District 1
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenuc, 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
Department
Oil Conservation Division

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-144 July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

### Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:  Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  Modification to an existing permit  Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method	•
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request	
ease be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the wifonment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.	
1,	
Operator: Four Star Oil and Gas Company OGRID #:	
Address: 15 Smith Road, Midland TX 79705	
Facility or well name: Shiotani # 11	_
API Number: 30-045-33125 OCD Permit Number:	
U/L or Qtr/Qtr: 1 Section 6 Township 29N Range 12W County: San Juan	
Center of Proposed Design: Latitude: 36.75296733 Longitude -108.1353864 NAD: 1927 1983	
Surface Owner: C Federal C State D Private C Tribal Trust or Indian Allotment	
2	
O Pit:	
Temporary:   Drilling D. Workover RCVD JUL 27'1:	
□ Permanent □ Emergency □ Cavitation □ P&A OIL CONS. DIV.	ı
Lined Unlined Liner type: Thickness 12 mil 1 LLDPE 12 PVC 1 Other DIST. 3	
□ String-Reinforced	
Lincr Seams:  Welded  Factory  Other Volume: 1950 bbl Dimensions: L 60 x W45 x D 20	<u>)                                    </u>
Closed-loop System:	
Type of Operation: 🚨 P&A 🚨 Drilling a new well 🚨 Workover or Drilling (Applies to activities which require prior approval of a permit or no intent)	otice of
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other	
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other ☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other:	
Liner Seams: Welded D Factory Other	.\
4.	10/
1 di	ω
Volume: bbl Type of fluid: OIL CONS. DIV. DIST. 3	රා / ව /
Tank Construction material:	
□ Secondary containment with leak detection □ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off □ Visible sidewalls and liner □ Visible sidewalls only □ Other	
□ Visible sidewalls and liner □ Visible sidewalls only □ Other	
Liner type: Thickness; mil	
□ Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approve	

6. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)  Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, institution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate. Please specify	hospital,		
7.  Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)  Screen Netting Other  Monthly inspections (If netting or screening is not physically feasible)	·		
Signs: Subsection C of 19.15.17.11 NMAC  12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  Signed in compliance with 19.15.3.103 NMAC	·		
Administrative Approvals and Exceptions:  Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  Please check a box if one or more of the following is requested, if not leave blank:  Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau of consideration of approval.  Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	· office for		
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	priate district pproval.		
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No		
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits)	☐ Yes ☐ No ☐ NA		
<ul> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> <li>Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.</li> <li>NM Office of the State Engineer - iWATERS database search, Visual inspection (certification) of the proposed site</li> </ul>			
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No		
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No		
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No		
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No		
Within a 100-year floodplain FEMA map	☐ Yes ☐ No		

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC  Previously Approved Design (attach copy of design) API Number:  or Permit Number:
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC   Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.   Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC   Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC   Climatological Factors Assessment   Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC   Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Lak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC   Quality Control/Quality Assurance Construction and Installation Plan   Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC   Freeboard and Overtopping Prevention Plan   based upon the appropriate requirements of 19.15.17.11 NMAC   Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan   Emergency Response Plan   Oil Field Waste Stream Characterization   Monitoring and Inspection Plan   Erosion Control Plan   Erosion Control Plan   Erosion Control Plan   Erosion Control Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.  Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative  Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems)
In-place Burial  On-site Trench Burial  Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
15.  Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)  Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16. Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off! Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cu facilities are required.	Bins Only: (19.15.17.13.D	) NMAC) nore than two		
l'interpretation de la companya de	Number			
Disposal Facility Name: Disposal Facility Permit 1				
Disposal Facility Name: Disposal Facility Permit !	<del></del>			
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will Yes (If yes, please provide the information below) \( \subseteq \) No	l not be used for future serv	ice and operations?		
Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC				
17. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommen provided below. Requests regarding changes to certain siting criteria may require administrative approval considered an exception which must be submitted to the Santa Fe Environmental Bureau office for considered and exception which must be submitted to the Santa Fe Environmental Bureau office for considered and exceptions of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	from the appropriate distr	ict office or may be		
Ground water is less than 50 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby we	ills	☐ Yes ☐ No ☐ NA		
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby we	lls	☐ Yes ☐ No ☐ NA		
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby we	ills	☐ Yes ☐ No ☐ NA		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lak lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	ebed, sinkhole, or playa	☐ Yes ☐ No		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	initial application.	☐ Yes ☐ No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the ti  NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the propose	ime of initial application.	☐ Yes ☐ No		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality.	_	Yes No		
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification)	of the proposed site	Yes No		
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division		Yes No		
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; US Society; Topographic map		Yes No		
Within a 100-year floodplain FEMA map		Yes No		
18.				
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be by a check mark in the box, that the documents are attached.	attached to the closure pla	ın. Please indicate,		
by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 No.	NMAC			
☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.	.13 NMAC			
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of		5 17 11 ND (AC		
<ul> <li>Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC</li> </ul>	priate requirements of 19.1	.5.17.11 NMAC		
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F	of 19.15.17.13 NMAC			
Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.1				
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)				
Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC				
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMA	′C			

