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

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Released to Imaging: 9/21/2021 8:57:37 AM

Incident ID	NGRL1209339294
District RP	1RP-2792
Facility ID	
Application ID	

Release Notification

Responsible Party

				•		
Responsible	Party EOG	Resources, Inc	.	OGRID 7;	² 377	
Contact Name Chase Settle		Contact To	Telephone 575-748-1471			
Contact email Chase_Settle@eogresources.com			# (assigned by OCD) NGRL1209339294			
Contact mail	ing address	104 S. 4th Str	eet, Artesia, N	IM 88210		
				of Release Se	Source	
Latitude 33.	44253			Longitude	-103.42887	
-			(NAD 83 in dec	imal degrees to 5 decin		
Site Name N	1erle State U	Init #3		Site Type	Well	_
Date Release	Discovered	07/18/2011		API# 30-02)25-37545	
Unit Letter	Section	Township	Range	Coun	nty	
P	14	10Wilship 10S	34E	Lea		
	1-1	103	J-1.			
Surface Owner	r: X State	☐ Federal ☐ Tr	ibal 🗌 Private (Λ	Jame:)	
			Nature and	Volume of I	Release	
	Material	I(s) Released (Select al	that apply and attach	calculations or specific	c justification for the volumes provided below)	
X Crude Oil		Volume Release		carculations of specific	Volume Recovered (bbls) 30	
Produced Water Volume Released (bbls) 10			Volume Recovered (bbls) 0	_		
Is the concentration of dissolved chloride in the		X Yes No				
Condensa	produced water >10,000 mg/l? Volume Released (bbls)		Volume Recovered (bbls)			
☐ Natural G			Volume Recovered (Mcf)			
Other (de:	scribe)		Released (provide	units)	Volume/Weight Recovered (provide units)	
	 ,		(p. 0 1140	,	(provide units)	
Cause of Rele	ease Pleas	e refer to the atta	ched original C-14:	1 form for 1RP-279	 '92 for cause of release and immediate action steps. EOO	G

Resources is submitting for closure via the new form to formally close out this incident. All sampling and

correspondence is also attached.

Received by OCD: 9/20/2021 3:50:47 PM

State of New Mexico Oil Conservation Division

Incident ID	NGRL1209339294
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ✓ Yes ☐ No	If YES, for what reason(s) does the response Greater than 25 barrels of fluid	onsible party consider this a major release? released.		
	otice given to the OCD? By whom? To w to Maxey Brown, 07/19/2011 by	hom? When and by what means (phone, email, etc)? email.		
	Initial R	esponse		
The responsible	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury		
☐ The impacted area ha☐ Released materials ha	The impacted area has been secured to protect human health and the environment. Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.			
		emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred		
within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name: Chase S		Title: Rep Safety & Environmental Sr		
Signature: Than	ettle	Date: 09/20/2021		
email: Chase_Settle	@eogresources.com	Telephone: 575-748-1471		
OCD Only				
Received by:		Date:		

State of New Mexico Oil Conservation Division

Incident ID	NGRL1209339294
District RP	Type text here
Facility ID	
Application ID	

Released to Imaging: 9/21/2021 8:57:37 AM

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?(ft b				
Did this release impact groundwater or surface water?	☐ Yes ☐ No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No			
Did the release impact areas not on an exploration, development, production, or storage site?	Yes No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
 □ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. □ Field data □ Data table of soil contaminant concentration data □ Depth to water determination □ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release □ Boring or excavation logs □ Photographs including date and GIS information 				
☐ Topographic/Aerial maps ☐ Laboratory data including chain of custody				

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



Form C-141 Page 4

State of New Mexico Oil Conservation Division

Incident ID	NGRL1209339294
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name:	Title:	
Signature:	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	

State of New Mexico Oil Conservation Division

Incident ID	NGRL1209339294
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	pe included in the plan.		
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 			
Deferral Requests Only: Each of the following items must be co	refirmed as part of any vacuast for defensal of remadiation		
Deterral Requests Only: Each of the following tiems must be co	nfirmed as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility		
Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.		
I hereby certify that the information given above is true and complerules and regulations all operators are required to report and/or file which may endanger public health or the environment. The accept liability should their operations have failed to adequately investigat surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of		
Printed Name:	Title:		
Signature:	Date:		
email:	Telephone:		
OCD Only			
Received by:	Date:		
Approved	Approval Denied Deferral Approved		
Signature:	Date:		

State of New Mexico Oil Conservation Division

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

Incident ID	NGRL1209339294
District RP	1RP-2792
Facility ID	
Application ID	

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Closure

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

A scaled site and sampling diagram as described in 19.15.29.	.11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	OC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance o should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr
Printed Name: Chase Settle Signature: Signature:	Date: 09/20/2021
email: Chase_Settle@eogresources.com	
OCD O-1-	
OCD Only	
Received by:	Date:
remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	
Closure Approved by: Bradford Bill Printed Name: Bradford Billings	lings Date: 09/21/2021
Printed Name: Bradford Billings	Title: Envi.Spec.A

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88219AUG 0 2 2011

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S St Francis Dr., Santa Fe, NM 87505 RECEIVED

HOBBS OCD State of New Mexico

Energy Minerals and Natural Resources

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

Form C-141 Revised October 10, 2003

Released to Imaging: 9/21/2021 8:57:37 AM

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

****	1								<u> </u>			
	,		Rele	ease Notific	catio	on and Co	orrective A	ction	ı			
	•			0	PER	ATOR			🛛 Initia	l Report		Final Report
Name of Co				OGRID Nu	mber	Contact	•					The state of the s
Yates Petro	leum Corp	oration		25575		Jeremy Haass						
Address 104 S. 4 TH	0					Telephone No.						
Facility Na				API Number		575-748-14 Facility Typ						
Merle State				30-025-3754		Well)C					•
IVICITO Otato	Omens											
Surface Ow	ner e			Mineral (Owner				Lease 1			
State				State					VA-19	44		
				LOCA	ATIC	ON OF RELEASE					•	
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line						
р	14	108	34E	990		South	990		East	Lea		
I		l	L	Latitude 33.4	44253	Longitude	e_103.42887					· · · · · · · · · · · · · · · · · · ·
				NAT	CURE	E OF REL	EASE					
Type of Release Crude Oil & Produced Water							Volume of Release					
Source of Release							Your of Occurrence	е		Hour of Di	scover	v
Heater Treater					7/18/2011	AM		7/18/2011				
Was Immediate Notice Given?					If YES, To Whom? Maxey Brown, NMOCD							
							•					
By Whom? Robert Asher, Yates Petroleum Corporation						Date and H	lour AM (email)					
Was a Watercourse Reached?						olume Impacting th	he Wate	rcourse				
☐ Yes ⊠ No					N/A							
If a Watercourse was Impacted, Describe Fully.* N/A												ŀ
Describe Cause of Problem and Remedial Action Taken.* Hole in the Fire Tube in the North Heater Treater Isolated Heater Treat						er.						
An approxim NMOCD app TPH & BTEX work plan wi	atc area of l proved facili X are under II be submit	ity. Vertical a RRAL's a Fir ited Depth to	l on well p nd horizon nal Report o Ground	oad. Vacuum truc ntal delineation sa , C-141 will be su Water: 50-99' (a	amples ibmitte approx	will be taken a d to the OCD i imately 50', S	maining oil, impac main analysis ran fo requesting closure. lection 14-T10S-R TE RANKING IS	r TPH o . If the 134E, p	& BTEX. I	If initial and results are a	alytical above t	results for he RRAL's a
regulations al public health should their c	I operators or the environment. In a	are required to onment The ave failed to a ddition, NMO	report ar acceptance dequately CD accep	nd/or file certain r ce of a C-141 repo investigate and r	elease of ort by the emedia	notifications ar ne NMOCD ma te contamination	knowledge and ur nd perform correct arked as "Final Re on that pose a thre e the operator of re	ive acti port" d at to gr	ons for rele oes not reli ound water	eases which eve the ope , surface w	may e rator o ater, hu	ndanger f liability iman health
	~ ~		,				OIL CONS	ERV	ATION	DIVISIO	NC	
Signature:	<u> </u>	11:55							4102	112		
Printed Name	: Jeremy Ha	nass —				Approved by	District Superviso	r:		ed for R	econ	d Only
Title Enviro			t			Approval Date	e:		Expiration I			
E-mail Addre	ss jhaass@	yatespetroleu	m.com			Conditions of	Approval:			Attached		
			n!	. EGE GAR 14G.		200				1		-7707
Date Friday, Attach Addit	July 29, 20 ional Shee	ts If Necess		: 575-748-1471	l.	2RP-				TIKE- 1	14	-2792]
Auach Mudit	ionai Siiee	11 1466688	11 Y							•	APR	O Y LUIC

Bob Asher

From:

Bob Asher

Sent:

Monday, October 13, 2014 1:58 PM

To:

(tomas.oberding@state.nm.us)

Subject:

Closure Request (Merle State Unit #3)

Attachments:

Merle State Unit 3 Final.zip

Doc,

Attached, please find the Final C-141, submitted 1/25/2012 with enclosed sample diagram and analytical results. Impacted soils were excavated and delineation samples taken, based on that the Final C-141, and supporting documentation was submitted. Verbal approval to backfill was granted by Geoff Leking on or around 2/17/2012 but only the Initial C-141 was scanned on OCD Online. The RP Number assigned to this release was 1RP-2792.

Thank you for your time reviewing these documents and if there is anyhing further you need, please contact me.

Robert Asher

NM Environmental Regulatory Supervisor

Yates Petroleum Corporation

105 S. 4th Street Artesia, NM 88210 575-748-4217 (Office) 575-365-4021 (Cell)

Jeremy Haass

From:

Jeremy Haass

Sent:

Monday, March 04, 2013 2:24 PM

To:

Geoffery Leking (geoffreyr.leking@state.nm.us) Bob Asher; Katie Parker; Lisa Norton; E. L. Gonzales (elidiol.gonzales@state.nm.us)

Cc: Subject:

OCD Online Signed Final C-141s

Mr. Leking this email is in response to the fact that I have just checked OCD online and cannot find signed Final C-141s for the following releases. This could very well be my own fault. If they are already online could you tell me how to find and retrieve the PDFs, it would be greatly appreciated.

Lotus 'ALT' State #3

API # 30-025-36005

Closure report hand delivered on 100/12//11

Merle State Unit #3

API # 30-025-37545

Closure report emailed on 10/20/21

Messina 'BHM' Com #1

API # 30-025-37468

Closure report emailed on 12/23/30

I realize that you are a very busy man, but I am in urgent need to close the above releases. Thank you for your time and looking forward to your response.

Jeremy Haass

New Mexico Air Permit Specialist Yates Petroleum Corporation Office: (575) 748-4311

Fax: (575) 748-4131 Cell: (575 513-9235

Jeremy Haass

From:

Jeremy Haass

Sent:

Monday, April 22, 2013 10:29 AM

To:

Geoffery Leking (geoffreyr.leking@state.nm.us)

Cc:

Bob Asher; Katie Parker

Subject:

Hobbs Spill Status

Geoffery this is just an email confirming that we just spoke over the phone concerning the status of the following spills.

Sombrero 'MS' State #1 Lotus 'ALT' Unit #3 Merle State Unit #3 Messina 'BHM' Com #1

Thanks for your time I know you are swamped.

Jeremy Haass

New Mexico Air Permit Specialist **Yates Petroleum Corporation**

Office: (575) 748-4311 Fax: (575) 748-4131 Cell: (575 513-9235

Jeremy Haass

From:

Leking, Geoffrey R, EMNRD < Geoffrey R. Leking@state.nm.us>

Sent:

Friday, February 17, 2012 9:32 AM

To:

Jeremy Haass

Subject:

RE: Lea County Spills

Jeremy

1) Messina - Go ahead and back fill

2) Lotus State #3 - Define vertical extent of chlorides. Remove or clay line. This is what we are doing at other projects even when ground water is over 300 feet deep.

3) Red Hat - Define vertical extent of chlorides. Remove or clay line. This is what we are doing at other projects even when ground water is over 300 feet deep.

4) Merle State #3 – It was already agreed that this site could be backfilled.

Let me know if you have any further questions. Thank you.

Geoffrey Leking **Environmental Specialist NMOCD-Hobbs** 1625 N. French Drive Hobbs, NM 88240

Office: (575) 393-6161 Ext. 113

Cell: (575) 399-2990

email: geoffreyr.leking@state.nm.us

From: Jeremy Haass [mailto:Jhaass@yatespetroleum.com]

Sent: Tuesday, February 14, 2012 3:05 PM

To: Leking, Geoffrey R, EMNRD Subject: RE: Lea County Spills

I'm checking back in on the approvals I'm waiting for. Thanks for your time.

From: Leking, Geoffrey R, EMNRD [mailto:GeoffreyR.Leking@state.nm.us]

Sent: Monday, February 06, 2012 8:56 AM

To: Jeremy Haass

Subject: RE: Lea County Spills

Jeremy

I'll have something for you on Wednesday. Sorry for the wait. Thank you.

Geoffrey Leking Environmental Specialist NMOCD-Hobbs 1625 N. French Drive Hobbs, NM 88240

Office: (575) 393-6161 Ext. 113

Cell: (575) 399-2990

email: geoffreyr.leking@state.nm.us

From: Jeremy Haass [mailto:Jhaass@yatespetroleum.com]

Sent: Monday, February 06, 2012 8:45 AM

To: Leking, Geoffrey R, EMNRD Subject: Lea County Spills

Hey Geoffery just checking in on the spills that we met over. I have Production all over me to get the excavations closed on these because of the hazard to the pumpers. Looking forward to hearing from you as soon as possible so I can take care of these locations. The following list is all the locations we discussed during our meeting at your office.

Merle State Unit #3 Messina 'BHM' Com #1 Lotus 'ALT' State #3 Red Hat State SWD #1

Thank you!!!

Jeremy Haass **Environmental Regulatory Agent** Yates Petroleum Corp. 105 South 4th St. Artesia New Mexico 575-748-4311 (Office) 575-513-9235 (Cell) 575-748-4131 (Fax)

Jeremy Haass

From:

Leking, Geoffrey R, EMNRD < Geoffrey R. Leking@state.nm.us>

Sent:

Friday, December 09, 2011 11:35 AM

To:

Jeremy Haass

Subject:

RE: Lea County Spills

Jeremy

Comparison of the Lotus 'ALT" State #3 site to other sites of a similar nature indicate that:

Delineation of chlorides should be performed until the 250 ppm threshold is reached. Remediate chloride contamination to between 1000 and 2000 ppm .

