District 1
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Biazos 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 1220 South St. Francis Dr. Santa Fe, NM 87505

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.

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	,		

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

,	Closure of a pit Modification to	closed-loop system, below- t, closed-loop system, below o an existing permit only submitted for an existing native method	-grade tank	c, or proposed	l alternative method	system,
, Instruction	ns: Please submit one application (Fori	m C-144) per individual pit, cle	osed-loop sy	stem, below-gr	rade tank or alternativ	e request
	t approval of this request does not relieve th					
	es approval relieve the operator of its respo	onsibility to comply with any other	er applicable	governmental a	uthority's rules, regulat	ions or ordinances.
I. Onerator:	DJ Simmons, Inc	OGRID#		005578		•
-	1009 Ridgeway Place					
	me:Blanco Wash 26-2					
-	004535019					
	LSection26					_
	d Design: Latitude					□1927 🕅 1983
	Federal State Private Tribal			107.030711	11112	
	Ji cuciai [State [Titvate [S Titvat	Trust of Malan Miotheric				
2. Dit: Subsection	ion F or G of 19.15.17.11 NMAC				ROUNIN	
	orilling Workover				on cons	The state of the s
	Emergency Cavitation P&A				0191	
	lined Liner type: Thickness 20 mil	□ LLDPE□ HDPE□ PV	C 🗀 Other			
String-Reinford	• •		о <u>га</u> опис			
	Welded Factory Other	Volume:	6234 bbl	Dimensions i	in Feet: L100 x W 35 x	D 10
Emer Godins. (2)	Telect Tractory Comer					
□ 3. □ Closed-loon S	System: Subsection H of 19.15.17.11 N	JMAC				
	n: P&A Drilling a new well V		to activities	which require		
Drying Pad	Above Ground Steel Tanks 🔲 Haul	l-off Bins 🔲 Other		-		
🔲 Lined 🔲 Unli	ined Liner type: Thickness	milLLDPE HDI	PE PVC	Other	22223	24253
Liner Scams:	Welded Factory Other	,				28.26.75 ED 28.2
4.					RECEIV	EU &
Below-grade	tank: Subsection 1 of 19.15.17.11 NM	AC			PRECEIVE OIL CONS. DIV	10 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Volume:	bbl Type of fluid:			_	14 COME DI	الكي I.DIST. 3 كال
Tank Construction	n material:		•		OIL COMP. D.	2/
Secondary co	ontainment with leak detection [] Visit	ble sidewalls, liner, 6-inch lift a	n d automati	c overflow shu	it-off	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
. —	valls and liner Visible sidewalls only				6878	140

mil HDPE PVC Other

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration.	on of approval
6	
Fencing: Subsection D of 19 15 17 11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six fect in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, institution or church)	hospital,
 ➢ Four foot height, four strands of barbed wire evenly spaced between one and four feet ☐ Alternate. Please specify 	
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 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 acceptant material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate of the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry 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 ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (Applies to permanent pits) - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	Yes No
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 NM Office of the State Engineer - IWATERS database search; Visual inspection (certification) of the proposed site	Yes 🖾 No
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	☐ Yes ⊠ No

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	
Within the area overlying a subsurface mine.	☐ Yes ⊠ No
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	
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 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the document of the statement of the state	
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 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. and 19.15.17.13 NMAC	15.17.9 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 do attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.1 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NM 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 and 19.15.17.13 NMAC	15.17.9 AC
Previously Approved Design (attach copy of design) API Number:	
Previously Approved Operating and Maintenance Plan API Number:(Applies only to closed-loop systems)	stem that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)	
13. 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 do attached.	cuments are
☐ 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	
Leak 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 ₂ S, Prevention Plan	
Emergency Response Plan	
Oil Field Waste Stream Characterization	
Monitoring and Inspection Plan Erosion Control Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17 9 NMAC and 19.15.17.13 NMAC	

14. <u>Proposed Closure</u> : 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 co	onsideration)			
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				
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if m facilities are required.	NMAC) nore than two			
Disposal Facility Name: _Basin Disposal Disposal Disposal Facility Permit Number: NM-01-005				
Disposal Facility Name: Disposal Facility Permit Number:				
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future serv Yes (If yes, please provide the information below) No	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. Recommendations of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions of exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justif demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	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 wells	☐ 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 wells	☐ 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 wells Yes No NA NA				
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				
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Yes No Visual inspection (certification) of the proposed site; Aerial photo; Satellite image				
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 NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site				
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☑ No			

(.)

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality					
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site					
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				
On-Sitè Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan 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 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 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. 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 Waste Material Sampling Plan - 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 or in case on-site closure standards cann 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 G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	15.17.11 NMAC				
19. Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believe the complete the complete to the best of my knowledge and believe the complete the comple	ief.				
Signature: Signature: Date: O/ 20/20/0					
20. OCD Approval: Permit Application (including closure plan) Closure Plan (only) / Q-OCD Conditions (see attachment)	5/6/0				
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. X Closure Completion Date: 10 / 05 / 20 / 0					
22. Closure Method: Waste Excavation and Removal ☑ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-I ☐ If different from approved plan, please explain.					
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-Constructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use atta	off Bins Only:				

In accordance with 19.15.17 NMAC the following information describes the design, construction, operation and closure requirements of temporary pits (TPs) on DJ Simmons, Inc locations, hereinafter known as DJ Simmons locations, in the San Juan Basin of New Mexico. This is DJ Simmons's standard procedure for all TPs. A separate plan would be submitted and utilized for any TP which does not conform to this plan.

Design, Construction, and Operation

- ➤ DJ Simmons shall follow all of the design, construction and operation guidelines and stipulations outline below and contained in their entirety within paragraphs (1) through (11) of Subsection F of 19.15.17.11 NMAC and paragraphs (1) through (8) of subsection A and paragraphs (1) through (5) subsection B 19.15.17.12 NMAC.
- > DJ Simmons shall use appropriate engineering principles and practices and follow applicable liner manufactures' requirements.
- The temporary pit will be designed and constructed to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- ➤ Prior to pit construction, excavated topsoil will be stockpiled and stored for use as the final cover or fill upon closure and reclamation.

Closure Requirements

➤ DJ Simmons shall abide by the closure requirements outlined below and contained in their entirety in NMAC 19.15.17.13

With the exception of closing the pit prior to taking the five point composite samples and not reseeding this season but awaiting for the spring season (see explanations below) DJ Simmons, Inc. complied with the remainder of the approved articles.

- ▶ DJ Simmons shall close a temporary pit within 60 days of cessation of the temporary pits' operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The C-144 closure report form would be filed with the Division. All closure activities will include proper documentation as stipulated by NMAC 19.15.17 and will be submitted to OCD within 60 days of the closure on a Closure Report using Division Form C-144. The report will include the following:
- Details on Capping and Covering, where applicable
- Plot Plan (Pit Diagram)
- Inspection reports

• Sampling Results

The Closure Plan is being submitted prior to the 60 days of cessation of the temporary pits operation. The pit was only used for the drilling process and not the completion process. A Closed Loop System has been applied for with OCD for the completion process.

▶ DJ Simmons shall remove by vacuum truck all free standing water from the temporary pit prior to implementation of a closure method. The liner will be cut off at the mud line and hauled to a permitted disposal site. The mud and drill cuttings along with the remaining portion of the liner will be buried in accordance with NMAC 19.15.17.13(F) (2) (e). Liquids will be removed in a manner that the appropriate Distric Office approves including; recycled, reused, reclaimed, evaporated, and/or disposed of in a Division-approved facility.

The free standing water from the drilling process was vacuumed off by a truck and disposed of by Basin Disposal. The drill cuttings were allowed to dry. There were no stains on the soil as low as the mud line where the liner was cut off. However, due to a miscommunication between the field and office the reserve pit was closed on October 5, 2010.

> DJ Simmons shall test the soils beneath the below-temporary pit to determine whether a release has occurred. DJ Simmons shall collect, at a minimum, a five point, composite sample. The samples would be taken of the affected area using sampling tools and all samples tested per 19.15.17.13(B)(1)(b) NMAC. In the event that the criteria are not met (See Table 1), all contents will be handled per 19.15.17.13(B)(1)(a) (i.e. dig and haul to a Division-approved facility). Approval to haul will be requested of the Aztec District office prior to initiation. Collected samples would include individual grab samples from any area that is wet, discolored or showing other evidence of a release: and analyze samples for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA methodology that the division approves, does not exceed 50mg/kg: the TPH concentration, as determined by the EPA method 418.1 or other EPA methodology that the division approves, does no exceed 100 mg/kg: and the chloride concentration, as determined by the EPA method 300.1 or other EPA methodology that the division approves, does not exceed 250 mg/kg, or the background concentration, which may be greater. DJ Simmons shall notify the division of its results on form C-141.

Table 1: Closure Criteria for Below Grade Temporary Pit

Components	Testing Methods	Closure Limits (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2
BTEX	EPA SW-846 Method 8021B or 8260B	50
TPH	EPA SW-846 Method 8015 M(Full Range)* or	2500
	Method 418.1	
GRO/DRO	EPA SW-846 Method 8015M (GRO/DRO)	500
Chlorides	EPA SW-846 Method 300.1	1000

On October 12, 2010 a meeting was held with the Aztec District Office of OCD about the pit closure without sampling. There were two options available 1) reopen the pit and take the five point composite samplings or 2) hand auger the five point composite samplings. It was decided to do the option Number 2 first and test to see if they were within the legal limits of the pit rule.

On October 22, 2010 Envirotech completed the five point sample composite tests and on November 15, 2010 DJ Simmons, Inc. received the Drill Pit Closure Documentation Report for the Blanco Wash 26-2 reserve pit. The sample returned results below the regulatory limits for all constituents analyzed and Envirotech recommended no further action (Report attached).

- ➤ If DJ Simmons or the division determines that a release has occurred, DJ Simmons shall comply with 19.15.17.116 NMAC and 19.15.1.19 NMAC stipulations as appropriate. N/A
- ➤ If contamination is confirmed by field sampling, DJ Simmons will follow the Guidelines For Remediation Of Leaks, Spills, and Releases per NMOCD August 1993 mandate, when remediating identified contaminants. N/A
- ➤ If the sampling program demonstrates that a release has occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then DJ Simmons shall backfill the excavation with compacted, non-waste containing., earthen material: construct a division prescribed soil cover: re-contour and re-vegetate the site.

The five point composite sample and lab analysis determined all samples were below the regulatory limits for all constituents analyzed under USEPA Method 8015, USEPA Method 8021, USEPA Method 418.1, and USEPA Method 4500.

- Notice of Closure will be given to the Aztec Division office between 72 hours and 7 days (one Week) of the closure via e-email, or verbally. The notification of closure will include the following:
 - o Operator's name (DJ Simmons)
 - o Well Name and API Number
 - o Location (USTR)

In person notice was given on October 12, 2010 when the decision on how to test the sampling in the reserve pit were made.

All closure activities will include proper documentation and be available for review per request and will be submitted to OCD within 60 days of closure of the below grade tank. The closure report will be filed on a C-144 form and incorporate the following:

- *i.* Details on Capping and Covering, where applicable
- ii. Inspection reports
- iii. Sampling Results

Sampling report and analysis is attached and in the company well file. The details concerning the covering were completed by a contractor. However, no Company Inspector was available so no inspection report is available. Photographs of the reclaimed well site are attached for review.

Re-contouring of the location shall match the original geographic features and topographic fit, lines, form, shape and texture of the surrounding topographical contours. Re-shaping of the contour will include establishment or reestablishment of drainages to control sedimentation, total dissolved solids (TDS), and to mitigate ponding and prevent erosion. Natural drainages will be unimpeded and appropriate hydrologic BMPs such as water bars and/or silt traps will be placed in areas where needed to prevent erosion and sediment movement on a large scale. The final re-contour shall have a uniform appearance with smooth surface, fitting the aesthetic of the surrounding natural landscape.

The reclamation of the well pad and reserve pit were completed on October 4 and 5, 2010. The drainage for the well pad was designed per Bureau of Indian Affairs stipulations concerning drainage that a berm wall be built on the south side of the well pad. No drainages are impeded because they were avoided during construction due to rounding off the southeast corner of the well pad. The final re-contour has a uniform appearance with smooth surface, fitting the aesthetic of the surrounding natural landscape (see attached photographs).

DJ Simmons shall seed the disturbed areas within the first growing season after the operator has closed the pit. Seeding will be accomplished using a seed drill on the contour whenever possible or by other division approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: DJ Simmons assumes the seeding stipulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) or Land owner as part of a surface use agreement or APD are Division-approved methods unless notified by the Division of their unacceptability. The operator will be responsible for monitoring vegetative stand development and for eradicating all noxious/invasive weeds within the re-vegetated area.

In early October DJ Simmons, Inc. was awaiting sampling. Then after the sampling the soil started the freeze/thaw cycle and it was decided to wait until spring to reseed the reserve pit area with the BLM Seed Mix stipulated by BIA.

A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil whichever maybe greater.

Sampling revealed a cover varying from five to nine feet deep. The top one foot of soil should be suitable for germination of the stipulated BLM Seed Mix.

> The surface owner shall be notified of DJ Simmons's proposed temporary pit closure plan using a means that provides proof of notice (i.e. certified mail/return receipt requested)

Attached is the Sundry Notice filed with BLM for BIA on November 19, 2010 since this is the procedure utilized for any Navajo Allottee Lease.



November 10, 2010

Project Number 06114-0013

Email: ssacks@djsimmons.com

Phone: (505) 326-3753

Extension 127

Mr. Steve Sacks
DJ Simmons, Inc.
1009 Ridge Place, Suite 200
Farmington, New Mexico 87401

DRILL PIT CLOSURE DOCUMENTATION FOR THE BLANCO WASH 26-2 WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Sacks,

RE:

Attached please find the field notes and analytical results for drill pit closure activities conducted at the Blanco Wash 26-2 well site located in Section 26, Township 24 North, Range 8 West, San Juan County, New Mexico. On October 22, 2010, Envirotech personnel were on-site to collect a five (5)-point composite sample from a reclaimed drill pit. Using a hand auger, Envirotech personnel augered to approximately five (5) to nine (9) feet below ground surface where a five (5)-point composite sample was collected; see attached *Field Notes*. The sample was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for gasoline and diesel range hydrocarbons using USEPA Method 8015, for benzene and BTEX using USEPA Method 8021, for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, and for total chlorides using USEPA Method 4500. The sample returned results below the regulatory limits for all constituents analyzed; see attached *Analytical Results*. Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,

Envirotech, Inc.

D.J. SIMMONS INC NOV 1 5 2010

Rene Garcia-Reves

Environmental Field Technician rgarcia@envirotech-inc.com

Enclosures:

Field Notes

Analytical Results

Cc:

Client File 06114

DT Simmons, Inc 3004835019

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	EPORT: B						
LOCATION: NAME: Blanco			2	TEMP PIT: \			BGT:
LEGAL ADD: <u>UNIT:</u> QTR/FOOTAGE: <u>309610 & 4</u> 5	SEC: 76	NTY:		24N	RNG: (<u>e</u> w	PM:
711	1 00 0	NII.	20	7 3/			
EXCAVATION APPROX:	FT. X		FT. X		FT. DEEP	CUBIC YA	ARDAGE:
DISPOSAL FACILITY: // \textstyle		DI 5:30	REMEDIA 45350	TION METHO	DD: BGT / PIT	VOI ME	/ <u> </u>
CONSTRUCTION MATERIAL:				27 7) WITH LEAK			
LOCATION APPROXIMATELY:		T.	,	FROM WELL			
DEPTH TO GROUNDWATER:	> 100 1						
TEMPORARY PIT - GROUNDWAT							
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg	g, GRO & DRO	FRACTION	$\sqrt{(8015)} \le 50$	00 mg/kg, TPH	$(418.1) \le 250$	0 mg/kg, CH	LORIDES ≤ 500 mg/kg
TEMPORARY PIT - GROUNDWA							
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg	g, GRO & DRO I	FRACTION	$V(8015) \le 50$	0 mg/kg, TPH (418.1) ≤ 2500) mg/kg, CHl	LORIDES ≤ 1000 mg/kg
PERMANENT PIT OR BGT							
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg	/kg, TPH (418.1)) ≤ 100 mg/l	kg, CHLORI	DES ≤ 250 mg/l	сg		
Top 45	CAN (DV D V D)	1 1 1 1 1 1 1		D 418.1 ANAL		Inn. pp.c	CALC (v-/b-)
TIME	SAMPLE I.D. STD	LAB NO.	WEIGHT (g	mL FREON	DILUTION	READING	CALC. (mg/kg)
Spt composite 11:30	PiT	1	<u></u>			4023	artothe
>		3				lab.	
		4					
		5					
L		6				<u> </u>	
PERIMETER		FIELD CI	HLORIDE	S RESULTS		PRO	OFILE
		SAMPLE		CALC.			
		ID	READING	(mg/kg)			
ISEP (AST)	(KST) -						
						9 1000	7-8 deep,
	ا (ہو۔۔۔		_			1000	
	, F				/	1023	23/10/
		F	ID RESU	LTS		1	0 2
		SAMP	LE ID	RESULTS	1 2	3'	3-6
. (Fump &	, -			(mg/kg)	061		, 0 ,
720			•		-		15'deen
	-				1 • • • • • • • • • • • • • • • • • • •		, CP
Pit		•			ac		d Daired b
						70	d points
LAB SAMPLES SAMPLE ID ANALYSIS RESULTS	NOTES:						
BENZENE BENZENE					,		
BTEX							
GRO & DRO CHLORIDES	}						
GIBORDES	1						
	WORKORDER	<u>#</u>		WHO ORDER	ED		



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	DJ Simmons	Project #:	06114-0013
Sample ID:	Pit	Date Reported:	10-25-10
Laboratory Number:	56281	Date Sampled:	10-22-10
Chain of Custody No:	10595	Date Received:	10-22-10
Sample Matrix:	Soil	Date Extracted:	10-22-10
Preservative:	Cool	Date Analyzed:	10-25-10
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)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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:

Blanco Wash 26-2/Pit Closure

Analyst

Review

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #	N/A
Sample ID ⁻	10-25-10 QA/QC	Date Reported	10-25-10
Laboratory Number	56273	Date Sampled:	N/A
Sample Matrix	Methylene Chloride	Date Received.	N/A
Preservative:	N/A	Date Analyzed:	10-25-10
Condition ⁻	N/A	Analysis Requested:	TPH

	:⊬l⊧Cal Date	: I=Cal RF:	- C-Cal RF:	% Difference	Accept Range
Gasoline Range C5 - C10	10-25-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	10-25-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%

Blank Conc. (mg/L=mg/Kg).		Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1

Duplicate Conc. (mg/Kg)	⊹r Sample⊷	Duplicate 🗸	% Difference	r Accept: Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	253	101%	75 - 125%
Diesel Range C10 - C28	ND	250	253	101%	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 56273, 56276, 56281-56283

Analyst



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	DJ Simmons	Project #:	06114-0013
Sample ID:	Pit	Date Reported:	10-25-10
Laboratory Number:	56281	Date Sampled:	10-22-10
Chain of Custody:	10595	Date Received:	10-22-10
Sample Matrix:	Soil	Date Analyzed:	10-25-10
Preservative:	Cool	Date Extracted:	10-22-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

		Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Paneana	MD	0.0	

benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9

Total BTEX ND

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	103 %
	1,4-difluorobenzene	101 %
	Bromochlorobenzene	102 %

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:

Blanco Wash 26-2/Pit Closure

Analyst



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

ND

0.1

Client	N/A		Project #		N/A	
Sample ID	1025BBLK QA/Q0	0	Date Reported		10-25-10	
Laboratory Number	56276		Date Sampled		N/A	
Sample Matrix	Soil		Date Received		N/A	
Preservative	N/A		Date Analyzed		10-25-10	
Condition	N/A		Analysis		BTEX	
			Dilution		10	
Calibration and Detection Limits (ug/L)	zi-Cal RF.	© €Cal RE. Accept Rai	. #%Diff. nge:02=1/5%	Blank Conc	v. v. ∗Detect. Limit	
Benzene	4 8185E+005	4 8281E+005	0.2%	ND	0.1	<u> </u>
Toluene	5 4660E+005	5 4769E+005	0.2%	ND	0.1	
Ethylbenzene	5 0419E+005	5 0520E+005	0.2%	ND	0.1	
p,m-Xylene	1 2402E+006	1 2427E+006	0.2%	ND	0.1	

Duplicate Conc. (ug/Kg)	Sample Du	plicate w	::/%Diff.il	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

4 5229E+005

0.2%

Spike Conc. (ug/Kg):	Amole Amo	ount/Spiked - Spi	ked Sample : : : %	Recovery	- Accept Range
Benzene	ND	500	510	102%	39 - 150
Toluene	ND	500	511	102%	46 - 148
Ethylbenzene	ND	500	511	102%	32 - 160
p,m-Xylene	ND	1000	1,040	104%	46 - 148
o-Xylene	ND	500	515	103%	46 - 148

ND - Parameter not detected at the stated detection limit

Dilution Spike and spiked sample concentration represent a dilution proportional to sample dilution

4 5138E+005

References

o-Xylene

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 Detectors, SW-846, USEPA December 1996

Comments:

QA/QC for Samples 56273, 56276, 56281-56283

Analyst

Client.	DJ Sımmons	Project #.	06114-0013
Sample ID:	Pıt	Date Reported [.]	10-25-10
Laboratory Number.	56281	Date Sampled.	10-22-10
Chain of Custody No:	10595	Date Received	10-22-10
Sample Matrix	Soil	Date Extracted:	10-22-10
Preservative:	Cool	Date Analyzed.	10-22-10
Condition	Intact	Analysis Needed:	TPH-418.1

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

Total Petroleum Hydrocarbons

309

5.3

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:

Blanco Wash 26-2/Pit Closure

Analyst



EPA METHOD 418.1 TOTAL PETROLEUM **HYROCARBONS QUALITY ASSURANCE REPORT**

Client⁻ Sample ID: QA/QC QA/QC Project #. Date Reported: N/A 10-22-10

Laboratory Number

10-22-TPH.QA/QC 56267

Date Sampled

N/A

Sample Matrix:

Freon-113

Date Analyzed.

Preservative.

N/A

Date Extracted.

10-22-10 10-22-10

Condition

N/A

Analysis Needed:

TPH

Calibration*

10-05-10

Feal Date Cecal Date I cal RF: 10-22-10 1,640

°C≝Cal-RE-√° % Difference 1,640

0.0%

Accept Range +/- 10%

Blank Conc. (mg/Kg)

TPH

Concentration ND

Detection Limit

5.3

Duplicate Conc. (mg/kg) **TPH**

Sample Duplicate & Difference Accept Range 158

197 25.0% +/- 30%

Spike Conc. (mg/Kg) Sample Spike Added Spike Result % Recovery. Accept Range TPH

158

2,000

1,970

91.3%

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 56267, 56273 and 56281

Analyst



Chloride

Client ⁻	DJ Sımmons	Project #	06114-0013
Sample ID [.]	Pıt	Date Reported.	10-25-10
Lab ID#	56281	Date Sampled:	10-22-10
Sample Matrix.	Soil	Date Received:	10-22-10
Preservative:	Cool	Date Analyzed [.]	10-25-10
Condition:	Intact	Chain of Custody:	10595

Parameter

Concentration (mg/Kg)

Total Chloride

10

Reference:

U S.E.P.A , 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983 Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992

Comments:

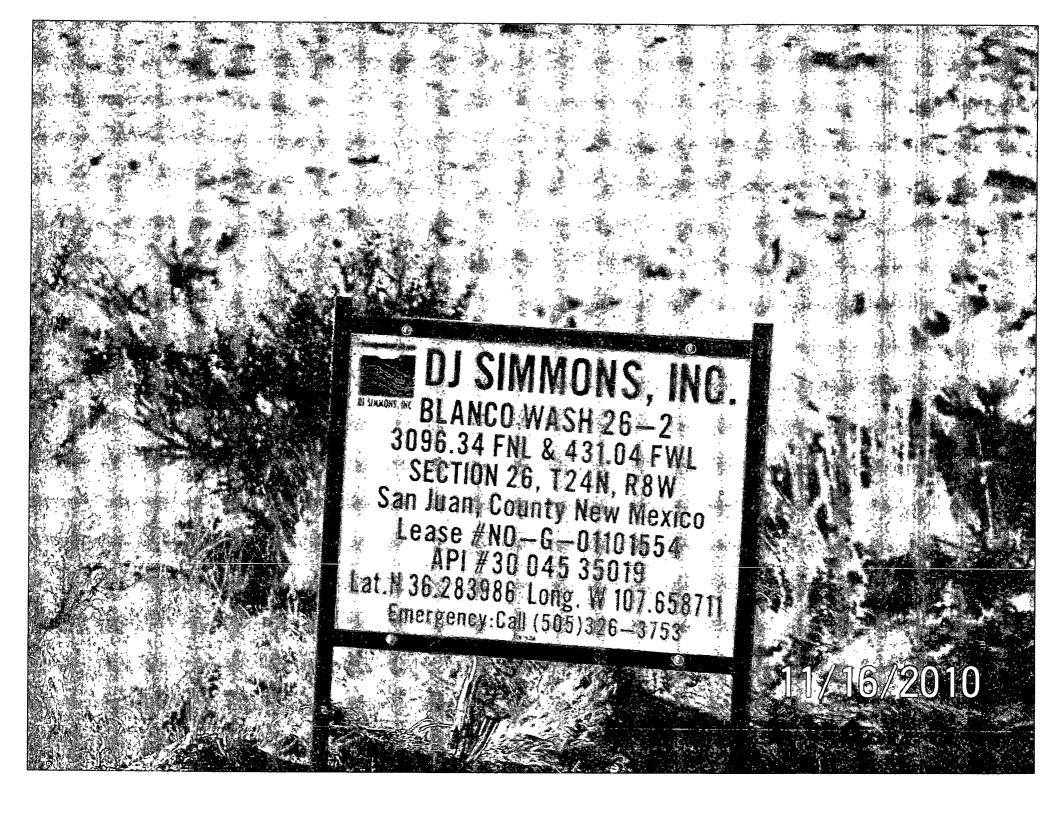
Blanco Wash 26-2/Pit Closure

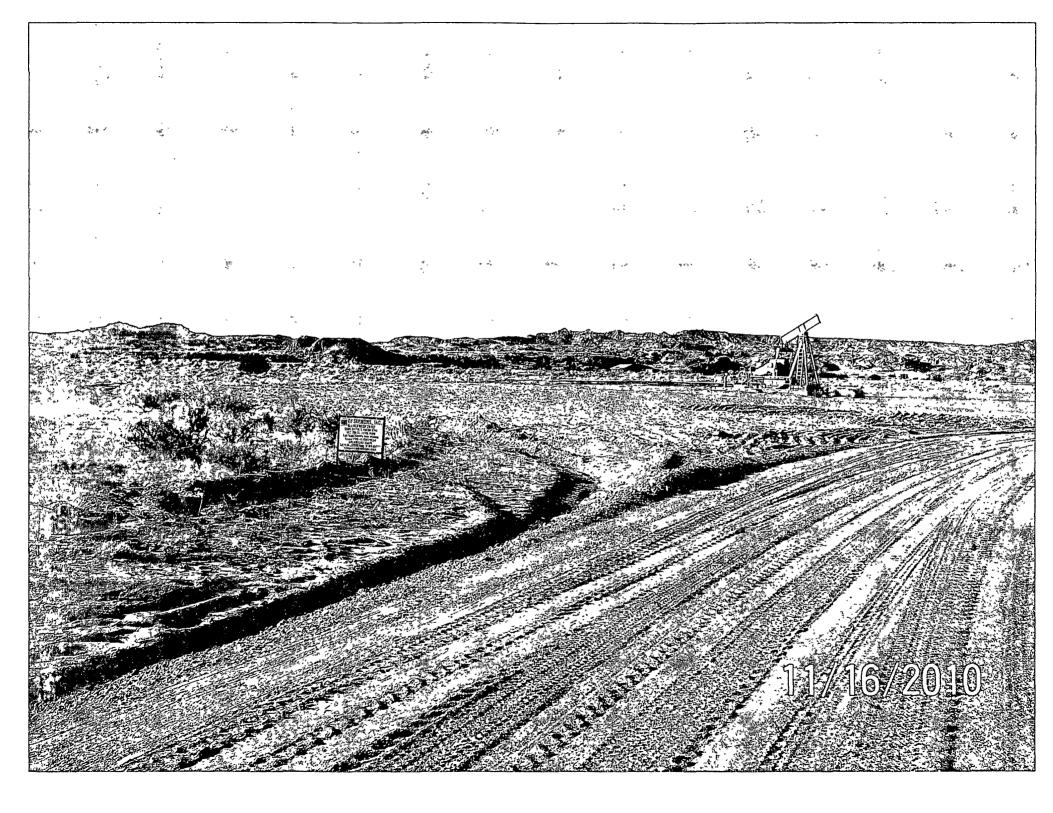
Analyst

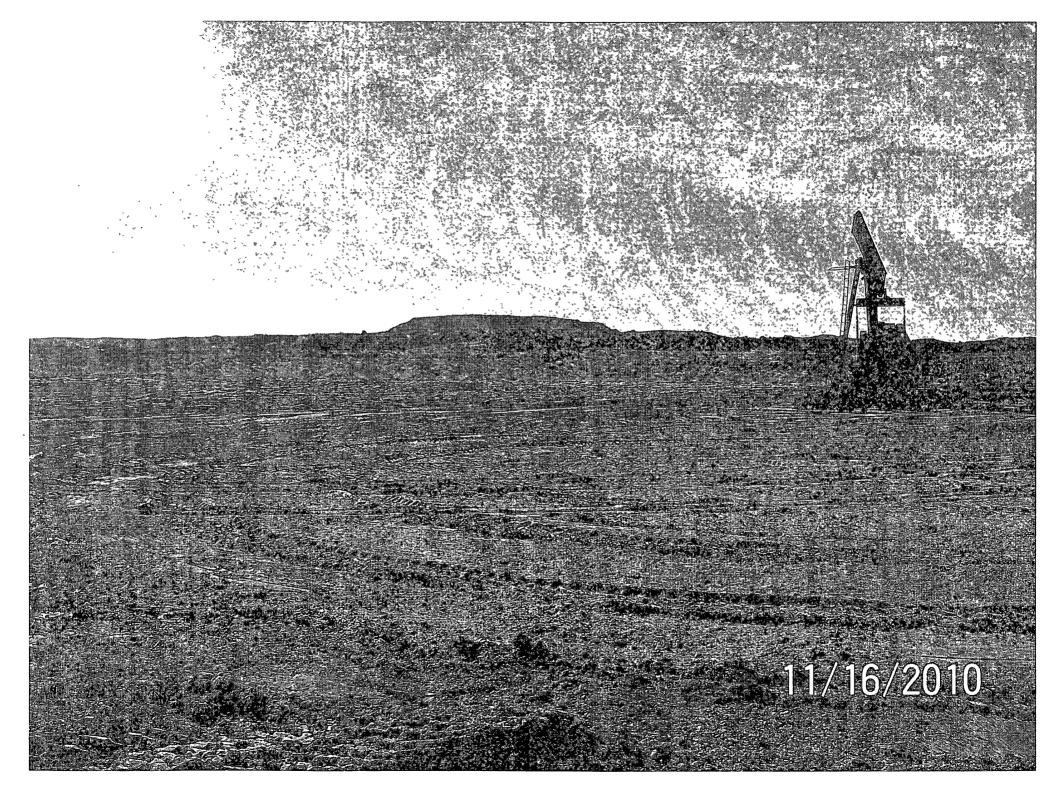
CHAIN OF CUSTODY RECORD

Client:		P	Project Name / Location:				ANALYSIS / PARAMETERS .															
DJ SIMI	nous		Blanco	Wa	sh 26	-2/F	? <u>```</u>	C	20)	<u>~</u> \	<u> </u>	· · · · · · · · ·	r	1		·		-				
Client Address:		S	iampler Name:	é (orcía	Ze.	ی	25	8015)	d 8021)	8260)	SI	_				<i>.</i>	\setminus				
Client Phone No.:		C	Project Name / Location: Rance Wash 26-2 Sampler Name: Client No.: OG 11 4 - 2013 Die Lab No. Matrix Conta				(Nethod	//ethod (Method	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	:	118.1)	RIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	S	Sample Matrix	No./Volume of Containers	Prese	ervativ	TPH (N	ВТЕХ	NOC (I	RCRA	Cation	교	TCLP	PAH.	TPH (418.1)	CHLORIDE			Sampl	Sampl
Pit	10-22-10		56281	Soil Solid	Sludge Aqueous	402			X	×							×	x			火	×
	-			Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous												,,					
-				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
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				Date /0-22-/0	Time	R	Received by: (Signature) Were 788							to	Date Tir		ime 00					
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Relinquished by: (Sig	nature)						R	eceiv	ed by:	(Signa	ature)											

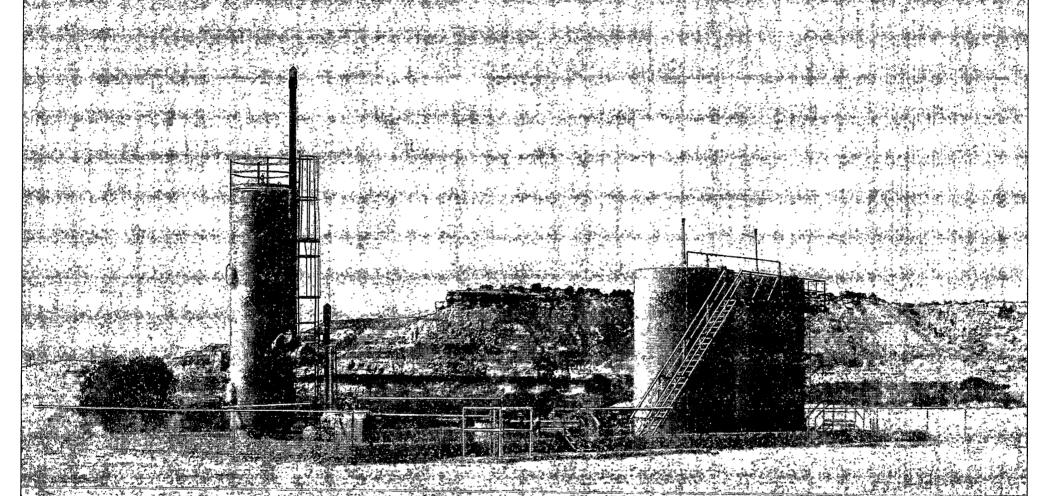
5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com











08/23/2010

RECEIVED

NOV 19 2010 |

FORM APPROVED Budget Bureau No 1004-0135

UNITED STATES DEPARTMENT OF THE INTERIOR Sureau of Land Management

Expires March 31, 1993

BUREAU OF LAND I	NO-G—110-1554							
SUNDRY NOTICES AND R	6 If Indian, Allottee or Tribe Name							
Do not use this form for proposals to drill or to d	Navajo Allottee #011389							
Use "APPLICATION FOR PERM	IIT" for such proposals	Navajo Anottee #011565						
		7 If Unit or CA, Agreement Designation						
SUBMIT IN TR	<i>IPLICATE</i>	None						
1 Type of Well		<u> </u>						
🕅 Oıl Gas 🗌 Other		8 Well Name and No						
2 Name of Operator		Blanco Wash 26-2						
D.J. Simmons Inc.		9. API Well No.						
3 Address and Telephone No	_	3004535019						
1009 Ridgeway Place. Suite 200, Farmin		10 Field and Pool, or Exploratory Area						
4 Location of Well (Footage, Sec, T, R, M, or Survey	•	Lybrook Gallup						
Surface: 3096.34' FNL x 431' FWL, Section	n 26, 128N, K4W	11 County or Parish, State San Juan, New Mexico						
		San Juan, New Mexico						
12 CHECK APPROPRIATE BOX(s) TO I	NDICATE NATURE OF NOTICE, RE	PORT, OR OTHER DATA						
TYPE OF SUBMISSION	TYPE OI	FACTION						
	\Box Abandonment	☐ Change of Plans						
Notice of Intent	\square Recompletion	☐ New Construction						
	☐ Plugging Back	\square Non-Routine Fracturing						
${f X}$ Subsequent Report	Casing Repair	☐ Water Shut-Off						
	\Box Altering Casing	☐ Conversion to Injection						
Final Abandonment Notice	MOther Closed Reserve Pit	☐ Dispose Water						
		(Note Report results of multiple completion on Well Completion or Recompletion Report and Log form)						
on October 5, 2010 the reserve pit faccordance with the State of New Merchants. The reserve possible regulatory limits. The reserve perment to the regulatory limits.	for the Blanco Wash 26-2 was closed Mexico Pit Rule by Envirotech. All pit has been closed and the reseed	d. The pit area was sampled in composite samples were under						
14 I hereby certify that the foregoing is true and correct	t							
Signed All Lash	ialist Date 11/19/2010							
Steve Sacks								
(This space for Federal or State office use)								
Approved by	Date							
Conditions of approval, if any								
·								

See Instruction on Reverse Side

Title 18 U S C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction