

# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

#### **BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

#### BASS ENTERPRISES PRODUCTION COMPANY

April 3, 2006

901 North Canal, Suite 704 Carlsbad, NM 88220

#### APPROVAL OF FINAL REPORT C-141 - POKER LAKE UNIT 50 (30-015-23283)

The NMOCD District 2 Office has completed a review of the Remedial Action Final Report submitted by The S.M. Stoller Corporation on behalf of Bass Enterprises Production Company. The attached Final Report C-141 has been approved and the violation case number CLB0535030898 has been closed.

Thank you for your prompt attention to this matter and your efforts in protecting the environment.

Chris Beadle

Artesia OCD District Office

<u>District I</u> 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

\* Attach Additional Sheets If Necessary

#### State of New Mexico **Energy Minerals and Natural Resources**

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

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

Form C-141

Revised October 10, 2003

## **Release Notification and Corrective Action**

						<b>OPERA</b>	ГOR		☐ Initia	al Report	Final Report
Name of Co	mpany 🥈	Dass & r	terpri	ses				عميرمر	acid _		
Address 9		<u>Lanali</u>	Suite ?	704 Carlsh		Telephone N		1	7329		
Facility Nar	ne Pok	es habe	Marit	# 0.50	<u>   1</u>	Facility Typ	e Tank 1	batte	27	-	
Surface Ow	ner B	$\overline{n}$		Mineral O	wner				Lease N	Vo.	
		·		LOCA	TION	OF RE	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/S	South Line	Feet from the	East/W	est Line	County	
草	4	255	315	660 FAL			1980 F&L			Edde	-{
			La	titude		_ Longitud	le				7
				NAT	URE •	OF REL	EASE				
Type of Rele	ase Prod	uced fli	مكفده	ind Oil			Release works			Recovered -	
			Mari	fold Catch	gasia		lour of Occurrence				covery 12/13/05
Was Immedia	ite Notice (		Vec 17	No □ Not Re	auired		Whom? A let				
D 33/10		<u></u>		140   Hot Ke	quired	Date and H	00 # 101B	5053	4740	358 on	12/1 <b>6</b> /05
By Whom? Was a Water	course Read	hed?			-		lour lume Impacting t	the Wate	rcourse	nla	
Was a Water	course reac		Yes [7	No		li i ES, ve	name impacing i	ine wate	ourse.	Nγα	
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.	* nla		I					
				1.7-2							
Describe Cau	se of Probl	em and Reme	dial Actio	n Taken.* The	shut-c	x4-0000e	at the ma	biotin	catch	basine	was not closing placed. lass cover was
Coberra	thusetore	1 Spult	vere 1	leaking and	over	Hanjva	the basin	. The	و جاريو و	was re	placed.
The water	s tank	Nay Opera	الص	causing produc	ed 4(c	mgs to le	t notion t	he gro	icund. t	t tibergi	iass cover was
but ou tr	e tank 1	to prevent	t it too	om overtbu	ina;						.20 foot diamle out Ya Cubic ated arecus
Describe Are	a Affected	and Cleanup A	Action Tal	ken.* The Soil	ح سرک	ser neath	the catch	Dasi	n of a	bout a	. 20 foot diamle
ong 8 too	t deep ,	weic imp	acted,	The soils on	the :	southeas	t side of the	و بن م	er town	cofab	out 1/2 cutsic
doeg on	erc imp	acted. Th	ussic s	soils were e	xcauc	icted an	d hauled t	to CR	I. The	. excav	ated areas
were th	en bac	kfilled.									
				e is true and compl							
	regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability										
should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other											
federal, state, or local laws and/or regulations.											
	OIL CONSERVATION DIVISION						<u>)N</u>				
Signature	Tib.	v W	ack	e mondo	7				T	M GUM	
			- //			Approved by	District Supervis	or:		by MB	æ
Printed Name			UKY	ayov						wy uvild	
Title: A	P.5	•				Approval Da	te: 4/3/c	E کا	Expiration	Date:	
E-mail Addre	ss: MGaz	AYGOODG	wrop	Eleds. Co	M	Conditions of	Approval:			Attached	
Date: 3 -	13-6	26	Phone	887-732	29						· <del>-</del>





March 8, 2006

Chris Beadle New Mexico EMNRD Oil Conservation Division 1301 W. Grand Artesia, NM 88210 MAR 1 5 2006

RE: Transmittal of Remedial Action Final Report for Poker Lake Unit No. 050.

Attached for your review are the Remedial Action Final Reports for Poker Lake Unit No. 050. Stoller is pleased to submit this report on behalf of Bass Enterprises Production Company. The report recommends that no further actions be required at this time with regard to hydrocarbon contamination. However, the report also states that if chloride contamination is present below the surface of the active pad and remediation is necessary it will be remediated, as required by NMOCD and BLM guidelines, during normal site restoration activities when the well location is permanently abandoned.

If you have any questions regarding the report, please do not hesitate to contact Christy Box at (505) 885-0172 or Harry Bolton at (303) 546-4300.

Regards,

Donald L. George

Assistant Vice President

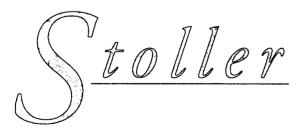
cc: Mike Waygood, Bass Enterprises Production Company

Terry Gregston, BLM

## **Bass Enterprises Production Company**

# Remedial Action Final Report Poker Lake Unit No. 050

March 3, 2006



Submitted by The S.M. Stoller Corporation 314 W. Mermod, Suite 102 Carlsbad, New Mexico 88220 (505) 885-0172

## **Table of Contents**

Executive Summary	
Introduction	1
Site Location and Description	1
Response to Release	2
Methods of Remediation	2
Sample Analysis	4
Contaminated Soil Disposition	5
Corrective Actions Taken by Bass Enterprises	
Conclusions and Recommendations	6
Attachment A – NMOCD Letter of Violation	7
Attachment B – Figure 1 Site Sketch	S
Attachment C – Headspace Testing for Volatiles	1C
Attachment D – Sample Chain of Custody	13
Attachment E – Cardinal Laboratories Analytical Report	
Attachment F Waste Acceptance Document	18

#### **Executive Summary**

The New Mexico Oil Conservation Division, District 2 Office, issued a letter of violation to Bass Enterprises Production Company for a spill at Poker Lake Unit No. 050. The S.M. Stoller Corporation and Mesquite Services, Inc. conducted remediation activities beginning January 31, 2006. Contaminated soils were excavated, verification samples collected for laboratory analysis, and the excavations backfilled. Contaminated materials were transported offsite to Controlled Recovery, Inc. Laboratory analysis of soil samples confirmed field-screening methods. Areas impacted by crude oil spills have been remediated in compliance with Division guidelines.

All highly contaminated/saturated soils were removed to the maximum extent practicable. Unsaturated hydrocarbon contaminated soils left in place have concentrations that do not pose a threat to human health or the environment. Therefore, no further remedial actions of hydrocarbon impacted soils are recommended for the site.

One chloride sample was collected below ground surface within the bermed area near the produced water tank. This sample confirmed the presence of chloride contamination below the surface of the pad. No subsurface remedial actions are recommended for chlorides at this time. However, these soils should be remediated, as required by NMOCD guidelines, during normal site restoration activities when the well location is permanently abandoned.

#### Introduction

A New Mexico Oil Conservation Division (NMOCD), District 2 Office, letter of violation dated December 16, 2005, was issued to Bass Enterprises Production Company (Bass) regarding the Poker Lake Unit No. 050 site (Attachment A). NMOCD had identified surface leaks/spills during a routine site inspection. Specifically, produced fluids had impacted soils at the blow-down line, at the water tank within the bermed area, and at the crude manifold catch basin. NMOCD did not require a remediation work plan for this release. Stoller reviewed the ranking criteria for this site to determine the recommended remediation action levels and determined the total ranking score to be between 0-9.

