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

Ms. Yu,

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

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

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

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

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

Thank you.

## Robert C. "Bob" Asher

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



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

\*\* External email. Use caution.\*\* Dear Mr. Asher:

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

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

Thanks, Olivia

From: Bob Asher [mailto:Bob\_Asher@eogresources.com]
Sent: Tuesday, January 24, 2017 3:21 PM
To: Yu, Olivia, EMNRD <<u>Olivia.Yu@state.nm.us</u>>; Oberding, Tomas, EMNRD
<<u>Tomas.Oberding@state.nm.us</u>>
Cc: Chase Settle <<u>Chase\_Settle@eogresources.com</u>>
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: <u>Kristen.Lynch@state.nm.us</u> 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. 4<sup>th</sup> 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 been rep O=orpha C=the fil closed)	olaced, aned,			20				E 3=SW 4	=SE) (NAD83 UTM meters)	1 in	(In fe	eet)	
		POD Sub-		Q	0.0	,								_
POD Number	Code		County	0.000	000.00		Tws	Rng	х	Y	DistanceDe	pthWellDept	Wa hWater Colı	
L 11998 POD1		L	LE	3	3 2	2 07	095	35E	648592	3713286 🌔	5041	200		
L 12426 POD1		L	LE	1	4 1	19	09S	36E	657911	3710545 🍈	9330	156		
L_12449 POD1		L	LE	3	4 3	3 26	10S	35E	654950	3698136 🍈	11804	140	114	26
										Ave	rage Depth to V	Nater:	114 feet	
											Minimum De	epth:	114 feet	
											Maximum De	epth:	114 feet	
Record 3 Count: UTMNAD83 Radius Easting (X): 648				hing	(Y)	3708	3252.67	733906	968	Radius: 1180	5			

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

## **Release Notification and Corrective Action**

	OPER	ATOR	Initial Report	Final Report
Name of Company	OGRID Number	Contact		
Yates Petroleum Corporation	25575	Robert Asher		
Address		Telephone No.		
104 S. 4 <sup>TH</sup> Street		575-748-1471		
Facility Name	API Number	Facility Type		
Vince BGH #1	30-025-37104	Battery	3	
Surface Owner	Mineral Owner	r	Lease No.	
Fee	State		A	

#### LOCATION OF RELEASE

								the Western states in code, which are not the states and compared to see the state of the states are the
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	30	95	35E	1980	South	1750	East	Lea
		-						