Operator Application Certification:	
	application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Shawn Davis	Title: Waste and Water Specialist
Signaturo: Shaun Sewis	Date: October 30, 2008
Email Address sdkf@chevron.com	Telephone 281-561-4977
20.  OCD Approval:  Permit Application (including closs	ure plan) (Mosure Plan (only).
OCD Representative Signature:	Approval Date 7/30/2512
Title: Ompliance Office	OCD Permit Number:
	re plan prior to implementing any closure activities and submitting the closure report. The closure If the completion of the closure activities. Please do not complete this section of the form until an es have been completed
	☑ Closure Completion Date: 6-17-2008
Clasure Method:  State Excavation and Removal □ On-Site Clos □ If different from approved plan, please explain.	ure Method   Alternative Closure Method   Waste Removal (Closed-loop systems only)
	r Closed-loop Systems That Utilize Ahoye Ground Steel Tanks or Haul-off Bins Only: - where the liquids, drillingfulds and drill cuttings were disposed Use attachment if more than
Disposal Facility Name: Enrirotech's Landfarm	# 2 Disposal Facility Permit Number: NM-01-0011
Disposal Facility Name:	Disposal Facility Permit Number:
	ctivities performed on or in areas that will not be used for future service and
U Yes (If yes, please demonstrate compliance to the	e items below) 🗖 No
Required for impacted areas which will not be used for future Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technic	
24, .	
a check mark in the hox, that the documents are attached  Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable U Waste Material Sampling Analytical Results (required	
<ul> <li>Disposal Facility name and Permit Number</li> <li>Soil Backfilling and Cover Installation</li> <li>Re-vegetation Application Rates and Sceding Technic</li> </ul>	nue
On-site Closure Location: Latitude:	
25 Operator Closure Certification:	
I hereby certify that the information and attachments submi	tted with this closure report is true, accurate and complete to the best of my knowledge plicable closure requirements and conditions specified in the approved closure plan.
Name (Print): Shawn Davis	Title: Waste and Water Specialist
Signature: Shown Down	Date: 10/30/08
-mail address: sdkf@chevron.com	Telephone : 281-563-4977

### \_PLOT PLAN

Field Report BGT/Pit Closure Verification

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DATE FINISH	ED: 6/2	<u> 3 : : : : : : : : : : : : : : : : : : </u>		. PHO	NE: (505) 6	32-0615		ILONG: -	08.1353864
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AND OWNER	A Service	PRIVA	\TÉ			33125	BGT / PIT		
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BENZENE:	\$ 0.2 mg/kg, h	51'EX ≤ 50 mg/	kg, GRO & DR	OFRACTIO	N (8015)≤ 5	00 mg/kg, TPH	(418.1)≤250	0 mg/kg, CH	LORIDES \$ 500 mg/kg
X_TEMPOR			_						
BENZENE ≤	0.2 mg/kg, B	TEX ≤ 50 mg/l	cg, GRO & DRO	D FRACTIO	N (8015)≤ 50	00 mg/kg, TPH	(418.1)≤ <b>250</b> (	mg/kg, CHI	ORIDES≤1000 mg/k
PERMAN	ENT PIT OF	L BGT							
BENZEN	$E \le 0.2 \text{ mg/kg}$	, BTEX≤50 m	g/kg, TPH (418	.1)≤ 100 mg	kg, CHLORI	DES ≤ 250 mg/	kg		
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### **CONFIRMATION SAMPLING**

Laboratory Analytical Results



### EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Chevron	Project #:	92270-0269
Sample ID:	Drill Pit Comp	Date Reported:	05-28-08
Laboratory Number:	45554	Date Sampled:	05-22-08
Chain of Custody No:	4452	Date Received:	05-22-08
Sample Matrix:	Soil	Date Extracted:	05-23-08
Preservative:	Cool	Date Analyzed:	05-27-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.7	0.2
Diesel Range (C10 - C28)	8,000	0.1
Total Petroleum Hydrocarbons	8,000	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Shiotani Drill Pit.

Analyst U

Christian Mocetas Review



### EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

Client:	OA/QC		Project #:		N/A
Sample ID:	05-27-08 QA/0	<b>2</b> C	Date Reported:		05-28-08
Laboratory Number:	45537		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		05-27-08
Condition:	N/A		Analysis Request	ed:	TPH
	Learoaté.	#CaliRE:	C:Cal:RF;	% Difference	Accent/Range
Gasoline Range C5 - C10	05-07-07	9.9628E+002	9.9667E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0063E+003	1.0067E+003	0.04%	0 - 15%
one - care on the later commence is a series of the commence o	and the same of th	*********** 4 32 ***********************			
Blank Conc. (mg/L - mg/K	g)	Concentration		Delectionslin	NG.
Gasoline Range C5 - C10		ND		0.2	
Diagel Range C10 - C28		·· ND		0.1	•
lotal Petroleum Hydrocarbons	Baraga ara	ND		0.2	
2004/00/00/00/2014 <u>2</u> 006/ <del>00/00/00/00/00/00/00</del> /00/00/00/00/00/00/	and Calabiana Periodical	NEA to principal Michigan and And	and in a major of the contraction	ecuso i se a divisio con	isaa
Duplicate Conc. (mg/kg)	Sample	Puplicate	mana a a a anna anna anna a anna anna a	ccept Rang	5
Sasoline Range C5 - C10	ND	ND	0.0%	ссері Кано 0 - 30%	
Sasoline Range C5 - C10	meaning Calabridge of a mountained on	estated with contrast contrast and a season and	mana a a a anna anna anna a anna anna a	CONTRACTOR OF A CONTRACTOR OF	<b>5</b>
Sasoline Range C5 - C10 Diesel Range C10 - C28	ND ND	ND ND	0.0% 0.0%	0 - 30% 0 - 30%	
Sasoline Range C5 - C10	ND	ND ND	0.0%	0 - 30%	/\ccapt:\Sange 75 - 125%

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

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Comments:

QA/QC for Samples 45537 - 45542, 45553, 45554, and 45556.