### **Site Location and Description**

Poker Lake Unit No. 050, unit number 2, is located in section 4, township 25 south, range 31 east in Eddy County, New Mexico. The site contains a wellhead, oil/water separator, tank battery, and related piping. The tank battery has three crude oil stock tanks and a produced water storage tank within the bermed area. Figure 1 is a sketch of the site showing the physical features and contamination zones addressed by the remedial action (Attachment B).



#### Response to Release

Bass Enterprises contracted The S.M. Stoller Corporation (Stoller) and Mesquite Services, Inc. (Mesquite) to provide remedial services in response to the above referenced NMOCD letter of violation.

Stoller inspected the site on January 30, 2006, in advance of remedial activities. Stoller provided environmental oversight for Mesquite during cleanup operations that commenced on Tuesday, January 31, 2006 and finished on Wednesday afternoon, February 1, 2006.

Upon arrival to the site Stoller identified the three areas in need of remediation, as specified by the NMOCD letter of violation:

- 1. The area north of the well at the end of the blow-down line (Excavation 1)
- 2. At the crude oil, truck-loading manifold catch basin (Excavation 2)
- 3. On the southeast side of the produced water storage tank inside the berm (Excavation 3)

Excavations and sample locations are identified on Figure 1.

#### **Methods of Remediation**

Stoller provided supervision of the remedial activities and directed Mesquite personnel as to the location and size of each excavation. Excavations 1 and 2 were dug with a backhoe and excavation 3 was dug by hand. Visual observations of soil staining and hydrocarbon odors guided initial work during removal of highly contaminated/saturated soils. Stoller used a photoionization detector (PID) to screen impacted soils and assess the extent of contamination. The PID was calibrated and a benzene response factor was used to adjust the instrument so readings more accurately reflected benzene concentrations.

Headspace samples were collected periodically as highly stained soil removal progressed. Soil removal stopped when headspace analysis indicated volatiles were either less than 100 ppm or soils were removed to the maximum extent practicable. Confirmation samples were collected from the sidewalls and bottoms of the excavations final headspace and for offsite laboratory analysis.

Excavation 1, north of the wellhead at the end of the blow-down line, was heavily impacted by the release of produced fluids. Free liquids were ponded at the end of the line and additional fluids were drained from the line during remediation. All free liquids were adsorbed by highly contaminated soils and transported offsite. Soil staining extended to 5.5 feet below the ground surface, terminating in extremely hard caliche bedrock. The backhoe encountered refusal on the bedrock surface.

Due to the configuration of the bedrock, digging on the east sidewall and bottom was accomplished as far as practicable. The finished excavation measured about 16 feet wide,



15 feet long, and averaged 5 feet deep. About 40 cubic yards of contaminated soil was removed from Excavation 1. As presented on the Headspace Testing for Volatiles forms dated 1-31-06 (Attachment C), the blow-down line excavation confirmation samples (numbers 2 and 5) had PID readings of 612 and 690 ppm respectively. These samples were collected from the base of the east wall of the excavation and the center bottom. The caliche bedrock surface prohibited collection of adequate soil to eliminate headspace in 4-ounce sample jars. Loose soils in these locations were collected as the best alternative to representative samples of the bedrock.

Laboratory analytical results of these confirmation samples reflect higher than recommended BTEX and TPH levels from these locations. However, the extremely hard nature of the caliche layer made it impossible to excavate further. Excavation 1 was backfilled with clean silty sand excavated from a knoll on the edge of the site. A composite sample (PLU50BDL6) of the contaminated soil stockpile was collected for waste documentation purposes.

Excavation 2, at the crude oil, truck-loading manifold catch basin, had a surface stain about 20 feet in diameter, centered under the box. This stain was likely the result of liquids overflowing from the catch basin. No free liquids were present. Soft caliche was encountered about 2.5 feet below the surface. Around the perimeter of the excavation staining extended vertically to about 1 foot below the surface. From that depth contamination generally tapered toward the center of the excavation. Strong odors and staining were evident to about 5 feet below the surface in the center of the excavation. The caliche hardened at 5 feet but did not prevent the backhoe from excavating deeper. Moderate hydrocarbon odors continued to a depth of 8 feet below the surface although no staining was evident. The final excavation measured about 20 feet in diameter at the surface. It was roughly conical, tapering to depth at 8 feet below the surface. About 36 cubic yards of contaminated soil were removed from the excavation.

Confirmation soil samples were collected from the sidewalls and bottom of the excavation. The depth and configuration of the excavation prevented safe entry for sampling. Therefore, the backhoe bucket was used to collect the sample from the bottom of the excavation. This compromised the quality of the confirmation sample because the sample included material that had sloughed into the bottom of the excavation. The maximum headspace reading from this sample was 806 ppm. The corresponding confirmation sample sent to an offsite laboratory for analysis (PLU50MCB12) had a total BTEX level of less than 108 ppm, slightly in excess of the recommended cleanup level. Excavation 2 was backfilled immediately following confirmation sampling because the shape and depth of the open excavation posed a safety hazard. Caliche rock scraped from the west edge of the surface pad was used for fill. Fill material was compacted into the excavation with the backhoe to provide a firm surface for vehicle traffic. A composite sample (PLU50MCB15) of the contaminated soil stockpile was collected for waste documentation purposes.



Poker Lake Unit No. 050

Excavation 3 consisted of hand digging on the southeast side of the produced water storage tank. About ½ cubic yard of oil and brine stained soil was removed from this location. The maximum depth of soil removal was about three inches. Initial headspace testing from this excavation indicated almost no volatiles. A confirmation sample was collected for TPH analysis following soil removal. The sample, collected from what was initially the most highly stained area, was sent to an offsite laboratory. Analytical results of the sample (PLU50SWT13) had a TPH concentration of 5,864 ppm.

A second confirmation sample was sent to the laboratory from this area and analyzed for chlorides (PLU50SWT16). This excavation required no backfilling, being so shallow and within the berm of the active tank battery. Laboratory results are presented in the following section.

#### Sample Analysis

Headspace testing results were documented on the Headspace Testing for Volatiles form and are included as Attachment C. Contaminated soils were removed from all excavations until soil vapor measurements were less than 100 ppm or to the maximum extent practicable. Headspace sample prefix designations are BDL (blow-down line) for Excavation 1, MCB (manifold catch basin) for Excavation 2, and SWT (salt-water tank) for Excavation 3.

Confirmation samples were transported by Stoller and relinquished under chain-of-custody to Cardinal Laboratories in Hobbs, New Mexico, for analysis. Chain-of-custody forms are included as Attachment D. The samples were analyzed for BTEX by method 8260, TPH by method 8015 M, and chlorides by method 4500-CL<sup>-</sup>B. Laboratory results verify field-screening results. Attachment E includes copies of the laboratory certificates.

Benzene is less than the recommended remediation action level (10 ppm) in all samples analyzed. TPH and BTEX results exceeded 5,000 ppm and 50 ppm in samples from the bottom (PLU50BDL5) and east sidewall (PLU50BDL2) of Excavation 1.

Total BTEX exceeded 50 ppm in the sample collected from the bottom of Excavation 2 (PLU50MCB12) that contained sloughed material. In addition the soil stockpile sample from Excavation 2 (PLU50MCB15) also exceeded both total BTEX (50 ppm) and TPH (5,000 ppm) guideline levels.

As stated earlier, the TPH result for Excavation 3 slightly exceeded 5,000 ppm. The chloride sample from Excavation 3 was analyzed and had a chloride concentration of 4,894 ppm.

Table 1 presents a summary of laboratory analytical results for hydrocarbon samples including two samples collected for landfill waste documentation.