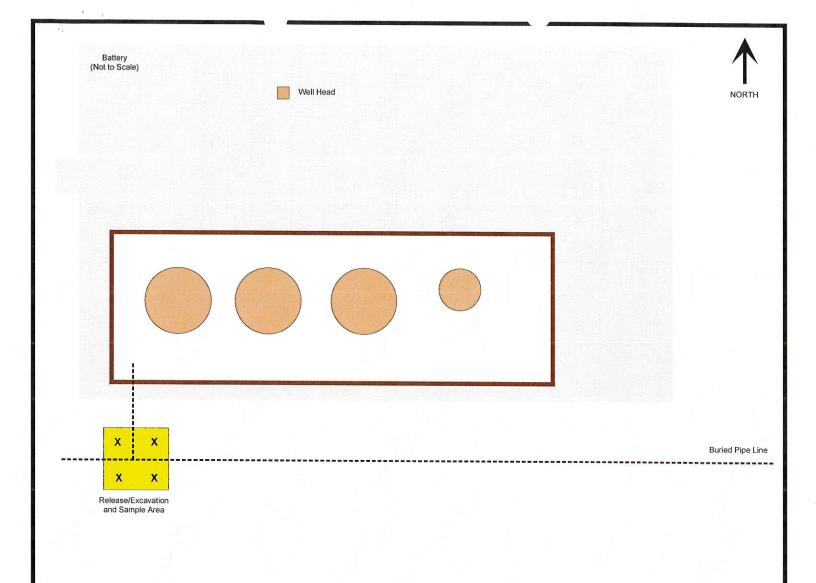
Latitude 33.50332 Longitude 103.39680

#### NATURE OF RELEASE

Source of Release     Date and Hour of Occurrence     4/25/2012 - PM       Pipeline polyline     4/25/2012 - PM     4/25/2012 - PM       Was Immediate Notice Given?     If YES, To Whom?     EL. Gonzales & Geoffrey Leking/NMOCD 1       By Whom?     Date and Hour of Occurrence     4/25/2012 - PM       By Whom?     Date and Hour of Occurrence     4/25/2012 - PM       By Whom?     Date and Hour of Occurrence     4/26/2012 - AM       Was Immediate Notice Given?     If YES, To Whom?     EL. Gonzales & Geoffrey Leking/NMOCD 1       By Whom?     Date and Hour of Occurrence     4/26/2012 - AM       Was a Watercourse Reached?     If YES, Volume Impacting the Watercourse.       N/A     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. Vaccuum 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 vertal/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 of the analyzed in the information given above is true and complete to the best of my knowledge and un	Type of Release	Volume of Release	Volume Recovered				
Pipeline polyline       4/25/2012 - PM       4/25/2012 - PM         Was Immediate Notice Given?       If YES, To Whom?       E.L. Gonzales & Geoffrey Leking/NMOCD I         By Whon?       Date and Hour       4/25/2012 - AM         Bob Asher/Yates Petroleum Corporation       4/25/2012 - AM       4/25/2012 - AM         Was a Watercourse Reached?       If YES, To Whom?       If YES, To Whom?         Mas a Watercourse Reached?       If YES, Volume Impacting the Watercourse.       N/A         Possible lives case of Problem and Remedial Action Taken.*       No       N/A         Describe Cause of Problem and Remedial Action Taken.*       Possible lives gexavation. Dossibly 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/norizontal delineation samples within the impacted area will be analyzed for TPH/BTEX (Chorides for reference). If initial 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 Bistance to Surface Water Body: >1000', SITE RANKING IS 0. Based on depth to ground water, impacted soils excavated/removed, all water recovered and line to be installed, Yates Petroleum Corporatino request closure.	Produced Water	25 B/PW					
Was Immediate Notice Given?       If YES, To Whom?         By Whom?       E.L. Gonzales & Gooffrey Leking/NMOCD I         By Whom?       Date and Hour         4205/2012 - AM       Jate and Hour         4205/2012 - AM       If YES, Volume Impacting the Watercourse.         Mas a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         N/A       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 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 Cause of Problem and Remedial Action Taken.*       Possible livestock in existing 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", STER EANKING IS D. Based on depth to ground water, surface wate							
Yes       No       Not Required       E.L. Gonzales & Geoffrey Leking/NMOCD I         By Whom?       Date and Hour       4/26/2012 - AM         Bob Asher/Yates Petroleum Corporation       4/26/2012 - AM         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         N/A       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A         NA       No         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 marked as "Final Report" (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 al		4/25/2012 - PM	4/25/2012 - PM				
By Whom?       Date and Hour         Bob Asher/Yates Petroleum Corporation       4/26/2012 - AM         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Describe Area Affected and Cleanup Action Taken.*       No         Describe Area Affected and Cleanup Action Taken.*       Ippeline repaired.         Describe Area Affected and Cleanup Action Taken.*       No         No bitata 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 (Chorides 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 for TPH/BTEX (States 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 does not reli							
Bob Asher/Yates Petroleum Corporation       4/26/2012 - AM         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         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 Cause of Problem and Remedial 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 ere under RRAL's a Final Report, C141 will be submitted to the NMOCD requesting closure. If the analytical results for TPH/BTEX verticemator 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 does not relieve the operator of liability should their operation shave failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. The 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 regul	🛛 Yes 🗌 No 🗌 Not Required	E.L. Gonzales & Geoffrey Leking/	NMOCD I				
Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         If a Watercourse was Impacted, Describe Fully.*       N/A         MA       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.*       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 Drequesting 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: >100', 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							
□       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; 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 risbility for compliance with any other federal, state, or local laws and/or regulations.         Signature:	Bob Asher/Yates Petroleum Corporation						
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 for TPH/BTEX are under RRAL's a Vin plan will be submitted to the NMOCD matter >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 e		If YES, Volume Impacting the Wa	itercourse.				
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. The acceptance of a C-141 report does not relieve the operator		N/A					
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. The acceptance of a C-141 report does not relieve the operator	If a Watercourse was Impacted, Describe Fully.*						
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. Dept to Ground Water: >100' (approx. 135'), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on dept to ground water, impacted soils excavated/removed, all water recovered and liner to be installed, Yates Petroleum Corporation requests closure.         In 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 releaves which may endanger public health or the environment. In addition, NMOCD acceptance of a C-141 report by the NMOCD marked as "final Report" does not relieve the operator of lability or compliance with any other federal, state, or local laws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by District Supervisor:         Tritle: Environmental Regulatory Agent       App							
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 or 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. Deepth 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. In addition, NMOCD acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by District Supervisor:         Tritte Environmental Regulatory Agent       Approval Date:	Describe Cause of Problem and Remedial Action Taken.*						