Analyet

Christian Waller.
Review



### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-0269
Sample ID:	Drill Pit Comp	Date Reported:	05-28-08
Laboratory Number:	45554	Date Sampled:	05-22-08
Chain of Custody:	4452	Date Received:	05-22-08
Sample Matrix:	Soil	Date Analyzed:	05-27-08
Preservative:	Cool	Date Extracted:	05-23-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.3	0.9
Toluene	12.1	1.0
Ethylbenzene	5.9	· 1.0
p,m-Xylene	31.3	1.2
o-Xylene	11.0	0.9
Total BTEX	61.6	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-diffuorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Shiotani Drill Pit.

Analyst J

Mostly Muceters
Beview



### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number: Sample Matrix: Preservative; Condition:	N/A 05-27-BT QA/QC 45537 Soil N/A N/A	C C C	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Unalysis:		N/A 05-28-08 N/A N/A 05-27-08 BTEX
Calibration and Detection:Elmits (ug/E)	i WaliRF	C-Cal RF: Accept Range	%0ift. ∈ 0 ÷ 15% i	Blank Gond	Detect <sub>i</sub> Elimit
Benzene	2.6079E+007	2.6131E+007	0.2%	ND	0.1
Toluene	2.1773E+007	2.1817E+007	0.2%	ND	0.1
Ethylbenzene	1.6044E+007	1.6076E+007	0.2%	ND	0.1
p,m-Xylene	3 4772E+007 1,5066E+007	3.4842E+007 1.5096E+007	0.2% 0.2%	ND ND	0.1 0.1
o-Xylene	1.00002+007	1.0000CTG07			<b>V.</b> 1
Ouplicate Conc (ug/Kg)	Sample	Ounlicals.	Wolfe C	Árcopi Range	Polect Limit
Dupilcate:Conc.(ug/Kg) Benzene	1.2	1.1	8.3%	0 - 30%	0.9
Benzene Toluene	1.2 2.8	1.1 2.7	8.3% 3.6%	0 - 30% 0 - 30%	0.9 1.0
Benzene Toluene Ethylbenzene	1.2 2.8 2.1	1.1 2.7 2.0	8.3% 3.6% 4.8%	0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0
Benzene Toluene Ethylbenzene p,m-Xylene	1.2 2.8 2.1 4.2	1.1 2.7 2.0 4.1	8.3% 3.6% 4.8% 2.4%	0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2
Benzene	1.2 2.8 2.1	1.1 2.7 2.0	8.3% 3.6% 4.8%	0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0
Benzene Toluene Ethylbenzene p,m-Xylene	1.2 2.8 2.1 4.2 2.6	1.1 2.7 2.0 4.1	8.3% 3.6% 4.8% 2.4% 3.8%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2 0.9
Benzene Toluene Ethylbenzene p,m-Xylene p-Xylene	1.2 2.8 2.1 4.2 2.6	1.1 2.7 2.0 4.1 2.5	8.3% 3.6% 4.8% 2.4% 3.8%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2 0.9
Senzene Foluene Ethylbenzene o,m-Xylene o-Xylene	1.2 2.8 2.1 4.2 2.6	1.1 2.7 2.0 4.1 2.5	8.3% 3.6% 4.8% 2.4% 3.8%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2 0.9
Genzene Foluene Ethylbenzene o,m-Xylene o-Xylene Gpike Conc. (ug/Kg)	1.2 2.8 2.1 4.2 2.6	1.1 2.7 2.0 4.1 2.5	8.3% 3.6% 4.8% 2.4% 3.8%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2 0.9 ACC63: Raise
Senzene Foluene Ethylbenzene o,m-Xylene o-Xylene Spike Conc. (Ug/Kg) Senzene Foluene	1.2 2.8 2.1 4.2 2.6 Sampid	1.1 2.7 2.0 4.1 2.5	8.3% 3.6% 4.8% 2.4% 3.8% 50% ed Sample 51.1 52.7	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% %Recovery 99.8%	0.9 1.0 1.0 1.2 0.9 ACCOS ROINGE

ND - Parameter not detected at the stated detection limit.

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Datectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 45537 - 45542, 45552 - 45554, and 45556.