Table 1
Laboratory Analytical Results of Hydrocarbon Analysis

Sample Name	Headspace	Benzene	Total	TPH GRO	TPH DRO	
-	Analysis	(ppm)	BTEX	(ppm)	(ppm)	
	(ppm)		(ppm)			
PLU50BDL1	85	na	na	314	2650	
*PLU50BDL2	612	1.05	61.17	1430	8310	
PLU50BDL3	60	na	na	29.6	754	
PLU50BDL4	47	na	na	141	1760	
*PLU50BDL5	690	2.20	163.26	1120	8180	
PLU50BDL6	Samples colle	cted for landfill v	vaste acceptance			
PLU50MCB4	42	na	na	<10	<10	
PLU50MCB5	20	na	na	<10	10.5	
PLU50MCB6	84	na	na	<10	500	
PLU50MCB11	50	na	na	<10	124	
**PLU50MCB12	806	0.168	107.56	1200	3300	
PLU50MCB15	Samples collected for landfill waste acceptance					
PLU50SWT13	47	na	na	564	5300	

Note: na = not applicable

### **Contaminated Soil Disposition**

Mesquite transported contaminated soils excavated at Poker Lake Unit No. 050 to Controlled Recovery, Inc. for treatment and final disposition as exempt waste. Copies of the waste acceptance documents are included as Attachment F and indicate about 70 cubic yards of contaminated soil were removed from the site.

## **Corrective Actions Taken by Bass Enterprises**

During remediation activities Stoller notified Bass Enterprises that the sources of hydrocarbon and chloride contamination had not been fully mitigated. Bass Enterprises made the following facility improvements in an effort to prevent future releases:

- Re-plumbing the blow-down line through the recovery system, eliminating potential releases at the location of Excavation 1
- Installing new valves at the truck loading manifold catch basins (both crude and produced water), ensuring the valves do not leak during truck on-loading
- Upgrading the down-pipe into the produced water tank
- Installing a cover over the open-topped tank to prevent chloride contamination as a result of wind (cover ordered at time of remediation)



<sup>\*</sup> Sample collected at point of refusal on top caliche layer (equipment could not penetrate further)

<sup>\*\*</sup> Sample collected from bottom of excavation and contained sloughed material

#### **Conclusions and Recommendations**

As stated in the NMOCD "Guidelines For Remediation of Leaks, Spills, and Releases," a total ranking score of 0 –9 is applicable to this site. Therefore, the recommended remediation action levels are 10 ppm benzene, 50 ppm total BTEX, and 5,000 ppm TPH.

Laboratory analysis confirms cleanup goals have largely been achieved. Those samples where analytical results for hydrocarbons exceed recommended remediation levels represent locations at which contaminated soils have been removed to the maximum extent practicable.

Based on the following, it is recommended that natural attenuation be allowed to continue and that no further remedial actions are recommended for subsurface hydrocarbon contamination at this site:

- All highly contaminated and saturated soils have been removed from the site
- Bass Enterprises has mitigated all sources that were known to have caused spills and leaks of production fluids in the past, thus minimizing the likelihood of future releases
- Residual hydrocarbons left in place have been covered with clean backfill material and do not pose a threat to human health or the environment
- There is no threat to groundwater because only residual levels of hydrocarbon remain at depth and the thickness of the backfill material (5-8 feet) will act as an infiltration barrier preventing further downward migration

There were no visible signs of chloride spills or contamination outside of the perimeter of the active production pad and no remedial actions are recommend at this time. The one sample analyzed for chlorides near the produced water tank confirmed that chlorides have contaminated soils beneath the pad. Therefore the following recommendations are made:

- Whenever produced water leaks or spill onto surface of the pad impacted soils should be removed and replaced with clean material to prevent further downward migration or runoff of chloride contamination.
- When the Poker Lake Unit 050 site is abandoned and site restoration activities are undertaken, the pad and underlying soils should be retested for chlorides and remediated as required by regulatory guidelines.



## **Attachment A - NMOCD Letter of Violation**

2/22/05 13:44 FA	X 432 687 0329	BEPCO	Fax to Carlsban  fax to Carlsban  MINERALS and file 1001
·	•		Car to Carlsba
400	NEW MEXI	CO ENERGY,	MINERALS and sile 100
		•	ES DEPARTMENT
	NATURA	AT KESOOKCI	ES DEFARIMENT
BILL RICHARDSON			Mark E. Fesmire, P.E.
Governor Joanna Praktop			Director Off Conservation Division
Cabinet Sourcesy			
	77n.,n.,n	o kan Sergaribia Korgano waka kangalis of dan hawa	CECU - WIN DOWNSTANDER
			DEC 2 2 2005
16-Dec-05			1
			RECEIVED
BASS ENTERPRISES PO BOX 2760	PRODUCTION CO		
MIDLAND TX 79702	•		
			LETTER OF VIOLATION - Inspect
Dear Operator:			
Rules and Regulations of The detail section indicas inspection of your well of Please notify the proper	Conservation Division as of f the Division, corrective a tes preliminary findings a or facility by an inspector of	described in the detail section action must be taken immedi- ad/or probable nature of the employed by the Oil Conser- sion, in writing, of the date or	a below. To comply with standards imposed by intely and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated, prective actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the detail section action must be taken immedi- ad/or probable nature of the employed by the Oil Conser- sion, in writing, of the date or	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective in the preliminary findings as ar facility by an inspector of district office of the Divis to made to reiospect the we	described in the dettill section action must be taken immediandly probable matter of the employed by the Oil Conser- sion, in writing, of the date of all and/or facility.	a below. To comply with standards imposed by atoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated. ownertive actions are scheduled to be made so
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective to preliminary findings as a facility by an inspector of the Division and the Division made to reinspect the work of the Division and the reinspect the work of the Division and the Division a	described in the detail section must be taken immedian methor probable matter of the employed by the Oil Consersion, in writing, of the date of the matter facility.  SPECTION DETAIL SE	a below. To comply with standards imposed by stoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated.  COTTON
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective to preliminary findings as a facility by an inspector of the Division and the Division made to reinspect the work of the Division and the reinspect the work of the Division and the Division a	described in the detail section must be taken immediandly probable matter of the employed by the Oil Consersion, in writing, of the date of the multar facility.  SPECTION DETAIL SE	a below. To comply with standards imposed by stoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated.  COTTON
of the New Mexico Oil C Rules and Regulations of The detail section indicat inspection of your well of Please notify the proper	Conservation Division as of the Division, corrective to preliminary findings as a facility by an inspector of the Division and the Division made to reinspect the work of the Division and the reinspect the work of the Division and the Division a	described in the detail section must be taken immedian methor probable matter of the employed by the Oil Consersion, in writing, of the date of the matter facility.  SPECTION DETAIL SE	a below. To comply with standards imposed by stoly and the situation brought into compliance, violation. This determination is based on an vation Division on the date(s) indicated.  COTTON

POKER LAKE UNIT No.6 Impertion Type Inspection	50	Violation?	2-4-25S-31E *Significant	39-015-23283-09-00 Corrective	impertion No.
page 1ype inspection 12/13/2005 Routine/Period	-		Non-Compliance?	Action Duc By: 1/17/2006 i	CLB0534740358
Commonts on Inspection:	Well has had a release of man north/south of wellhead at an wellhoad and east of the tank indicative of a release 50 MCI	ral gas on this locati average width of 45 battery has been imp	on. Iron sulfide resi feet. Vegetation in sected. Area of visit	dues extend over 300 fe the pasture to the south Me impact by iron sulfid	et of
	Produced fluids have Impacte impacted solls at truck loading overflowing. Water tank has inside beam.	g manifold where the	catch basin has bee	n allowed to fill to	
	Remediation is required for bi scrivities that occur on locatic publication "Guidelines For B found on the NMOCD web si Handbook> Miscellancous Gr	n must comply with temediation of Leak te: www.emmd.state	the soil remediation i, Spills, and Release inmus/ood, under P	guidelines in OCD sr. This document may ublications> Environme	r be
	Notify NMOCD District 2 Of may be submitted to the OCD		n taking samples wh	ere results of the sample	Dis .
	Remediation work plan is not 2006. Notify NMOCD Distri				17,
In the event that a satisfactor above, further enforcement v summoning you to a bearing plug and abandon this well.	vill occur. Such enforceme before a Divison Examine	nt may include this in Santa Fc to she	s office applying to w cause why you	the Division for an o should not be ordered	order I to permanently
Sincerety,					
V/14/					
Artesia OCD District Office					
Artesia OCD District Office Note: Infom	sation in Detail Soution comes do				
		vents are reported direct	uty to the EPA, Region	VI, Daffas, Texas.	
	Significant Non-Compliance of	vents are reported direct	uty to the EPA, Region	VI, Daffas, Texas.	