Comparison of the Merle State Unit #3 to other sites of a similar nature indicate that:

Due to the shallow depth of ground water, contamination should be delineated and remediated to 100 ppm of Total GRO and DRO TPH.

I am still working on the Red Hat.

Please contact me if you have any questions.

Thank you.

Geoffrey Leking Environmental Specialist NMOCD-Hobbs 1625 N. French Drive Hobbs, NM 88240

Office: (575) 393-6161 Ext. 113

Cell: (575) 399-2990

email: geoffreyr.leking@state.nm.us

From: Jeremy Haass [mailto:Jhaass@yatespetroleum.com]

Sent: Monday, October 31, 2011 9:39 AM

To: Leking, Geoffrey R, EMNRD **Cc:** Bob Asher; Jerry Fanning **Subject:** Lea County Spills

Geoffrey,

I'm checking in on the status of the following wells.

Red Hat State SWD #1 - Mailed Initial C-141 to Maxey Brown on 7/11/11

API # 30-025-31110 Emailed Maxey Brown a request for closure on 9/1/11

Lotus 'ALT' State #3 API # 30-025-36005 - Mailed Initial C-141 to Maxey Brown on 8/18/11 Hand delivered a request for closure on 10/12/11

Merle State Unit #3 API # 30-025-37545 - Mailed Initial C-141 to Maxey Brown on 8/1/11 Emailed you a request for closure on 10/24/11

I know that the Hobbs OCD is extremely over loaded with work and I understand it takes awhile for this process to unfold. The reason I'm checking in on these releases is because all three releases happened on location and the excavation sites affect the work area and impose a safety risk for Yates employees.

Thanks for your time I look forward to hearing from you.

Jeremy Haass **Environmental Regulatory Agent** Yates Petroleum Corp. 105 South 4th St. Artesia New Mexico 575-748-4311 (Office) 575-513-9235 (Cell) 575-748-4131 (Fax)

Released to Imaging: 9/21/2021 8:57:37 AM

Received by OCD: 9/20/2021 3:50:47 PM

Jeremy Haass

From:

Jeremy Haass

Sent:

Friday, October 21, 2011 11:53 AM

To:

'Leking, Geoffrey R, EMNRD'

Cc:

Bob Asher; Jerry Fanning

Subject: Requesting Closure for Merle State Unit #3

Geoffrey,

Attached are all analytical reports, a diagram of the spill with a break down of the results, and the C-141 Final requesting closure for the Merle State Unit #3. Based on the amount of oil recovered and all impacted soils having been dug up and hauled to an NMOCD approved facility, and the attached analytical results Yates Petroleum is requesting closure. With the spill encompassing the wellhead and the dig area being 3' deep for safety reasons I would appreciate it if I could get a quick response on this email so I can close the excavation site.

Thank you

Jeremy Haass **Environmental Regulatory Agent** Yates Petroleum Corp. 105 South 4th St. Artesia New Mexico 575-748-4311 (Office) 575-513-9235 (Cell) 575-748-4131 (Fax)

Date: Friday, October 21, 2011

* Attach Additional Sheets If Necessary

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

Release Notification and Corrective Action

OPERATOR

Form C-141 Revised October 10, 2003

Final Report

Released to Imaging: 9/21/2021 8:57:37 AM

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

☐ Initial Report

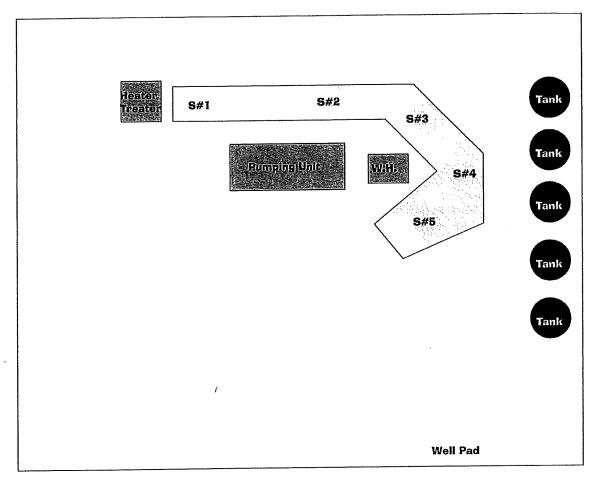
Name of Co				OGRID Nur	nber	Contact				
Yates Petro	leum Corp	oration		25575		Jeremy Haass				
Address	a					Telephone No.				
104 S. 4 TH S				ADT No. 1		575-748-1471 Facility Trans				
Facility Na				API Number	1	Facility Type				
Merle State	Unit #3			30-025-3754	.5	Well				
Surface Ow	ner			Mineral (Owner	Lease No.				
State				State					VA-19	14
				LOCA	ATIO	N OF RE	LEASE			
Unit Letter	Section	Township	Range	Feet from the	North	h/South Line	Feet from the	East/W	est Line	County
p	14	10S	34E	990		South	990	E	ast	Lea
	J	<u> </u>	<u> </u>	Latitude 33.4	44253	T.ongitud	e 103.42887	<u>f</u>		
						-				
Type of Rele	926			1123.1	UICE	E OF RELEASE Volume of Release Volume Recovered				
Crude Oil &		Vater				Volume of Release Volume Recovered 45 B/O 10 B/PW 30 B/O				
Source of Re							lour of Occurrence			Hour of Discovery
Heater Treater Was Immediate Notice Given?					7/18/2011			7/18/201	l AM	
Was Immediate Notice Given? Yes No Not Required If YES, To Whom? Maxey Brown, NMOCD										
By Whom? Date and Hour										
Robert Asher, Yates Petroleum Corporation							AM (email)			
Was a Watercourse Reached? ☐ Yes ☑ No If YES, Volume Impacting the Watercourse. N/A										
If a Watercourse was Impacted, Describe Fully.* N/A										
Describe Cause of Problem and Remedial Action Taken.* Hole in the Fire Tube in the North Heater Treater. Isolated Heater Treater.										
Describe Area Affected and Cleanup Action Taken.* An approximate area of 110' X 10' all on well ned. Vacuum truck called to nick up remaining oil impacted soils to be scraped up and taken to an										
An approximate area of 110' X 10', all on well pad. Vacuum truck called to pick up remaining oil, impacted soils to be scraped up and taken to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX, also Chloride delineation/resul								lso Chloride delineation/results		
in soils are er	closed for	documentation	n. If initia	l analytical result	s for T	PH & BTEX a	re under RRAL's	a Final F	Leport, C-	141 will be submitted to the
OCD request	ing closure.	Depth to G	ound Wa	ter: 50-99' (app	roxima	itely 50', Secti	ion 14-T10S-R34	E, per N	ew Mexic	o Chevron Texaco Trend
OCD requesting closure. Depth to Ground Water: 50-99' (approximately 50', Section 14-T10S-R34E, per New Mexico Chevron Texaco I Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10. Based on recovered amounts of							ecovered amounts of oil,			
impacted soils excavated/hauled and enclosed analytical results, 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										
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to	the best of my	knowledge and u	nderstand	that purs	muant to NMOCD rules and
regulations al	ll operators	are required to	o report an	d/or file certain r	elease	notifications as	nd perform correct	tive actic	ns for rel	eases which may endanger eve the operator of liability
public nealth	or the envii	ronment, Ine	acceptanc	e of a C-141 rept investigate and r	onedia	ite (NiviOCD ili ite contaminati	on that nose a thr	eporr do	und water	; surface water, human health
or the environ	peranons n	ddition NMC	CD accen	tance of a C-141	renort	does not reliev	e the operator of	responsib	ility for c	ompliance with any other
		vs and/or regu					F		,	-
,		`					OIL CON	SERVA	TION	DIVISION
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Printed Name	· Teremy H) aass				Approved by	District Supervise	or:		
Title: Enviror			+			Approval Dat	·e•	R.	xpiration 1	Date:
THE ENVIROR	micinal Ke	sulatory Agen							·piration	
E-mail Addre	ss: jhaass@	yatespetroleu	m.com			Conditions of	Approval:			Attached

2RP-

Phone: 575-748-1471









Merle State Unit #3

30-025-37545

Section 14, T10S-R34E

Lea County, NM

SAMPLE DIAGRAM(Not to Scale)

Xenco Laboratories# 426801 & 426802 Report Date: 9/08/2011

Prepared by Jeremy Haass Environmental Regulatory Agent

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Analytical Report- 429365 & 429366	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides.
Sample #2	10/6/2011	3'	.00236	ND	147	147	ND
Sample #3	10/6/2011	3'	ND	ND	60.9	60.9	ND
Sample #4	10/6/2011	3'	ND	ND	ND	ND	20.2
Sample #5	10/6/2011	3'	ND	ND	301	301	44.9

Site Ranking is Zero (10). Depth to Ground Water <100' (approx. 50', per Trend Map).

All results are ppm.Chlorides for documentation. S - Sample Points

Released: 10 B/PW & 45 B/O; Recovered: 0 B/PW & 30 B/O. Release Date: 7/18/2011

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Analytical Report- 426801 & 426802	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Sample #1	8/23/2011	1'	.0131	ND	407	407	46.3
Sample #2	8/23/2011	1'	.0587	103	2040	2140	ND
Sample #3	8/23/2011	1'	.117	150	4140	4290	41.8
Sample #4	8/23/2011	1'	.00608	20.9	1280	1300	427
Sample #5	8/23/2011	1'	.00671	17.9	1090	1110	3590

Site Ranking is Zero (10). Depth to Ground Water <100' (approx. 50', per Trend Map).

All results are ppm.Chlorides for documentation. S - Sample Points

Released: 10 B/PW & 45 B/O; Recovered: 0 B/PW & 30 B/O. Release Date: 7/18/2011

Analytical Report 429366

for

Yates Petroleum Corporation

Project Manager: Jeremy Haass

Merle State Unit #3

30-025-37545

19-OCT-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALII), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (BPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (BPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





19-OCT-11

Project Manager: Jeremy Haass Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 429366

Merle State Unit #3

Project Address: Lea County

Jeremy Haass:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 429366. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 429366 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron II

Odessa Laboratory Manager

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Yates Petroleum Corporation, Artesia, NM

Merle State Unit # 3

Samuelo Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sample # 2 Sample # 3 Sample # 4 Sample # 5	S	10-06-11 09:45	3 - 3 ft	429366-001
	S	10-06-11 10:00	3 - 3 ft	429366-002
	S	10-06-11 10:15	3 - 3 ft	429366-003
	S	10-06-11 10:30	3 - 3 ft	429366-004

CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Merle State Unit # 3

Project ID: Work Order Number: 429366

30-025-37545

Date Received: 10/12/2011

Report Date: 19-OCT-11

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Project Id: 30-025-37545 Contact: Jeremy Haass

Project Location: Lea County

Certificate of Analysis Summary 429366

Yates Petroleum Corporation, Artesia, NM

Project Name: Merle State Unit # 3

Date Received in Lab: Wed Oct-12-11 12:00 pm

Report Date: 19-OCT-11

Project Manager: Brent Barron II

	Lab Id:	429366-001	429366-002	429366-003	429366-004	
£ .	Field Id:	Sample # 2	Sample # 3	Sample # 4	Sample # 5	
Analysis Kequesied	Depth:	3-3 ft	3-3 ft	3-3 ft	3-3 ft	
	Matrix:	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Oct-06-11 09:45	Oct-06-11 10:00	Oct-06-11 10:15	Oct-06-11 10:30	
Anions by E300	Extracted:					
	Analyzed:	Oct-13-11 18:03	Oct-13-11 18:03	Oct-13-11 18:03	Oct-13-11 18:03	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		ND 4.30	ND 4.29	20.2 4.30	44.9 4.34	
Percent Moisture	Extracted:					
	Analyzed:	Oct-12-11 13:40	Oct-12-11 13:40	Oct-12-11 13:40	Oct-12-11 13:40	
	Units/RL:	% RL	%	% RL	% RL	
Percent Moisture		2.29 1.00	2.14 1.00	2.32 1.00	3.19 1.00	

Brent Barron II

Odessa Laboratory Manager Final 1.000

Page 5 of 11

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This analytical report, and the entite dark package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this manyfairt propt repressed the best judgment of XENOC Laboratonies. XENOC Laboratonics assumes no responsibility and natices no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.



