

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  
March 12, 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>Maralex Resources, Inc.</u> Telephone: <u>970/563-4000</u> e-mail address: <u>maralex@westernet.net</u>		
Address: <u>P.O. Box 338, Ignacio, CO 81137</u>		
Facility or well name: <u>Cecil Cast #2A</u> API #: <u>3004531908</u> U/L or Qtr/Qtr <u>E</u> Sec <u>19</u> T <u>30N</u> R <u>11W</u>		
County: <u>San Juan</u> Latitude <u>36.48N</u> Longitude <u>108.02W</u> NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/> Surface Owner Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Volume _____ bbl	<b>Below-grade tank</b> 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 <input checked="" type="checkbox"/> 50 feet or more, but less than 100 feet 100 feet or more	(20 points) <input checked="" type="checkbox"/> (10 points) ( 0 points)
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 <input checked="" type="checkbox"/>	(20 points) ( 0 points) <input checked="" type="checkbox"/>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet <input checked="" type="checkbox"/> 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) <input checked="" type="checkbox"/> (10 points) ( 0 points)
	<b>Ranking Score (Total Points)</b>	<b>40 points</b>

**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:

onsite ☐ offsite ☒ If offsite, name of facility: Enviro Tech (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.

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: 7/13/04

Printed Name/Title: Dennis R. Reimers/Engr.Mngr. Signature: D.R. Reimers

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.

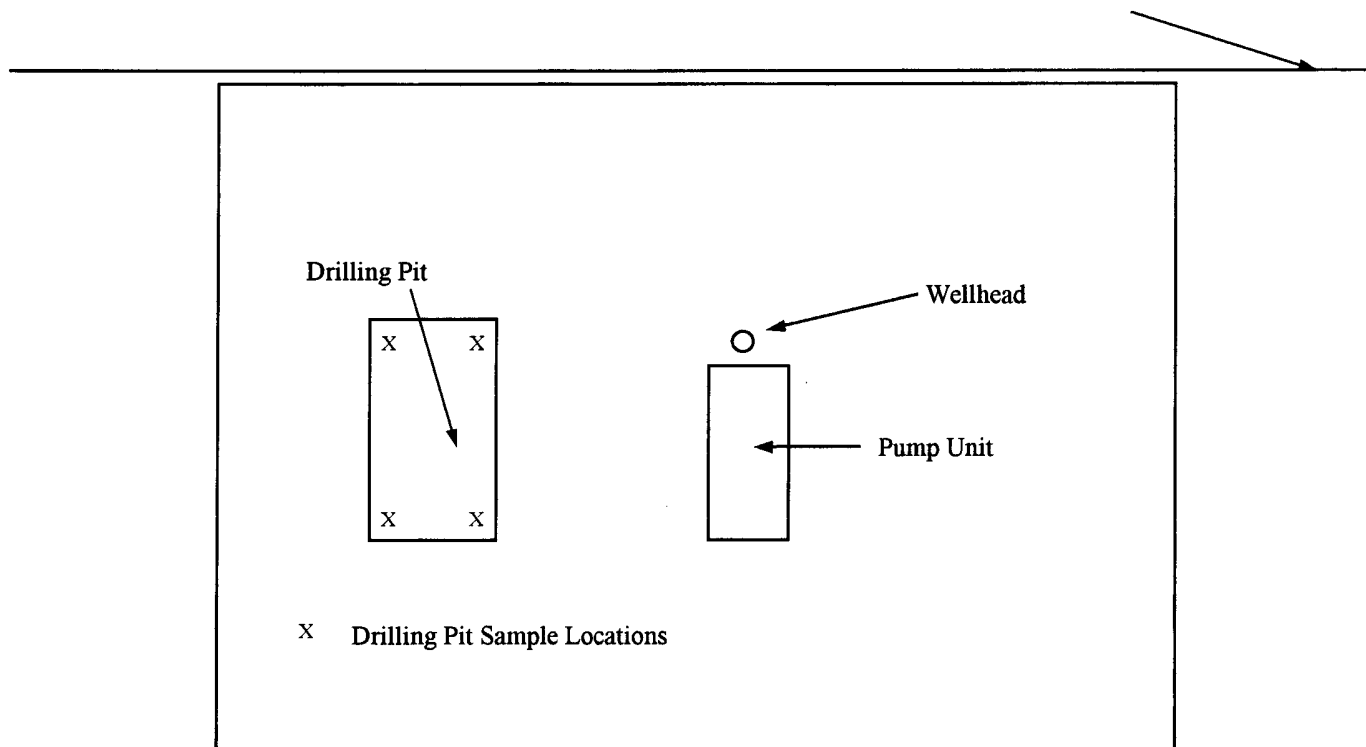
Approval: JUL 23 2004

Date: \_\_\_\_\_  
Printed Name/Title: Henry Furt Signature: \_\_\_\_\_  
DEPUTY OIL & GAS INSPECTOR, DIST. #2