# Attachment B - Figure 1 Site Sketch

Stoller	JOB NO.: 4/02-050 DATE: 1-31-06 JOB NAME: BHSS BREALAKE UNT # 2-1-06
louter	PREPARED: REVIEWED:
	SHEET NO.:/_OF
J. Stockyale  J. Stockyale  J. Stockyale  J. Stockyale	01/4 mas 35 pools
	[2]
Coude Coude Co	rude Problet (18) Escarge 3
	rude Printices 11 1
17/1 Contemunation ZONE	
4 Sangle location	
POKEN LAKE	UNA 16 USO 1
Site P	(en.
Not -20	Scale

# **Attachment C – Headspace Testing for Volatiles**

5	t	0	l	l	e	r

Page \_/ of \_Z\_

HEADSPACE TESTING FOR VOLATILES						
Project Name: BASS Est. PLU 50 4 HI	Engineer: R. Rupp					
Project No.: 4/02-050	Date: / 31-86					
Instrument Type: Gets Alexa Micro 5	Calibration Date: 1-30-06					
Serial No.: <u>SK /05-D26/28</u> Calibra	ntion Gas Type/Concentration: 100 ppm Zeobaty/a-					

Photoionization Bulb Power (eV): 10 Room Temperature (F): 75

Sample Number	Sampling Location	Sample Depth (Ŧī-)	Sample Matrix	Peak Instrument Reading (ppm)	Comments	
Blow	DOWY	and	SCAVA	770N		
BDL STK!	ik stypik	NA	soil	115 ppm	and In south side cros	o
BDL 55W	Exc.	3'	Soul	69"	1000 1056	
BOL ESN	Exe	3'	Soil	7.0	@1057	
BDL NSW.	Ext.	3'	Soil	150 -	@ 1058	
BOLNSM	Flex	3'	Soil	130 -	C/159	
BDL 3000	y exc	41	Sil	520	1100	
BX Bath	42 Exc	4'	evil.	830	1102	
BDL Both	3 EMC	5.5	Soil	400	on bedrock colife - peper	CO 1143
DDL Boston	4/ Exc	5.5'	Soul	702.0	on bedrock relater response	
BDL WSN	#2 Sx2	31	Sil	70.0	@ 1146	
MEB	Serlare	01	cril	Marcela	after hand scentify - need in	n Ecolor
SWT #1	East	0'	Soylan	W8.0	other hand Executed is section	
SWT #2	58	01	suffer	14.0	after hard excepting esalt	
		. 1			7	

# Stoller

Page 2 of 2

Project Name: BASS ENT PLU50	Engineer: R. Rop
Project No.: 4/02 - 850	Date: /-31-06
Instrument Type: Ges Abed Bytes 5	Calibration Date: 1-30 - 06
Serial No.: 54 105-026128	Calibration Gas Type/Concentration: 10 ppr Tsubury for
Photoionization Bulb Power (eV):	Room Temperature (°F):

**HEADSPACE TESTING FOR VOLATILES** 

Sample Number	Sampling Location	Sample Depth (FF) b95	Sample Matrix	Peak Instrument Reading (ppm)	Comments	
Ble	M Down	land	Eccar. C	orfunation	Serples.	
ell	Sporte	Bufy	PLUST	<b>)</b>		
BDC 1	swe	3'	Soil	85	916 C 1335	
BDLZ	EW	5'	Soil	612	no stain - extiche ex - grat e 13	34°0
BDL 3	NW	5	Soil	60	m stain - extich ex - grat = 13  gest = 0.1345	·
BDL4	NW	4'	Svil	47	greb 0/350	
BN 5	Centre	5.5'	Soil	690	no fain - celiebe bedage 1355	•
BDLG	strale		Soil	130	no sain - celife belage 355 composite - strong spin c 1500	
					0.	

# Stoller

Page	/	of	1
Lago		O1	

					Page or	
		HEAD!	SPACE TE	STING FOR	R VOLATILES	
Project Nan	ne:	Ent.	PLV 50	Engin	neer: R. Rogg	_
Project No.:	4102	- 050		Date	2-1-06	_
			,	<u>;</u>		_
Instrument '	Гуре:	Hat Miss	15	Calib	ration Date: /· Jo. 06	<b></b>
Serial No.:_			·····	Calibration Ga	as Type/Concentration: 180 par Tee L	tylen
Photoioniza	tion Bulb Pov	ver (eV):	/0		Room Temperature (°F):	•
	REFERME	FACTURE	for Ber			-
Sample	Sampling		Sample	Peak	Comments	
Number	Location	Depth (PT.)	Matrix	Instrument Reading	Collection	
		(711)		(ppm)	Time	
*1	MCB	Staple	soil,	714 ppm	@ 0853 md with mand observedor	
#2	MCB	NW15	soil	. ,,	0920 Redsitherent white	la
#3	McB-SW		Soil	760 pm	1 / 1	
#4	ACB-WW		Red self		1943	
45	MLB-EW		sald	20 pm	0945	
#6	MEB - NW	2'	soil	64 gan	0947	
#7	MCB-CB	25'	calidu	745 pm	0950 Ten white her par	
#8	MB SW	2.5	SHETY BOOK	532 ppm	/038	
#9	MOB-CB	5.0'	Ten Calsela	676 ppm	1040	
#/0	ACB-SW	3.0	Shipmen	250 ppm	1104	
#11	MCB-3N	3.0'	Colhans and	50 pgv-	1135 5 from Nottwell of could	ale.
#12	Ann. 16	8.0'	port ten Colife	806 ppn	1137 STOP SHOUNDER - LETTER	
#13	34.84	0.5'	de bon soil		1210	
#14	SWY HE SHE	<b>3.9</b> '	dk bon soil	19 ppm	1215	
#/5	spik pile.	M	SOU MUED	777 pp	complet soils for CRI C 1225	composite
#16	SWTSESYL	0.5	soil		1325 chloride	J