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 or 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. Deepth 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. In addition, NMOCD acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.         Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by District Supervisor:         Tritte Environmental Regulatory Agent       Approval Date:	Possible livestock in existing excavation. Possibly rubbing on 6" polyline	causing release. Spill reason in assu	med due to cattle tracks and fencing around				
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.  Signature: Dilt CONSERVATION DIVISION Approved by District Supervisor: Title: Environmental Regulatory Agent Approval Date: Expiration Date: F-mail Address: boba@vatespetroleum.com							
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. Signature: District Supervisor: Title: Environmental Regulatory Agent Approval Date: Expiration Date: F-mail Address: boba@vatespetroleum.com							
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. Signature: District Supervisor: Title: Environmental Regulatory Agent Approval Date: Expiration Date: F-mail Address: boba@vatespetroleum.com	An approximate area of 20' X 10'. Vacuum truck called, picked up all pr	oduced water. Impacted soils excava	ted and being taken to an NMOCD				
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.  Signature: OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Title: Environmental Regulatory Agent Approval Date: Expiration Date: F-mail Address: boba@yatespetroleum.com	approved facility. Initial vertical/horizontal delineation samples within the impacted area will be analyzed for TPH/BTEX (Chlorides for reference).						
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. Signature: Printed Name: Robert Asher Title: Environmental Regulatory Agent Approval Date: Expiration Date: Expiration Date: Expiration Date: Expiration Date: Expiration Date: Conditions of Approval:							
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.         Signature:       OIL CONSERVATION DIVISION         Printed Name: Robert Asher       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:       Expiration Date:         F-mail Address: boba@yatespetroleum.com       Conditions of Approval:       —							
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.         Signature:       OIL CONSERVATION DIVISION         Printed Name: Robert Asher       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:       Expiration Date:         F-mail Address: boba@vatespetroleum.com       Conditions of Approval:       —							
regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Signature: Printed Name: Robert Asher Title: Environmental Regulatory Agent E-mail Address: boba@vatespetroleum.com Conditions of Approval:							
public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.          Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:         E-mail Address: boba@yatespetroleum.com       Conditions of Approval:	I hereby certify that the information given above is true and complete to t	he best of my knowledge and underst	and that pursuant to NMOCD rules and				
public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.          Signature:       OIL CONSERVATION DIVISION         Signature:       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:         E-mail Address: boba@yatespetroleum.com       Conditions of Approval:	regulations all operators are required to report and/or file certain release n	otifications and perform corrective ad	ctions for releases which may endanger				
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:       OIL CONSERVATION DIVISION         Printed Name: Robert Asher       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:       Expiration Date:         F-mail Address: boba@vatespetroleum.com       Conditions of Approval:       —	public health or the environment. The acceptance of a C-141 report by th	e NMOCD marked as "Final Report"	does not relieve the operator of liability				
federal, state, or local laws and/or regulations.         OIL CONSERVATION DIVISION         Signature:       OIL CONSERVATION DIVISION         Printed Name: Robert Asher       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:       Expiration Date:         E-mail Address: boba@vatespetroleum.com       Conditions of Approval:       Expiration Date:	should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to	ground water, surface water, human health				
federal, state, or local laws and/or regulations.         OIL CONSERVATION DIVISION         Signature:       OIL CONSERVATION DIVISION         Printed Name: Robert Asher       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:       Expiration Date:         E-mail Address: boba@vatespetroleum.com       Conditions of Approval:       Expiration Date:	or the environment. In addition, NMOCD acceptance of a C-141 report of	loes not relieve the operator of respon	sibility for compliance with any other				
Signature:       Approved by District Supervisor:         Printed Name: Robert Asher       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:         E-mail Address: boba@vatespetroleum.com       Conditions of Approval:			· · · · · · · · · · · · · · · · · · ·				
Signature:       Approved by District Supervisor:         Printed Name: Robert Asher       Approved by District Supervisor:         Title: Environmental Regulatory Agent       Approval Date:         E-mail Address: boba@vatespetroleum.com       Conditions of Approval:	OIL CONSERVATION DIVISION						
Printed Name: Robert Asher     Approved by District Supervisor:       Title: Environmental Regulatory Agent     Approval Date:       E-mail Address: boba@vatespetroleum.com     Conditions of Approval:							
Printed Name: Robert Asher     Approved by District Supervisor:       Title: Environmental Regulatory Agent     Approval Date:       E-mail Address: boba@vatespetroleum.com     Conditions of Approval:	Signature:						
Printed Name: Robert Asher     Approval Date:       Title: Environmental Regulatory Agent     Approval Date:       E-mail Address: boba@vatespetroleum.com     Conditions of Approval:		Approved by District Supervisor					
E-mail Address: boba@vatespetroleum.com Conditions of Approval:	Printed Name: Robert Asher	Approved by District Supervisor.					
E-mail Address: boba@vatespetroleum.com Conditions of Approval:	Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:				
E-mail Address: boba@yatespetroleum.com Conditions of Approval:		rippiotal Date.					
	E-mail Address: hoba@vatespetroleum.com	Conditions of Approval:					
Attached		conditions of Approval.	Attached				
Date: Wednesday, June 06, 2012 Phone: 575-748-4217 1RP-	Date: Wednesday, June 06, 2012 Phone: 575-748-4217	1RP-					