Flagging Criteria

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

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

PQL Practical Quantitation Limit

MQL Method Quantitation Limit

LOO Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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BS / BSD Recoveries

Project ID: 30-025-37545

Project Name: Merle State Unit #3

Date Analyzed: 10/13/2011	Matrix: Solid
Prepared: 10/13/2011	Batch #: 1

Date Prepared:

Work Order #: 429366

Analyst: BRB

Batch #: 1	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	Blank Blank Spike Blank Blank Blk. Spk Control Control Spike Spike Spike Dup. RPD Limits Limits Flag Result %R %R %RPD SRPD SRPD	[D] [E] Result [F]	22.1 111 20.0 22.1 111 0 75-125 20
		Blank Spike Sample Result Added	€	<0.840
Lab Batch ID: 872301 Sample: 872301-1-BKS	Units: mg/kg	Anions by E300 San	Anolytes	Chloride

Final 1.000

Page 7 of 11

Relative Percent Difference RPD = 200*(C-F)/(C+F)]
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes



Chloride

Form 3 - MS Recoveries

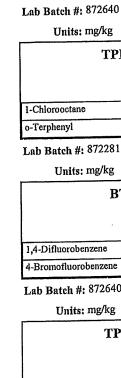


Project Name: Merle State Unit # 3 Project ID: 30-025-37545 Analyst: BRB

Laborator		Analysti
	Date Prepared: 10/13/2011	Matrix: Soil PECOVERY STUDY
Work Order #: 429366 Lab Batch #: 872301	Batch #: MAT!	Matrix: Soil RIX SPIKE RECOVERY STUDY Spiked Sample
Date Analyzed: 10/12/2005 S	Parent Spike	Result [D] %R %R
Reporting Units: mg/kg Inorganic Anions by EPA 30	Result [B]	98 75-125
Inorgan	8.66 100	Analyst; BRB

Analytes	8.66	Analyst: BRB
· · · · · · · · · · · · · · · · · · ·	Date Prepared: 10/13/2011	Matrix: Soil
. 4. 872301	Date Prepared Batch #: 1 Batch #: 1	Matrix: Soil RIX SPIKE RECOVERY STUDY Spiked Sample %R Control Limits %R
Lab Baten #: 0/13/2011 Date Analyzed: 10/13/2015		Result DI
	Parent Spike Sample Added Result [B]	[C] 75-125
Reporting Units: mg/kg Inorganic Anions by EPA 300	[A] 110	149 102
Analytes	36.7	- "

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference [E] = 200*(C-A)/(C+B)All Results are based on MDL and Validated for QC Purposes





Form 2 - Surrogate Recoveries

Project Name: Merle State Unit # 3

Work Orders: 429365,

Sample: 612867-1-BKS/BKS

Project ID: 30-025-37545

Matrix: Solid Batch:

Units: mg/kg Date Analyzed: 10/12/11 16:12	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chloroctane	80.8	100	81	70-135	
o-Terphenyl	41.3	50.0	83	70-135	

Matrix: Solid Sample: 612661-1-BKS / BKS Batch: Lab Batch #: 872281 SURROGATE RECOVERY STUDY Date Analyzed: 10/13/11 11:09 Units: mg/kg True Amount BTEX by EPA 8021B Flags Limits Recovery Amount Found %R [B] %R [A] [D] Analytes 80-120 97 0.0290 0.0300 1,4-Difluorobenzene 80-120 93 0.0278 0.0300 4-Bromofluorobenzene

Lab Batch #: 872640	Sample: 612867-1-BSD / B	SD Bate		atrix: Solid		
Units: mg/kg	Date Analyzed: 10/12/11 16:37	SU	RROGATI	E RECOVERY	STUDY	
ТРН І	By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		76.3	100	76	70-135	
o-Terphenyl		38.0	50.0	76	70-135	

Lab Batch #: 872281	Sample: 612661-1-BSD / B	SD Bate			DONIEN	
Units: mg/kg	Date Analyzed: 10/13/11 11:33	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0285	0.0300	95	80-120	
4-Bromofluorobenzene		0.0281	0.0300	94	80-120	

Surrogate Recovery [D] = 100 * A/B

All results are based on MDL and validated for QC purposes.

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



BS / BSD Recoveries



Project Name: Merle State Unit #3

Work Order #: 429365

Lab Batch ID: 872281

Date Prepared: 10/13/2011

Project ID: 30-025-37545 Date Analyzed: 10/13/2011

Flag Control Limits %RPD 35 35 35 BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY Control Limits %R 70-130 71-129 70-130 Matrix: Solid RPD % Blk. Spk Dup. [G] 105 107 111 Blank Spike Duplicate Result [F] 0.105 0.107 0.111 Spike Added 0.100 0.100 0.100 Ξ Blank Spike %R [D] 110 112 117 Blank Spike Result 0.117 0.110 0.112 <u>5</u> Batch #: 1 Spike Added 0.100 0.100 0.100 <u>8</u> Sample Result <0.00100 <0.00200 <0.00100 Blank Sample: 612661-1-BKS BTEX by EPA 8021B Units: mg/kg Analyst: ASA Analytes Ethylbenzene

Date Prepared: 10/12/2011 Sample: 612867-1-BKS Lab Batch ID: 872640 Analyst: BBH

Batch #: 1

Matrix: Solid

Date Analyzed: 10/12/2011

33 35

70-135

112 112

0.224

0.200 0.100

118

0.236 0.117

0.200 0.100

<0.00200

m_p-Xylenes o-Xylene

Toluene Benzene

<0.00100

117

0.112

71-133

Units: mg/kg		BLAN	K/BLANKS	PIKE/B	LANK S.	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	ICATE R	ECOVE	RY STUD	λ	
TPH By SW8015B Mod	Blank Sample Result	Spike . Added	Blank Spike Result	Blank Spike	Spike Added	Blank Spike Duolicate	Bik. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes	1	A	[2]	ē	[3]	Result [F]	<u>[5]</u>				
C6-C10 Gasoline Range Hydrocarbons	<15.0	1000	730	73	1000	707	17	3	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15.0	1000	873	87	1000	791	79	10	70-135	35	

Relative Percent Difference RPD = 200*[C-F]/(C+F) Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes

Page 10 of 13

Final 1,000



Sample Duplicate Recovery



Project Name: Merle State Unit #3

Work Order #: 429365

Lab Batch #: 872210

Project ID: 30-025-37545

Date Analyzed: 10/12/2011 13:40

Date Prepared: 10/12/2011

Analyst:BRB

QC- Sample ID: 429365-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		(B)			
Percent Moisture	2.29	2.25	2	20	

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 12600 West I-20 East Phone: 432-563-1800 Pax: 432-563-1713

Project Manager:	Jeremy Haass		Project Name: Merle State Unit #3
Company Name	Yates Petroleum Corporation		Project #: 30-025-37545
Company Address: 105 South 4th Street	105 South 4th Street		Project Loc: Lea County
City/State/Zip:	Artesia, NM 86210		PO#: 103-2636
Telephone No:	575-748-4311	Fax No:	Report Format: X Standard TRRP NPDES
Sampler Signature:		e-mail: <u>jhaass@yatespetroleum.com</u>	<u>m.com</u> Analyze For

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15	Sample #5		50	'n	10/6/2011	10:30am	-	×						S	^	×					×	\dashv	×	\dashv		×
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Special Instructions:		TPH: 8015B, BTEX: 8(%: %	21B 8	21B & Chlorides.	Please show BTEX results as mg/kg.	BTE	X res	ults	as mg	J/kg.	Ę	Thank you	j			· · · ·	Laboratory Comments: Sample Containers Infact VOCs Free of Headspace	S S S	nmer ers in eads	Laboratory Comments: Sample containers intact?			O	ZZ	W.
Relinquished by:	by:	Date 10/11/11	Time 10:52 AM	Time :52 AM	Received by:								Date	g g		Time	S S S S S S S S S S S S S S S S S S S	is on ody se	Sar Social		labels on contained(s) custody seals on container(s) Custody/seals on cooler(s)-			3A€	ziz(z)	7 6
Relinquished by:	by:	Date	F	Time	Received by:							 	Date	<u>s</u>	F	Time	Sam	Sample Hand Delivered by Sampler/Client Rep. by Courier? UPS	and D	Hent C		표		×X	N N 'Lone Star	ta
inquished	Relinquished bx:	Date	Ē	Тт	Received by ELO	J. J. Schunger	1	,	ļ		l		Date	te //-//	16.6	Time /2/00/2	E _	perati	re U	N LOC	Temperature Upon Receipt:	••		3	ا .د	
	くなろう		Į		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		3	3	ı	l	l	1		1	1			l	١	l						



XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa

Document Title: San	nple Receipt Checklis
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Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Page 1 of 1 Effective Date: 6/1/2010

Prelogin / Nonconformance Report - Sample Log-In

Client	lates	Pet	rot	CUYM		
Date/Time:	10.1	2.11	ا	2:00		
Lab ID#:	429	56°	3/	429.	<u> 36/6</u>	<u>,</u>
Initials:		WR/	AÉ	-		

Sample Receipt Checklist

1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles2	(Yes)	No	N/A	
4. Chain of Custody present?	Yee	No		
5. Sample instructions complete on chain of custody?	Ć¥€	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	Yes	No	*	
8. Chain of custody agrees with sample label(s)?	Yes	No		
9. Container labels legible and intact?	Yes	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No -		
11. Samples in proper container / bottle?	Yes	No		
12. Samples properly preserved?	(Yes	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	CNA	
17. VOC sample have zero head space?	(Yes)	No	N/A	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No).	Cooler 5 No.	
ibs 5.\ °C ibs °C ibs °C	lbs	°C	ibs	°င

Nonconformance Documentation

Contact:	Contacted by:	Date/Time:	
Regarding:	Client did not Sign	relinguishing samples.	_
Corrective A	Action Taken:		
		1,4	
			•

Check all that apply: Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

□Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

Final 1.000

Analytical Report 429365

for

Yates Petroleum Corporation

Project Manager: Jeremy Haass
Merle State Unit # 3
30-025-37545
19-OCT-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

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Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





19-OCT-11

Project Manager: Jeremy Haass Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 429365

Merle State Unit #3

Project Address: Lea County

Jeremy Haass:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 429365. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 429365 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Received by OCD: 9/20/2021 3:50:47 PM

Brent Barron II

Odessa Laboratory Manager

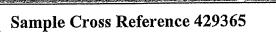
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Yates Petroleum Corporation, Artesia, NM

Merle State Unit # 3

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sample # 2	S	10-06-11 09:45	3 - 3 ft	429365-001
Sample # 3	S	10-06-11 10:00	3 - 3 ft	429365-002
Sample # 4	S	10-06-11 10:15	3 - 3 ft	429365-003
Sample # 5	S	10-06-11 10:30	3 - 3 ft	429365-004

Released to Imaging: 9/21/2021 8:57:37-AM

XENCO Laboratories

CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Merle State Unit # 3



Project ID:

30-025-37545

Work Order Number: 429365

Report Date: 19-OCT-11 Date Received: 10/12/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-872640 TPH By SW8015B Mod

SW8015MOD_NM

Batch 872640, 1-Chlorooctane recovered below QC limits . Matrix interferences is suspected;

data not confirmed by re-analysis

Samples affected are: 429365-004,429365-003.



Project Id: 30-025-37545 Contact: Jeremy Haass

Project Location: Lea County

Certificate of Analysis Summary 429365

Yates Petroleum Corporation, Artesia, NM

Project Name: Merle State Unit # 3

Date Received in Lab: Wed Oct-12-11 12:00 pm

Report Date: 19-OCT-11
Project Manager: Brent Barron II

	Lab Id:	429365-001	429365-002	429365-003	429365-004
Amalucia Donnactad	Field Id:	Sample # 2	Sample # 3	Sample # 4	Sample # 5
chuisses mey uesteu	Depth:	3-3 ft	3-3 ft	3-3 ft	3-3 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL
	Sampled:	Oct-06-11 09:45	Oct-06-11 10:00	Oct-06-11 10:15	Oct-06-11 10:30
BTEX by EPA 8021B	Extracted:	Oct-13-11 10:33	Oct-13-11 10:33	Oct-13-11 10:33	Oct-13-11 10:33
	Analyzed:	Oct-13-11 14:59	Oct-13-11 15:22	Oct-13-11 14:12	Oct-13-11 14:35
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		0.00236 0.00102	ND 0.00102	ND 0.00102	ND 0.00104
Toluene		ND 0.00204	ND 0.00203	ND 0.00204	ND 0.00208
Ethylbenzene		ND 0.00102	ND 0.00102	ND 0.00102	ND 0.00104
m_p-Xylenes		ND 0.00204	ND 0.00203	ND 0.00204	ND 0.00208
o-Xylene		ND 0.00102	ND 0.00102	ND 0.00102	ND 0.00104
Total Xylenes		ND 0.00102	ND 0.00102	ND 0.00102	ND 0.00104
Total BTEX		0.00236 0.00102	ND 0.00102	ND 0.00102	ND 0.00104
Percent Moisture	Extracted:		,		
	Analyzed:	Oct-12-11 13:40	Oct-12-11 13:40	Oct-12-11 13:40	Oct-12-11 13:40
	Units/RL:	% RL	% RL	% RL	% RL
Percent Moisture		2.29 1.00	2.14 1.00	2.32 1.00	3.19 1.00
TPH By SW8015B Mod	Extracted:	Oct-12-11 13:00	Oct-12-11 13:00	Oct-12-11 13:00	Oct-12-11 13:00
	Analyzed:	Oct-12-11 21:08	Oct-12-11 22:20	Oct-12-11 22:44	Oct-12-11 23:08
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C10 Gasoline Range Hydrocarbons		ND 15.4	ND 15.3	ND 15.4	ND 15.5
C10-C28 Diesel Range Hydrocarbons		147 15.4	60.9 15.3	ND 15.4	301 15.5
Total TPH		147 15.4	60.9 15.3	ND 15.4	301 15.5

Odessa Laboratory Manager

Brent Barron II

Page 5 of 13

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This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results represed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Final 1.000



Flagging Criteria

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

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

POL Practical Quantitation Limit

MQL Method Quantitation Limit

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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Project Name: Merle State Unit #3

Work Orders: 429365,

Project ID: 30-025-37545

Lab Batch #: 872640

Sample: 429365-001 / SMP

Batch: 1 Matrix: Soil

1

Units: mg/kg Date Analyzed: 10/12/11 21:08	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	82.2	100	82	70-135	
o-Terphenyl	51.2	50.0	102	70-135	

Lab Batch #: 872640

Sample: 429365-002 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 10/12/1	1 22:20 SU	RROGATE R	ECOVERY	STUDY	•
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	86.9	100	87	70-135	
o-Terphenyl	53.8	50.0	108	70-135	

Lab Batch #: 872640

Sample: 429365-003 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 10/12/11 22:44	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	63.4	100	63	70-135	*
o-Terphenyl	41.1	50.0	82	70-135	

Lab Batch #: 872640

Sample: 429365-004 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 10/12/11 23:08	SU	RROGATE R	ECOVERY :	STUDY	
ТРН Е	By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		64.9	100	65	70-135	*
o-Terphenyl		42.7	50.0	85	70-135	

Lab Batch #: 872281

Sample: 429365-003 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 10/13/11 14:12	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0290	0.0300	97	80-120	

^{*} Surrogate outside of Laboratory QC limits

Received by OCD: 9/20/2021 3:50:47 PM

Surrogate Recovery [D] = 100 * A/B

All results are based on MDL and validated for QC purposes.