# Attachment D - Sample Chain-of-Custody

100.1 Fax (915) 873-7020  11. E. C. C. C. P. C. C. C. C. P. C.	AARL	ARDINAL LABORATORIES, INC 2111 Beachwood, Abilene, TX 79803	ORATORIES, INC.	TES X	NY YEE		na se	Martan	101 East Mariand, Hobbs, NM 88240	W. W.	88240		Ž	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	ISI	à	ON O	ANA	XSI	SE SE		Н	
MATTER STATES AND THE	White House	(915) 673-700	7 Fax (91	5 67	2-702		1383	2326	ax (50	393	2478							ı.	300	٥			
1.0   1.0	ofect Hanagers	3. M. 3101	7 2 0	9	Ž,	100				800		-	+	1	A L			3			T	T	Andrew Control
Section   Marie   Ma	dress: 314	West Merm	हैं	3	يو	102	3	mpany															
1.D. Gilly: State: 20:	y: Carls	bad State:	•	288			¥	ë															
1. D. CROWNER: State: Zip: Zip: Zip: Zip: Zip: Zip: Zip: Zip	1 1	0-58	, ,				\$	dress:						<del></del>									
1.D. COMBY:    Property   Propert							5				-		51									:	
1.D. CORST  ALTERY  MATTER  MA	1 1	Pr	t Owner:				8	ğ		2 Z			08					<del></del>					
1.D. COMP.  MATERY MATE	olect Name:		3				Æ	are #				6	10										
1.D. COMP.  1.D. CONTANDENCE  1.D. CONTANDENCE  1.S. CONTANDENCE				1			13	#				2	n/				· ;			: .		1	
1.D. ORIGINATERS  DL.2. G. 1 GROUNDWATER  DL.4. G. 1 GROUNDWATER  DL.5. G. 1 G				F	Γ	MATRIX	ſ	E	Ł		I	8	7/27		<del>(</del>								
Sample 1.D. OR AND			CONC.									>	W	·									
2.1	LAB I.D.	Sample I.										378	Hdl		<del></del>			·					
DLZ G 1		PLU508043				WO.				_1 `	開発	†	+	+			+	╬	_				
DLS G 1	3,		Γ	E	-	7	F	F	12.		35	1	1	$\vdash$				┞	-				
DL4 G1 1 7.31-06 (35.0 )  DL5 G1 1 7.31-06 (	11 ~			E	F	-	-	F	3		3	+	1	-	L		+	+	-				
10LS (G 1 1 1 1 2) 1.21.06 (500 1 1 1 1 2) 1.21.06 (500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21-	┝-		Ξ		-	-	F	1.3	90	350	Ť	L	-	L		$\vdash$	$\vdash$	L				
1972. 6 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C	-113	_		Ξ		<b>~</b>		-	3.	190	355	1		-			-	-	_				
There's coulders received the groups state of the second state of	b1.	PLUSOBP		3		~		7	5	90,	88	7		$\vdash$				-					
Times  Sample Condition  Times  Cool Interes  Cool Interes			+	7	7	1	1	1	-				H				H	Н					
There's country many to any care fairny where beard in cereard or cut, dark to mand to be developed by the other track or any care fairny where the service of the cereard or the cereard or the cereard or the other services of the cereard or the other services or cereard or the cereard of the cereard or cer			T	1	7	Ŧ	-	丰	4	+	1	$\dagger$	+	+	I		$\dagger$	+	1				
Times.  Sample Coolings By: (Lab Staff)  Cool Inter.  Times.  Cool Inter.  Sample Coolings By: (Inter Staff)  Sample Coolings By: (Inter S				口	П			$\square$	$\sqcup$	╁	П	H	H	H	$\Box$		H	+					
Times:    Continued   Continue	the rate whiley and the res. A seems whilehy the M. It to even stal Oprates	images, Carcinare jenesy and inferest de formajigence and kity obser ca. Il be lable for inciditelli or onesed,	in equate rest the whitecover is settle demogra, is		111	33.6	de la veillie de la veillie s'étamobé	their or tor. 7 trid received. 74, total of	, shealte kno. Id by Cordina no. of loss of	d to the attr within 30 db grodie indur	Mer paid by the One other compa and by calent, in	a clear hard telest of he a subsistent	upploates A		180 500	he level Con hys pass can Accepte of	ditions: mo st the rate of educations, to	24.0 pe	Navgadich alf z Frank from Bu wo'r Rabe	enembs ma enema ano	e dian of Involes,	-	
Times:  Date:  Received By: (Lab Staff  P. 2. 6  Times  Sample Goodingon GHENEED By:  Cool Bart  Cool British  Date:  Dat	mpler Relinguish	ed a releved to the performance ved.	Data:	8 4 8	X808X		E STATE	NA NAME	d arron arri	Marau.	100		-1	No Add	Sonal Fe	i i				1		ſ	
Relinquistracible:    M. E. M. S. C. & Recalved Br. (Lab Stath   Control   C	·		Time	T		Į.				12/2			11	2									
The Changes. Please fax written changes to	ilinquished By:		Date:	-	Receiv	ad By:		Staff		1													
Sample Condition  Cool Intert	10 Mela		28/m	ما	7	- who	₹ 1		2	1 7		:						. :					
† Cardinal cannot accept verbal changes. Please fax written changes to \$15-673-7626.	allyarad BV: 7. mpler - UPS - B	Circle One) tus - Other:			<b>586</b> 1	8 10 E	E	思っ	JKED BY	l.,		ı								, ·			
	+ Cardinal cen	not accept verbal ch	anges. Ple	ase ta	×	ie cha	nges t	973%	13-7020.									1					

### **Attachment E - Cardinal Laboratories Analytical Report**

Rx Date/Time

FEB-09-2006(THU) 09:31

P. 006



PHONE (325) 873-7001 . 2111 SEECHWOOD - ABLENE, TX 79803

PHONE (608) 393-2826 - 101 E. MARLAND - HOBBS, NM 88240

ANALYTICAL RESULTS FOR S.M. STOLLER CORPORATION ATTN: DON GEORGE 314 WEST MERMOD ST., SUITE 102 CARLSBAD, NM 88220 FAX TO:

Receiving Date: 02/02/08 Reporting Date: 02/07/08 Project Number: 4102 Project Name: NOT GIVEN Project Location: PLU #50 Sampling Date: 01/31/08 Sample Type; SOIL. Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DA	TE .	02/03/06	02/03/06	02/03/08	02/03/06
H10700-5	PLU50MCB12	0.168	4.10	3.29	100
H10700-6	PLUSOMCB15	0.318	7.20	2.32	79.7
H10700-10	PLU50BDL2	1.05	5.08	0.655	54.4
H10700-13	PLU50BDL5	2.20	25.6	9.46	128
H10700-14	PLU50BDL6	0.338	6.14	1.28	25.4
Quality Contro	· · · · · · · · · · · · · · · · · · ·	0.096	0.098	0.094	0.282
True Value QC		0.100	0.100	0.100	0.300
% Recovery		96.3	97.5	94.4	93.9
Relative Perce	nt Difference	7.3	6.2	2.3	1.0

METHOD: EPA SW-846 8260

Chemist Jar Ja Coche

Date

PLEASE NETTE. Liability and Dissuper. Coordinat's liquidity and client's excision we exact, but any clean away, wholes beyon or confect to NM, and he invest to the available proof of the conference and any conference and a

Rx Date/Time

FEB-09-2006 (THU) 09:31

P. 007



PHONE (\$25) 673-7001 · 2111 SEECHMOOD · ABILENE, TX 79803 PHONE (\$05) 383-2326 · 101 E MARLAND · HOSBS, NM 88240

ANALYTICAL RESULTS FOR S.M. STOLLER CORPORATION ATTH: DON GEORGE 314 WEST MERMOD ST., SUITE 102 CARLSBAD, NM 88220 FAX TO:

Receiving Date: 02/02/08 Reporting Date: 02/06/06 Project Number: 4102 Project Name: NOT GIVEN Project Location: PLU #50 Sampling Date: 01/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: BC

	GRO	DRO
SAMPLE ID	(C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>20</sub> ) (mg/Kg)
	SAMPLE ID	(Ce-C10)

ANALYSIS D	NTE:	02/08/08	02/08/06
H10700-1	PLU50MCB4	<10.0	<10.0
H10700-2	PLU50MCB5	<10.0	10.5
H10700-3	PLU50MCB6	<10.0	500
H10700-4	PLU60MCB11	<10.0	124
H10700-5	PLUSOMCB12	1200	3300
H10700-6	PLU50MCB15	1440	4620
H10700-8	PLU50SWT13	564	8300
H10700-9	PLU60BOL1	314	2650
H10700-10	PLU50BDL2	1430	8310
H10700-11	PLU50BDL3	29 6	745
H10700-12	PLU50BDL4	141	1780
H10700-13	PLU50BDL5	1120	8180
H10700-14	PLU50BDL6	472	5880
Quality Contr	ol	796	751
True Value Q	Č	800	800
% Recovery		99.5	93.9
	ent Difference	6.0	3.6

METHOD: SW-846 8015 M

Charles Joseph Cook

2/8/04

H10700A.XLS

PLEASE INVITE: (abbitity and Decomptor. Coordinates initiality and clearly mankanes councils be only even release); invested to be decomptor to lot, shall be limited to the decomptor of the contract of the

Rx Date/Time

FEB-09-2006(THU) 09:31

P. 008



PHONE (325) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79803 PHONE (505) 253-2326 • 101 E MARIAND • HOBBS, MM 68240

ANALYTICAL RESULTS FOR S.M. STOLLER CORPORATION ATTN: DON GEORGE 314 WEST MERMOD ST., SUITE 102 CARLSBAD, NM 88220 FAX TO:

Receiving Date: 02/02/06 Reporting Date: 02/08/06 Project Number: 4102 Project Name: NOT GIVEN Project Location: PLU #50

Analysis Date: 02/03/06 Sampling Date: 02/01/06 Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM

Analyzed By. HM

CI (mg/Kg) LAB NUMBER SAMPLE ID

H10700-7	PLU50SWT16	4894
		· - <del></del>
	The second secon	
		<del></del>
		1
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percer	t Rifference	0.0

4500-CF8 **METHOD: Standard Methods** NOTE: Analysis performed on a 1:4 w.v aqueous extract.