Analyst

Motu Mudeler Review



#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-0269
Sample ID:	Drill Pit Comp	Date Reported:	06-02-08
Laboratory Number:	45554	Date Sampled:	05-22-08
Chain of Custody No:	4452	Date Received:	05-22-08
Sample Matrix:	Soll	Date Extracted:	05-29-08
Preservative:	Cool	Date Analyzed:	05-29-08
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

**Total Petroleum Hydrocarbons** 

70,900

250

ND = Perameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Shiotani Drill Pit.

Analyst

Christian Waster



# EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Spike Conc. (mg	/Kg)	Sample 5	pike Addad 2,000	Spike Result 82,700	% Recovery	Accept Range 80 - 120%
Duplicate Conc. TPH	(mg/Kg)		Sample 70,900	Duplicate 74,300	% Difference 4.8%	Accept, Range +/- 30%
Błank Cenc. (mg TPH	y/Kg)	·	oncentration ND		Detection Line 5.0	
Calibration	I-Cal Date 02-18-08	C-Cal Date <b>05-29-08</b>	I-Cal-RF: 1,889	C-Cal RF: 1,724		Accept. Range +/- 10%
Ctient: Sample ID: Laboratory Number: Sample Matrix: Preservative: Condition:		QA/QC QA/QC 05-29-TPH.QA/QC Freon-113 N/A N/A	45554	Project #: Date Reported: Date Sampled: Date Analyzed: Date Extracted: Analysis Neede	:	N/A 06-02-08 N/A 05-29-08 05-29-08 TPH

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

QA/QC for Sample 45554.

Analyst

Review Nachen

# ENVIROTECH LABS

#### Chloride

			·
Client:	Chevron	Project #:	92270-0269
Sample ID:	Drill Pit Comp	Date Reported:	05-29-08
Lab ID#:	45554	Date Sampled:	05-22-08
Sample Matrix:	Soil	Date Received:	05-22-08
Preservative:	Cool	Date Analyzed:	05-23-08
Condition:	Intact	Chain of Custody:	4452
Preservative:	Cool	Date Analyzed:	05-23-08

**Parameter** 

Concentration (mg/Kg)

**Total Chloride** 

170

Reference:

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Shiotani Drill Pit.

Analyst

Meather Marters



### EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Chevron	Project #:	92270-0269
Sample ID:	Under Liner	Date Reported:	06-30-08
Laboratory Number:	46059	Date Sampled:	06-23-08
Chain of Custody No:	4665	Date Received:	06-23-08
Sample Matrix:	Soil	Date Extracted:	06-26-08
Preservative:	Cool	Date Analyzed:	06-26-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
		•
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	34.8	0.1
Total Petroleum Hydrocarbons	34.8	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Shiotoni #11.

Analyst

Mister Mualdes
(Review



### EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

Cllent:	QA/QC		Project #:		N/A
Sample ID:	06-26-08 QA/	QC	Date Reported		06-30-08
Laboratory Number:	46033		Date Sampled:		^N/A
Sample Matrix:	Methylene Chlo	ride	Date Received	:	N/A
Preservative:	N/A		Date Analyzed		08-26-08
Condition:	N/A		Analysis Reque	ested:	TPH
TANKEREET TOORISTON TO AND TO THE OPEN IT THE TOTAL TO THE	s composition of the second se	Comments of the Section of the Comments	e the same and de them a security in		. Transmin in a Market
	-Cal-Date	L-CallRF	Landing the work of the Landing of the Landing Control of the Landin	% Difference	and the second section of the section of the second section of the section of the second section of the section of th
Gasoline Range C5 - C10	05-07-07	1.0015E+003	1.0019E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9034E+002	9.9074E+002	0.04%	0 - 15%
	the state of the s	and ANG MENTAL STREET	entagen dia make Tibe	in in the same of	466 9
Blank Conc. (mg/L= mg/Kg		Concentration		Detection bit	
Gasoline Range C5 - C10	•	ND		0.2	
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
The street region program and the street are the street at	en a la companya da l	and the second second	to the second	and the second of the second of the second	
Duplicate Conc. (mg/Kg)	Sample _	Duplicate	-% Difference	Accept Range	
Gasoline Range C5 C10	ND	ND .	0.0%	" `O ~ 30%	
Diesel Range C10 - C28	28.3	28.2	0.4%	0 - 30%	
ties and the fill think is well a live only the same in the same after some or think	· · · · · · · · · · · · · · · · · · ·	continuous values and values and values are the control of the con	and a marie and the said marie	San	sta visusta i Lauresta ani
Spike Conc. (mg/Kg) 🥡 🔻	Sample	Spike Addad	Spike Result	%:Recovery	Accept Renge
Gasoline Range C5 - C10	" ND	250	250	100%	75 - 125%
Diesel Range C10 - C28	28.3	250	269	96.8%	. 75 - 125%

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 46033 - 46035, 46042, 46059, 46061, 46062, and 46068.

