

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

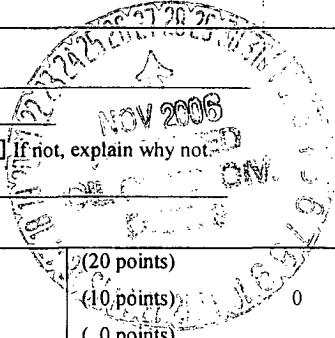
Form C-144
June 1, 2004

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: <u>Dugan Production Corp</u> Telephone: <u>(505)325-1821</u> e-mail address: _____		
Address: <u>P.O. Box 420, Farmington, New Mexico 87401</u>		
Facility or well name: <u>Pole's Paradise No. 2</u> API #: <u>30-045-25408</u> U/L or Qtr/Qtr <u>K</u> Sec <u>9</u> T <u>30N</u> R <u>14W</u>		
County: <u>San Juan</u> Latitude <u>36.82642</u> Longitude <u>108.31657</u> NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input checked="" type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume <u>unknown</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> 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 (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 EnviroTech Inc (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:
Abandoned (covered), historical, unlined pit, discovered during site work. Center located 54 feet South 76° West of wellhead.
Use Backhoe to remove hydrocarbon stained soils to bedrock surface at 4 feet below surface grade.
Collect 5-point composite soil sample from sidewalls and excavation center for laboratory testing.
Fill pit with clean soil and close in place as is.
See attached field sampling report and laboratory test reports.

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: October 2, 2006

Printed Name/Title Jeff Blagg, Agent Signature Jeff Blagg

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: DEPUTY OIL & GAS INSPECTOR, DIST. 4

Printed Name/Title _____ Signature Bob Bell Date: 11/27/06

CLIENT: <u>DUGAN</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ COCR NO: <u>1488</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>POLES PARADISE</u> WELL #: <u>2</u> TYPE: <u>ABD. HISTORICAL</u> QUAD/UNIT: <u>K</u> SEC: <u>9</u> TWP: <u>30N</u> RNG: <u>14W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1850 FSL x 1850 FWL</u> CONTRACTOR: <u>DPC-TAYLOR</u>	DATE STARTED: <u>9-19-06</u> DATE FINISHED: <u>9-20-06</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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EXCAVATION APPROX. 21 FT. x 27 FT. x 4 FT. DEEP. CUBIC YARDAGE: 60±

DISPOSAL FACILITY: EnviroTech Inc. REMEDIATION METHOD: EXCAVATE

LAND USE: RANGE - BLM LEASE: NM-16057 FORMATION: GREEN GAL/DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 54 FT. S 76 W FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

SOIL TYPE: SAND (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / (OTHER) BEDROCK SANDSTONE @ 4'

SOIL COLOR: TAN

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE (COHESIVE) HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: (DRY) / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: (YES) NO EXPLANATION - IN EXCAVATED SOILS - DARK BROWN

HC ODOR DETECTED: (YES) NO EXPLANATION - MINOR IN EXCAVATED SOILS

SAMPLE TYPE: GRAB (COMPOSITE) # OF PTS. 5

ADDITIONAL COMMENTS: ABANDON HISTORICAL PIT FOUND DURING SITE WORK. USE BACKHOPE TO REMOVE ALL IMPACTED SOILS.

SCALE

0 10 FT

PIT PERIMETER

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

PIT PROFILE

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
5-Point @ 4'	6.2

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5-Point	TPH	0850
	BTEX	
	CL-	

TRAVEL NOTES: CALLOUT: _____ ONSITE: 9/19/06 + 9/20/06

1488

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

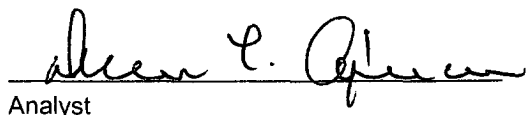
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Historical #1	Date Reported:	09-22-06
Laboratory Number:	38529	Date Sampled:	09-20-06
Chain of Custody No:	1488	Date Received:	09-20-06
Sample Matrix:	Soil	Date Extracted:	09-20-06
Preservative:	Cool	Date Analyzed:	09-21-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

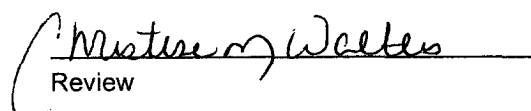
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	22.1	0.2
Diesel Range (C10 - C28)	875	0.1
Total Petroleum Hydrocarbons	897	0.2