\* Attach Additional Sheets If Necessary

iterase	1400		cau	
	ŭ	0	PEI	RA
0.0	TTT			



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

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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

#### Analytical Report Lab Order 1205516 Date Reported: 5/18/2012

Analyst: NSB

Analyst: NSB

5/16/2012 2:39:16 PM

## Hall Environmental Analysis Laboratory, Inc.

**EPA METHOD 8015B: GASOLINE RANGE** 

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

CLIENT: Yates Petroleum			Client Sample	ID: Comp-(	01.0
Project: Vince BGH #1			<b>Collection D</b>	ate: 5/10/20	12 10:18:00 AM
Lab ID: 1205516-001	Matrix: S	SOIL	Received D	ate: 5/11/20	12 9:15:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE 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

4.8

69.7-121

0.048

0.048

0.048

0.097

80-120

mg/Kg

%REC

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%REC

1

1

1

1

1

1

1

ND

105

ND

ND

ND

ND

93.6

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

#### **Analytical Report** Lab Order 1205516 Date Reported: 5/18/2012

### Hall Environmental Analysis Laboratory, Inc.

#### **CLIENT:** Yates Petroleum Client Sample ID: Comp-02.0 Vince BGH #1 **Project:** Collection Date: 5/10/2012 10:33:00 AM 1205516-002 Matrix: SOIL Received Date: 5/11/2012 9:15:00 AM Lab ID: Analyses Result **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015B: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 Surr: DNOP 104 82.1-121 %REC 1

ND

ND

92.3

#### Qualifiers:

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

- \*/X Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range J
- Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Analyst: JMP 5/16/2012 1:49:46 PM 5/16/2012 1:49:46 PM **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 5.1 mg/Kg 1 5/16/2012 3:08:01 PM Surr: BFB %REC 103 69.7-121 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