Analyst



### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

•			
Client:	Chevron	Project #:	92270-0269
Sample ID:	Under Liner	Date Reported:	06-30-08
Laboratory Number:	46059	Date Sampled: 🎉 💃	06-23-08
Chain of Custody:	4665	Date Received:	06-23-08
Sample Matrix:	Soll	Date Analyzed: 🕌	08-26-08
Preservative:	Cool	Date Extracted:	06-26-08
Condition:	Intact	Analysis Requested:	BTEX
	· · · · · · · · · · · · · · · · · · ·	2.2	

Parameter	<b>15</b>	Concentration (ug/Kg)		Limit (ug/Kg)	
	** 4)				
Benzene	:	ND		0.9	
Toluene	`.s	8.2		1.0	
Ethylbenzene	•	1.8		1.0	
	, é	40.7		1.2	
p,m-Xylene o-Xylene	lab.	8.9		0.9	
Total BTEX	( . 'A	59.6	Ç,		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoverles: 😒	Parameter	*	Percent Recovery	
	Fluorobenzene	12	98.0 %	
i.e.	1,4-difluorobenzene	· ·	98.0 %	
	Bromochlorobenzene		98.0 %	

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Shiotoni #11

Analyst

Paview

## ENVIROTECH LABS

### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

				····	
Zlient:	N/A		Project #:	•	N/A
ample ID:	06-26-BT QA/QC		Date Reported:		06-30-08
aboratory Number:	46031 Soll		Date Sampled:		Ņ/A
emple maux: reservative:	N/A		Date Received:	•	N/A 06-26-08
condition:	N/A		Date Analyzed: Analysis:		BTEX
alibration and	I-CaliRE	.C.Cal RF	%Ölff		
Detection Limits (ug/L)	T-Gen (Vi	Accept Rang	Mark Voltages Tables 7	Blank Conc	Detect Limii
enzene	1.6855E+007	1.6889E+007	0.2%	ND	. 0.1
oluene	1.4085E+007	1.4114E+007	0.2%	ND	0.1
thylbenzene	1.0004É+007	1.0024E+007	0.2%	ND	0.1
,m-Xylene	2.3348E+007	2.3395E+007	0.2%	ND	0.1
-Xylene	9.2125E+006	9.2309E+006	0.2%	ND	0.1
ŧ			•	•	
	<b>5</b> • •				
uplicate Sonc (uq/kg) enzene oluene	Sample ND ND	Diplicate ND ND	0.0% 0.0%	0 - 30% 0 - 30%	Ootest, Limit  0.9 1.0
thylbenzene	ND	, ND	0.0%	0 - 30%	1.0
,m-Xylene	ND ND	ND	0.0%	0 - 30%	1.2
-Xylene	ND	ND	0.0%	0 - 30%	0.9
-		ND	0.07		<b></b>
			•, •		Č
ilke Conc. (ug/Kg)	Samule	Amount Spikedien	Snike (Samole	%iRecovery	AcceptiRangu
onzene	ND	50.0	49.5	99.0%	39 - 150
oluene	· ND	50.0	49.4	98.8%	46 - 148
thylbenzene	ND	50.0	49.8	99.6%	32 - 160
					- <del>-</del>
m-Xylene	ND.	100	97.0	M/.U76	46 - 148
m-Xylene -Xylene	ND ND	100 <b>5</b> 0.0	97.0 49.9	97.0% 99.8%	46 - 148 46 - 148

ND - Parameter not detected at the stated detection limit.

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-848, USEPA,

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors, SW-848, USEPA December 1996.

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

Comments:

QA/QC for Samples 46031 - 46035, 46042, 46059, 46061 - 46062, and 46068.

Analyst



#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	Ł	92270-0269
Sample ID:	Under Liner	Date Reported:		07-02-08
Laboratory Number:	46059	Date Sampled:		06-23-08
Chain of Custody No:	<del>46</del> 65	Date Received:		06-23-08
Sample Matrix:	Soil	Date Extracted:		06-26-08
Preservative:	Cool	Date Analyzed:		07-02-08
Condition:	Cool and Intact	Analysis Needed:		TPH-418.1

			Det.
·	Concentration	,	Limit
Parameter	(mg/kg)		(mg/kg)

**Total Petroleum Hydrocarbons** 

783

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Shiotoni #11.

Analyst

Mistry Waster



# EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client:		QA/QC		Project #:		N/A		
Sample ID:		QA/QC		Date Reported	:	07-02-08		
Laboratory Number	r:	07-02-TPH.QA/QC	46059	Date Sampled:	•	N/A		
Sample Matrix:		Freon-113		Date Analyzed	:	07-02-08		
Preservative:		N/A		Date Extracted	l:	06-26-08		
Condition:		N/A		Analysis Need	ed:	TPH		
Calibration	i-Cal Date 07-02-08	C-Cal Date 07-02-08	-Cal RF: 1,440	C-Cat 共F; 1,330	% Difference 7.6%	Accept, Range +/- 10%		
Blank Conc. (m TPH	g/Kg)	·	Concentration		Detection Lim 5.0	<b>ú</b> t		
Duplicate Conc TPH	, (mg#Kg)		Sample 783	Duplicate 864	% Difference 10.3%	Ancept. Range +/- 30%		
Spike Conc. (m	g/Kg)	<b>Ġä̇́mpie</b>	Spike Added	Spike Result	% Recovery	Accept Range		
TPH		783	2,000	2,360	84.8%	80 - 120%		
	•							

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

QA/QC for Samples 45932, 46059, 46096 and 46207.