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution





Project Name: Merle State Unit #3

Work Orders: 429365,

Lab Batch #: 872281

Sample: 429365-004 / SMP

Project ID: 30-025-37545

Matrix: Soil Batch:

Units: mg/kg Date Analyzed: 10/13/11 14:35	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	
4-Bromofluorobenzene	0.0288	0.0300	96	80-120	

Lab Batch #: 872281

Sample: 429365-001 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 10/13/11 14:59	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0277	0.0300	92	80-120	
4-Bromofluorobenzene	0.0285	0.0300	95	80-120	

Lab Batch #: 872281

Sample: 429365-002 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 10/13/11 15:22	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0263	0.0300	88	80-120	
4-Bromofluorobenzene		0.0284	0.0300	95	80-120	

Lab Batch #: 872640

Sample: 612867-1-BLK / BLK

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 10/12	2/11 17:02 SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	73.8	100	74	70-135	
o-Terphenyl	42.7	50.0	85	70-135	

Lab Batch #: 872281

Sample: 612661-1-BLK/BLK

1 Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 10/13/11 12:41	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A/B

All results are based on MDL and validated for QC purposes.

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Sample Duplicate Recovery



Project Name: Merle State Unit #3

Work Order #: 429366

Lab Batch #: 872301

Project ID: 30-025-37545

Date Analyzed: 10/13/2011 18:03

Date Prepared: 10/13/2011

Analyst: BRB

QC- Sample ID: 429439-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte		[-2]			
Chloride	36.7	35.2	4	20	

Lab Batch #: 872210

Date Analyzed: 10/12/2011 13:40

Date Prepared: 10/12/2011

Analyst: BRB

QC- Sample ID: 429365-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Percent Moisture	2.29	2.25	2	20	

Released to Imaging: 9/21/2021 8:57:37 AM

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST Phone: 432-563-1800 Fax: 432-563-1713 Project Name: Merle State Unit #3 Project #: 30-025-37545 12600 West I-20 East Odessa, Texas 79765 Yates Petroleum Corporation Jeremy Haass

NPDES

TRRP

Report Format: X Standard

<u>ihaass@yatespetroleum.com</u>

e-mail: Fax No:

Project Loc: Lea County PO #: 103-2636

Company Address: 105 South 4th Street

Project Manager:

Company Name

Artesia, NM 88210

575-748-4311

Telephone No: City/State/Zip:

Part	Sampler Signature:					e-mail:		립	ass(stes	Bet	<u> </u>	ihaass@yatespetroleum.com	Ęľ,	۱	١	1		ľ	ľ			l		ſ	Γ	
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Sample ## Samp	121001	7	9					ď	eserva	tion &	# of C	ontain	ers	Mat	×	891				89		09					'87	Γ
Sample #2 3 3 10/6/2011 10.03am X S X X X X X X X X	FIELD CODE		Beginning Depth	Ending Depth	balqms2 ə3sQ			lce			HOBM			DW=Drinking Water SL=Shdge				Antons (Cl. SO4, Alkalinity)					RCI		Chlorides			TAT brabnat2
Sample #5 3 3 10/6/2011 10:30am X S X S X X X X X X	Sample #2		ю	'n	10/6/2011	9:45am		×						S		×	_				_	×			×			×
Sample #5 S S 10/6/2011 10:30am X S X X X X X X X X	Sample #3		'n	ņ	10/6/2011	10:00am		×						S		$\overline{\times}$	-		\neg		\dashv	×			×	_		×
Sample #5 3 3 1006/2011 10:30am X S X X X X X X X	Sample #4		'n	'n	10/6/2011	10:15am		×					_	S		×						×			×	_		×
Name	Sample #5		ŝ	ŝ	10/6/2011	10:30am		×						S		×				_	_	×			$\overline{\mathbf{x}}$	_		×
EASE PUT CHLORIDES	Management						-					+				\dashv	_							_				
N. SEPARATE REPORT							-		╁╌	┡		T	┝	_		\vdash	-		I^-	\vdash				\vdash	-			
NA SEPARATE REPORT							-		-				-							_								
EASE PUT CHLORIDES							┝			-		<u> </u>	-	·		\vdash	-			H					-			
Name							_																		-			
EASE PUT CHLORIDES No. SEPARATE REPORT Laboratory Comments: Sample: Comments:										\vdash			\vdash				H			$\left - \right $	\vdash				\dashv	_		
NA SEPARATE REPORT TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you. TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you. TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population of Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample Population Sam																\dashv	\dashv							\Box	\dashv	\dashv		T
TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you. Laboratory Comments: Sample School Bigger School Bi	PLEASE PUT CHLORID	ES					\dashv		-	-			\dashv			\dashv	\dashv			\dashv	\dashv	_			┰	\dashv		T
TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you. Date Time Received by: Date Time Pacceived by: Date Time Date Time Pacceived by: Date Time Date Time Pacceipt: Date Date Date Pacceipt: Date Date Date Pacceipt: Date Date Date Date Pacceipt: Date Date Date Date Date Date Date Date	ON SEPARATE REPOR	स														-				-	-				\dashv	\dashv		
Date Time Received by: Date Time Custody seals on container(s) Custody seals on		8015B, BT	EX: 80	21B	& Chlorides.	Please show l	вте	k res	nlts a	as m	g/kg.	Ĕ	ank y	vou.				hora Tople	o o	S E S	men rs in	ace?		(1) € (1) €			ZZ	R. V
Date Time Received by: Date Time Received by ELOT: Date Time Sampler/Client Rep. 7 by Sampler/Client Rep. 7 by Sampler/Client Rep. 7 by Courter UPS DHL FedEx L. Date Time Received by ELOT: Date Time Received by ELOT: Date Time Sample Hand Delivered X by Courter UPS DHL FedEx L. Sampler/Client Receipt: 5.4		Date 10/11/11	7iir 10:52	ne 2 AM	Received by:								Δ	ate		Time	<u> ಆರರ</u>	stod stod	2 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	E S S	S 2 2 2	ainer (er(s)			XXX		zz	3 5
Date Time Received by ELOT: Date Time Received by ELOT: Date Time		Date		e	Received by:									ate	<u>'</u>	Jime Lime	:ß	A A	Han	d Del	ent F	ρ 8 8 8 7.			GKX GKX	ت	zzg	
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XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010

Prelogin / Nonconformance Report - Sample Log-In

Client:	ates	Petro	stourn	
Date/Time:	10.12	·11	12:00	•
Lab ID#:	4295	565/	4293	366
Initials:	V	JR/A	É	

Sample Receipt Checklist

1. Samples on ice?	-		T T	
	Blue	Water	No	
2. Shipping container in good condition?	(Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles2	(Yes)	No	N/A	
4. Chain of Custody present?	Yes	No		
5. Sample instructions complete on chain of custody?	CYES	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	Yes	No	1	
8. Chain of custody agrees with sample label(s)?	Yes	No		•
9. Container labels legible and intact?	Yes	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No -		
11. Samples in proper container / bottle?	(Yes	No		
12. Samples properly preserved?	Yes	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		· · · · · · · · · · · · · · · · · · ·
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	(NA)	
17. VOC sample have zero head space?	(Yes)	No	N/A	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No).	Cooler 5 No.	
ibs 5.1 °C ibs °C ibs °C	ibs	°C	lbs	°C

Nonconformance Documentation

Contact:	Confacted by:	Date/Time:	
Regarding:	Client did not sign	relinguishing samples.	
	ction Taken:		
		1.5	

Received by OCD: 9/20/2021 3:50:47 PM

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

□ Initial and Backup Temperature confirm out of temperature conditions

□Client understands and would like to proceed with analysis

Final 1.000

Analytical Report 426801

for Yates Petroleum Corporation

Project Manager: Jeremy Haass
Merle 'BOG' State #3
30-025-37545

08-SEP-11

Collected By: Client



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Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

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Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





08-SEP-11

Project Manager: Jeremy Haass Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 426801

Merle 'BOG' State #3 Project Address: Lea

Jeremy Haass:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 426801. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 426801 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron II

Odessa Laboratory Manager

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Sample Cross Reference 426801



Yates Petroleum Corporation, Artesia, NM Merle 'BOG' State #3

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sample #1	S	08-23-11 15:35	1 - 1 ft	426801-001
Sample #2	S	08-23-11 15:44	1 - 1 ft	426801-002
Sample #3	S	08-23-11 15:55	1 - 1 ft	426801-003
Sample #4	· S	08-23-11 16:10	1 - 1 ft	426801-004
Sample #5	S	08-23-11 16:20	1 - 1 ft	426801-005

Received by OCD: 9/20/2021 3:50:47 PM

CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Merle 'BOG' State #3



Project ID:

30-025-37545

Work Order Number: 426801

Report Date: 08-SEP-11 Date Received: 08/31/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-869210 BTEX by EPA 8021B

SW8021BM

Batch 869210, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 426801-001, -002, -005, -004, -003.

The Laboratory Control Sample for Toluene, Ethylbenzene, m_p-Xylenes , o-Xylene is within

laboratory Control Limits

SW8021BM

Batch 869210, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis Samples affected are: 426801-003,426801-002.

Batch: LBA-869326 TPH By SW8015B Mod

SW8015B NM

Batch 869326, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Blank Spike Duplicate however was within limits for the Blank Spike, therefore data is reported as is. Samples affected are: 426704-005, -003, -001, -002, -004.



Project Id: 30-025-37545 Contact: Jeremy Haass

Project Location: Lea

Certificate of Analysis Summary 426801

Yates Petroleum Corporation, Artesia, NM

Project Name: Merle 'BOG' State #3

D

Date Received in Lab: Wed Aug-31-11 10:00 am

Report Date: 08-SEP-11

Analysis Requested Analysis Requested Depth: Matrix: Sampled: Extracted: Analyzed: Units.RL:	19 * e u [][426801-002 Sample #2 1-1 ft SOIL Aug-23-11 15:44 Sep-02-11 12:00 Sep-03-11 11:09 me/ke R1.	426801-003 Sample #3 1-1 ft SOIL Aug-23-11 15:55	426801-004 426801-00 Sample #4 Sample #5 1-1 ft 1-1 ft SOIL SOIL SOIL Aug-23-11 16:10 Aug-23-11 16	426801-005 Sample #5 1-1 ft
Analysis Requested Field Id: Matrix: Sampled: Sampled: Analyzed: Units/RL:	Sample #1 1-1 ft SOIL Aug-23-11 15:35 Sep-02-11 12:00 Sep-03-11 10:47 mg/kg ND 0.00200 0.00203 0.00203	Sample #2 1-1 ft SOIL Aug-23-11 15:44 Sep-02-11 12:00 Sep-03-11 11:09 me/ke RI.	Sample #3 1-1 ft SOIL Aug-23-11 15:55	Sample #4 1-1 ft SOIL Aug-23-11 16:10	Sample #5
BTEX by EPA 8021B Extracted: Analyzed: Units/RL:	1-1 ft SOIL Aug-23-11 15:35 Sep-02-11 12:00 Sep-03-11 10:47 mg/kg RL ND 0.00100 ND 0.00200	1-1 ft SOIL Aug-23-11 15:44 Sep-02-11 12:00 Sep-03-11 11:09 me/ke R1.	1-1 ft SOIL Aug-23-11 15:55	1-1 ft SOIL Aug-23-11 16:10	# 1-1
Matrix: Sampled: Stanpled: Extracted: Analyzed: Units/RL:	SOIL Aug-23-11 15:35 Sep-02-11 12:00 Sep-03-11 10:47 mg/kg RL ND 0.00100 ND 0.00200	SOIL. Aug-23-11 15:44 Sep-02-11 12:00 Sep-03-11 11:09 me/ke RI.	SOIL Aug-23-11 15:55	SOIL Aug-23-11 16:10	
Sampled: BTEX by EPA 8021B Extracted: Analyzed: Units/RL:	Aug-23-11 15:35 Sep-02-11 12:00 Sep-03-11 10:47 mg/kg RL ND 0.00100 ND 0.00200	Aug-23-11 15:44 Sep-02-11 12:00 Sep-03-11 11:09 me/ke RI.	Aug-23-11 15:55	Aug-23-11 16:10	SOIL
BTEX by EPA 8021B Extracted: Analyzed: Units/RL:	Sep-02-11 12:00 Sep-03-11 10:47 mg/kg RL ND 0.00100 ND 0.00200 0.00203 0.00100	Sep-02-11 12:00 Sep-03-11 11:09 me/ke RI.			Aug-23-11 16:20
Analyzed: Units/RL:	Sep-03-11 10:47 mg/kg RL ND 0.00100 ND 0.00200 0.00203 0.00100	Sep-03-11 11:09	Sep-02-11 12:00	Sep-02-11 12:00	Sep-02-11 12:00
Units/RL:	اماماما		Sep-03-11 11:35	Sep-03-11 11:57	Sep-03-11 12:20
			mg/kg RL	mg/kg RL	mg/kg RL
Benzene		ND 0.00100	ND 0.000992	ND 0.00101	ND 0.00101
Toluene		ND 0.00201	0.00235 0.00198	ND 0.00201	ND 0.00202
	ı	0.00896 0.00100	0.0131 0.000992	0.00102 0.00101	0.00104 0.00101
nes	0.00475 0.00200	0.0274 0.00201	0.0429 0.00198	0.00223 0.00201	0.00326 0.00202
	0.00627 0.00100	0.0223 0.00100	0.0590 0.000992	0.00283 0.00101	0.00241 0.00101
Total Xylenes	0.0110 0.00100	0.0497 0.00100	0.102 0.000992	0.00506 0.00101	0.00567 0.00101
Total BTEX	0.0131 0.00100	0.0587 0.00100	0.117 0.000992	0.00608 0.00101	0.00671 0.00101
Percent Moisture Extracted:	٠				
Analyzed: Av	Aug-31-11 15:45	Aug-31-11 15:45	Aug-31-11 15:55	Aug-31-11 15:55	Aug-31-11 15:55
Units/RL;	% RL	% RL	% RL	%	% RL
Percent Moisture	ND 1.00	ND 1.00	ND 1.00	00.I 00.I	1.38 1.00
TPH By SW8015B Mod Extracted: Se	Sep-01-11 13:40	Sep-01-11 13:40	Sep-01-11 13:40	Sep-01-11 13:40	Sep-01-11 13:40
Analyzed: Se	Sep-03-11 06:47	Sep-03-11 07:17	Sep-03-11 08:52	Sep-03-11 09:22	Sep-03-11 10:01
Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
S	ND 15.0	103 75.1	150 74.9	20.9 15.1	17.9 15.1
C10-C28 Diesel Range Hydrocarbons	407 15.0	2040 75.1	4140 74.9	1280 15.1	1090 15.1
Total TPH	407 15.0	.2140 75.1	4290 74.9	1300 15.1	1110 15.1

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The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
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Odessa Laboratory Manager

Brent Barron II

Page 5 of 15



Flagging Criteria

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

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

PQL Practical Quantitation Limit

MQL Method Quantitation Limit

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	• •



Project Name: Merle 'BOG' State #3

Work Orders: 426801,

Sample: 426801-001 / SMP

Project ID: 30-025-37545

Lab Batch #: 869326

Matrix: Soil Batch:

Units: mg/kg Date Analyzed: 09/03/11 06:47	Su	RROGATE R	ECOVERY	STUDY	
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	11	[2]	[D]	,,,,	
1-Chlorooctane	102	99.9	102	70-135	
o-Terphenyl	51.8	50.0	104	70-135	

Lab Batch #: 869326

Sample: 426801-002 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 09/03/11 07:17	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	83.3	99.6	84	70-135	
o-Terphenyl	39.6	49.8	80	70-135	

Lab Batch #: 869326

Sample: 426801-003 / SMP

Batch:

Matrix: Soil

Units: mg/kg Da	ate Analyzed: 09/03/11 08:52	SU	RROGATE RI	ECOVERY S	STUDY	
TPH By SW	8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Anal	ytes .			[D]		
1-Chlorooctane		121	99.8	121	70-135	
o-Terphenyl		57.9	49.9	116	70-135	

Lab Batch #: 869326

Sample: 426801-004 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 09/03/11 09:22	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	86.0	100	86	70-135	
o-Terphenyl	41.9	50.0	84	70-135	

Lab Batch #: 869326

Sample: 426801-005 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 09/03/11 10:01 SURROGATE RECOVERY STUDY						
TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount · [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane	88.3	99.5	89	70-135		
o-Terphenyl	44.9	49.8	90	70-135		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A/B

All results are based on MDL and validated for QC purposes.

