

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

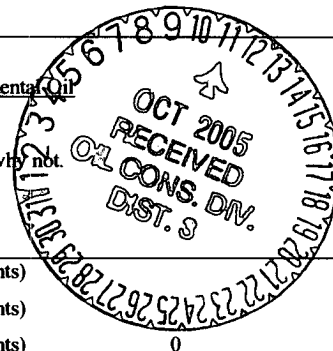
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

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>Romero Com No. 1</u>	API #: <u>3003922892</u>	U/L or Qtr/Qtr <u>P</u> Sec <u>25</u> T <u>26N</u> R <u>6W</u>	
County: <u>Rio Arriba</u>	Latitude <u>36.45347</u>	Longitude <u>-107.41217</u>	NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐			
Pit <u>2 PITS REMEDIATED</u> Type: Drilling ☐ Production ☐ Disposal ☒ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness <u> </u> mil Clay ☐ Pit Volume <u>150</u> bbl (EACH PIT)		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)	10
Ranking Score (Total Points)			10



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 Same Lease. (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>TWO PITS WERE REMEDIATED ON THIS LOCATION.</u>
<u>APPROX 6500 CUYDS OF SOIL WAS REMOVED FROM THE</u>
<u>LOCATION. ONLY 800-1000 CUYDS WAS CONTAMINATED</u>
<u>SOIL. THE CONTAMINATED SOIL WAS REMOVED TO A</u>
<u>NEARBY ABANDONED LOCATION FOR SOIL FARMING.</u>
<u>BLM GRANTED PERMISSION FOR USE OF 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

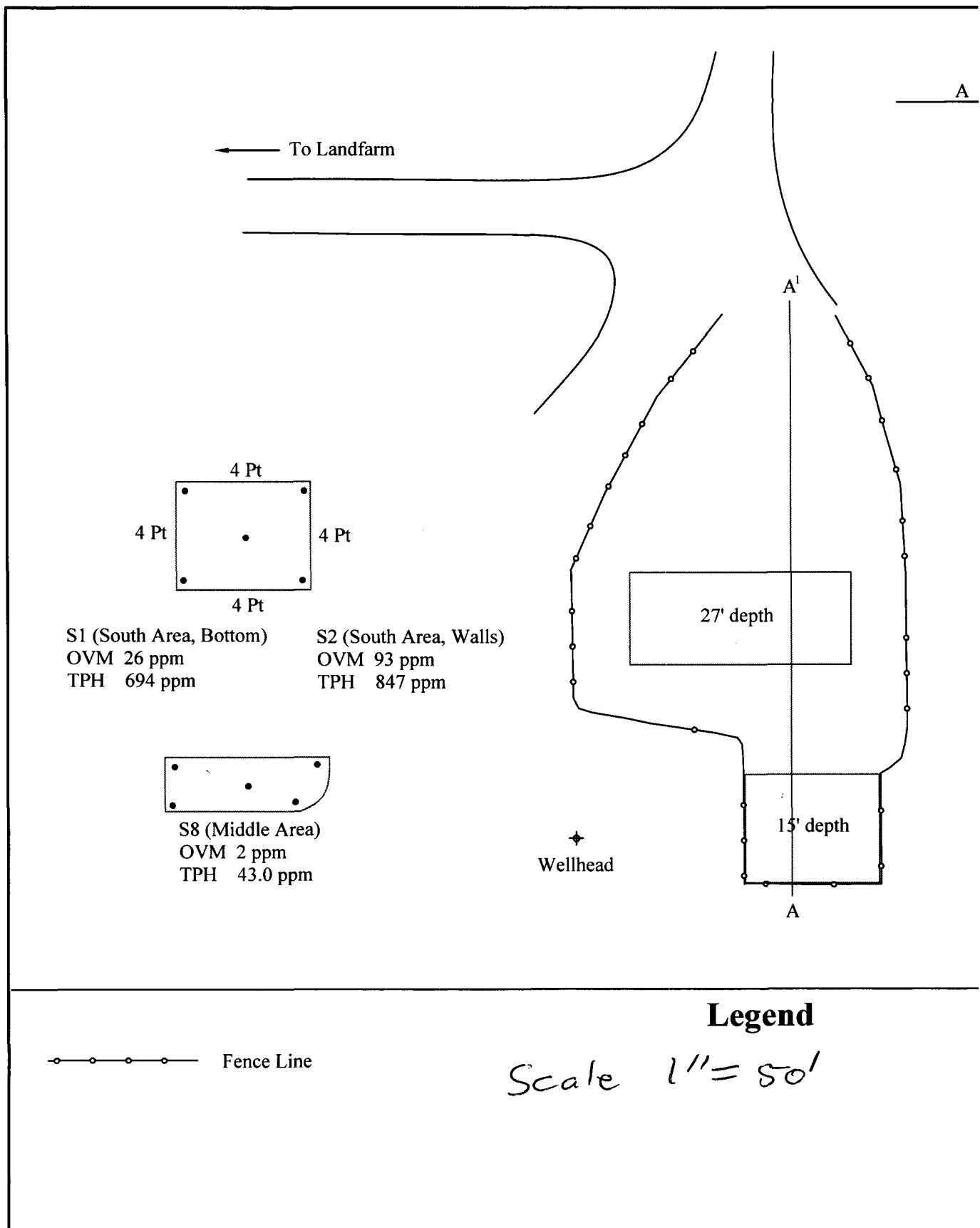
Printed Name/Title Mr. Robert Stuard, Senior Facilities Engineer

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:
Printed Name/Title RENEE OIL & GAS INSPECTOR DIST. IV Signature Denny Faut

Date: OCT 11 2005



CLIENT: <u>CDX</u> <u>Gas</u>	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: _____ C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>Romero Com</u> WELL #: <u>1</u> PIT: _____		DATE STARTED: <u>9/20/05</u>
QUAD/UNIT: <u>P SEC: 25 TWP 26 N</u> RNG: <u>6 W</u> PM: <u>NMNM</u> CNTY: <u>Ariz</u> ST: <u>NM</u>		DATE FINISHED: <u>9/20/05</u>
QTR/FOOTAGE: <u>SE/SE</u> CONTRACTOR: _____		ENVIRONMENTAL SPECIALIST: <u>MM</u>

EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP. CUBIC YARDAGE: _____
DISPOSAL FACILITY: <u>Same lease</u> REMEDIATION METHOD: <u>landfarm</u>
LAND USE: _____ LEASE: <u>NMSP 080658</u> FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY _____ FT. _____ FROM WELLHEAD.	
DEPTH TO GROUNDWATER: <u>0</u>	NEAREST WATER SOURCE: <u>0</u>	NEAREST SURFACE WATER: <u>10</u>
NMOCB RANKING SCORE: <u>10</u>	NMOCB TPH CLOSURE STD: <u>1000</u> PPM	
SOIL AND EXCAVATION DESCRIPTION: CHECK ONE : ☐ PIT ABANDONED ☐ STEEL TANK INSTALLED		

Excavation is divided into 2 separate areas. Small bridge links the #2. Minimal amount of visible contamination present. On Northern side of excavation appears shale was encountered at approx 30'. Rig drilled down-gradient, could not pass 25' depth, encountered shale. On 2nd boring could not pass 15' depth. Per conversation with Sunland Supervisor, he thinks only 800 yds³ of contaminated soil was removed.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
		<u>SEE 418.1</u>					

SCALE

 0 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 South Wall	93 ppm
2 South Bottom	26 ppm
3	
4 Middle	2 ppm
5	
North Bottom	21 ppm
North N. Wall	0 ppm
North E. Wall	16 ppm
North W. Wall	7 ppm
North S. Wall	81 ppm