0.051

0.10

80-120

mg/Kg

mg/Kg

%REC

1

1

1

5/16/2012 3:08:01 PM

5/16/2012 3:08:01 PM

5/16/2012 3:08:01 PM

#### **Analytical Report** Lab Order 1205516 Date Reported: 5/18/2012

### Hall Environmental Analysis Laboratory, Inc.

#### Client Sample ID: Comp-03.0 **Project:** Vince BGH #1 Collection Date: 5/10/2012 10:41:00 AM 1205516-003 Lab ID: Matrix: SOIL Received Date: 5/11/2012 9:15:00 AM Analyses Result **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015B: DIESEL RANGE ORGANICS Analyst: JMP Diesel Range Organics (DRO) ND 10 mg/Kg 1 5/16/2012 2:14:54 PM Surr: DNOP 94.3 82.1-121 %REC 1 5/16/2012 2:14:54 PM **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.8 mg/Kg 1 5/16/2012 3:36:46 PM Surr: BFB 105 69.7-121 %REC 1 5/16/2012 3:36:46 PM EPA METHOD 8021B: VOLATILES Analyst: NSB

0.096

80-120

mg/Kg

%REC

1

1

5/16/2012 3:36:46 PM

5/16/2012 3:36:46 PM

#### Qualifiers:

Xylenes, Total

Surr: 4-Bromofluorobenzene

- \*/X Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

**CLIENT:** Yates Petroleum 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

ND

94.4

# HALL ENVIRONMENTAL ANALYSIS LABORATORY

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	it Name:	Yates/Retrol	eum Corporatio	n	Wo	ork Ord	er N	umb	er: 1.	20551	6			
Rece	eived by/date	· AK	12.42	05/11/1Z										
Logg	ed By:	Lindsay Mar	ngin	05/11/2 5/11/2012 9:15:	00 AM			l	Freedy	Hlago Hlago				
Com	pleted By:	Lindsay Mar	ngin	5/11/2012 9:52:	40 AM			,	Freely	Happo				
Revie	ewed By: ⊐	to osly	(A)					t		Ŷ				
Chai	in of Cust	tody								•				
1. '	Were seals	intact?				Yes	1 2	No	2	Not	Present	<b>v</b>		
2.	Is Chain of (	Custody compl	ete?			Yes		No	8.8	Not	Present			
3.	How was the	e sample delive	ered?			FedE:	X							
Log	<u>In</u>													
4.	Coolers are	present? (see	19. for cooler sp	ecific information	)	Yes	~	No			NA			
5.	Was an atte	mpt made to c	ool the samples	?		Yes	V	No	1		NA			
6.	Were all sar	nples received	l at a temperatur	re of >0° C to 6.0	°C	Yes	<b>V</b> i	No	1		NA	(included)		
7.	Sample(s) ii	n proper contai	iner(s)?			Yes		No	e E E					
8.	Sufficient sa	ample volume f	for indicated test	:(s)?		Yes	$\checkmark$	No	a - 1)					
9.	Are sample:	s (except VOA	and ONG) prop	erly preserved?		Yes	V	No	1					
10.	Was preser	vative added to	bottles?			Yes	· [	No	V		NA			
11.	VOA vials h	ave zero head	space?			Yes	; •	No	: :	No V(	OA Vials	~		
12.	Were any s	ample containe	ers received brol	ken?		Yes		No		1				
13.		work match bo epancies on ch	ttle labels? ain of custody)			Yes	~	No	i r	1	# of pres bottles of for pH:			
14.	Are matrice	s correctly ide	ntified on Chain	of Custody?		Yes	~	No	i.	28 31		(<2	or >12 unless	noted)
15.	Is it clear w	hat analyses w	vere requested?			Yes	✓.	No		8	Ac	ljusted?		
16.		Iding times abl				Yes	V	No			Ch	ecked by:		
Spe	cial Hano	lling (if app	licable)							i	Q.I.	uched by:		
No.			iscrepancies wit	h this order?		Yes	ł	No	;		NA	~		
	Perso	n Notified:			Date:				32811.01.0/L	<u>interitiensis</u>	24			
	By Wł				Via:	' eMa	il :	P	none	Fa	ax In	Person		
	Regar						in constants	0.00000						
	0	Instructions:		and an a second seco		174 STY AND STAT	in the Lore	i Armanana					24.3472*	
18.	Additional r	emarks:				ħ.								
19	Cooler Info	ormation												
10.	Cooler N	lo Temp °C		Seal Intact Seal	No S	Seal Da	ite		Signe	ed By			3	
	1	4.3	Good Y	es :				4						