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Merle 'BOG' State #3

Work Orders: 426801,

Lab Batch #: 869210

Sample: 426801-001 / SMP

Project ID: 30-025-37545

Matrix: Soil Batch:

Units: mg/kg Date Analyzed: 09/03/11 10:47 SURROGATE RECOVERY STUDY						
BTEX by	/ EPA 8021B	Amount Found	True Amount	Recovery	Control Limits	Flags
An	alytes	[A]	[B]	%R [D]	%R	
1,4-Difluorobenzene		0.0271	0.0300	90	80-120	
4-Bromofluorobenzene		0.0256	0.0300	85	80-120	

Lab Batch #: 869210

Sample: 426801-002 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 09/03/11 11:09	SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0273	0.0300	91	80-120		
4-Bromofluorobenzene	0.0387	0.0300	129	80-120	*	

Lab Batch #: 869210

Sample: 426801-003 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 09/03/11 11:35	SURROGATE RECOVERY STUDY					
BTE	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
	Analytes			[D]			
1,4-Difluorobenzene		0.0292	0.0300	97	80-120		
4-Bromofluorobenzene		0.0644	0.0300	215	80-120	*	

Lab Batch #: 869210

Sample: 426801-004/SMP

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 09/03/11 11:57	SURROGATE RECOVERY STUDY					
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
	Analytes			[D]		-	
1,4-Difluorobenzene		0.0306	0.0300	102	80-120		
4-Bromofluorobenzene		0.0294	0.0300	98	80-120		

Lab Batch #: 869210

Sample: 426801-005 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 09/03/11 12:20	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	1,	(- 3	[D]	/013	
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0272	0.0300	91	80-120	

^{*} Surrogate outside of Laboratory QC limits

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

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Merle 'BOG' State #3

Work Orders: 426801,

Project ID: 30-025-37545
Sample: 610994-1-BLK / BLK

Batch: 1 Matrix: Solid

Lab Batch #: 869326

Units; mg/kg Date Analyzed; 09/03/11 02:06 SURROGATE RECOVERY STUDY					
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	86.1	100	86	70-135	
o-Terphenyl	44.4	50.0 .	89	70-135	

Lab Batch #: 869210

Sample: 610920-1-BLK/BLK

Batch: 1

Matrix: Solid

Units: mg/kg	Date Analyzed: 09/03/11 08:30	SU	RROGATE R	ECOVERY	STUDY	
вте	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	1311atj ccs	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene		0.0256	0.0300	85	80-120	

Lab Batch #: 869326

Sample: 610994-1-BKS/BKS

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 09/03/11 01:03 SURROGATE RECOVERY STUDY						
TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane	101	100	101	70-135		
o-Terphenyl	42.9	50.1	86	70-135		

Lab Batch #: 869210

Sample: 610920-1-BKS/BKS

Batch:

Matrix: Solid

Units: mg/kg	Date Analyzed: 09/03/11 06:59	SU	RROGATE R	ECOVERY	STUDY	
•	by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
A	analytes			[D]		
1,4-Difluorobenzene		0.0297	0.0300	99	80-120	
4-Bromofluorobenzene		0.0279	0.0300	93 [.]	80-120	

Lab Batch #: 869326

Sample: 610994-1-BSD / BSD

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 09/03/11 01:34	SURROGATE RECOVERY STUDY					
TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane	96.2	99.9	96	70-135		
o-Terphenyl	40.5	50.0	81	70-135		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A/B

All results are based on MDL and validated for QC purposes.

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Merle 'BOG' State #3

Work Orders: 426801,

Project ID: 30-025-37545

Lab Batch #: 869210

Sample: 610920-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg Date Analyzed: 09/03/11 07:21	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0285	0.0300	95	80-120	
4-Bromofluorobenzene	0.0279	0.0300	93	80-120	

Lab Batch #: 869326

Sample: 426704-001 S/MS

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 09/03/11 10:32	SU	RROGATE R	ECOVERY	STUDY	
ТРН І	By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		112	101	111	70-135	
o-Terphenyl		46.3	50.3	92	70-135	

Lab Batch #: 869210

Sample: 426978-002 S/MS

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 09/03/11 12:43	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0276	. 0.0300	92	80-120	

Lab Batch #: 869326

Sample: 426704-001 SD / MSD

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 09/03/11 11:03	SU	RROGATE RI	ECOVERY	STUDY	
ТРН Е	By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		102	99,5	103	70-135	
o-Terphenyl	•	40.8	49.8	82	70-135	

Lab Batch #: 869210

Sample: 426978-002 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 09/03/11 13:05	SU	RROGATE R	ECOVERY	STUDY	•
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0264	0.0300	88	80-120	
4-Bromofluorobenzene	0.0257	0.0300	86	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A/B

All results are based on MDL and validated for QC purposes.

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution





BS / BSD Recoveries



Project Name: Merle 'BOG' State #3

Work Order #: 426801

Lab Batch ID: 869210 Analyst: ASA

Date Prepared: 09/02/2011

Project ID: 30-025-37545 **Date Analyzed:** 09/03/2011

Sample: 610920-1-BKS

Batch #: 1

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STITDY Units: mg/kg

Units: Mg/Ag		NEGRA	A / DELPATATA	7 7 7 7	C VILLANIA S	DESTRICT DESTREES DESTREES OF THE POLITICALE RECOVERS STODS	TATE	a cons	KI SIOD	¥	
BTEX by EPA 8021B	Blank Sample Result	Spike Added	Blank Spike	Blank Spike	Spike Added	Blank Spike	Blk. Spk Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	₹.	<u>8</u>		E	<u> </u>	Duplicate Result [F]	<u> </u>	•	70K	WKFD.	
Benzene	<0.00100	0.100	0.111	111	0.100	0.108	108	3	70-130	35	
Toluene	<0.00200	0.100	0.0974	26	0.100	0.0965	26	1	70-130	35	
Ethylbenzene	<0.00100	0.100	0.105	105	0.100	0.104	104	-	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.209	105	0.200	0.209	105	0	70-135	35	
o-Xylene	<0.00100	0.100	0.0980	86	0.100	0.0975	86	-	71-133	35	

Date Prepared: 09/01/2011 Sample: 610994-1-BKS

Lab Batch ID: 869326

Analyst: BBH

Batch #: 1

Matrix: Solid

Date Analyzed: 09/03/2011

Units: mg/kg		BLAN	BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE	SPIKE/B	LANKS	PIKE DUPL		RECOVE	RECOVERY STUDY	¥	
TPH By SW8015B Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Bik. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		<u>8</u>	<u>D</u>	<u>a</u>	9	Result [F]	<u>5</u>				
C6-C10 Gasoline Range Hydrocarbons	<15.0	1000	706	71	666	819	89	4	70-135	35	1
C10-C28 Diesel Range Hydrocarbons	<15.0	1000	814	81	666	784	78	4	70-135	35	

Relative Percent Difference RPD = 200*[(C-F)/(C+F)] Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries

Project Name: Merle 'BOG' State #3

Batch #:

ASA Analyst:

QC-Sample ID: 426978-002 S Date Prepared: 09/02/2011

Date Analyzed: 09/03/2011

Reporting Units: mg/kg

Lab Batch ID: 869210

Work Order #: 426801

Matrix: Soil **,**

Project ID: 30-025-37545

eporting Units: mg/kg		Σ	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	E/MAT	RIX SPII	KE DUPLICA'	TE RECC	VERY S	TUDY		
BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Spiked Result Sample [C] %R	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Mag
Benzene	<0.000998	0.0998	0.0798	80	0.100	0.0718	72	11	70-130	35	
Toluene ·	<0.00200	0.0998	0.0665	29	0.100	0.0580	58	14	70-130	35	×
Ethylbenzene	<0.000998	0.0998	0.0641	49	0.100	0.0520	52	21	71-129	35	×
m_p-Xylenes	<0.00200	0.200	0.123	62	0.200	0.0983	49	22	70-135	35	×
o-Xylene	<0.000998	0.0998	0.0543	72	0.100	0.0438	4	21	71-133	35	×

QC-Sample ID: 426704-001 S Date Prepared: 09/01/2011

Date Analyzed: 09/03/2011

Lab Batch ID: 869326

Matrix: Soil BBH Batch #: Analyst:

	ı										
Reporting Units: mg/kg		M	ATRIX SPIKE	MATE	UX SPII	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	TE RECO	OVERY S	TUDY		
TPH By SW8015B Mod	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	ike	Duplicate Spiked Sample		RPD	Control	Control	H 99
Analytes	Result [A]	Added [B]	[C] %R Ad	æ. E	ded Ej	Result [F]	%R [G]	%	%R	%RPD	, (
C6-C10 Gasoline Range Hydrocarbons	<16.3	1090	810	74	1080	762	7.1	9	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<16.3	1090	886	91	1080	895	83	22	70-135	35	

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

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

Page 12 of 15

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

Final 1.000



Sample Duplicate Recovery



Project Name: Merle 'BOG' State #3

Work Order #: 426801

Lab Batch #: 868909

Project ID: 30-025-37545

Date Analyzed: 08/31/2011 14:15

Date Prepared: 08/31/2011

Analyst: BRB

QC-Sample ID: 426780-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

 SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
 Parent Sample Result	Sample Duplicate	RPD	Control Limits	Flag

Percent Moisture . Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	<1.00	<1.00	0	20	

Lab Batch #: 868917

Date Analyzed: 08/31/2011 15:55

Date Prepared: 08/31/2011

Analyst: BRB

QC- Sample ID: 426801-003 D

Batch #: 1

Matrix: Soil

Reporting Units: %	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	<1.00	<1.00	0	20	

XENCO-Environmental Lab of Texas

TAT bisbrist × × NPDES RUSH TAT (Pre-Schedule) 24, 48, 72 hra × × × X Chlorides Project Name: Merle 'BOG' State #3 Phone: 432-563-1800 Fax: 432-563-1713 TRRP M.A.O.M. CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST ЮЯ BLEX 8021B/5030 or BTEX 8260 × × × × × Senitolatiles Project #: 30-025-37545 Report Format: X Standard Netals: As Ag Ba Cd Cr Pb Hg Se PO #: 103-2636 TCLP. TOTAL: SAR / ESP / CEO Project Loc: Lea Julons (Cl. SO4, Alkalinity) Callons (Ca, Mg, Na, K) 9001 XT 2001 XT Hal :HqT WS108 1.814 × × 80128 ihaass@vatespetroleum.com S ഗ Ø ഗ W=Drinking Weler SL=5bdg Thank you Other (Specify) enoN Odessa, Texas 79765 12600 West I-20 East 4Os2seN Please show BTEX results as mg/kg. HOBN 10S4H HCI FONH 601 otal #. of Containers betelli Fillered Fax No: e-mail: 3:44pm 4:10pm 4:20pm 3:35pm 3:55pm Time Sampled TPH: 8015B, BTEX: 8021B & Chlorides. 8/23/2011 8/23/2011 8/23/2011 8/23/2011 8/23/2011 Date Sampled ₽ # # # Ħ Ending Depth # # # # Atqed galanige8 Yates Petroleum Corporation Company Address: 105 South 4th Street Artesia, NM 88210 1426802 PLEASE PUT CHLORIDES ON SEPARATE REPORT Jeremy Haass 575-748-4311 FIELD CODE Sample #2 Sample #3 Sample #4 Sample #5 Sample #1 Sampler Signature: Project Manager: ORDER #: 47(630) Company Name Telephone Na: City/State/Zip:

Released to Imaging: 9/21/2021 8:57:37 AM

3

10.01

831.11

Date

Received by:

Time

THE THE

Date

9:12 AM Time

> 08/29/11 Date

Ϋ́

pecial instructions:

Sample Containers Intact? OCs Free of Headspace?

abels on container(s

Date

(Vino sau dai) # 8A_

(lab use only)



XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010

Prelogin / Nonconformance Report - Sample Log-In

\	1. 1-	Potr	ileum	
Client:	101(3	10(10	11CMM	
Date/Time:	8:	31-11	10.00	•
Lab ID#:	126801/4	12680	12-Cl	
Initials:		al E	•	•