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

See Figure No. 1

TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date 9/20/05

Analyst MPM

Location Romero Com No 1

Instrument Foxboro

Job No. 03040-009

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)
1	South Bottom 5 Pt.	5	20	1	.1	694
2.	South Wells 4 ft Comp	5	20	1	.122	847
3.	North West Wall	5	20	1	.0074	51.3
4	North East Wall	5	20	1	.0098	68.0
5	North North Wall	5	20	1	.0032	22.2
6.	North Bottom	5	20	1	.108	749 ppm

Infrared Spectrophotometer Calibration

New Freon _____

Date Standards Prepared _____

Standard Concentration (mg/L)	Absorbance
100	_____
200	<u>0.120</u>
500	_____
1000	_____

I-CAL RF: 1735

C-CAL RF: 1769

RSD: _____ %

% Difference: _____ %

QA/QC Acceptance Criteria: I-CAL RSD +/- 20%

C-Cal Difference +/- 10%

PS 1 of 2

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date 9/20/05

Analyst MPM

Location Romero Run No. 1

Instrument Foxboro

Job No. _____

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)
7.	South Well North.	5	20	1	.096	666 ppm
8	Middle Area	5	20	1	.0062	43.0

Infrared Spectrophotometer Calibration

New Freon _____

Date Standards Prepared _____

Standard Concentration (mg/L)	Absorbance
100	_____
200	<u>0.120</u>
500	_____
1000	_____

I-CAL RF: _____

C-CAL RF: _____

RSD: _____ %

% Difference: _____ %

QA/QC Acceptance Criteria: I-CAL RSD +/- 20%

C-Cal Difference +/- 10%

ps. 2 of 2

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:	34404	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

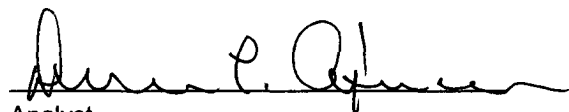
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	462	0.1
Total Petroleum Hydrocarbons	462	0.2

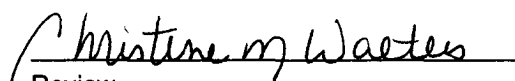
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Romero Com 1 East Landfarm.**

"FARMED"
Soil


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:	34404	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	4.6	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	ND	2.2
o-Xylene	6.7	1.0
Total BTEX	11.3	

ND - Parameter not detected at the stated detection limit.

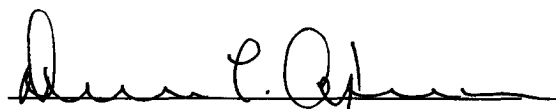
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

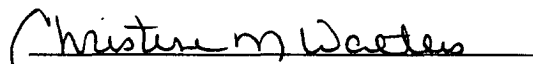
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Romero Com 1 East Landfarm.

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Soil


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:	34403	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

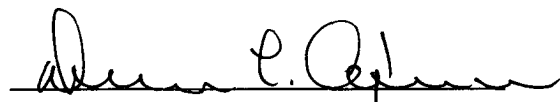
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	298	0.1
Total Petroleum Hydrocarbons	298	0.2

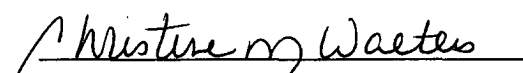
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References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Romero Com 1 West Landfarm.**

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SOIL


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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	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	45.1	2.2
o-Xylene	13.2	1.0
Total BTEX	58.3	

ND - Parameter not detected at the stated detection limit.

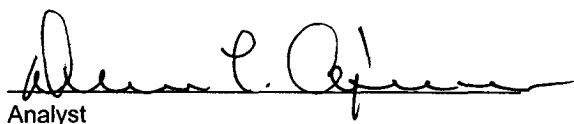
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

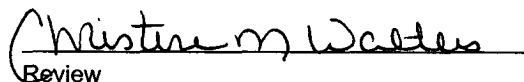
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