

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-14
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: Energen Resources Corporation Telephone: 505.325.6800 e-mail address: vdonaghe@energen.com
Address: 2198 Bloomfield Highway - Farmington, NM 87401
Facility or well name: Hart Canyon 26 #1S API #: 30-045-32825 U/L or Qtr/Qtr I Sec 26 T 31N R 10W
County: San Juan Latitude 36.868056 Longitude -107.845556 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
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 checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>5000</u> bbl	Volume: <u> </u> bbl Type of fluid: <u> </u> Construction material: <u> </u> Double-walled, with leak detection? Yes <input type="checkbox"/> 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:

Energen Resources built a lined pit according to "OCD Pit and Below-grade Tank Guidelines", as issued on November 1, 2004. Energen closed this pit in accordance with BLM and "OCD Pit and Below-grade Tank Guidelines". See APD for cut & fill diagram.

Please see attachments. Pit was closed 11/29/05.

Pit liner was torn

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: 01/11/06

Printed Name/Title Doug Thomas Signature [Signature]

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. IV**

Printed Name/Title

Signature [Signature]

Date: JAN 19 2006

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-001
Sample ID:	11-22-0501	Date Reported:	11-23-05
Chain of Custody:	15148	Date Sampled:	11-22-05
Laboratory Number:	35240	Date Received:	11-22-05
Sample Matrix:	Water	Date Analyzed:	11-23-05
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	22.8	1	0.2
Toluene	18.7	1	0.2
Ethylbenzene	1.9	1	0.2
p,m-Xylene	14.1	1	0.2
o-Xylene	4.6	1	0.1

Total BTEX 62.1

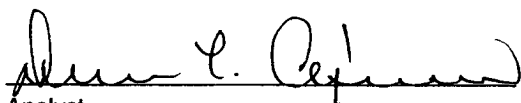
ND - Parameter not detected at the stated detection limit.

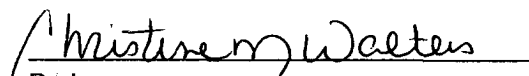
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	4-bromochlorobenzene	99 %

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: Hart Canyon.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

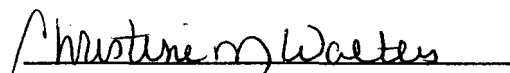
Client: Energen
Sample ID: 11-22-0501
Laboratory Number: 35240
Chain of Custody: 15148
Sample Matrix: Water
Preservative: Cool
Condition: Cool & Intact

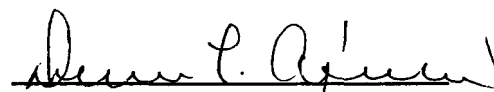
Project #: 03022-001
Date Reported: 11-23-05
Date Sampled: 11-22-05
Date Received: 11-22-05
Date Extracted: N/A
Date Analyzed: 11-22-05

Parameter	Analytical Result	Units		
pH	10.85	s.u.		
Conductivity @ 25° C	3,500	umhos/cm		
Total Dissolved Solids @ 180C	1,880	mg/L		
Total Dissolved Solids (Calc)	1,870	mg/L		
SAR	16.5	ratio		
Total Alkalinity as CaCO3	188	mg/L		
Total Hardness as CaCO3	252	mg/L		
Bicarbonate as HCO3	<0.1	mg/L	0.00	meq/L
Carbonate as CO3	136	mg/L	4.53	meq/L
Hydroxide as OH	52.0	mg/L	3.06	meq/L
Nitrate Nitrogen	0.3	mg/L	0.00	meq/L
Nitrite Nitrogen	0.054	mg/L	0.00	meq/L
Chloride	256	mg/L	7.22	meq/L
Fluoride	1.38	mg/L	0.07	meq/L
Phosphate	1.70	mg/L	0.05	meq/L
Sulfate	790	mg/L	16.45	meq/L
Iron	0.006	mg/L	0.00	meq/L
Calcium	101	mg/L	5.03	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	6.92	mg/L	0.18	meq/L
Sodium	602	mg/L	26.19	meq/L
Cations			31.39	meq/L
Anions			31.39	meq/L
Cation/Anion Difference			0.01%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Hart Canyon.


Analyst


Review