Sample Receipt Checklist

1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	Yes Yes	No		
6. Any missing / extra samples?	Yes	(No)	·	
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No ·		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	Yes	No	N/A	
13. Sample container intact?	Yes	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	(Yes	No		
16. Subcontract of sample(s)?	Yes	No	(ÑÃ)	
17. VOC sample have zero head space?	(Yes)	No	N/A	1
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No),	Cooler 5 No.	
lbs / 5 °C lbs °C lbs °C	lbs	၁°	lbs	°C

Nonconformance Documentation

Contact:	Contacted by:	Date/Time:
Regarding:		
Corrective Action Taken:		

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Check all that apply:
Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

□ Initial and Backup Temperature confirm out of temperature conditions □ Client understands and would like to proceed with analysis

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Analytical Report 426802

for Yates Petroleum Corporation

Project Manager: Jeremy Haass Merle 'BOG' State #3 30-025-37545 08-SEP-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





08-SEP-11

Project Manager: Jeremy Haass Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 426802

Merle 'BOG' State #3 Project Address: Lea

Jeremy Haass:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 426802. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 426802 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

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Brent Barron II

Odessa Laboratory Manager

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Yates Petroleum Corporation, Artesia, NM

Merle 'BOG' State #3

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sample #1	S	08-23-11 15:35	1 - 1 ft	426802-001
Sample #2	S	08-23-11 15:44	1 - 1 ft	426802-002
Sample #3	S	08-23-11 15:55	1 - 1 ft	426802-003
Sample #4	S	08-23-11 16:10	1 - 1 ft	426802-004
Sample #5	S	08-23-11 16:20	1 - 1 ft	426802-005

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XENCO Laboratories

CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Merle 'BOG' State #3



Project ID:

30-025-37545

Work Order Number: 426802

Report Date: 08-SEP-11 Date Received: 08/31/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Project Id: 30-025-37545 Contact: Jeremy Haass

Project Location: Lea

Certificate of Analysis Summary 426802

Yates Petroleum Corporation, Artesia, NM

Project Name: Merle 'BOG' State #3

Date Received in Lab: Wed Aug-31-11 10:00 am

Report Date: 08-SEP-11

					Project Manager: Brent Barron II	brent Barron II	
	Lab Id:	426802-001	426802-002	426802-003	426802-004	426802-005	
Analysis Remosted	Field Id:	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	
marcarbon machanic	Depth:	1-1 #	1-1 #	1-1 ₩	1-1 #	1-1 ft	
	Matrix:	SOIL	SOLL	SOIL	SOIL	SOIL	
	Sampled:	Aug-23-11 15:35	Aug-23-11 15:44	Aug-23-11 15:55	Aug-23-11 16:10	Aug-23-11 16:20	
Anions by E300	Extracted:						
	Analyzed:	Sep-01-11 08:19	Sep-01-11 08:19	Sep-01-11 08:19	Sep-01-11 08:19	Sep-01-11 08:19	16.7 may 20.5 may
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg R.L.	mg/kg RL	
Chloride		46.3 4.21	ND 4.22	41.8 4.22	427 8.45	3590 42.6	
Percent Moisture	Extracted:						
	Analyzed:	Aug-31-11 15:45	Aug-31-11 15:45	Aug-31-11 15:55	Aug-31-11 15:55	Aug-31-11 15:55	anataka di di di
	Units/RL:	% RL	% RL	% RL	% RL	% RL	ocario d'ante
Percent Moisture		ND 1.00	ND 1.00	ND 1.00	00.1 EM	1.38 1.00	

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and nackes no varranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Final 1.000

Odessa Laboratory Manager

Page 5 of 11



Flagging Criteria

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

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

PQL Practical Quantitation Limit

MQL Method Quantitation Limit

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	





BS / BSD Recoveries



Project Name: Merle 'BOG' State #3

Work Order #: 426802

Lab Batch ID: 869030 Analyst: BRB

Sample: 869030-1-BKS

Matrix: Solid

Project ID: 30-025-37545 **Date Analyzed:** 09/01/2011 Date Prepared: 09/01/2011 Batch#: 1

Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE]	PIKE / B	LANKS	PIKE DUPL	ICATE 1	RECOVE	RECOVERY STUDY	X.	
Anions by E300	Blank Sample Result	Spike Added	Blank Spike Resnit	Blank Spike	Spike Added	Blank Spike Dunlicate	Bik. Spk Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	<u>:</u>	<u>8</u>	<u>D</u>	ē	3	Result [F]	<u>5</u>		(
Chloride	<0.840	20.0	22.6	113	20.0	22.4	112	-	75-125	. 20	

Relative Percent Difference RPD = 200*(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Page 7 of 11

Final 1.000



Form 3 - MS Recoveries

Project Name: Merle 'BOG' State #3



Work Order #: 426802

Lab Batch #: 869030

Date Prepared: 09/01/2011

Project ID: 30-025-37545

Date Analyzed: 09/01/2011

Analyst: BRB

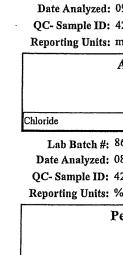
QC-Sample ID: 426798-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg	MATE	UX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	382	215	647	123	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes
BRL - Below Reporting Limit



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

Jample Duplicate Recovery



Project Name: Merle 'BOG' State #3

Work Order #: 426802

Lab Batch #: 869030

Project ID: 30-025-37545

Date Analyzed: 09/01/2011 08:19

Analyst: BRB

Date Prepared: 09/01/2011 QC- Sample ID: 426798-001 D Batch #: 1 Matrix: Soil

Reporting Units: mg/kg	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
Anions by E300 Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	382	387	1	20	

Lab Batch #: 868909

Date Analyzed: 08/31/2011 14:15

Date Prepared: 08/31/2011

Analyst: BRB

QC- Sample ID: 426780-001 D

Batch #:

Matrix: Soil

Reporting Units: %	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]	•		
Percent Moisture	<1.00	<1.00	0	20	

Lab Batch #: 868917

Date Analyzed: 08/31/2011 15:55

Date Prepared: 08/31/2011

Analyst:BRB

QC-Sample ID: 426801-003 D Batch #:

Matrix: Soil

Reporting Units: %	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	<1.00	<1.00	0	20	

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Phone: 432-563-1800 Odessa, Texas 79765 Fax: 432-563-1713

TAT brabnat NPDES RUSH TAT (Pre-Schodule) 24, 48, 72 hra Chlorides × × × × TRRP Project Name: Merle 'BOG' State #3 M.O.R.M. Labels on container(s)
Custody seals on container(s)
Custody seals on cooler(s)
Sample Hand Delivered ЮЯ BTEX 8021B/5030 or BTEX 8260 × × × OCS Free of Headspace? by Sampler/Client Rep. ? by Coyner? UPS Temperature Upon Receipt Sample Containers Intact? Laboratory Comments: Project #: 30-025-37545 Report Format: X Standard 89)(18)0 Melals: As Ag Ba Cd Cr Pb Hg Se PO #: 103-2636 SAR / ESP / CEC Project Loc: Lea Anlons (CI, SO4, Alkalinity) Cations (Ca, Mg, Na, K) 8001 XT 3001 XT Hal 10.01 80168 age | M3108 :H9T 1.814 × × × × ihaass@yatespetroleum.com S တ S Ø ဟ 831.11 TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you. Date Date Olher (Specify) Mone Na₂S₂O₃ HOEN *OSTH на FONH × × otal #. of Containers Fax No: e-mail: 4:10pm 3:35pm 3:44pm 3:55pm 4:20pm Time Sampled 8/23/2011 8/23/2011 8/23/2011 8/23/2011 8/23/2011 Received by: Received by: Dale Sampled # 14 # # # digad gaiba 9:12 AM Time Time # # # 1# # Atqed gninnige8 Yates Petroleum Corporation 08/29/11 Date Date Date Company Address: 105 South 4th Street Artesia, NM 88210 PLEASE PUT CHLORIDES Jeremy Haass ON SEPARATE REPORT 575-748-4311 Sampler Signature: FIELD CODE Sample #2 Sample #3 Sample #4 Sample #5 Sample #1 Project Manager: Company Name ORDER#: 47 (030) χ'n Telephone No: City/State/Zip: XXX pecial Instructions: (lab use only) (yino esu dei) # 8A

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XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010

Prelogin / Nonconformance Report - Sample Log-In

Client:	lates	Petro	leum	
Date/Time:	8:	3) 11	10.00	
Lab ID#:4	2 <i>68</i> 01/4	12680	12-C1	
Initials:		()E	•	

Sample Receipt Checklist

1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	Ves	No	None	
3. Custody seals intact on shipping container (cooler) and bottles	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	(No)	1	
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No ·		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	Yes	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	(NA)	
17. VOC sample have zero head space?	Yes	No	N/A	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No.		Cooler 5 No.	
lbs / 5 °C lbs °C lbs °C	Ibs	°C		°C

Nonconformance Documentation

Contact:	Contacted by:	Date/Time:
Regarding:		
Corrective Action Taken:		
The state of the s		

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
□ Initial and Backup Temperature confirm out of temperature conditions

□ Client understands and would like to proceed with analysis

or the environme
federal, state, or
Signature:
Printed Name Je
Title Environme
E-mail Address
Date Friday, July
Attach Addition

District 1 1625 N French Dr., Hobbs, NM 88240 District II	HÖBBS 2D Ener	State of New Mexico rgy Minerals and Natural Resources
1301 W Grand Avenue, Artesia, NM 8821 District III 1000 Rto Brazos Road, Aztec, NM 87410 District IV		1220 South St. Francis Dr.
District IV 1220 S. St. Francis Dr. 'Santa Fe. NM 8750)5 mm =	1220 South St. Francis Dr.

Form C-141 Revised October 10, 2003

Released to Imaging: 9/21/2021 8:57:37 AM

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

1220 S St Fran	icis'Dr _{.;} 'Santa	a Fe, NM 8750	RECEN	/ED Sa	ınta Fo	e, NM 875	505					side of form
	1				atio	and Co	rrective A	ction	1			
	•			0	PERA	TOR			🛚 Initia	l Report		Final Report
Name of Co				OGRID Nun		Contact						
Yates Petro	leum Corp	oration		25575		Jeremy Haass Telephone No.						
Address 104 S. 4 TH	Stract					575-748-14						
Facility Na				API Number		Facility Type						
Merle State				30-025-3754		Well			- <u>-</u>			1
Surface Owner Mineral Own									Lease 1		·	
State				State					VA-19			
1 <u> </u>				LOCA	TIO	N OF RE	LEASE					
Umt Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/\	West Line	County		
р	14	108	34Ē	990		South	990		East	Lea		
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				Latitude 33.4	•	_						
1 0 0 1				NAT	URE	OF REL			Nahima 1	Recovered		
Type of Rele Crude Oil &		Vater .				45 B/O 10			30 B/O	Kecoverca		
Source of Re	lease					1	Iour of Occurrence	e		Hour of Di	scovery	у
Heater Treate Was Immedi		Pisson 0				7/18/2011			7/18/201	l AM		
Witz timiled	ale Holice C		Yes [No 🗌 Not R	equired	If YES, To Whom? d Maxey Brown, NMOCD						
By Whom?			.1			Date and Hour 7/19/2011 AM (email)						
Was a Water		roleum Corpo	ration			1/19/2011	AM (email) Nume Impacting t	he Wate	ercourse			
			Yes 🗵			N/A						
II'a Watercou	urse was Im	pacted, Descr	ibe Fully.									•
Describe Cau		em and Reme										
Hole in the F	ire Tube in	the North He	ater Treate	r Isolated Heate	r Treate	r.						
Describe Are	a Affected	and Cleanup /	Action Tak	cen *							1.1	
An approxim	atc area of i	110'X 10', al itu Vertical a	l on well p	oad. Vacuum truc	k called	l to pick up re vill be taken s	maining oil, impa and analysis ran fo	icted soi or TPI-L	ils to be sci & BTEX.	raped up an If initial an	d taken alvtical	to an Fresults for
TPH & BTE	X are under	RRAL's a Fin	nal Report	C-141 will be su	ibmitted	to the OCD	requesting closure	. If the	analytical	results are i	above t	he RRAL's a
work plan wi	Il be submit	ted Depth to	Ground	Water: 50-99' (a	ipproxi	mately 50', S	lection 14-T10S-J TE RANKING I	R34E, p	er New M	exico Chev	ron To	exaco Trend
1												
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to the	he best of my	knowledge and u	nderstar	nd that purs	suant to NM	10CD 1	rules and
regulations a	or the envi	are required to	o report an accentanc	e of a C-141 repo	elease n	otifications at e NMOCD m	nd perform correct arked as "Final R	eport" d	loes not reli	ieve the ope	i may c erator o	of liability
should their o	perations h	ave failed to a	dequately	investigate and r	emediate	e contaminatí	on that pose a thre	eat to gr	round water	r, surface w	ater, hu	uman health
or the enviror				tance of a C-141	report d	oes not reliev	e the operator of	responsi	ibility for c	ompliance	with an	y other
leacial, state,	, OI IOCAI IAV	vs allo/of regu	nations.	. , ., 			OIL CON	SERV	ATION	DIVISIO	ON	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
	\prec \gtrsim	22116					<u> </u>				-	
Signature:		1/2	\rightarrow			Approved by	District Supervise	nr.	4102	•		
Printed Name	e Jeremy H	nass				Approved by	District puber visc	JI.	Accept	ed for R	econ	d Only
Title Enviro	nmental Reg	gulatory Agen	t			Approval Dat	e:	1	Expiration 1	Date		
E-mail Addre						Conditions of						
12-111011 Madic	oo <u>Inaassia</u>	Outen/outen	com				ppro-ruii			Attached		-2200
Date Friday,				: 575-748-1471		2RP-	 			IIRP-4	-12	-2792 0 2 2012
Attach Addit	tional Shee	ts If Necessi	ary								APR !	O & raic