02-08-06

H10700

## **Attachment F – Waste Acceptance Document**

	6 WED 01:30 PM		FAX NO.  RECOVERY,  New Mexico 8824 383-1079 rihobba.com	INC. 1-0388	·	P. 03
Blit to						
Address						<del></del>
Company/Gene Lease Name	Poker Lok					
Trucking Compa	1 37 0	Vehicle Numi	DOT 11507 4	Oriver (Print)	VT.	
Date	1-51-06		Time / = 2	0		.m. /pin.
		Туре о	f Material			
© Exem	ept .	☐ Tank Bottoms		) Fluids		
□ Non-i	Exempt	C117		Other Material		
C138		☐ Soils		List Descriptio		
		DESC	RIPTION		····	
		_				
		lont.	50:1			
olume of Materia	C) Call Out		O-Yard / O		Gallons     Debris Charge	9
Wash Out	CI Call Out plicable to exampt weath rant that the wastes are: ge prover hat (RCRAYS)units		C After Hours		Debris Charge	-
Wash Out the statement appresent and wan present and wan present and Representative Ri Representative	Ci Call Out plicable to exempt weater ant that the wastes are: g periver let (RCRAY Stription (RCRAY STRIPTI	enerated from oil and ga e C Regulations; and no	C After Hours		Debris Charge	-
Wash Out the statement appresent and wan present and wan present and Representative Ri Representative	Ci Call Out plicable to exempt weater ant that the wastes are: g periver let (RCRAY Stription (RCRAY STRIPTI		After Hours     exploration and protein mixed with non-exert		Di Debris Charge	Source
Wash Out  Its statement ap apresent and wan onservation and R gent  Ri Representativ  AMK BOTTOMS	Ci Call Out plicable to exempt weater ant that the wastes are: g periver let (RCRAY Stription (RCRAY STRIPTI	enerated from oil and ga e C Regulations; and no	C) After Hours  is exploration and pro- t mixed with non-exer-		Debris Charge	-
Wash Out the statement applement and wan onservation and R gent Rignature Ri	Ci Call Out plicable to exempt weater ant that the wastes are: g periver let (RCRAY Stription (RCRAY STRIPTI	enerated from oil and ga e C Regulations; and no	Di After Hours  Be exploration and pro- tribbed with non-exert  BBLS Received  Free Water		Di Debris Charge	Source
Wash Out the statement appresent and wan onservation and R gent Ri Representativ  NK BOTTOMS  1st Gauge  2nd Gauge	Ci Call Out plicable to exempt weater ant that the wastes are: g periver let (RCRAY Stription (RCRAY STRIPTI	enerated from oil and ga e C Regulations; and no	C) After Hours  is exploration and pro- t mixed with non-exer-		Di Debris Charge s: exempt from Res	%
Wash Out the statement appresent and wan onservation and R gent Ri Representativ  NK BOTTOMS  1st Gauge  2nd Gauge	CI Call Out  plicable to exampt weater  ant that the wastes are: ge  periver let (RCRAYShright)  (Rignature)  Feet inc	enerated from oil and ga e C Regulations; and no	Di After Hours  Be exploration and pro- tribbed with non-exert  BBLS Received  Free Water		Debris Charges: exampt from Res	% 
Wash Out de statement apparent and war present and war pent (Algrena All Representative ANK BOTTOMS 1st Gauge 2nd Gauge Received	CI Call Out  plicable to exampt weater  ant that the wastes are: ge  periver let (RCRAYShright)  (Rignature)  Feet inc	enerated from oil and ga e C Regulations; and no	BBLS Received  Free Water  Total Received		Debris Charge s: exampt from Res  BS&W  79870 Gest - Trespects	% 

*	ED 01:31 PM		FAX NO.  OLLED RECOVERY, I 8 • Hobbs, New Mexico 88241- (505) 393-1079		
			www.crihobbs.com		
Bill to				······································	
Address					
Company/Generate	* Ross				
Lease Name	Pokor	Cake	50		
Trucking Company	Mesevit	ζe Ve	chicle Number MSD7-4	Driver (Print)	Tim
Date /-	1.06		Time 3 45	3	a.m. / p.m.
			Type of Material		
Q Exempt		🔾 Tank Bo	ottoms Q	Fluids	
□ Non-Exe	mpt	C117	0	Other Material	
C138		_ O Soils		List Description	Below
	<del></del>		DESCRIPTION		
		······································	DESCRIPTION		
			1 5 3		
					· · · · · · · · · · · · · · · · · · ·
/olume of Material	☐ Bbis.		0.Xero / 2°.		O Gallons
<i>f</i> olume of Material 3 Wash Out	□ Bbls.		Q Xerd O.		Gallons     Debris Charge
Wash Out This statement applit represent and werres Conservation and Rec	Call Out	t waste only. Bane concreted to	After Hours  om oil and gas exploration and pro- tions; and not mixed with non-essan	chuckles expensions	CI Debris Charge
O Wash Out This statement application and warrant conservation and Reconstruction and Rec	Call Out	t waste only. Bane concreted to	After Hours  om oil and gas exploration and pro- tions; and not mixed with non-essan	duction operations npt wastes.	CI Debris Charge
Wash Out This statement applit represent and werres Conservation and Rec	Call Out	t waste only. Bane concreted to	After Hours  om oil and gas exploration and pro- tions; and not mixed with non-essan	duction operations npt wastes.	CI Debris Charge
O Wash Out This statement applications and Warrat Conservation and Rec Agant (Signature) CRI Representative	Call Out	t waste only. Bane concreted to	After Hours  om oil and gas exploration and pro- stions; and not mixed with non-essan	duction operations npt wastes.	CI Debris Charge
O Wash Out This statement application and warrant conservation and Reconstruction and Rec	Call Out	t waste only. Bane concreted to	After Hours  om oil and gas exploration and pro- stions; and not mixed with non-essan	duction operations npt wastes.	CI Debris Charge
O Wash Out This statement applications and Warrat Conservation and Rec Agant (Signature) CRI Representative	Call Out cable to exempt it that the wastes cover Pat (RCRA)	t waste only.  serie generated fr Subtitle C Regula	After Hours  om oil and gas exploration and pro- stions; and not mixed with non-essan	duction operations npt wastes.	CI Debris Charge
O Wash Out This statement applications and warrance conservation and Recognit (Signature) CRI Representative TANK BOTTOMS	Call Out cable to exempt it that the wastes cover Pat (RCRA)	t waste only.  serie generated fr Subtitle C Regula	☐ After Hours om oil and gas exploration and pro- tions; and not mixed with non-exen	duction operations npt wastes.	Di Debris Charge
O Wash Out This statement application and warrance conservation and warrance conservation and Recognition and	Call Out cable to exempt it that the wastes cover Pat (RCRA)	t waste only.  serie generated fr Subtitle C Regula	D After Hours om oil and gas exploration and pro- dions; and not imbred with non-essen  BBLS Received  Free Water	duction operations npt wastes.	Di Debris Charge
O Wash Out This statement applications and warrance conservation and Recognit (Signature) CRI Representative TANK BOTTOMS	Call Out cable to exempt it that the wastes cover Pat (RCRA)	t waste only.  serie generated fr Subtitle C Regula	☐ After Hours om oil and gas exploration and pro- tions; and not mixed with non-exen	duction operations npt wastes.	Di Debris Charge  : exempt from Resource  BS&W %
This statement appli represent and warran conservation and Red Agent (Signature) / CRI Representative FANIK BOTTOMS 1st Gauge 2nd Gauge	Call Out cable to exempt it that the wastes cover Pat (RCRA)	t waste only. Is an: generated in Subtitle C Regula	D After Hours om oil and gas exploration and pro- tions; and not mixed with non-exen  BBLS Received  Free Water  Total Received	duction operations	Debris Charge covernot from Resource BS&W %
O Wash Out This statement application and warrance conservation and warrance conservation and Recognition and	Call Out cable to exempt it that the wastes cover Pat (RCRA)	t waste only.  serie generated fr Subtitle C Regula	D After Hours om oil and gas exploration and pro- dions; and not imbred with non-essen  BBLS Received  Free Water	duction operations	Debris Charge  c exempt from Resource  BS&W %  79904  dear-Transporter
This statement appli represent and warran conservation and Red Agent (Signature) / CRI Representative FANIK BOTTOMS 1st Gauge 2nd Gauge	Call Out cable to exempt it that the wastes cover Pat (RCRA)	t waste only. Is an: generated in Subtitle C Regula	D After Hours om oil and gas exploration and pro- tions; and not mixed with non-exen  BBLS Received  Free Water  Total Received	duction operations	Debris Charge covernot from Resource BS&W %

4 -	•		88 • Hobbs, New Mexico 88241-03 (505) 393-1079 www.crihobbs.com		
Bill to					
Company/General	or Ass				
Lease Name	Pokerle	k 50			
Trucking Company	Maggit	c v	ehicle Number 837 - 4 D	river (Print) 7,7~	
Date /-	31-06	<del></del>	Time 5.1/5		a.m. /(p.m.)
			Type of Material		
☐ Exempt		C) Tank B			
D Non-Ex	•		· · · · · · · · · · · · · · · · · · ·	ther Material	
U138		_ D Soils	Li	st Description Below	
			DESCRIPTION		
			ent. Soit		
Volume of Material	☐ Bbls.		2450 /2	☐ Gallons	
☐ Wash Out	Ci Cell Out			☐ Gallons	
D Wash Out This statement applinepresent and warra Conservation and Re Agent(Sgneture)	Call Out	t waste only.	☐ After Hours  In After Hours  From all and gas exploration and product  ations; and not mixed with non-exampt	Q Debris (	Charge om Resource
Wash Out This statement application and warra Conservation and Re Agent	Call Out	t waste only. s are: generated t Subtitle C Regul	☐ After Hours  In After Hours  From all and gas exploration and product  ations; and not mixed with non-exampt	Debris ( tion operations; exempt for westes.	Charge om Resource
O Wash Out This statement application and warra Conservation and Re Agent (Signeaux) CRI Representative	Call Out	t waste only. s are: generated t Subtitle C Regul	☐ After Hours  In After Hours  From all and gas exploration and product  ations; and not mixed with non-exampt	Debris ( tion operations; exempt for westes.	Charge om Resource
O Wash Out This statement application and warra Conservation and Re Agent (Signeaux) CRI Representative	Call Out	t waste only. s and generated to Subtitile C Regula	☐ After Hours  In After Hours  From all and gas exploration and product  ations; and not mixed with non-exampt	Debris ( tion operations; exempt for westes.	Charge om Resource
D Wash Out This statement application and warra Conservation and Re Agent (Signature) CRI Representative TANK BOTTOMS	Call Out	t waste only. s and generated to Subtitile C Regula	☐ After Hours  Tom oil and gas exploration and productions; and not missed with non-exampt	C) Debris ( tion operations: exempt for wastes.	Charge om Resource
D Wash Out This statement applications and Reconservation and Re Agent (Squake) CRI Representative TANK BOTTOMS	Call Out	t waste only. s and generated to Subtitile C Regula	After Hours  Tom oil and gas exploration and productions; and not inteed with non-exempt	C) Debris ( tion operations: exempt for wastes.	Charge om Resource
Agent	Call Out	t weste only. s are: generated t Subtitle C Regul	BBLS Received  Free Water  Total Received	Debris Continue operations: exempt for wastes.	Charge om Resource

			x 388 = Hobbs, (605) 3 www.crli	P.O. Box	٠.	
						dress
	· · · · · · · · · · · · · · · · · · ·		······································		etor Bass	mpany/Gener
			<del>*</del>		Poker 1	se Name
	r (Print) 7.	7-4 Drive	Vehicle Numbe	Fr	ny Margi,	cking Compa
a.m. (p.m.)		2:45			6	o 2/1/0
		ial	Type of			
	<b>;</b>	O Fluid:	k Bottoms	Tank	ot	O Exemp
	Material			C117_	xempt	O Non-E
	escription Below	List (	· ·	O Salls		C138
	·				-	
			DESCR			
		7	Cont	<del></del>		
<del></del>						
	☐ Gallons	12			D Bbis.	me of Materia
				ıt.	Call O	ash Out
	Debris Char	r Hours				
Charge	operations: exempt from P	tion and production tith non-exempt was	d from oil and gas julations; and not		f · ( )	esent and wan ervation and fi
Charge	operations: exempt from P	tion and production ith non-exempt was	d from oil and gas julations; and not	Bubtile C Regi	ant that the wast	esent and warr ervation and fi
Charge	operations: exempt from P	tion and production tith non-exempt was	d from oil and gas julations; and not	Bubtile C Regi	ant that the wash	esent and wan ervation and fi
Charge	operations: exempt from P	ition and production ith non-exempt was	d from oil and gas julations; and not	Bubtile C Regi	ant that the wast	esent and warrer evalue and first (Signature) Representative
Charge	operations: exempt from P	tion and production tith non-exempt was	d from oil and gas julations; and not	as are: generated Paristile C Regi	ant that the wash	esent and warr elvation and fi  (Specific Representative
Charge om Resource	operations: exempt from P	ition and production ith non-exempt was	d from oil and gas julations; and not	as are: generated Paristile C Regi	ant that the wash	esent and warrer evalue and first (Signature) Representative
Charge om Resource	operations: exempt from P	tion and production tith non-exempt was	d from oil and gas julations; and not	as are: generated Paristile C Regi	ant that the wash	esent and warrer ervation and find the control of t
Char om R	operations: exempt from P	tion and production tith non-exempt was Received	d from oil and gas julations; and not	as are: generated Paristile C Regi	ant that the wash	esent and warrervation and fit  (Signature) Representative  (BOTTOMS  1st Gauge  2nd Gauge

