

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>Kimbell Oil Company of Texas</u>		Telephone: <u>(817) 335-2593</u>	e-mail address: <u>jms@kimbeloil.com</u>
Address: <u>777 Taylor Street, Suite P-IIA, Fort Worth, Texas 76102</u>			
Facility or well name	<u>Warren Federal #2</u>	API #	<u>3003905714</u> U/L or Qtr/Qtr <u>O</u> Sec <u>35</u> T. <u>25N</u> R <u>6W</u>
County:	<u>Rio Arriba</u>	Latitude	<u>36.352462</u> Longitude <u>-107.43409</u> NAD: 1927 <input checked="" 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 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 <u> </u> mil Clay <input type="checkbox"/> Pit Volume <u> </u> bbl		Below-grade tank Volume. <u> </u> bbl Type of fluid: Construction material: Earth Pit 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) 20
		Ranking Score (Total Points)	20

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:
Auger refusal at 4' BGS, encountered sandstone. Sample at 1' below tank was within the 8015 standard of 100 ppm for TPH and OVM standard of 100 ppm.
95 barrel steel tank installed.

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: 12/17/07

Printed Name/Title Mr. Jonathan Stickland

Signature J.M. Stickland

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



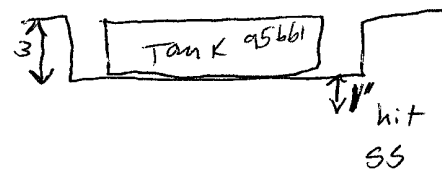
Signature Bob Bell

Date: JAN 08 2008

DEPUTY OIL & GAS INSPECTOR, DIST. #3

36.352462

- 107.43409

CLIENT: _____	ENVIROTECH INC. <small>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615</small>	LOCATION NO: _____ C.D.C. NO: _____																																													
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: _____ of _____																																													
LOCATION: NAME: <u>Warren Fed</u> WELL #: <u>2</u> PIT: _____ QUAD/UNIT: <u>0</u> SEC: <u>35</u> TWP: <u>25N</u> RNG: <u>6W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>10155 1850E</u> CONTRACTOR: _____		DATE STARTED <u>11-19-07</u> DATE FINISHED <u>11-19-07</u> ENVIRONMENTAL SPECIALIST: <u>RK: b len</u>																																													
EXCAVATION APPROX. <u>0</u> FT. x <u>0</u> FT. x <u>0</u> FT. DEEP CUBIC YARDAGE: _____ DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____ LAND USE: _____ LEASE: <u>API 30039 05714</u> FORMATION: _____																																															
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>60</u> FT. <u>90°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>2100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>30'</u> NMOC D RANKING SCORE: <u>20</u> NMOC D TPH CLOSURE STD: <u>100</u> PPM																																															
SOIL AND EXCAVATION DESCRIPTION: <u>Pit</u> <u>35x35x3</u> hit ss at 1'		CHECK ONE : <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED																																													
200 std 189																																															
FIELD 418.1 CALCULATIONS																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TIME</th> <th>SAMPLE ID</th> <th>LAB No.</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. ppm</th> </tr> </thead> <tbody> <tr> <td></td> <td><u>el'</u></td> <td></td> <td><u>5</u></td> <td><u>20</u></td> <td><u>4</u></td> <td><u>26</u></td> <td><u>104</u></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>								TIME	SAMPLE ID	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm		<u>el'</u>		<u>5</u>	<u>20</u>	<u>4</u>	<u>26</u>	<u>104</u>																								
TIME	SAMPLE ID	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																																								
	<u>el'</u>		<u>5</u>	<u>20</u>	<u>4</u>	<u>26</u>	<u>104</u>																																								
SCALE  0 FT																																															
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 <u>el'</u></td><td><u>0.6</u></td></tr> <tr><td>2</td><td> </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>		SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 <u>el'</u>	<u>0.6</u>	2		3		4		5																																	
SAMPLE ID	FIELD HEADSPACE PID (ppm)																																														
1 <u>el'</u>	<u>0.6</u>																																														
2																																															
3																																															
4																																															
5																																															
		LAB SAMPLES																																													
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <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> </tbody> </table>		SAMPLE ID	ANALYSIS	TIME																																									
SAMPLE ID	ANALYSIS	TIME																																													
TRAVEL NOTES. CALLOUT: _____ ONSITE: _____																																															

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: Kimbell Oil
Sample No.: 1
Sample ID: 1' BGS
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 06011-007
Date Reported: 11/27/2007
Date Sampled: 11/19/2007
Date Analyzed: 11/19/2007
Analysis Needed: TPH-418.1


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	104	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: **Warren Federal #2**


Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Robin Kibler

Printed



Review

Greg Crabtree

Printed

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 19-Nov-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	189
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Rob Kibler
Analyst

11-27-07
Date

Robin Kibler
Printed

Greg Crabtree
Review

11-27-07
Date

Greg Crabtree
Printed

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

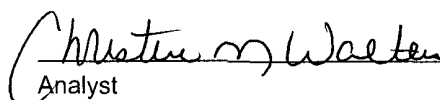
Client:	Kimbell	Project #:	06011-007
Sample ID:	Pit @ 1'	Date Reported:	11-21-07
Laboratory Number:	43690	Date Sampled:	11-19-07
Chain of Custody No:	3630	Date Received:	11-19-07
Sample Matrix:	Soil	Date Extracted:	11-20-07
Preservative:	Cool	Date Analyzed:	11-21-07
Condition:	Cool & Intact	Analysis Requested:	8015 TPH

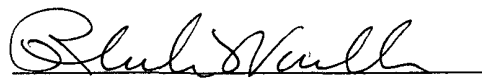
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.8	0.1
Total Petroleum Hydrocarbons	0.8	0.2

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: **Warren 2.**


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:	11-21-07 QA/QC	Date Reported:	11-21-07
Laboratory Number:	43690	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-21-07
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0332E+003	1.0336E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0532E+003	1.0536E+003	0.04%	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

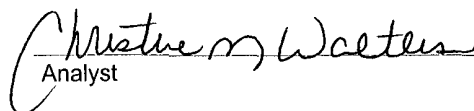
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	0.8	0.8	0.0%	0 - 30%

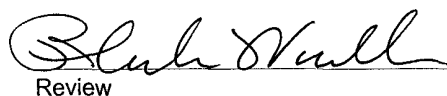
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	0.8	250	250	99.7%	75 - 125%

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 43690 - 43694 and 43702 - 43706.


Analyst


Review

CHAIN OF CUSTODY RECORD

3630

Client: Kimball			Project Name / Location: Warren 2			ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: R Kibler			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)					Sample Cool	Sample Intact
Client Phone No :			Client No.: 06011-007																	
Sample No / Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No /Volume of Containers	Preservative														
						HgCl ₂	HNO ₃													
Pit @ 1'	11-19		43690	Soil	1				X										✓	✓
Relinquished by: (Signature) Rah Kil					Date	Time	Received by: (Signature) Shah Naul					Date	Time							
					11-19-07	15:26						11/19/07	1526							
Relinquished by: (Signature)							Received by: (Signature)													
Relinquished by: (Signature)							Received by: (Signature)													

ENVIROTECH INC.

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