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

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

			ა:	ши г	e, NM 873	503					side of form
		Rele	ease Notific	catio	n and Co	orrective A	ction				
			O]	PERA	TOR			⊠ Initia	l Report	П	Final Report
Name of Company	-		OGRID Nun		Contact		·				
Yates Petroleum Corp	oration		25575		Jeremy Haa						
Address 104 S. 4 TH Street					Telephone No. 575-748-1471						
Facility Name			API Number		Facility Typ						
Merle State Unit #3	5	Well									
Surface Owner			Mineral C)wner	***************************************			Lease 1	Vo.		
State			State	,,,,,,,,,				VA-194			
			LOCA	TIO	N OF RE	LEASE					
Unit Letter Section	Township	Range	Feet from the		/South Line	Feet from the	East/W	est Line	County		
p 14	108	34E	990		South	990	1	East	Lea		
l	<u> </u>	<u> </u>					<u> </u>				
			Latitude 33.4	4253	_ Longitude	103.42887					
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Type of Release	t			•	Volume of			Volume F	Recovered		
Crude Oil & Produced V Source of Release	vater				45 B/O 10	B/PW lour of Occurrenc		30 B/O	Hour of Dis	COVER	
Heater Treater					7/18/2011	AM		7/18/2011		COVCI	y
Was Immediate Notice (Vec [No 🗌 Not Re	anired	If YES, To						
By Whom?	<u> </u>	103	140 🔲 140t Ke	quireu	red Maxey Brown, NMOCD Date and Hour						
Robert Asher, Yates Petr	oleum Corpo	ration			7/19/2011 AM (email)						
Was a Watercourse Read		** KZ			If YES, Volume Impacting the Watercourse.					·	
If a Watercourse was Im		Yes ⊠			N/A						
N/A											
Describe Cause of Proble Hole in the Fire Tube in				Tranfa							
				Treates	•						
Describe Area Affected a	ind Cleanup A	Action Tak	en.*	111	4						
An approximate area of I NMOCD approved facili	ty. Vertical a	ı on well p nd horizon	ad. vacuum truci ital delineation sai	k caned mples v	to pick up rei vill be taken a	maining oii, impa nd analvsis ran fo	ctea son or TPH &	s to be scra 2 BTEX. I	aped up and	taken Ivtical	to an
TPH & BTEX are under	RRAL's a Fir	ial Report,	C-141 will be sul	bmitted	to the OCD r	equesting closure	. If the a	malytical r	esults are al	ove ti	ne RRAL's a
work plan will be submit Map), Wellhead Protect	ted. Depth to tion Area: No	Ground Distance	Water: 50-99' (a) to Surface Wate	pproxii er Bodi	mately 50', Serve > 1000', St	ection 14-T10S-I FE RANKING 1	R34E, pe S 10	r New Me	exico Chevr	on Te	xaco Trend
					•						
I hereby certify that the in regulations all operators	nformation give	ven above	is true and complete	ete to th	ne best of my	knowledge and u	nderstand	that purs	uant to NM	OCD r	ules and
public health or the envir	onment. The	acceptance	e of a C-141 repor	t by the	NMOCD ma	icked as "Final Re	nve acuc port" do	es not rele	ases which eve the oper	may el ator of	ndanger f liability
should their operations ha	ive failed to a	dequately	investigate and re	mediate	contamination	on that pose a thre	at to gro	und water,	surface wa	ter, hu	man health
or the environment. In acfederal, state, or local law	idition, NMO s and/or regu	CD accept lations.	ance of a C-141 r	eport do	oes not relieve	the operator of r	esponsib	ility for co	mpliance w	ith any	y other
	~	_				OIL CONS	SERVA	TION	DIVISIO	N	
Signature;	12015	\leq									
ingilaturo,	4:		}	\dashv	Annroved by I	District Superviso	·P*				
Printed Name: Jeremy Ha	ass						···				
Title: Environmental Reg	ulatory Agent				Approval Date: Expiration Date:						
E-mail Address: jhaass@	yatespetroleur	n.com		0	Conditions of Approval:						
Date: Friday, July 29, 201 Attach Additional Sheet			575-748-1471	2	RP-						





BREAKS, SPILLS AND LEAKS REPORT

Telephrica to find department,	Person Reporting Juan M. Sarabia			Time Reported:	5:00 p.m.	am	pm
1. LOCATION: Name of well or facility: Merie BOG St. # 3 Battery Location 990'x990' Section 14 Township 10s Range 34 e County: Lea Co. Surface Owner: Mineral Owner: Fee Federal State 2 2. TIME OF INCIDENT: Date: 07/18/11 Time: 5:00 p.m. am pm 3. SOURCE AND CAUSE; hole in the Fire Tube from the North Heater Treater 4. TYPE OF DISCHARGE X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of Oil 10	Person Reported to (Field Supervisor) No			Time Reported: _	5:00 p.m.	am	pm
Name of well or facility: Merle BOG St. # 3 Battery Location 990'x990' Section 14 Township 105 Range 34 e County: Lea Co. Surface Owner: Mineral Owner: Fee Federal State 2 2. TIME OF INCIDENT: Date: 07/18/11 Time: 5:00 p.m. am pm 3. SOURCE AND CAUSE: hole in the Fire Tube from the North Heater Treater 4. TYPE OF DISCHARGE X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of Oil 10 Barrels of Oil 10 Barrels of Water Barrels of Oil 10 Barrels of Oil 10 Barrels of Water Barrels of Oil 10 Barrels of Oil 10 Barrels of Water Barrels of Oil 10 B	Environmental Notification Coordinator	Bob Asher		Time Reported:	7:00	am	pm
Name of well or facility: Merle BOG St. # 3 Battery Location 990'x990' Section 14 Township 105 Range 34 e County: Lea Co. Surface Owner:							
Location 990'x990' Section 14 Township 10s Range 34 e County: Lea Co. Surface Owner: Mineral Owner: Fee Federal State 2 2. TIME OF INCIDENT: Date: 07/18/11 Time: 5:00 p.m. am pm 3. SOURCE AND CAUSE:hole in the Fire Tube from the North Heater Treater 4. TYPE OF DISCHARGE X Crude Oil Condensate Produced Water Gas Other Sestimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Oil 0 Barrels of Oil 0 Barrels of Water Barrels of Oil 0 Barrels of Oil 0 Barrels of Oil 0 Barrels of Water Barrels of Water Barrels of Oil 0 Barrels of Oil 0 Barrels of Water Barrels of Oil 0 Bar		00 Ct # 2 Datta	un s				
Surface Owner:				0.1	1 0-		
2. TIME OF INCIDENT: Date: 07/18/11 Time: 5:00 p.m. am pm 3. SOURCE AND CAUSE: hole in the Fire Tube from the North Heater Treater 4. TYPE OF DISCHARGE X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of 6. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soil Type and Condition: Callche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous:	Location 990'x990' S	ection 14 Tow	nship <u>105</u> Ran	ge 34 e County	: Lea Co.		
A. TYPE OF DISCHARGE X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Ba	Surface Owner:			Mineral Owner:	Fee Federal	State	X
3. SOURCE AND CAUSE: hole in the Fire Tube from the North Heater Treater 4. TYPE OF DISCHARGE X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: Secondary Containment type & condition: N/A Miscellaneous:	2. TIME OF INCIDENT:						
4. TYPE OF DISCHARGE X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of Oil Note That It is not the Note That It is north 6. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soll Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: Secondary Containment type & condition: N/A Miscellaneous:	Date: 07/18/11		Time: 5:00	o.m. am pm			
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X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of 6. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous:	3. SOURCE AND CAUSE: hole in the	Fire Tube from the	e North Heater 7	reater			
X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of 6. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous:		A COLUMN TO THE PARTY OF THE PA					
X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of 6. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous:							
X Crude Oil Condensate Produced Water Gas Other 5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of 6. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous:	A TYPE OF DISCHARGE						
5. QUANITY: Estimated Volumes Discharged: 45 Barrels of Oil 10 Barrels of Water Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil 0 Barrels of Water Barrels of Barrels of Oil 0 Barrels of Water Barrels of Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:		Produced Water	Gas O	her			
Estimated Volumes Discharged: 45 Barrels of Oil Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil Barrels of Oil Barrels of Oil Barrels of Water Barrels of Barrels of Barrels of Barrels of Barrels of Oil Barrels of Water Barrels of Barrels of Oil Caliche Pad Distance & Direction to fresh water wells or watercourse: Secondary Containment type & condition: N/A Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:	X oracle on						
Barrels of MCF Gas Estimated Volumes Recovered: 30 Barrels of Oil Barrels of Water Barrels of Barrels of Barrels of Oil Barrels of Water Barrels of Barrels of Oil Barrels of Water Barrels of Barrels of Oil Barrels of Water Barrels of Oil	5. QUANITY:						
Estimated Volumes Recovered: 30 Barrels of Oil Barrels of Water Barrels of 5. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad 2 miles north Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:	Estimated Volumes Discharged:	45	Barrels of Oil	10	Barrels of Water		
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Barrels of 6. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:			MCF Gas				
6. SITE CHARACTERISTICS: Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:	Estimated Volumes Recovered:	30	Barrels of Oil	0	Barrels of Water		
Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:			Barrels of				
Weather Conditions: DRY 5-10 mph Soil Type and Condition: Caliche Pad Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:							
Distance & Direction to fresh water wells or watercourse: 2 miles north Secondary Containment type & condition: N/A Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:		_			Nation David		
Secondary Containment type & condition: N/A Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:					Saliche Pad		
Miscellaneous: 7. IMMEDIATE CORRECTIVE ACTION:			2 miles north				
7. IMMEDIATE CORRECTIVE ACTION:	Secondary Containment type & condition	on: <u>N/A</u>					
	Miscellaneous:						
	7 IMMEDIATE CORRECTIVE ACTION	J•					
Andrew and the control modella.			s. Of oil . put ba	ck in production	tank.		
	TOUGH AND WHO WHO TO COME OF RESIDENCE			•			

Received by OCD: 9/20/2021 3:50:47 PM

Treat in place

BREAKS, SPILLS AND LEAKS REPORT

8. SITE ASSESMENT Exact Location of Spill: (sketch) N Wellhead Pumping Unit Heater Treaters Oil spill Estimated Vertical Extent: _____ feet / inches Horizontal Extent: 110 X 10 Degree of Contamination: Highly Contaminated/Saturated Packed Caliche Unsaturated 9. REMEDIAL ACTION: Excavate, and landfarm on location x Excavate, remove and replace contaminated soil, left excavated for environmental testing

Date: 7/29/2011 Time: 2:34 PM

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PI/Dwights PLUS on CD Well Summary Report

<u> PI/D</u>	wigh	ts P	708 (on CD	W	en Su	ımn	lar	y Re	port					
			G	eneral Info	rmati	on			100 pa mi no mi no sa 20 20 20						
State				EW MEXIO					Final St	tatus	:	GAS			
County :				LEA					Drill Total Depth :			12670			
				LANE SOUTHEAST					Log Total Depth :			2-011			
Operator Name :				YATES PETROLEUM CORP					_	ertical Dep	th :				
Lease N				ERLE STA			_			T					
Well N			: 3	DIGID DATE					Spud D	ate	:	JAN 1	10, 2006		
API Number				30025375450000					Comp Date				MAR 15, 2006		
Regulatory API :				3002537545											
Init Lahee Class :				WO					Hole Direction			VER'I	ICAL		
Final Lahee Class :				WDD					Reference Elevation :			4190	KB		
	Number	_	:						Ground Elevation :			4173			
	ic Provin	ce	: P	PERMIAN BASIN					KB Elevation :			4190			
	ion at TD		: 35	352MSSPL MISSISSIPPIA				IAN:	1 LOWER						
Oldest.	Age Pen		; 35	52		MISS	(SSIPP)	IAN	OSAGI	AN					
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Range	-		: 34	I E					Spot		:	NW S	E SE		
Base M	leridian		: N	EW MEXI	CO										
				dditional I	ocatic	n Inform	nation			**********		-=			
	. T aantia							ESS	SECTIO	N					
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Longitu				-103.4288700				Longitude (Bot) :							
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				ST_FIELD					0.9 MI	W X-4 RA	NCH EAS	T FLD(ATOKA)		
			T.	iitital Pote	ntial T	acte									
	Ton		Base		гиаг т Гор	Base					Prod		Test		
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001	JJAA	CL	IP Vo		132	12101	2.,0								
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Test	Amour		Desc	Amount			Amo	unt	Unit	Desc A	Amount Ur	nit De	sc		
001		1 BPL					19	14	MCFD		1 BI	3L			
			IP Pre	ssure											
Test	FT	P .	SITP	FCP	SIC	P									
001	55	0													
				reatment											
Test	Top	Base		Meas An	ount	T/P	PSI	In	j Type		Agent				
001	12152	12187		GAL					ACI	D		NEFE			
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Test	Top	Base	Туре	Method	1	Top For			e Form	Status			ensity r	-61	
001	12152	12161		PERF		354AC			ACCL ACCL		20 48				
001	12164	12187		PERF		334AC	UL.	334	ACCL		70	,			
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453YT	ES Y	ATES						28	33				LOG		

Date: 7/29/2011 Time: 2:34 PM

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453SADR	SAN ANDRES				4090	LOG	
453GLRT	GLORIETA				5536	LOG	
452TUBB	TUBB				6992	LOG	
452ABO	ABO /SH/	`			LOG LOG		
451WFMP	WOLFCAMP			9072			
404STRN	STRAWN				LOG		
403ATOK	ATOKA				LOG		
402MRRW	MORROW				LOG		
354ACCL	AUSTIN CYCL	E			12150	LOG	
354CRLM	CHESTER LM				12279	LOG	
352MSSPL	MISSISSIPPIAT	N LOWER			12350	LOG	
		Log Data					
				Log	Max		
Run No	Log Type	Top	Base	MD	Temp		
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` 1	HRLA						
1	BHCS						
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9 5/8	IN 4110	1575	SACK				
7	IN . 12670	2380	SACK				
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Size	Base Depth	Mixed Strip					
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	· · · · ·						

MERLE ST UT #3 Sec. 14 10S 34E 990 FSL 330 FWL

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GO NORTH OF TATUM, NM TO CROSSROAD, NM. TURN WEST ON CO ROAD (CARROLL ROAD). GO APPROXIMATELY 6.4 MILES. TURN SOUTH THRU THE CATTLE GUARD AND GO APPROXIMATELY 4.2 MILES TO WHERE THE ROAD T'S. TURN EAST AND GO APPROXIMATELY 1.5 MILES. THE NEW ROAD WILL START HERE AND GO SOUGHT FOR APPROXIMATELY ½ MILE.