Analyst

Printer Wester



#### Chloride

Client:	Chevron	Project #:	92270-0269
Sample ID;	Under Liner	Date Reported:	06-30-08
Lab ID#:	46059	Date Sampled:	06-23-08
Sample Matrix:	Soll	Date Received:	06-23-08
Preservative:	Cool	Date Analyzed:	06-25-08
Condition:	Intact	Chain of Custody:	4665

Parameter

Concentration (mg/Kg)

**Total Chloride** 

225

Reference:

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Shiotoni #11.

Anaivst

Review Mucheles

### CHAIN OF CUSTODY RECORD

4665

Client: Project Name / Location:										•					مرمند								
CHEVRON			SHIOTOM	ا <u>ۃ</u> ہد	1			ļ						ANA	LYSIS	/ PAH	AME1	EHS				~ <del></del>	
Client Address:			Sampler Name:	er4					015)	8021)	3260)	LO.											
Client Phone No.:			Client No.: 92230-0				-		TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8250)	RCRA 8 Metals	Cation / Anlon		TCLP with H/P		18.1)					000	e Intact
Sample No./ Identification	Sample Date	Samp Time	I AN NO	Sample Matrix	I ~f	_	-	7-1	TPH (N	BTEX (	voc (A	HCRA	Cation	Z.	TCLP v	РАН	TPH (418.1)	<u>_</u> []_				Sample Cool	Sample Intact
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				96 U.S. H	ENV ghway 64								Ĩ.	2-0619	· · ·		-		`				

### DISPOSAL FACILITY NAME AND PERMIT NUMBER

Contaminated Soil Bills of Lading

District II
1625 N. French Dr., Hobbs, NM 38240
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-138 Revised March 12, 2007 \*Surface Waste Management Facility

Operator and Generator shall maintain and make this documentation available for Division inspection.

REOUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Chevron c/o Doug Elworthy 126 Rockpoint Dr. Suite B Durango CO 81301
2. Originating Site: Shiotani #11
3. Location of Material (Street Address, City, State or ULSTR): Section 6, Township 29N, Range 12W Unit Letter J. San Juan County, New Mexico
4. Source and Description of Waste: Drilling mud with Production stream material from drilling new well.
Estimated Volume / bbls Known Volume (to be entered by the operator at the end of the haul) bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
I, Mike Dreyer, representative or authorized agent for Chevron do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.    Comparison   Compariso
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS
I, Mike Drever, representative for Chevron do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Crossfire
CD Permitted Surface Waste Management Facility
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011
Address of Facility: Hilltop New Mexico
Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other
Vaste Acceptance Status:
APPROVED DENIED (Must Be Maintained As Permanent Record)
RINT NAME:April E Pohl TITLE:Land Farm Administrator DATE: DATE:
IGNATURE: TELEPHONE NO.: 505-632-0615

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# Bill of Lading MANIFEST #

OAD	COM	LETE DESCRIP	TION OF SHIPMEN	VIT.			TRANSPO	RTING	COMPAI	NY I I
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	ĞRIO	YDS.	BBLS	COMPANY	TBK#	TIME	DRIVER SIGNATURE
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					<i>[2]()</i>			2003 ( ) 2003 ( )		
LTS C	CHLORIDE TEST	LANDFARM					NOTES:			
	AINT FILTER TEST	EMPLOYEE								
6.296	material hauled from the ab	ove location has	not been added to	or mixed w	ith, and is	the sam	e havierial received	om the	ahove	Tention and Co
audill	ional materials have been a		COMPANY 2				SIGNATURE			ionioned delletator, ar

Eſ	1	VI.	R	<b>)</b> '	TE	C	H	11	1		- WATER - WOOD - W.
Contract Contract		a section of	and the second	maneral belon	All and the second	Self all consequences in	Company Second	COLUMN TO THE PARTY	V2000000000000000000000000000000000000	2000-0418-4VC-+	i

### Bill of Lading

MANIFEST:#

PHONE	THE STATE OF THE S	96:U:S.:HIGHWAY	64 · FARMINGTO	DN, NEW M	EXICO 8740	n) [	DATE		Job# <u>477</u>	<u> 7878/7</u>
LOAD	COM	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSP	DRTING CON	MPANY	
NG.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBĽS.	GOMPANY	TRK# TII	ME DRIVER	RISIGNATURE
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RESULTS		IANDEARW			144	NO	TES:			
	CHLORIDETEST 75	LANDFARM EMPLOYEE:						TABLE VIII		
	PAINT FILTER TEST	above location has	not been added t	o.or mixed!	with; and is t	he same m	aterial receive	de ant mont	OVErmentioner	d Gapanasa
that no addi	ilional materials have been	addeds	COMPANY 🚣				i SIGNATUI			r Generator, and
G@MPANY/C	ONTAGT		PHONE			72 - Z	DATE			b gul

### Bill of Lading

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	PLETE DESCRIPTION	DN:OF/SHIPMENT		<b>3 3</b>	TRANSPO	ATING C	OMPAN	
NO. POINT OF ORIGIN	DESTINATION	MATERIAL	GRID.	YDS BBLS	COMPANY	TRK#	TIME	DRIVER/SIGNATURE
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RESULTS					 N⊚πES			
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RAINT FILTIER TEST 7	bove location has n	ot been added to c	or mixed wi	theand is the same	e matériali received	trom the	ik [i] abovo ≈	

Certify the material-hauled from the above location has not been added to or mixed with; and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME

SIGNATURE

AME SIGNATURE SIGNATURE DATE PHONE SIGNATURE

## Bill of Lading MANIFEST #

PHON	E: (505) <b>632-</b> 0615 • 57	96.U.S.HIGHWAY	64 • FARMINGTO	DN! NEW MI	EXICO 874	01	DATE <u>7 4/</u>		JOB# <u>7/</u>	
LOAD.	COM	RLETTE DESCRIPT	ON OF SHIPME	NT			TRANSPO	RTING C	OMPANY	
NO:	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME, DRIVE	R SIGNATURE
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		PAINT F	ILTER'I	EST 7															
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thất	no ado	litional n	naterials	have be	en adde	ď."			-							ic above	iner tromet	J. Generato	
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Sales and and	E	$\bigcap$	V	IR	0	T	E(			7

# Bill of Lading Manifestia

PHONE: (505):632-0615: 5796:0:S. HIGHWAY 64: FARMINGTON, NEW MEXICO:8740:1:

NO. POINT-OF-ORIGIN DESTINATION: MATERIAL GRID YOS BBLS COMPANY THE TIME DRIVER SIGNATURE  A COMPANY THE TIME SIGNATURE  A	LOAD	PLETE DESCRIPTION OF SHIPME	ENT	TRANSPORT	NG COMPANY
	POINT OF ORIGIN	DESTINATION: MATERIAL	GRID YYDS BBLS	COMPANY	RK#- TIME DRIVER/SIGNATURE
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PAINT/FILTERTEST /2		- EMPLOYEE:			

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-marks			18 Sec. 1 18 25 1	and the second second	34 xx 40 11 2 105 1	95 L.C. 1393	20 3.00 20 00 00 000 20	2225 XX 1 1 1 2 2	98. 36682° 20 - 3315	\$5.000 v2000	20 4 4 10 5 5 . S. S.	3838367 1379847	8 1 Street	ANDERSON	52.542.49W/2000995 N	Sec. 25 275 10	2 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************		100	200209200	18.4 × 1. 18. 18.	AL 33/98/97/25/2007	# 36.39 GN TORON 27	2222 Sept. (75 m)
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## Bill of Lading MANIFEST #

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	Section 1									
					(a) (1) (7) (2) (3)					elle Santa
ILTS		LÄNDFÄRM					NOTES:			
Market ( )	CHLORIDE TEST PAINT FILTER TEST	EMPLOYEE:								
#WJ.kG	e material hauled from the a									

### Backfill and Cover Installation:

Clean virgin backfill was purchased from Envirotech's NMOCD permitted landfarm #2 and transported to the site; see Bills of Lading. Approximately 708 cubic yards of contaminated soil was removed and replaced with approximately 654 cubic yards of clean fill. The clean soil was added to the excavated area. The site was capped using native soil that was excavated to construct the temporary pit.

### SOIL BACKFILLING AND COVER INSTALLATION

Clean Fill Bills of Lading

	Envi	ROTE	CHI	INC.
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### Bill of Lading

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હેન્દ્ર	460	24. 00	1.4	. ~	200	V 50 2 98	78.98	1 2 mg	6 AL	9.36	13.45	March 1	D. Jak	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Sec. 20.	. 8.4.5	e.k.	1

LOAD	COM	RLETE:DESCRIPT			CXICU 674		TRANSPO	DRTING COMP	ANY
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	11 Table 2007 Control of Control								
			And the factories						
		All Sales					The State Control of the State		
SULTS		LANDFARM	194				NOTES:		
	CHLORIDE TESTS	EMPLOYEE							
	PAINT FLITER TEST	bove location has	not been added/to	) or mixed v	vith; and is	the sam	e material received	from the above	e mentioned Generator: and

A Comment of	E		V	R	<u>)</u>	T		1	4	1	$\bigcirc$	" Charleson
		Ger (		100				10.00	W. 24	Jeans I		ä

## Bill of Lading MANIFEST ....

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NO:	POINT OF ORIGIN.	DESTINATION	MATERIAL	GRID	Y.D.S	BBLS	COMPANY	TRK#	TIME	DRIVER S	SIGNATU
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	Table 200				<u> </u>		- 1944 1944 - 1944				
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บุเกร							N@TES:				
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	PAINT FILTER TEST				7.54			E 13			

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## Bill of Lading MANIFEST #

PHON	IE: (505) 632-0615 ÷ 57	96 Ü.S. HIGHWAY 6	4 - FARMINGTO	N. NEW ME	XICO 8740	) Ji	DATE <u>// //</u>		JOB# <u></u>	
LOAD	E@Mi	PLETE DESCRIPTION	ON:OF SHIPMEN	ĬĪ.			TRANSPO	RTING COI	VIPANY.	
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS.	COMPANY	TRK# T	ME DRIVER	SIGNATURE
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RESULTS	And the second s						NOTES:		2.0	
<u> </u>	CHLORIDETEST	LANDFARM;	and the second						2.00	
	PAINT FILTER TEST	EMPLOYEE:	10 mg/m							
	ne material hauled from the a ditional materials have been		ot been added to	or mixed w	ith, and is	the sam	e imaterial received	from the a	ove mentioned	Generator and
NAME			OMPANY	<u>- (                                   </u>			SIGNATUR	Ē,		$=-\sqrt{1}$
COMPANY	CONTACT	Silver Silver F	HONE !!				DATE.			ar hun tigaddica (tra :cr