Cecil Cast #2A  
Well Location  
1577' FNL, 411' FWL  
S 19-730N-R11W



CR 3000 (SouthSide River Road)  
2.6 Miles to Hiway 550 Aztec



**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

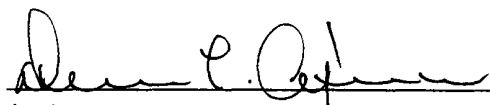
Client:	Maralex Resources	Project #:	02053-001
Sample ID:	Cecil Cast #2A	Date Reported:	07-08-04
Laboratory Number:	29463	Date Sampled:	07-05-04
Chain of Custody No:	12509	Date Received:	07-06-04
Sample Matrix:	Soil	Date Extracted:	07-07-04
Preservative:	Cool	Date Analyzed:	07-08-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

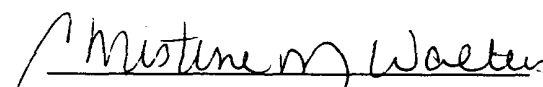
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	18.7	0.2
Diesel Range (C10 - C28)	2,050	0.1
Total Petroleum Hydrocarbons	2,070	0.2

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:

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Maralex Resources	Project #:	02053-001
Sample ID:	Cecil Cast #2A	Date Reported:	07-08-04
Laboratory Number:	29463	Date Sampled:	07-05-04
Chain of Custody:	12509	Date Received:	07-06-04
Sample Matrix:	Soil	Date Analyzed:	07-08-04
Preservative:	Cool	Date Extracted:	07-07-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	36.7	1.8
Toluene	81.0	1.7
Ethylbenzene	56.2	1.5
p,m-Xylene	123	2.2
o-Xylene	47.5	1.0
Total BTEX	344	

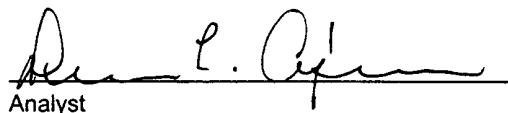
ND - Parameter not detected at the stated detection limit.

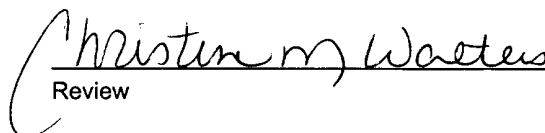
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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:

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

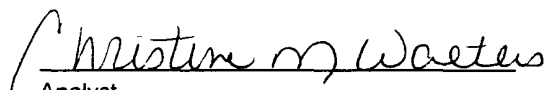
EC, SAR, ESP, CI Analysis

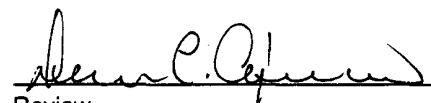
Client:	Maralex Resources	Project #:	02053-001
Sample ID:	Cecil Cast #2A	Date Reported:	07-08-04
Laboratory Number:	29463	Date Sampled:	07-05-04
Chain of Custody:	12509	Date Received:	07-06-04
Sample Matrix:	Soil	Date Extracted:	07-06-04
Preservative:	Cool	Date Analyzed:	07-07-04
Condition:	Cool & Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	1.580	mmhos/cm
Calcium	62.0	mg/Kg
Magnesium	<0.01	mg/Kg
Sodium	218	mg/Kg
Sodium Absorption Ratio (SAR)	7.6	ratio
Exchangeable Sodium Percent (ESP)	9.0	percent
Chloride	601	mg/Kg

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

Comments:

  
Analyst

  
Review

Client:	Maralex Resources	Project #:	02053-001
Sample ID:	Cecil Cast #2A	Date Reported:	07-08-04
Laboratory Number:	29463	Date Sampled:	07-05-04
Chain of Custody:	12509	Date Received:	07-06-04
Sample Matrix:	Soil	Date Analyzed:	07-08-04
Preservative:	Cool	Date Digested:	07-06-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.003	0.001	5.0
Barium	0.381	0.001	100
Cadmium	ND	0.001	1.0
Chromium	ND	0.001	5.0
Lead	ND	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.001	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

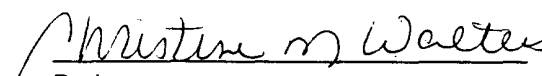
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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

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

Comments:

  
Analyst

  
Review