

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

Form C-144  
June 1, 2004

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

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: CDX RIO, LLC Telephone: \_\_\_\_\_ e-mail address: \_\_\_\_\_  
Address: 5485 BELTLINE ROAD DALLAS, TX 752547656  
Facility or well name: REAMES A #001 API #: 30-039-08081 U/L or Qtr/Qtr B SEC 24 T 26N R 6W  
County: RIO ARRIBA Latitude 36.47744 Longitude -107.4164 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 80 bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_

Construction Material: \_\_\_\_\_

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

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

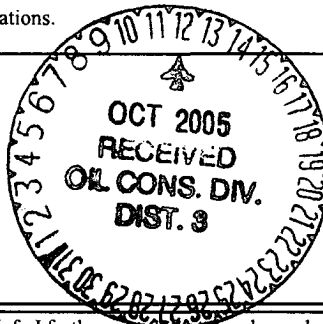
**Ranking Score (TOTAL POINTS):**

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 you 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:

*Vertical extent Bedrock*



Meter: 75478

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: 9/18/05

Printed Name/Title Mark Harvey for Williams Field Services

Signature Mark Harvey

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability 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 Faut

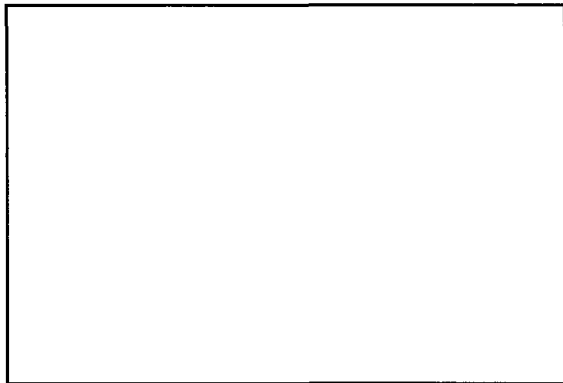
OCT 12 2005  
Date: \_\_\_\_\_

## ADDENDUM TO OCD FORM C-144

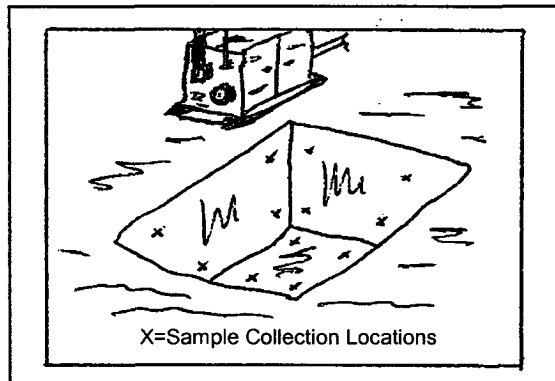
Operator: CDX RIO, LLC  
Well Name: REAMES A #001

API 30-039-08081  
Meter: 75478

### Facility Diagram:



### Sampling Diagram:



### Pit Dimensions

Length 15 Ft.  
Width 15 Ft.  
Depth 2 Ft.

### Location of Pit Center

Latitude 36.47755  
Longitude -107.41592  
(NAD 1927)

### Pit ID

754781

### Pit Type

Glycol Dehydrator

Date Closure Started: 8/20/04

Date Closure Completed: 8/20/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 25

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.

### Pit Closure Sampling:

Sample ID	Sample Date	Head Space	BTEX Total (mg/kg)	Benzene (mg/kg)	TPH DRO (mg/kg)	Purpose	Location	Depth	
081520AUG04	8/20/04		16.03	0	2000	EX Confirm	Walls	3	
082020AUG04	8/20/04		1561	19	3900	EX Confirm	Flr	3	See Risk Analysis
175905JUN04	6/5/04		549	11	1800	ASSESS	Flr	1.5	

Lab Project Number: 6083363  
Client Project ID: N.M. Pits

Lab Sample No: 607186630  
Client Sample ID: 175905JUN04

Project Sample Number: 6083363-024  
Matrix: Soil

Date Collected: 06/05/04 17:59  
Date Received: 06/09/04 09:00

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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#### GC Semivolatiles

Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	24.	2.4	06/14/04 12:54	DCKI			
Jet Fuel	ND	mg/kg	24.	2.4	06/14/04 12:54	DCKI			
Kerosene	ND	mg/kg	24.	2.4	06/14/04 12:54	DCKI			
Diesel Fuel	ND	mg/kg	24.	2.4	06/14/04 12:54	DCKI	68334-30-5		
Fuel Oil	ND	mg/kg	24.	2.4	06/14/04 12:54	DCKI	68334-30-5		
Motor Oil	ND	mg/kg	24.	2.4	06/14/04 12:54	DCKI			
Total Petroleum Hydrocarbons	1800	mg/kg	24.	2.4	06/14/04 12:54	DCKI		1	
n-Tetracosane (S)	108	%		1.0	06/14/04 12:54	DCKI	646-31-1		
p-Terphenyl (S)	96	%		1.0	06/14/04 12:54	DCKI	92-94-4		
Date Extracted	06/10/04				06/10/04				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	16.1	%		1.0	06/10/04	DPB			

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	11000	ug/kg	1100	21.4	06/10/04 21:34		71-43-2		
Ethylbenzene	18000	ug/kg	1100	21.4	06/10/04 21:34		100-41-4		
Toluene	160000	ug/kg	1100	21.4	06/10/04 21:34		108-88-3		
Xylene (Total)	360000	ug/kg	2700	21.4	06/10/04 21:34		1330-20-7		
a,a,a-Trifluorotoluene (S)	126	%		1.0	06/10/04 21:34		98-08-8	5	

Comments : Ice melted upon arrival!

## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6086140  
Client Project ID: NM Pits

Lab Sample No: 607419991      Project Sample Number: 6086140-015      Date Collected: 08/20/04 08:15  
Client Sample ID: 081520AUG04      Matrix: Soil      Date Received: 08/26/04 08:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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#### GC Semivolatiles

Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	11.	1.1	08/31/04 00:19	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	08/31/04 00:19	RMN1			
Kerosene	ND	mg/kg	11.	1.1	08/31/04 00:19	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	08/31/04 00:19	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	08/31/04 00:19	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	08/31/04 00:19	RMN1			
Total Petroleum Hydrocarbons	2000	mg/kg	11.	1.1	08/31/04 00:19	RMN1		6	
n-Tetracosane (S)	122	%		1.0	08/31/04 00:19	RMN1	646-31-1		
p-Terphenyl (S)	161	%		1.0	08/31/04 00:19	RMN1	92-94-4	3	
Date Extracted	08/30/04				08/30/04				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	11.4	%		1.0	08/27/04	DPB			

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	410	8.3	08/31/04 09:12		71-43-2		
Ethylbenzene	830	ug/kg	410	8.3	08/31/04 09:12		100-41-4		
Toluene	2200	ug/kg	410	8.3	08/31/04 09:12		108-88-3		
Xylene (Total)	13000	ug/kg	1100	8.3	08/31/04 09:12		1330-20-7		
a,a,a-Trifluorotoluene (S)	84	%		1.0	08/31/04 09:12		98-08-8		

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Lab Project Number: 6086140  
Client Project ID: NM Pits

Lab Sample No: 607420007      Project Sample Number: 6086140-016      Date Collected: 08/20/04 08:20  
Client Sample ID: 082020AUG04      Matrix: Soil      Date Received: 08/26/04 08:55

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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#### GC Semivolatiles

Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	11.		1.1 08/31/04 00:47 RMN1				
Jet Fuel	ND	mg/kg	11.		1.1 08/31/04 00:47 RMN1				
Kerosene	ND	mg/kg	11.		1.1 08/31/04 00:47 RMN1				
Diesel Fuel	ND	mg/kg	11.		1.1 08/31/04 00:47 RMN1		68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 08/31/04 00:47 RMN1		68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 08/31/04 00:47 RMN1				
Total Petroleum Hydrocarbons	3900	mg/kg	11.		1.1 08/31/04 00:47 RMN1			6	
n-Tetracosane (S)	114	%			1.0 08/31/04 00:47 RMN1		646-31-1		
p-Terphenyl (S)	153	%			1.0 08/31/04 00:47 RMN1		92-94-4	3	
Date Extracted	08/30/04				08/30/04				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	11.7	%			1.0 08/27/04		DPB		

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	19000	ug/kg	9400	189	08/31/04 09:39		71-43-2		
Ethylbenzene	72000	ug/kg	9400	189	08/31/04 09:39		100-41-4		
Toluene	470000	ug/kg	9400	189	08/31/04 09:39		108-88-3		
Xylene (Total)	1000000	ug/kg	25000	189	08/31/04 09:39		1330-20-7		
a,a,a-Trifluorotoluene (S)	88	%			1.0 08/31/04 09:39		98-08-8		

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