ENVIROTECH INC
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# Bill of Lading MANIFEST #

PHONE	E= (505) 632-0615 •57	96 U.S. HIGHWAY	64 • FARMINGTO	N. NEW M	EXICO 874	(01)	DATE 💯 🖊	<u> </u>	8#1 <u>49970-3268</u>
LOAD	COM	PLETE DESCRIPT	ION OF SHIPMEN	vī			TRANSPC	RTING COMPA	Ň <b>Y</b>
NO:	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK# TIME	DRIMER SIGNATURE
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### Bill of Lading

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### <u>ENVIROTECH INC</u>

## Bill of Lading

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OMPANY CONTACT: 4 24 / 1 PHONE / / 4

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### RE-VEGETATION APPLICATION RATES AND SEEDING TECHNIQUE

Crossfire Seeding Typical Right of Way/Location Reclamation

### Crossfire Seeding Typical Right of Way/Location Reclamation

### I. Walk Through

• Discussion of site specific BMP's

### II. Soil Preparation

- Rip all areas of compaction where necessary and possible
- Disc ROW twice to prepare seedbed and to reduce the berm left over the pipe to minimize water channeling

### III. Seeding

- Drill specified seed mix at required rate on all areas where possible
- Broadcast or hydroseed area that are too steep for drill seeding (When seed is broadcast or hydroseed, the seed rate is doubled)

### IV. Mulching

- Certified Weed Free Straw is applied at a minimum of 2 tons per acre
- Straw is mechanically crimped into soil in all areas where terrain permits
- Straw is tacked in place where it cannot be crimped using 200 lbs of plantago based tackifier per acre. Tackifier is applied using a hydroseeder
- Hydromulch is used on areas where straw is impractical. When
  hydromulching, the seed is either applied by broadcasting or
  hydraulically using a hydroseeder then mulch is applied using
  2500-3500 lbs/acre of 100% thermally refined wood mulch and
  200lbs of a Plantago based tackifier per acre.

#### V. Erosion Control Blankets

- Seed is applied using a hydroseeder, broadcast and harrowed or raked prior to blanket installation
- SR2 or equivalent double netted excelsior or straw blankets are installed to manufacture specifications and site specific BMP's
- Blankets are maintained and/or replaced as necessary

#### VI. Wattles

- 9" excelsior wattles are installed where directed by site specific BMP's
- Wattles are maintained and/or replaced as necessary

Shawn Davis

Project No.92270-269

Environmental Specialist Chevron USA

11111 S. Wilcrest

Phone: (281) 561-4977 Cell: (713) 822-4162

Houston, TX 77099

October 16, 2008

Mr. Brandon Powell New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, NM 87410

Phone: (505) 334-6178 ext. 15

RE: SAMPLING AND CLOSURE OF A DRILL PIT LOCATED AT THE SHIOTANI #11 WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Powell,

Envirotech has completed the sampling of a drill pit located at the Shiotani #11 well site, San Juan County, New Mexico. Closure was completed by a third party. Attached to this letter are the field analysis and the C-144 pit closure documentation.

Closure of this drill pit has followed the recently approved "Pit Rules" with the exception of prior approval of the closure plan, due to this process beginning prior to the new rule being in place.

A sample was collected of the material inside the drill pit, and analyzed for DRO/GRO fraction via USEPA Method 8015, TPH via USEPA Method 418.1, Benzene and BTEX via USEPA Method 8021, and Chlorides at Envirotech's Laboratory. The material was then removed and transported to Envirotech's Landfarm #2, Hilltop, New Mexico. An additional sample was collected from under the liner once all material was removed. This sample was analyzed for the same parameters as above.

The sample collected from below the liner was below the New Mexico Regulatory Standards for a temporary pit greater than 100 feet from groundwater, of less than 0.2 ppm benzene, 50 ppm Benzene, Toluene, Ethylbenzene, and Xylene (BTEX), 500 ppm DRO/GRO fraction, 2500 ppm Total Petroleum Hydrocarbons (TPH), and 1000 ppm Chlorides.

Attached to this document are the Plot Plan, Confirmation Sampling results, Disposal facility Bills of Lading, Backfill and cover plan with clean fill Bills of Lading, the Re-vegetation Application Rates and Seeding Technique, and the notice of closure letter to the land owner.

Based on the results from the sampling at the Shiotani #11 well site, Chevron has completed closures as per current regulations. Chevron would like to request a no further action determination be given for this drill pit. If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shawn Davis

Shown Davis

Chevron North America

Exploration & Production Company

Enclosures: C-144

Field Notes

Laboratory Analytical Results

Certificate of Waste

Bills of Lading

Re-vegetation Application Rates & Seeding Technique

Notice of Closure to Land Own



North



East



South