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Jeremy Haass

From:

Bob Asher

Sent:

Tuesday, July 19, 2011 8:36 AM

To:

' (MaxeyG.Brown@state.nm.us)'

Cc:

Jerry Fanning; Lisa Norton; Amanda Trujillo; Amber Cannon; Jeremy Haass

Subject: Release (Merle BOG State #3)

Yates Petroleum Corporation is reporting a release at the following location.

Merle BOG State #3 30-025-37545 Section 14, T10S-R34E Lea County, New Mexico

Date/Time of Release: 7/19/2011; AM

Released: Approximately 45 B/O & 15 B/PW Recovered: Approximately 30 B/O & 0 B/PW

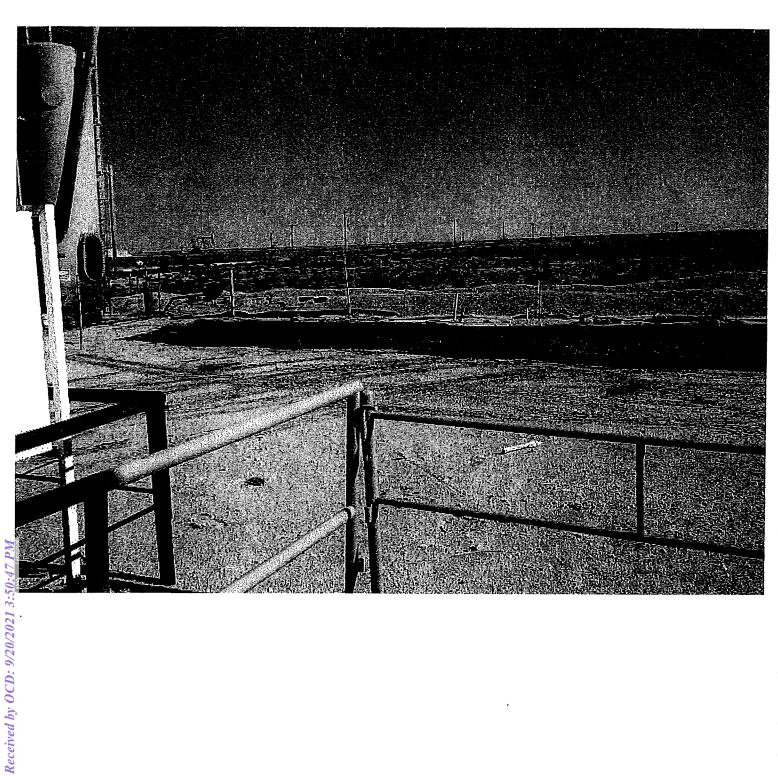
The release was caused from a hole in the fire tube of a heater treater, vacuum truck called. Crew called to begin cleanup work.

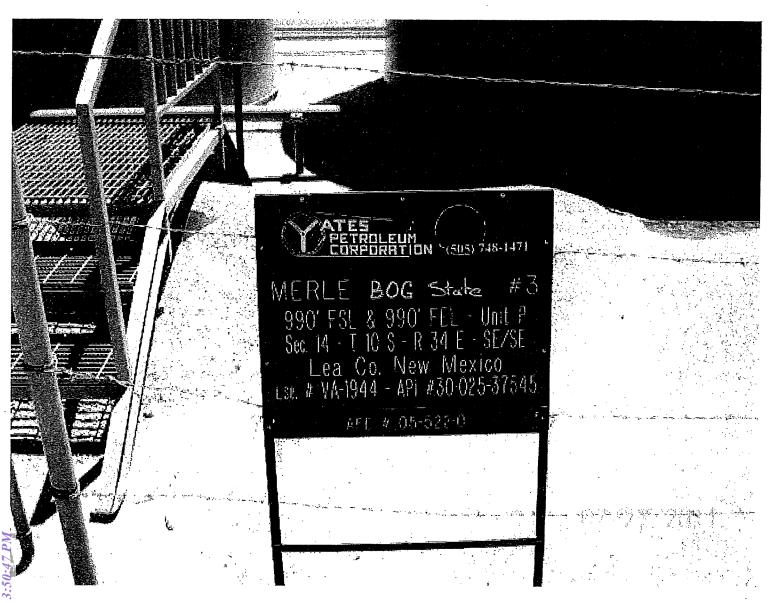
A C-141 Initial Report will be submitted with complete details.

Thank you.

Robert Asher Senior Environmental Regulatory Agent Yates Petroleum Corporation 575-748-4217 (Direct) 575-365-4021 (Cell) boba@yatespetroleum.com

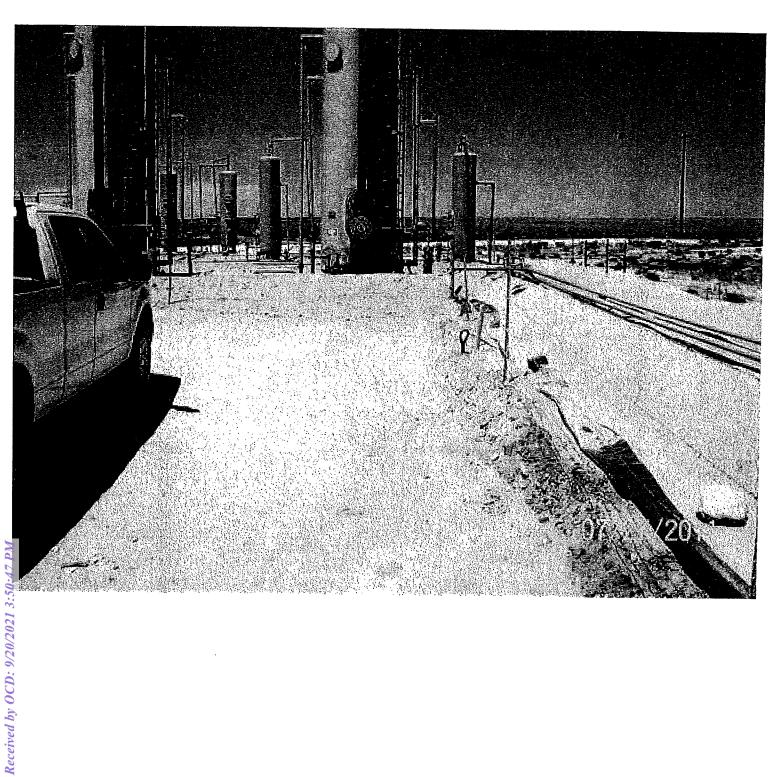


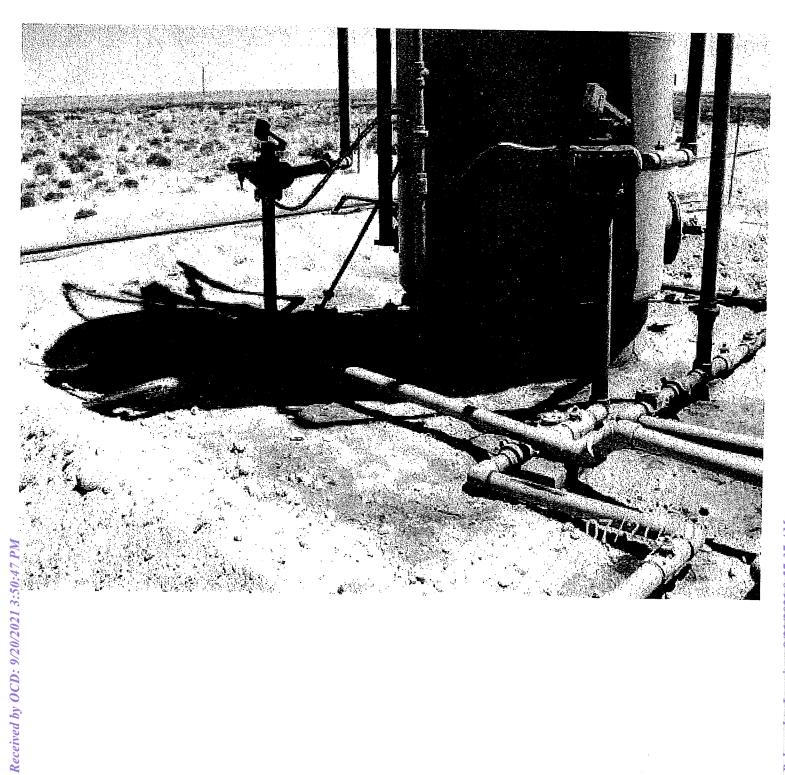


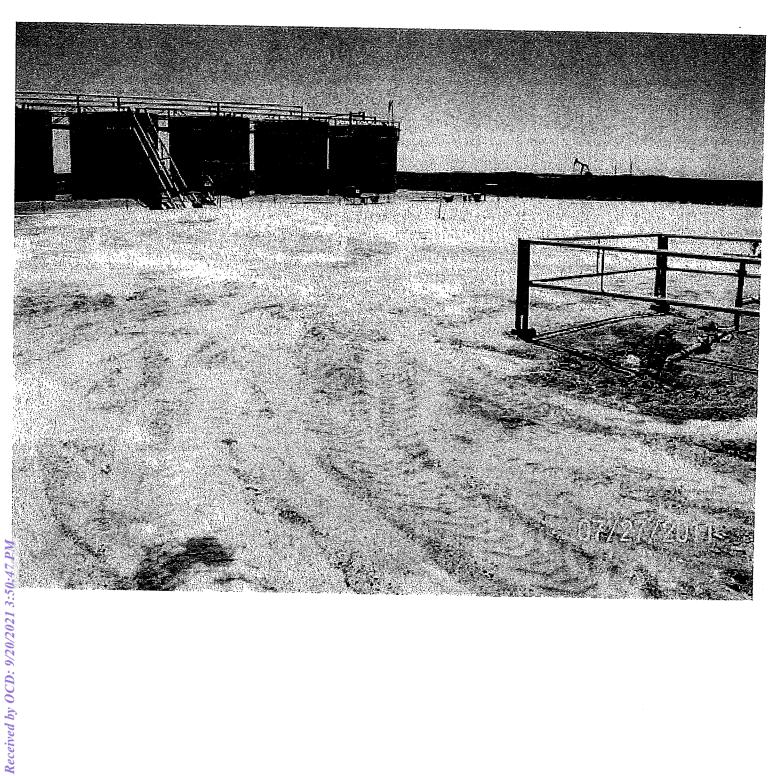




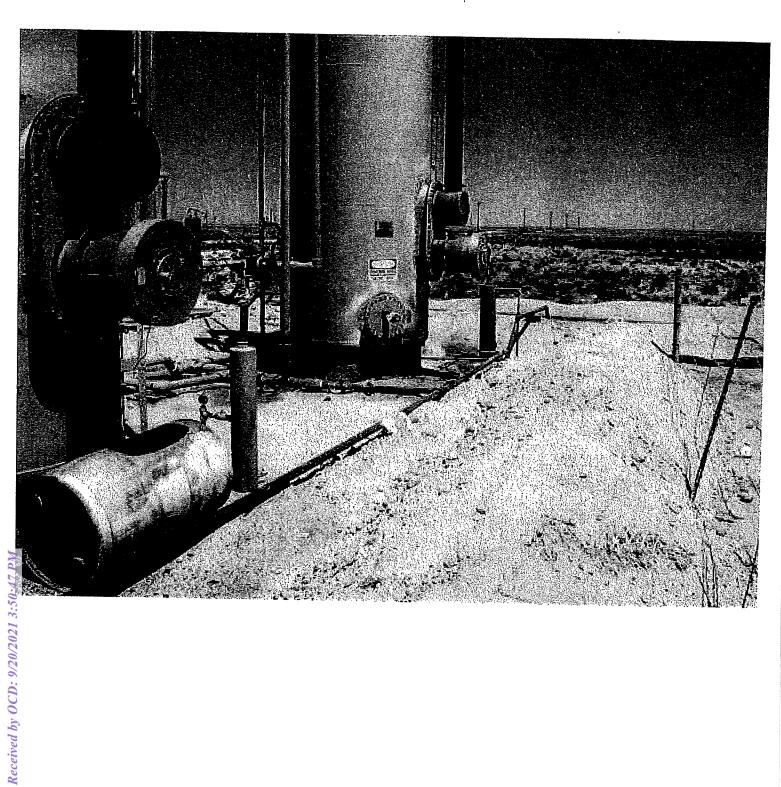


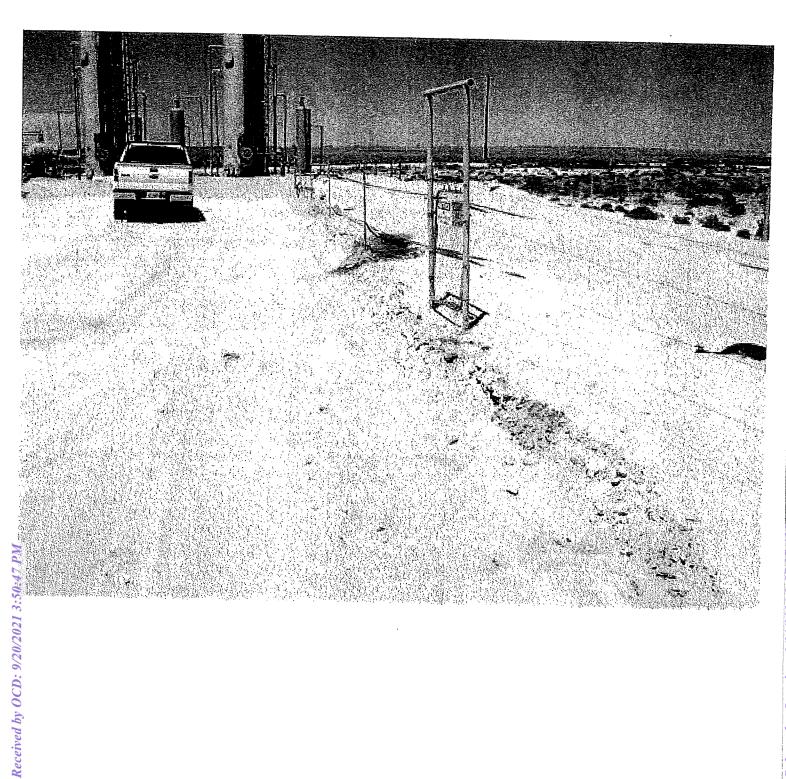












District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 50440

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	50440
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date			
bbillings	None	9/21/2021			