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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☑ No ☐

WFS CLOSURE Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☑

Operator: XTO ENERGY, INC. Telephone: e-mail address:

Address: 2700 FARMINGTON AVENUE FARMINGTON, NM 87401

Facility or well name: HANSON #003 API #: 30-045-21428 U/L or Qtr/Qtr D SEC 5 T 25N R 10W

County: SAN JUAN Latitude Longitude NAD: 1927 ☑ 1983 ☐

Surface Owner: Federal ☑ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☑ Disposal ☐

Workover ☐ Emergency ☐

Lined ☐ Unlined ☑

Liner Type: Synthetic ☒ Thickness mil Clay ☒

Pit Volume 77 bbl

Below-grade tank

Volume: bbl Type of fluid:

Construction Material:

Double-walled, with leak detection? Yes ☒ If not, explain why not.

FEB 2006 RECEIVED OIL CONS. DIV. DIST. 3

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 0
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) 0
Distance to surface water: (Horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points) 0
	Ranking Score (TOTAL POINTS):	0

If this is a pit closure: (1)Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☑ offsite ☐ If offsite, name of facility _____. (3)Attach a general description of remedial action taken including remediation start date and end date. (4)Groundwater encountered: No ☑ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5)Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: **Meter:** 33151

Bedrock

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☑

Date: 10/3/05

Printed Name/Title Mark Harvey for Williams Field Services Signature MH FOR WFS

Your certification and NMOCD approval of this application/closure does not relieve the operator of liablility should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Signature Denny Foust Date: FEB 02 2006

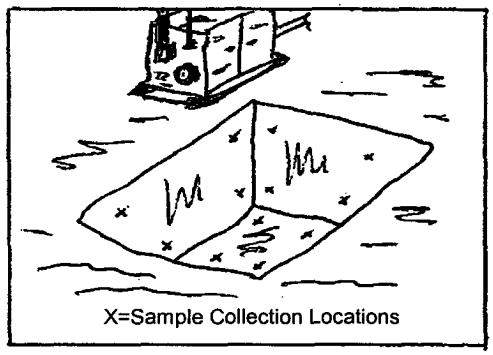
ADDENDUM TO OCD FORM C-144

Operator: XTO ENERGY, INC. **API** 30-045-21428

Well Name: HANSON #003 **Meter:** 33151

Facility Diagram:

Sampling Diagram:



Pit Dimensions

Length 12 Ft.

Width 12 Ft.

Depth 3 Ft.

Location of Pit Center

Latitude 36.43509

Longitude -107.92514

(NAD 1927)

Pit ID

331511

Pit Type

Unknown

Date Closure Started: 8/26/05 **Date Closure Completed:** 8/26/05

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☑

Cubic Yards Excavated: 64

Vertical Extent of Equipment Reached ? ☑

Description Of Closure Action:

Contaminated soil was removed and treated then returned to the excavation following sampling of the walls and floor.

BEDROCK limited vertical excavation and/or prevented sampling. This condition limits deleterious environmental effects.

Vertical extent of excavation limited by equipment

Pit Closure Sampling:

Sample ID	Sample Date	Head Space	BTEX Total (mg/kg)	Benzene (mg/kg)	TPH DRO (mg/kg)	Purpose	Location	Depth	
110326AUG05	8/26/05	0			0	EX Confirm	Walls	10	
111026AUG05	8/26/05		142.4	2.5	2700	EX Confirm	Flr	12	See Risk Analysis
134911MAR04	3/11/04		285	27	10000	ASSESS	Flr	3	

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www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Phone: 913.599.5665
Fax: 913.599.1759

Lab Project Number: 6099307
Client Project ID: N. Mex Pit Program Summer 2005

Lab Sample No: 608514618 Project Sample Number: 6099307-020 Date Collected: 08/26/05 11:03
Client Sample ID: 110326AUG05 Matrix: Soil Date Received: 09/02/05 08:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles									
Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	10.	1.0	09/07/05 09:50	CPR			
Jet Fuel	ND	mg/kg	10.	1.0	09/07/05 09:50	CPR	94114-58-6		
Kerosene	ND	mg/kg	10.	1.0	09/07/05 09:50	CPR			
Diesel Fuel	ND	mg/kg	10.	1.0	09/07/05 09:50	CPR	68553-00-4		
Fuel Oil	ND	mg/kg	10.	1.0	09/07/05 09:50	CPR	68553-00-4		
Motor Oil	ND	mg/kg	10.	1.0	09/07/05 09:50	CPR			
n-Tetracosane (S)	101	%		1.0	09/07/05 09:50	CPR	646-31-1		
p-Terphenyl (S)	91	%		1.0	09/07/05 09:50	CPR	92-94-4		
Date Extracted	09/06/05				09/06/05				
Organics Prep									
Percent Moisture	Method: SM 2540G								
Percent Moisture	4.9	%		1.0	09/06/05	JDM			

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Phone: 913.599.5665
Fax: 913.599.1759

Lab Project Number: 6099307
Client Project ID: N. Mex Pit Program Summer 2005

Lab Sample No: 608514634 Project Sample Number: 6099307-021 Date Collected: 08/26/05 11:10
Client Sample ID: 111026AUG05 Matrix: Soil Date Received: 09/02/05 08:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles									
Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	12.	1.1	09/07/05 00:30	CPR			
Jet Fuel	ND	mg/kg	12.	1.1	09/07/05 00:30	CPR	94114-58-6		
Kerosene	ND	mg/kg	12.	1.1	09/07/05 00:30	CPR			
Diesel Fuel	ND	mg/kg	12.	1.1	09/07/05 00:30	CPR	68553-00-4		
Fuel Oil	ND	mg/kg	12.	1.1	09/07/05 00:30	CPR	68553-00-4		
Motor Oil	ND	mg/kg	12.	1.1	09/07/05 00:30	CPR			
Total Petroleum Hydrocarbons	2700	mg/kg	12.	1.1	09/07/05 00:30	CPR		6	
n-Tetracosane (S)	292	%		1.0	09/07/05 00:30	CPR	646-31-1	7	
p-Terphenyl (S)	96	%		1.0	09/07/05 00:30	CPR	92-94-4		
Date Extracted	09/06/05				09/06/05				
Organics Prep									
Percent Moisture	Method: SM 2540G								
Percent Moisture	14.4	%		1.0	09/06/05	JDM			
GC Volatiles									
Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	2500	ug/kg	1200	23.1	09/07/05 10:42	SHF	71-43-2		
Ethylbenzene	8900	ug/kg	1200	23.1	09/07/05 10:42	SHF	100-41-4		
Toluene	19000	ug/kg	1200	23.1	09/07/05 10:42	SHF	108-88-3		
Xylene (Total)	130000	ug/kg	3000	23.1	09/07/05 10:42	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	109	%		1.0	09/07/05 10:42	SHF	98-08-8		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6080365
Client Project ID: N.M. Pit Program/Spring 2004

Lab Sample No: 606913879 Project Sample Number: 6080365-011 Date Collected: 03/11/04 13:49
Client Sample ID: 134911MAR04 Matrix: Soil Date Received: 03/16/04 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles									
Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	62.	6.2	03/20/04 06:24	RMN1			
Jet Fuel	ND	mg/kg	62.	6.2	03/20/04 06:24	RMN1			
Kerosene	ND	mg/kg	62.	6.2	03/20/04 06:24	RMN1			
Diesel Fuel	10000	mg/kg	62.	6.2	03/20/04 06:24	RMN1	68334-30-5	1	
Fuel Oil	ND	mg/kg	62.	6.2	03/20/04 06:24	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	62.	6.2	03/20/04 06:24	RMN1			
n-Tetracosane (S)	616	%		1.0	03/20/04 06:24	RMN1	646-31-1	14	
p-Terphenyl (S)	897	%		1.0	03/20/04 06:24	RMN1	92-94-4	15	
Date Extracted	03/18/04				03/18/04				
Organics Prep									
Percent Moisture	Method: SM 2540G								
Percent Moisture	21.6	%		1.0	03/18/04	DPB			
GC Volatiles									
Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	27000	ug/kg	6300	126	03/18/04 23:02	ARF	71-43-2		
Ethylbenzene	15000	ug/kg	6300	126	03/18/04 23:02	ARF	100-41-4		
Toluene	83000	ug/kg	6300	126	03/18/04 23:02	ARF	108-88-3		
Xylene (Total)	160000	ug/kg	16000	126	03/18/04 23:02	ARF	1330-20-7		
a,a,a-Trifluorotoluene (S)	240	%		1.0	03/18/04 23:02	ARF	98-08-8	3,4	

REPORT OF LABORATORY ANALYSIS

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Services
188 CR 4900
Bloomfield, NM 8413

Pit Closure and Retirement Addendum- Risk Assessment

This site is located in the NMOCD / USBLM defined "Non Vulnerable Area". These agencies have predetermined that historical use of unlined pits in this area have limited potential to adversely affect ground water. This is primarily due to the depth to ground water, lack of vertical migration of contaminants, and distant proximity to river drainages.

The sample analyzed for confirmation at this site exhibited elevated levels of total petroleum hydrocarbons (TPH) and / or BTEX. Toxicity information indicates that the measured levels pose little risk to human health and the environment. This conclusion is based in part on the information below:

Toxicity Information

Toxicity values for TPH have not been established due to the variability of the chemical makeup of TPH. Normally, the toxicity is based on the toxicity of particular constituents of concern that may be present and which are evaluated based on health-based standards. The most common constituents examined include benzene, ethylbenzene, toluene, and xylene.

In the absence of constituents of concern or when the concentrations of the constituents of concern are low, the acceptable level of TPH is established by considering the following:

- No liquid product should remain in the soil
- The TPH should not harm vegetation
- The TPH concentrations should not create an odor nuisance
- Hydrocarbon vapors which may emanate from the impacted soil should not generate harmful or explosive vapors
- Site monitoring should indicate that TPH levels are stable or declining

Environmental and Site Conditions

Based on an evaluation of site topography and available well data, this site is believed to have ground water greater than 100' below ground surface. The absence of continuous transport mechanisms limits continued migration of contaminants in soil. Notwithstanding, **bedrock** was discovered at the pit (i.e. excavation) bottom. This condition retards vertical migration of contaminants and serves to significantly limit potential groundwater impact.

While residual TPH and/or BTEX exists at this site, closure of this site is warranted for the following reasons:

1. The majority of soils that exhibited high levels of TPH and BTEX have been treated to enhance degradation in-situ.
2. Residual TPH concentrations are below levels considered problematic based on the criteria above.
3. Discharge at the site has been eliminated to prevent any future impacts to soils.
4. Depth to groundwater is estimated at greater than 100'.
5. Vertical migration of contamination is limited due to **bedrock**.
6. TPH / BTEX concentrations will not increase and will degrade over time from natural and enhanced processes occurring in-situ.
7. Further excavation at the site is not practicable due to bedrock.

Since there are no nearby receptors or domestic water sources, this site poses little risk to human health and the environment. Closure is justified based on the relatively low total petroleum hydrocarbon (TPH) concentration and the fact that all closure criteria cannot be practically attained. Additional information may be found in the Technical Background Document titled: *Risk Based Closure of Unlined Surface Impoundment Sites, San Juan Basin, New Mexico.*