yatespetroleum.com	Conditions of Approval:	Att	ached								
Date: Wednesday, June 06, 2012 Phone: 575-748-4217	1RP-										

^{*} Attach Additional Sheets If Necessary



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

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

All results are ppm. Chlorides for documentation.

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



Vince BGH #1

30-025-37104

Section 30, T9S-R35E

Lea County, NM

ENVIRONMENTAL SAMPLE DIAGRAM

(Not to Scale)

June 6, 2012

Prepared by YPC Environmental Division



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

May 18, 2012

Robert Asher Yates Petroleum 105 South 4th Artesia, NM 88210

TEL: (575) 748-4217

FAX

RE: Vince BGH #1

OrderNo.: 1205516

Dear Robert Asher:

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-01.0

Project: Vince BGH #1

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

Lab ID: 1205516-001

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

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

Matrix: SOIL

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-02.0

Project: Vince BGH #1

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

Lab ID: 1205516-002

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

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

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-03.0

Vince BGH #1 Project:

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

Lab ID: 1205516-003

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

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

Matrix: SOIL

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

Value above quantitation range E

J Analyte detected below quantitation limits

RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Reporting Detection Limit



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

Sample Log-In Check List

Clien	t Name:	Yates/Retrol	eum Corporation	n	Work Ord	der N	umbe	r. 1205	516		
Rece	ived by/date	· K	•	05/11/12							
Logg	ed By:	Lindsay Mar	ngin	5/11/2012 9:15:00	ΑM		6	Junely Hody	ço So		
Com	pleted By:	Lindsay Mar	ngin	5/11/2012 9:52:40	AM		(Zunky Hafi Zunky Hafi	ga)		
Revie	ewed By: ===	to osly	1/20				V	, , ,	·		
Chai	n of Cust	tody									
1. 1	Were seals i	intact?			Yes		No	. N	ot Present	✓	
2.	ls Chain of C	Custody compl	ete?		Yes	~	No	N	ot Present		
3. 1	How was the	sample delive	ered?		FedE	x					
Log	<u>In</u>										
4.	Coolers are	present? (see	19. for cooler sp	ecific information)	Yes	V	No		NA		
5.	Was an atte	mpt made to o	ool the samples	?	Yes	~	No	i	NA		
6.	Were all san	mples received	l at a temperatur	re of >0° C to 6.0°C	Yes	V	No	:	NA		
7.	Sample(s) ir	n proper contai	iner(s)?		Yes	V	No				
8.	Sufficient sa	imple volume i	for indicated test	(s)?	Yes	v	No	j)			
9.	Are samples	s (except VOA	and ONG) propo	erly preserved?	Yes	V	No :				
10.	Was presen	vative added to	bottles?		Yes	. [No	~	NA		
						F 40	90°5 A				
		ave zero head			Yes	1.4	No		VOA Vials	✓	
			ers received brok	ken?	Yes	4 1	No :	V	# of pre	ranga	
		work match bo epancies on ch	ottle labels? ain of custody)		Yes	V	No		bottles of		
14.	Are matrices	s correctly idea	ntified on Chain	of Custody?	Yes	~	No	i	78 10	(<2 o	r >12 unless noted)
15.	Is it clear wh	hat analyses w	ere requested?			V			. A	djusted?	
		lding times abl			Yes	V	No				
		customer for							Ch	necked by:	
AT THE RESERVE OF THE	Control of the control	lling (if app					1000 83			200	
17.	Was client r	notified of all d	iscrepancies wit	h this order?	Yes		No	;	NA	. •	
	Persor	n Notified:	1 2000 10 20 20 20 20 20 20 20 20 20 20 20 20 20	Da	te:			en e	makare		
	By Wh	no m :		Via	: eMa	ail :	Ph	one	Fax Ir	Person	
	Regard	ding:	TO THE REAL PROPERTY OF THE PARTY OF THE PAR		A CONTRACTOR OF THE PARTY OF TH	Ma markey	***************************************	CONTRACTOR AND STATE	**************************************		<u>-</u>
	Client	Instructions:			44444	Market Lane	A. manage	~~~~			
18.	Additional re	emarks:									
	_										
19.	Cooler Info	1	Condition	Cool Intent Cool No.	1 010	a.t	1 -	Diau - • -	- I		
	Cooler N	4.3		Seal Intact Seal No	Seal D	ale	1 3	Signed E	<u>⊃y</u>		or .

17									٧, ٠	,	\ aolddig yj								<u> </u>				25		20
AL	LABORATORY																						Remarks: Please put Chlorides on separate report. Please show ALL		*
ENVIRONMENTAL	5		60									. 3						-	-				e sho	5	X 22
N N	3	E	Albuquerque, NM 87109	1107					(40/	/-ime2) 0728								-	-	_		Pleas	4BOJ	710x
Z	BO	al.co	Ž Ž	345-4	st						(AOV) 80828							-	-				port.	Jape	COLLECT
RO	5	nenta	srque	505	enbe		S,	ВОВ	2808	sə	8081 Pesticio	-									:		ate re	文	70%
Z	S	www.hallenvironmental.com	nbn	Fax 505-345-4107	Analysis Request	(1	os'	^p Od	ι' ^z ΟΝ' ^ε	JN'	Anions (F,Cl	×	×	×									separ	1	• •
E	S	llenv	- Alb	٦	alysi	•)		e e			RCRA 8 Met				1000								e on s	Total La	1 1
	F	w.ha		3975	An						o AN9) 01:E8												loride	CZ	
HAII	ANALYSIS	. ≷	4901 Hawkins NE	Tel. 505-345-3975							EDB (Method												Remarks: Please put Chloride	DITK	PERVEST
علت	•		Нам	505-		- In-	2001	ales			TPH (Methoc												ase p	3	
			1901	Tel							BTEX + MTB	<u>×</u>	×	×						*)			s: Ple		2
			4								STM + X3T8	×	×	×		-		-		_			mark	SPORE	SAURE
	- 1		_	_				1				_		$\hat{-}$:			-	-		:		S s	17	VJ
				۴.								_		ď						·			Time	091	, e
		3										00-	-005	23									<u>-</u>	120	투
				1.					6		1642	١	1	1					ľ				Date /	7)ate
			27		4					1													<u>ا</u>	0	
	□ Rush		Vince BGH #1		30-025-37104		Robert Asher			2 1	ative 3											,	(X	
. :			ce B		025-		oert /		ne		Preservative Type	Ice	<u>8</u>	ce											
		 	Ş		8	ger:	8	ı	Same			٠										W		Z	E N
ı urn-Arouna ı ime.	X Standard	Project Name:		#:	.9	Manager:				N. II	Container Type and #	2.	ž	Ž.									Ma	7	, Ac
1-AT	Star	ect		Project #				ĺ	Sampler	(1)	ontai pe aí	1 - 402.	1 - 402.	1 - 4oz.				:					ived b	HILLY	ived b
<u>5</u>	\times	S.		Pro		Project			Sar		7 د						. "						Received	ZZ	Neget Section 1
					, ner			(uo			_ □	ОФ	0	S,0											
9						Ĕ		□ Level 4 (Full Validation)			Sample Request ID	Comp-88:35	Comp. 01.0 02.0	Comp 01.6 - 03,0								1	(-
ပ္ပ						E.C		\ \ \ \ \ \ \			Sedu	p -00.	9.44 9.44	p-04.6	÷								7	4	
Re	ion	:	treet	10		roleu		4 (F			le F	Com	Com	Com			174	ŀ					\	1	
ď	poraf		th S	1 882	117	spet		evel	,		ашр												<u>`</u>	. 1	. ,
sto	Cor		Fou	a, N	18-42	gyate			ē		*						•				i.) gg/	ر	shed b
Chain-of-Custody Record	Yates Petroleum Corporation		105 S. Fourth Street	Artesia, NM 88210	575-748-4217	boba@yatespetroleum.com			□ Other	Ė	Matrix	Soil	Soil	Soil									Relinquished by		Relinquished by
o	Petro	,	-	×	5	q						M											<u>~</u>		<u> </u>
Ė	ates	:	ess:			#:	ge:			(e)	Time	10:18 AM	10:33 AM	10:41 AM			2						Time:	2:55 PM	Time:
ha	>		Addre		٠.ي	Fax	acka	dard	ation P	Typ		_		_						_	-		Ė		Ĕ
J	int:		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	X Standard	Accreditation:	EDD (Type)	Date	5/10/2012	5/10/2012	5/10/2012										5/10/2012	
	Client:	.:	Ma	<u> </u>	품	em	8	×	Acc		_	5/1	5/1	5/1			٠.	eë					Date:	5/1	Date:

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



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

May 18, 2012

Robert Asher Yates Petroleum 105 South 4th Artesia, NM 88210

TEL: (575) 748-4217

FAX

RE: Vince BGH #1

OrderNo.: 1205516

Dear Robert Asher:

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-01.0

Project: Vince BGH #1

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

Lab ID: 1205516-001

Matrix: SOIL Received Date

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

Analyses EPA METHOD 300.0: ANIONS Chloride	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS		3			Analyst: BRM
Chloride	1,700	75	mg/Kg	50	5/16/2012 9:58:09 AM

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-02.0

Project: Vince BGH #1

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

Lab ID: 1205516-002

Matrix: SOIL Received I

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

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

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Lab Order 1205516

Date Reported: 5/18/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Comp-03.0

Project: Vince BGH #1

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

Lab ID: 1205516-003

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

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

Matrix: SOIL

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Page 3 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107

Website: พายาย.hallenvironmental.com

Sample Log-In Check List

Client Name: Yates/Retroleum Corporation Work Order Number: 1205516 Received by/date: Logged By: Lindsay Mangin 5/11/2012 9:15:00 AM Completed By: Lindsay Mangin 5/11/2012 9:52:40 AM Reviewed By: TO OS/14/10 Chain of Custody 1. Were seals intact? No Not Present ✓ Yes 2. Is Chain of Custody complete? No Not Present 3. How was the sample delivered? **FedEx** Log In 4. Coolers are present? (see 19. for cooler specific information) Yes V No NA 5. Was an attempt made to cool the samples? 6. Were all samples received at a temperature of >0° C to 6.0°C NA 7. Sample(s) in proper container(s)? ✓ No 8. Sufficient sample volume for indicated test(s)? 9. Are samples (except VOA and ONG) properly preserved? No 10. Was preservative added to bottles? No NA 11. VOA vials have zero headspace? No No VOA Vials ✔ 12. Were any sample containers received broken? No # of preserved 13. Does paperwork match bottle labels? No bottles checked (Note discrepancies on chain of custody) for pH: 14. Are matrices correctly identified on Chain of Custody? ✓ No (<2 or >12 unless noted) Adjusted? 15. Is it clear what analyses were requested? V. No 16. Were all holding times able to be met? ✓ No (If no, notify customer for authorization.) Checked by: Special Handling (if applicable) 17. Was client notified of all discrepancies with this order? NA V Yes No Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 18. Additional remarks: 19. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date

u L	. ≿		20						, 4	, o	N aolddir g alΔ						-	-	-		-	 -		V	I
HAII ENVIRONMENTAL	ANALYSIS LABORATORY		0									·										Remarks: Please put Chlorides on separate report. Please show ALL results as mg/kg. Thank vou.	5:	4) M. 1	١
A T T	\$	-	Albuquerque, NM 87109	107				-	(YO/	/-ime2) 0728											lease s	MBOUT	Z 3	fe monorant mendited for the life of the state of the sta
2	Ö	con.	Σ	505-345-4107				· .	,		(AOV) 80828						-	-		_	_	ort. P		3 8	
2	3	ental	que,	05-3	sən		S,	SOC	8082		8081 Pesticio					-	_				_	 e rep	Jakes .	2	
	S	muo	dne	Fax 5	Rec	(_	Anions (F,CI	×	×	×					-	-		para	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(T)	
Ž	SI	envir	Albu	ιĽ	Analysis Request	-					RCRA 8 Meta											on se	A.	\mathcal{C}	
		www.hallenvironmental.com	Щ	375	Ana				(H	A9 1	io AN9) 01:88		_					10				rides	Zold Billion	X	
4	Z	www	Ins N	5-36					(1.t	09	EDB (Method											Remarks: Please put Chlorid results as mg/kg. Thank you	¥	E E	
I	<		lawk	5-3					(1.8	117	TPH (Method											se put	SUTK	a a	
	ANAL Www.ha 4901 Hawkins NE Tel. 505-345-3975 An								DodteM H9T	×	X	×								Pleas mg/k	W.	<i>W</i>	-		
	4901 Tel.					(8TM + X3T8											arks:	SPORE	SAURE	
	J L.						(12	08)	s'aMT	+ 3	BTM + X3T8	×	×	×								Rem	40	3	
									8).			100-	700-	-003			: :					Date Time	25/11/12 OG15		
ııme:	□ Rush	ö	Vince BGH #1	38 390 11	30-025-37104	anager:	Robert Asher		Same		Preservative Type	Ice	loe	lce											-
I urn-Around I ime:	X Standard	Project Name:		Project #:		Project Mana	9	19	Sampler:		Container Type and #	1 - 40z,	1 - 402.	1 - 4oz.			::					Received by	A GUNDA	The same of the	
Chain-ot-Custody Record	Yates Petroleum Corporation	8	105 S. Fourth Street	Artesia, NM 88210	8-4217	boba@yatespetroleum.com	.00	☐ Level 4 (Full Validation)	<u>.</u>		Sample Request ID	O •O Comp -80:320,10	Comp-84.8 02.0	Comp-04-6-03,0	· ·							hed by:	1		
t-Cus	stroleum		105 S.	Artesia	575-748-4217	popa@		002081	□ Other		Matrix	Soil	Soil	Soil								Relinquished by	Dollaringhout National Park	reinhamen de	
ain-o	Yates Pe		dress:			ι χ# :	cage:	Q	:uc	(be)	Time	10:18 AM	10:33 AM	10:41 AM			:					Time:	2:55 PM	<u></u>	-
5	Client:		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	X Standard	Accreditation:	□ EDD (Type)	Date	5/10/2012	5/10/2012	5/10/2012			10 10						5/10/2012		-