	006 WED 01:34 P	CONTR	OLLED RECOVERY, INC 38 • Hobbs, New Mexico 88241-038 (505) 393-1079 www.crihobbs.com		
Bill to		<del></del>	*·-··		
Address					
C=====================================	enerator Reco				
Company/Ge Lease Name	787	Lake 50	· · · · · · · · · · · · · · · · · · ·		
Trucking Cor			phicle Number/7507-03 Dri	ver (Print)	
Oate 2-	2-06		Time 9/30		(a.m.) p.m.
			Type of Material		
0 5	æmpt	🔾 Tank Bo	ottoma 🔾 Flu	ids	
O No	on-Exempt	C117	C3 Ott	er Meterial	
C138	·	C) Soils	List	Description Below	
			DESCRIPTION		
			ocount I rom		
			Cont. Sail		
folume of Ma	iterial 🗅 Bbis.		0466 /	C) Gallone	3
Wash Out	Call C	ut	O After Hours	☐ Gallone	
represent and conservation a Agent Signal CRI Represen	Call C  t applicable to exem warrary that the was nd Balgarer Act (RCS)  states  trative	ut pt waste only,		☐ Debris on operations: exempt fi	Charge
Wash Out This statemen represent and conservation a	Call C  t applicable to exem warrary that the was nd Balgarer Act (RCS)  states  trative	pt waste only, tes are: generated in a Substitle C Regular	☐ After Hours  om oil and gas exploration and product tions; and not mixed with non-exempt v	☐ Debris on operations: exempt fi	Charge
Wash Out This statemen represent and conservation a Agent Sign Ri Represent	Call C  t applicable to exam warrary that the was not grapher Ant (RCS)  trailing trailing  Trailing  Trailing  Trailing  Trailing	get weaste only, tes are: generated in a generated from the control of the contro	☐ After Hours  om oil and gas exploration and product tions; and not mixed with non-exempt v	☐ Debris on operations: exempt fi	Charge
Wash Out This statemen represent and conservation a discrete files CHI Represent CANK BOTTO	Call C  t applicable to exem warry that the was nd Balgiver Act (RCR  allen) tative  Sagnifica)  MS  Feet	get weaste only, tes are: generated in a generated from the control of the contro	☐ After Hours  om oil and gas exploration and product tione; and not mixed with non-exempt v	an operations: exempt fi	Charge rom Resource
Wash Out This statemen represent and lonservation a logent	call C t applicable to exam warrant that the was not grapher Ant (RCS) white thative trative  Seporture  Sepor	get weaste only, tes are: generated in a generated from the control of the contro	☐ After Hours  orn oil and gas exploration and product tions; and not mixed with non-exempt v	an operations: exempt fi	Charge rom Resource
Wash Out This statemen represent and conservation a Gent Gig TH Represent TANK BOTTO: 1st Gail 2nd Gail	call C t applicable to exam warrant that the was not grapher Ant (RCS) white thative trative  Seporture  Sepor	get weaste only, tes are: generated in a generated from the control of the contro	☐ After Hours  orn oil and gas exploration and product tions; and not mixed with non-exempt v  BBLS Received  Free Water	Debris on operations: exempt fi sastes.  BS&W	Charge om Resource %
Wesh Out This statemen represent and lonservation a comment of the	call C t applicable to exam warrant that the was not grapher Ant (RCS) white thative trative  Seporture  Sepor	tut  pt weste only, les are: generated in  A solution. C. Regular  MULL  Inches	☐ After Hours  om oil and gas exploration and product tions; and not mixed with non-exempt v  BBLS Received  Free Water  Total Received	Debris on operations: exempt fi sastes.  BS&W  BS&W  Good	Charge

FEB-08-2006 WED 01:		FAX NO.			P. 10
	P.O. Box 3	ROLLED RECOVERY, 388 • Hobbs, New Mexico 8824 (505) 393-1079 www.crihobbs.com	INC. 1-0388		
Bill to					
Address					
Company/Generator &	a S				
Lease Name	ter Lake 50			**************************************	
Trucking Company Mos	Pruze V	ehicle Number #507-3	Debugy /Debug	Zavi	
Date 7-1-06		Time //: 4			a.m.) p.m.
		Type of Material	<del> </del>		a.m. p.m.
O Exempt	O Tank B		3 Fluids		
<ul> <li>Non-Exempt</li> </ul>			) Other Mater	isal	
C138			List Descrip		
		DESCRIPTION	· · · · · · · · · · · · · · · · · · ·		
	Con				
	- Con				
/clume of Material D	3bis.	O Yant Co		D Cultura.	
	Sibles.	□ Yard ✓		G Gallona	
Wash Out Q C	Call Cut  Exampt waste only.			Debris Char	3e
Wash Out Q C	Call Cut  Exampt waste only.	O After Hours	duction operation opt wastes.	Debris Char	3e
This statement applicable to represent and warrant that the conservation and Reporter Act	Call Cut  Exampt waste only.	After Hours     After Hours     Manual After Hours     After Hours     Manual After Hours	duction operation opt wastes.	O Debris Chan	3e
Wash Out Q C	Call Cut  Exampt waste only.	After Hours     After Hours     Manual After Hours     After Hours     Manual After Hours	duction operation opt wastes.	Debris Char	3e
This statement applicable to represent and warrant that the conservation and Reporter Act	Call Cut  Exampt waste only.	After Hours     After Hours     Manual After Hours     After Hours     Manual After Hours	duction operation opt wastes.	O Debris Chan	3e
Wash Out 0 0 This statement applicable to represent and warrant that the conservation and Register Act (Bisrelin) Ri Representative	exist Out exempt weste only.  Wastes are: generated to (RCRA) Subject Require	After Hours     After Hours     Manual After Hours     After Hours     Manual After Hours	duction operation opt wastes.	O Debris Chan	3e
This statement applicable to represent and warrant that the conservation and Repower Act Riberatural Philipse Ri Representative	exist Out exempt weste only. Westes are: generated in (RCRA) Substitit Requisit	After Hours     After Hours     Manual After Hours     After Hours     Manual After Hours     After Hours	duction operation opt wastes.	O Debris Chan	geouroe
This statement applicable to represent and warrant that the conservation and Repower Act Bisreling  Fill Representative ANK BOTTOMS  Feet	exist Out exempt weste only. Westes are: generated in (RCRA) Substitit Requisit	After Hours	duction operation opt wastes.	Debris Chen	3e
This statement applicable to represent and warrant that the conservation and Repower Act Glandar Repower Act Representative RI Representative RI Representative RI State RI St	exist Out exempt weste only. Westes are: generated in (RCRA) Substitit Requisit	O After Hours  om oil and gas exploration and pro- tions; and not mixed with non-exen  BBLS Received  Free Water	duction operation opt wastes.	Debris Chen	geouroe
This statement applicable to represent and warrant that the conservation and Register Act Bisrelini Fill Representative ANK BOTTOMS  Tot Gauge  2nd Gauge	exist Out exempt weste only. Westes are: generated in (RCRA) Substitit Requisit	O After Hours om oil and gas exploration and pro- stons; and not mixed with non-exer-	duction operation opt wastes.	Debris Chern pris: excernpt from Re	ge Bacuroe
This statement applicable to represent and warrant that the conservation and Register Act Bisrelini Fill Representative ANK BOTTOMS  Tot Gauge  2nd Gauge	exist Out exempt weste only. Westes are: generated in (RCRA) Substitit Requisit	O After Hours  om oil and gas exploration and pro- tions; and not mixed with non-exen  BBLS Received  Free Water  Total Received	duction operation opt wastes.	Debris Cherrons: excernpt from Ro	% 6
This statement applicable to represent and warrant that the conservation and Repower Act Ribration and Repower Act Representative ANK BOTTOMS  Feel 1st Gauge Received	exist Out exempt weste only.  I wastes are: generated in (RCRA) Subtract Require  I wastes are: generated in (RCRA) Subtract Require  I wastes are: generated in the second of the secon	O After Hours  om oil and gas exploration and pro- tions; and not mixed with non-exen  BBLS Received  Free Water	duction operation opt wastes.	BS&W  8906  Gold - Transport	% %
This statement applicable to represent and warrant that the conservation and Repower Act Ribration and Repower Act Representative ANK BOTTOMS  Feel 1st Gauge Received	exist Out exempt weste only.  I wastes are: generated in (RCRA) Subtract Require  I wastes are: generated in (RCRA) Subtract Require  I wastes are: generated in the second of the secon	O After Hours  om oil and gas exploration and pro- tions; and not mixed with non-exen  BBLS Received  Free Water  Total Received	duction operation opt wastes.	BS&W  8906  Gold - Transport	% 6