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: **Poles Paradise #2 5 - Point @ 4'**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	09-21-06 QA/QC	Date Reported:	09-22-06
Laboratory Number:	38511	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-21-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	07-11-05	1.0068E+003	1.0078E+003	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	1.0061E+003	1.0081E+003	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

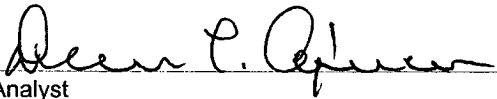
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	27.5	27.4	0.4%	0 - 30%
Diesel Range C10 - C28	45.2	44.9	0.7%	0 - 30%

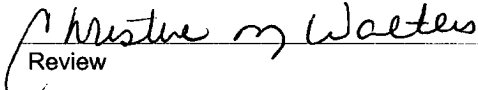
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	27.5	250	277	99.8%	75 - 125%
Diesel Range C10 - C28	45.2	250	295	99.9%	75 - 125%

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: QA/QC for Samples 38511 - 38519, 38529


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Historical #1	Date Reported:	09-22-06
Laboratory Number:	38529	Date Sampled:	09-20-06
Chain of Custody:	1488	Date Received:	09-20-06
Sample Matrix:	Soil	Date Analyzed:	09-21-06
Preservative:	Cool	Date Extracted:	09-20-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	6.5	1.5
p,m-Xylene	12.5	2.2
o-Xylene	ND	1.0
Total BTEX	19.0	

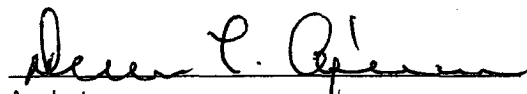
ND - Parameter not detected at the stated detection limit.

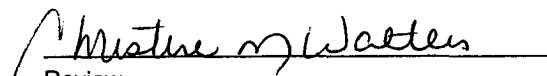
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Pole Paradise #2 5 - Point @ 4'


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-21-BTEX QA/QC	Date Reported:	09-22-06
Laboratory Number:	38511	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-21-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	5.3410E+007	5.3517E+007	0.2%	ND	0.2
Toluene	6.6494E+007	6.6628E+007	0.2%	ND	0.2
Ethylbenzene	2.8931E+007	2.8989E+007	0.2%	ND	0.2
p,m-Xylene	1.1748E+008	1.1772E+008	0.2%	ND	0.2
o-Xylene	5.5879E+007	5.5991E+007	0.2%	ND	0.1

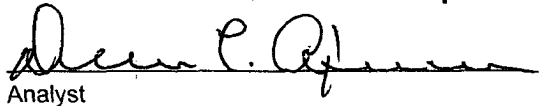
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	34.5	34.4	0.3%	0 - 30%	1.8
Toluene	130	129	0.8%	0 - 30%	1.7
Ethylbenzene	56.6	56.4	0.4%	0 - 30%	1.5
p,m-Xylene	163	162	0.6%	0 - 30%	2.2
o-Xylene	39.5	39.4	0.3%	0 - 30%	1.0

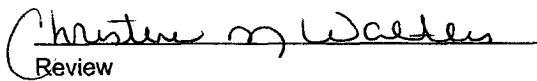
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	34.5	50.0	84.4	99.9%	39 - 150
Toluene	130	50.0	179	99.6%	46 - 148
Ethylbenzene	56.6	50.0	106	99.8%	32 - 160
p,m-Xylene	163	100	262	99.8%	46 - 148
o-Xylene	39.5	50.0	89.4	99.9%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 38511 - 38517, 38529


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Historical #1	Date Reported:	09-21-06
Lab ID#:	38529	Date Sampled:	09-20-06
Sample Matrix:	Soil	Date Received:	09-20-06
Preservative:	Cool	Date Analyzed:	09-21-06
Condition:	Cool and Intact	Chain of Custody:	1488

Parameter

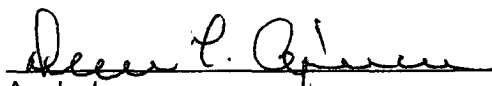
Concentration (mg/Kg)

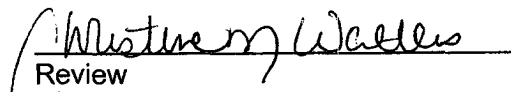
Total Chloride

96.6

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Poles Paradise #2 5 - Point @ 4'


Analyst


Review