	Artesia, NM 88210 575-748-4217 boba@yatespetroleum.com Doba@yatespetroleum.com Dother Dother Dother Soli Comp-80-80-80-10 Soli Comp-84-8 02-10 Soli Comp-84-8 02-10 Soli Comp-84-8 02-10	Samp
	Sample Request ID     Container Type and #     Preservative Type       Competed D2:0     1 - 4oz.     1 - 4oz.       Competed D2:0     1 - 4oz.     1 - ee	Image     Matrix     Sample Request ID     Container     Preservative       18 AM     soil     Container     Preservative       18 AM     soil     Compete 20140     1 - 402.     Ice       18 AM     soil     Compete 20140     1 - 402.     Ice       18 AM     soil     Compete 201,0     1 - 402.     Ice       18 AM     soil     Compete 202,0     1 - 402.     Ice       18 AM     soil     Compete 202,0     1 - 402.     Ice       18 AM     soil     Compete 202,0     1 - 402.     Ice
etroleum.com etroleum.com et (Full Validation) et 4 (Full Validation) Et Alation Et Alation Et Alation Et Alatic Et Alatic	8-4217     30-025-37104       yatespetroleum.com     Project Manager: Robert Asher       □ Level 4 (Full Validation)     Sampler:       Sample Request ID     Sampler:       Sample Request ID     Type       Competer Signe     1-4oz.       Competer Signe     1-4oz.       Competer Signe     1-4oz.	575-748-4217     30-025-37104       boba@yatespetroleum.com     Project Manager: Robert Asher       I Level 4 (Full Validation)     Robert Asher       I Other     Sampler: Same       AM     Soil       Competed Soil     1-402.       AM     Soil       Competed Soil     1-402.       I AM     Soil       Competed Soil     1-402.       I AM     Soil       Competed Soil     1-402.       I AM     Soil       Competed Soil     1-402.
3210     Project #:       etroleum.com     Project Manag       etroleum.com     Project Manag       et (Full Validation)     Sampler:       nple Request ID     Container       Type and #       comp-60:3c10     1 - 4o2.       comp-04:6     02.1       comp-04:6     1 - 4o2.       comp-04:6     1 - 4o2.	y NIM 88210 B-4217 yatespetroleum.com □ Level 4 (Full Validation) □ Level 4 (Full Validation) Broject Manag Sampler: er Sampler: For the second of the second for	575-748-4217     Project Manag       boba@yatespetroleum.com     Project Manag       I Level 4 (Full Validation)     Project Manag       I Other     Sampler:       I Other     Sampler:       3 AM     Soil       Soil     Container       1 AM     Soil       1 AM     Soil       Soil     Competer-O3.O       1 AM     Soil       1 AM     Soil       Competer-O3.O     1-4oz.
3210 etroleum.com al 4 (Full Validation) ple Request ID comp-60:30/0 comp-04:6-03.0 comp-04:6-03.0	NIM 88210 8-4217 yatespetroleum.com Justespetroleum.com B-4217 yatespetroleum.com Justespetroleum.com Per Competer Barlon Competer A (Full Validation) Barlon Competer A (Full Validation) Competer A (Full Validation)	575-748-4217       boba@yatespetroleum.com       boba@yatespetroleum.com       □       □       □       □       0ther       □       0ther       3 AM       Soil       Comp-eet-O2,0       1 AM       Soil       Comp-ette-O2,0       1 AM
	Samp Samp	575-748-4217 boba@yatespetr □ Level - □ Other 8 AM Soil 3 AM Soil 1 AM Soil
		575-74 boba@ boba@ B AM Soil 3 AM Soil 1 AM Soil

# HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

OrderNo.: 1205516

Dear Robert Asher:

RE: Vince BGH #1

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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

