

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

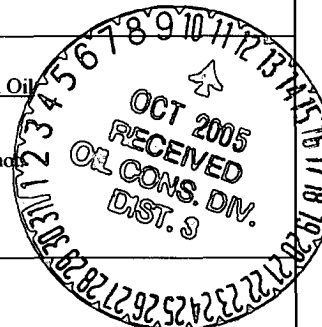
For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe
office

Pit or Below-Grade Tank Registration or Closure

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

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

Operator: <u>CDX Gas, LLC</u>		Telephone: <u>(505) 324-5403</u>	e-mail address: <u>robert.stuard@cdxgas.com</u>
Address: <u>2010 Afton Place, Farmington, New Mexico, 87401</u>			
Facility or well name: <u>Reames A No. 1E</u>	API #: <u>3003922327</u>	U/L or Qtr/Qtr <u>J</u> Sec <u>24</u> T. <u>26N</u> R <u>6W</u>	
County: <u>Rio Arriba</u>	Latitude <u>36.46959</u>	Longitude <u>-107.41639</u>	NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐			
Pit Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness <u> </u> mil Clay ☐ Pit Volume <u>130</u> bbl		Below-grade tank Volume: <u> </u> bbl Type of fluid: <u>Produced Water and Incidental Oil</u> Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why not <u> </u>	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)	
	50 feet or more, but less than 100 feet	(10 points)	
	100 feet or more	(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	(20 points)	
	No	(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	(20 points)	
	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	(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:
<u>THE PIT WAS EXCAVATED AND THE CONTAMINATED SOIL IS BEING REMEDIATED ON LOCATION.</u>

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: SEP 23, 2005
Printed Name/Title Mr. Robert Stuard, Senior Facilities Engineer Signature Robert Stuard

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: Jerry Zuy Date: OCT 11 2005
Printed Name/Title SENIOR OIL & GAS INSPECTOR, DIST. 3 Signature

CLIENT: <u>CDX</u> <u>Gus</u>	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: _____ C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>Reames A</u> WELL #: <u>1E-</u> PIT: _____ QUAD/UNIT: <u>J</u> SEC: <u>24</u> TWP: <u>26N</u> RNG: <u>6W</u> PM: _____ CNTY: <u>Ariz</u> ST: <u>NM</u> QTR/FDDTAGE: _____ CONTRACTOR: _____		DATE STARTED: <u>9/20/05</u> DATE FINISHED: <u>9/20/05</u> ENVIRONMENTAL SPECIALIST: <u>mpm</u>

EXCAVATION APPROX. <u>26'</u> FT. x <u>35'</u> FT. x <u>12'</u> FT. DEEP. CUBIC YARDAGE: _____
DISPOSAL FACILITY: <u>On-site</u> REMEDIATION METHOD: <u>Landfarm</u>
LAND USE: _____ LEASE: <u>NMSE 079312</u> FORMATION: <u>DK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>80'</u> FT. <u>185°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>0</u> NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER: <u>0</u> NMOCED RANKING SCORE: <u>0</u> NMOCED TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION:
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CHECK ONE:
☒ PIT ABANDONED
☐ STEEL TANK INSTALLED

Pit already excavated. Soil landfarmed on-site. Drill rig drilled to 50' depth. Encountered sandstone @ 15'.

Lat. 36.416957
Long. 107.411639

SCALE

 0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0925	Walls 4 Pt	1	5	20	1	0.132	916
0935	Bottom 5 Pt	1	5	20	1	0.022	153

PIT PERIMETER	OVM RESULTS	PIT PROFILE																																	
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 4 Pt Walls</td><td>11 ppm</td></tr> <tr><td>2 Bottom 5 Pt</td><td>2 ppm</td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 4 Pt Walls	11 ppm	2 Bottom 5 Pt	2 ppm	3		4		5		LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME																o = 4 Pt Walls x = 5 Pt Bottom
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TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

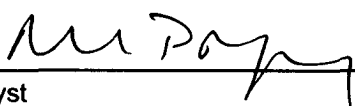
Client:	CDX Gas, LLC	Project #:	03040-009
Sample No.:	1	Date Reported:	9/21/2005
Sample ID:	Walls, 4 Pt Composite	Date Sampled:	9/20/2005
Sample Matrix:	Soil	Date Analyzed:	9/20/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	916	5.0

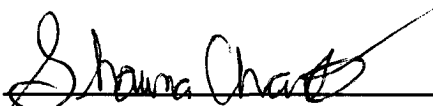
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Reames A No. 1E



Analyst



Review

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	CDX Gas, LLC	Project #:	03040-009
Sample No.:	2	Date Reported:	9/21/2005
Sample ID:	Bottom, 5 Pt Composite	Date Sampled:	9/20/2005
Sample Matrix:	Soil	Date Analyzed:	9/20/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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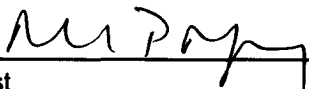
Total Petroleum Hydrocarbons	153	5.0
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ND = Parameter not detected at the stated detection limit.

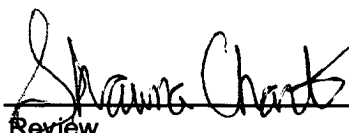
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Reames A No. 1E**

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

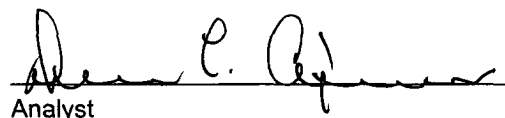
Client:	CDX	Project #:	03040-009
Sample ID:	5 Pt. Composite	Date Reported:	09-22-05
Laboratory Number:	34402	Date Sampled:	09-20-05
Chain of Custody No:	14827	Date Received:	09-20-05
Sample Matrix:	Soil	Date Extracted:	09-21-05
Preservative:	Cool	Date Analyzed:	09-22-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

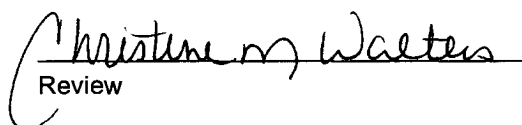
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.7	0.2
Diesel Range (C10 - C28)	25.4	0.1
Total Petroleum Hydrocarbons	27.1	0.2

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: **Reames A 1E Landfarm.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	CDX	Project #:	03040-009
Sample ID:	5 Pt. Composite	Date Reported:	09-22-05
Laboratory Number:	34402	Date Sampled:	09-20-05
Chain of Custody:	14827	Date Received:	09-20-05
Sample Matrix:	Soil	Date Analyzed:	09-22-05
Preservative:	Cool	Date Extracted:	09-21-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	11.3	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	295	2.2
o-Xylene	71.3	1.0
Total BTEX	378	

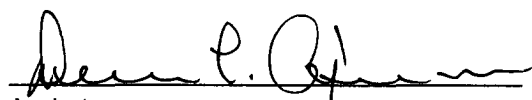
ND - Parameter not detected at the stated detection limit.

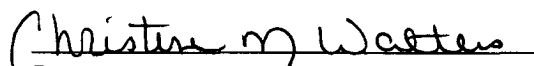
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Reames A 1E Landfarm.


Analyst


Review