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 ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: CDX Rockies, L.L.C. Telephone: (505) 326-3003 e-mail address: dave.smith@cdxgas.com
Address: 4801 North Butler Ave, Suite 2000, Farmington, NM, 87401
Facility or well name: Big Wave Fed. 29-29-8 #201 API #: 300345-31181 U/L or Qtr/Qtr NW/NW Sec 29 T 29 R 8
County: San Juan Latitude 36.702603 Longitude -107.705375 NAD: 1927 ☒ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume 20,000 bbl	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) **X**
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) **X**
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **X**
	Ranking Score (Total Points)	**0 points**

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:

Pit remediation as per APD and Federal guidelines. Upon lab testing (11/15/04), synthetic liner was cut-off at the mud level and hauled away for disposal. Pit was then filled and and contoured. Work on location commenced 11/02/04. The contouring and work on location drainage was concluded 12/17/04.

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: December 28, 2004
Printed Name/Title David C. Smith / Production Engineer Signature

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. Signature Denny Foust Date: FEB - 9 2005

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

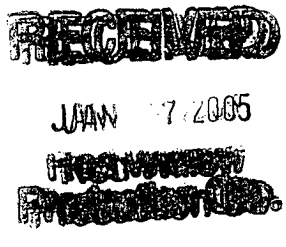
Client:	CDX Rockies	Project #:	03040-007
Sample ID:	No. 201	Date Reported:	10-20-04
Laboratory Number:	30984	Date Sampled:	10-15-04
Chain of Custody No:	13191	Date Received:	10-15-04
Sample Matrix:	Drill Mudd	Date Extracted:	10-18-04
Preservative:	Cool	Date Analyzed:	10-20-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**13.6**	**0.2**
Diesel Range (C10 - C28)	**36.3**	**0.1**
Total Petroleum Hydrocarbons	**49.9**	**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: **San Juan Co., NM BW Federal 29-29-8.**



Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CDX Rockies	Project #:	03040-007
Sample ID:	No. 201	Date Reported:	10-20-04
Laboratory Number:	30984	Date Sampled:	10-15-04
Chain of Custody:	13191	Date Received:	10-15-04
Sample Matrix:	Drill Mudd	Date Analyzed:	10-20-04
Preservative:	Cool	Date Extracted:	10-18-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**50.2**	**1.8**
Toluene	**20.9**	**1.7**
Ethylbenzene	**17.9**	**1.5**
p,m-Xylene	**ND**	**2.2**
o-Xylene	**ND**	**1.0**
Total BTEX	**89.0**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**95 %**
	1,4-difluorobenzene	**95 %**
	Bromochlorobenzene	**95 %**

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: **San Juan Co., NM BW Federal 29-29-8.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EC, SAR, ESP, Cl Analysis

Client:	CDX Rockies	Project #:	03040-007
Sample ID:	No. 201	Date Reported:	10-19-04
Laboratory Number:	30984	Date Sampled:	10-15-04
Chain of Custody:	13191	Date Received:	10-15-04
Sample Matrix:	Drill Mudd	Date Extracted:	10-18-04
Preservative:	Cool	Date Analyzed:	10-19-04
Condition:	Cool & Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	**4.610**	mmhos/cm
Calcium	**27.6**	mg/Kg
Magnesium	**<0.01**	mg/Kg
Sodium	**505**	mg/Kg
Sodium Absorption Ratio (SAR)	**26.4**	ratio
Exchangeable Sodium Percent (ESP)	**27.2**	percent
Chloride	**875**	mg/Kg

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: **San Juan Co., NM BW Federal 29-29-8.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CDX Rockies	Project #:	03040-007
Sample ID:	No. 201	Date Reported:	10-19-04
Laboratory Number:	30984	Date Sampled:	10-15-04
Chain of Custody:	13191	Date Received:	10-15-04
Sample Matrix:	Drill Mudd	Date Analyzed:	10-19-04
Preservative:	Cool	Date Digested:	10-18-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	**0.005**	**0.001**	**5.0**
Barium	**0.202**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**0.001**	**0.001**	**5.0**
Lead	**0.001**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.003**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **San Juan Co., NM BW Federal 29-29-8.**

Analyst

Review

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