<b>Analytical Report</b>
Lab Order 1205516
Date Reported: 5/18/2012

	No. of the Association of the As				
CLIENT: Yates Petroleum			Client Sample	e ID: Comp-	-01.0
<b>Project:</b> Vince BGH #1			<b>Collection</b> I	Date: 5/10/2	012 10:18:00 AM
Lab ID: 1205516-001	Matrix: S	OIL	Received I	Date: 5/11/2	012 9:15:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: BRN
Chloride	1,700	75	mg/Kg	50	5/16/2012 9:58:09 AM

# Hall Environmental Analysis Laboratory, Inc.

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

<b>Analytical Report</b>
Lab Order 1205516
Date Reported: 5/18/2012

Hall Environmental Anal	ysis Laborat	ory, Inc.			te Reported: 5/18/2012				
CLIENT: Yates Petroleum		(	Client Sample	ID: Comp-	-02.0				
<b>Project:</b> Vince BGH #1			Collection D	ate: 5/10/2	012 10:33:00 AM				
Lab ID: 1205516-002	Matrix: S	OIL	Received D	ate: 5/11/2	012 9:15:00 AM				
Analyses	Result	RL Qual	Units	DF	Date Analyzed				
EPA METHOD 300.0: ANIONS					Analyst: BRM				
Chloride	1,300	75	mg/Kg	50	5/16/2012 11:25:03 AM				

#### Qualifiers:

- \*/X Value exceeds Maximum Contaminant Level. Е Value above quantitation range
- J
- Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Hall Environmental Analy	ysis Laborat	ory, Inc.			0 Order 1205516 e Reported: 5/18/2012
CLIENT: Yates Petroleum			Client Sample	ID: Comp-	03.0
<b>Project:</b> Vince BGH #1			<b>Collection D</b>	ate: 5/10/20	012 10:41:00 AM
Lab ID: 1205516-003	Matrix: S	OIL	Received D	ate: 5/11/20	012 9:15:00 AM
Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: BRM
Chloride	1,900	75	mg/Kg	50	5/16/2012 11:37:27 AM

Qualifiers:

- \*/X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

**Analytical Report** 

- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

	HALL
	ENVIRONMENTAL
	ANALYSIS
5	LABORATORY

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

						ويست الشنعاء			All and a second second		No.
Client	Name:	Yates/Retro	leum Corporatio	n	Wo	rk Ord	er N	umb	er. 1	205516	
Receiv	ved by/date	- AK	••••• <b>`</b>	05/11/12							
Logge	ed By:	Lindsay Ma	ngin	5/11/2012 9:15:	:00 AM				Frendry	Hlago	
Comp	leted By:	Lindsay Ma	ngin	5/11/2012 9:52	40 AM				Freedy	y mayo	
Review	wed By: 🞞	to osly	ho								
Chair	n of Cust	/									
	Vere seals i					Yes		No	33	Not Present 🗸	
2. Is	s Chain of C	ustody comp	lete?			Yes	¥	No		Not Present	
З. Н	low was the	sample deliv	ered?			FedE:	x				
Log I	<u>n</u>										
4. C	Coolers are	present? (see	19. for cooler sp	ecific information	)	Yes	V	No	:	NA	
5. V	Vas an atter	mpt made to o	cool the samples	?		Yes	V	No	1	NA	
6. V	Vere all san	nples received	d at a temperatur	e of >0° C to 6.0	°C	Yes	Vi	No	i.	NA	
7. S	Sample(s) in	proper conta	liner(s)?			Yes		No			
8. S	Sufficient sa	mple volume	for indicated test	(s)?		Yes	V	No	4 I.		
9. A	Are samples	(except VOA	and ONG) prope	erly preserved?		Yes		No			
10. V	Vas preserv	ative added t	o bottles?			Yes	e į	No	V	NA	
11. V	/OA vials ha	ave zero head	ispace?			Yes	į ·	No	1	No VOA Vials 🗸	
12. V	Vere any sa	imple contain	ers received brok	ken?		Yes	÷	No		1	
		work match bo pancies on ch	ottle labels? nain of custody)			Yes	~	No	i "	# of preserved bottles checked for pH:	
14. A	Are matrices	s correctly ide	ntified on Chain o	of Custody?		Yes	~	No	2 È	(<2 or >12 unless noted)	ĺ
15, 1	s it clear wh	iat analyses v	vere requested?			Yes	٧.	No		Adjusted?	
		ding times ab customer for	le to be met? authorization.)			Yes	✓	No		Observation	
107		ling (if app								Checked by:	
			liscrepancies with	n this order?		Yes	1	No	ŀ	NA 💉	
;	Person	Notified:		77 CE 2014 Sectored Exception Andrew	Date:					Notice (Specific Transfer	
	By Wh			04/64/07/00 / 10 / 10 / 10 / 10 / 10 / 10 / 1	1	eMai	il :	: PI	hone	Fax In Person	
	Regard	1			via. ,	Civiai			lone		
		nstructions:			AN AVERAGE AND A CONTRACT OF A CASE		mittiu ilattai	State Car	******		
18. 4	Additional re	emarks:				8				6	
19. <u>9</u>	Cooler Info						. 1007	ī			
	Cooler No 1	<u>o Temp ⁰C</u> 4.3	Condition S Good Ye	Seal Intact Sea		eal Da	te		Signe	ed By	

N.	RY		ţ,	4					4		./ <sup></sup> 이거거가 전 전						   					v ALL	×
HALLENVIRONMENTAL	LABORATORY		- Albuquerque, NM 87109	107						(YO)	/-ime2) 0728	<u>.</u>										Remarks: Please put Chlorides on separate report. Please show ALL results as mg/kg. Thank you.	21141
Z	Õ	www.hallenvironmental.com	WN	505-345-4107							(AOV) 80828			_		 1						Ort. PI	381
Q		ental	due,	05-34	Analysis Request		S,	BOG	8082		8081 Pesticio						 -			$\vdash$	_	rate report.	100
VTE	S	uuu	Iduer	Fax 5	Rec	(	*OS	"Oc	1'ZON'	ON'	ID, F) snoinA	×	x	×			 -		:			aparal	0
Z	SI S	envir	Albt	ιĽ	Ilysis	4		<sup>2</sup>		SJE	RCRA 8 Met										$\neg$	suo	D I
	9	v.hal	ЧЩ	975	Ana				(н	A9 1	IO ANG) 0128						 					you.	
V	ANALYSIS	MM	cins <b>h</b>	45-3						_	EDB (Method											hank t	- And
			4901 Hawkins NE	Tel. 505-345-3975				•			TPH (Method					. с <sup>.4</sup>						kg. Thank	J D E
8	1		901	Tel. 5							TPH Method	×	×	×	•	•						s mg/	1 St
			4	•		`		2	2		8TM + X3T8 8TM + X3T8	×	×	×								Remarks: Please put Chloride results as mg/kg. Thank you. インシット ニューティーン	SAUR
						-									:				:			<mark>8 ≊</mark> √	
											1997 - 1997 1997 - 1997 1997 - 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 1997 - 1997	100-	-002	-003		• • • *						Date Time	Date Time
ing lime:	🗆 Rush		Vince BGH #1	3 (4) 1	30-025-37104	ger:	Robert Asher		Same		Preservative Type	lce	lce	lce								A A	
I Urn-Around	X Standard	Project Name:		Project #:		Project Manager:	8		Sampler:	(1997) (S. 1997) (S. 2017) (S. 1997)	Container Type and #	1 - 4oz.	1 - 4oz.	1 - 4oz.					-			Received by	Received by: / 1
Chain-of-Custody Record	Yates Petroleum Corporation		105 S. Fourth Street	Artesia, NM 88210	8-4217	boba@yatespetroleum.com		Level 4 (Full Validation)			Sample Request ID	Comp <del>-00:20110</del>	Comp 01.0 02.0	Comp-01.5-03,0					-			C. C.	
sno-1	troleum		105 S.	Artesia	575-748-4217	boba@			□ Other		Matrix	Soil	Soil	Soil								Relinquished by	Relinquished by:
ain-oi	Yates Pe		ress:			¥:	age:	7	:4	pe)	Time	10:18 AM	10:33 AM	10:41 AM								Time: 2:55 PM	Time:
-CP	Client:	r j	Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	X Standard	Accreditation:	□ EDD (Type)	Date	5/10/2012	5/10/2012	5/10/2012					-			Date: T 5/10/2012	Date: