

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: Synergy Operating Telephone: (505) 566-3729 e-mail address: Gpapp@synergyoperating.com
Address: P.O. Box 5513, Farmington, NM 87499-5513
Facility or well name: Sunray B #4 API #: 30-045-20765 U/L or Qtr/Qtr E Sec 1 T 30 N R 10 W
County: San Juan Latitude 36.84401 Longitude -107.83971 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

RCVD DEC 10 '07

Pit	Below-grade tank	OIL CONS. DIV.
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: <u>60</u> bbl Type of fluid: <u>Produced Water and Incidental Oil</u> Construction material: <u>Fiberglass</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>No. Tank in place prior to Rule 50</u>	DIST. 3
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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 No	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (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.

Soil passed TPH standard of 100 ppm using USEPA Method 418.1 and the 100 ppm OVM standard. No excavation needed

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: 12-5-07

Printed Name/Title Mr. Glen Papp, Operations Manager

Signature Glen Papp

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:


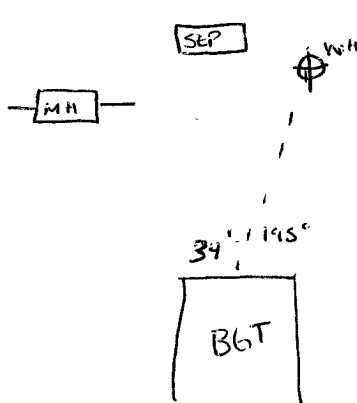
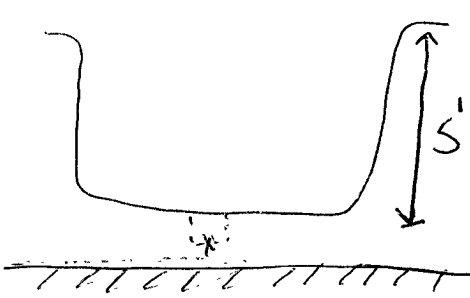
Printed Name/Title

Signature [Signature]

Date:

JAN 08 2008

DEPUTY OIL & GAS INSPECTOR, DIST. 3

CLIENT: <u>SYNERGY</u> <u>02028-005</u>	ENVIROTECH INC. <small>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615</small>	LOCATION NO: _____ C.O.C. NO: _____																														
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: _____ of _____																														
LOCATION: NAME: <u>SUNRAY B</u> WELL #: <u>4</u> PIT: _____ QUAD/UNIT: <u>E</u> SEC: <u>1</u> TWP: <u>30N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1500' FNL</u> <u>810' FNL</u> CONTRACTOR: _____		DATE STARTED <u>11/19/07</u> DATE FINISHED: <u>11/19/07</u> ENVIRONMENTAL SPECIALIST <u>EMH</u>																														
EXCAVATION APPROX _____ FT. x _____ FT. x _____ FT. DEEP. CUBIC YARDAGE: _____ DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____ LAND USE: <u>RANGE</u> LEASE: <u>30-045-20765</u> FORMATION: _____																																
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>34</u> FT. <u>195°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u><100</u> NMCD RANKING SCORE: <u>20</u> NMCD TPH CLOSURE STD: <u>100</u> PPM																																
SOIL AND EXCAVATION DESCRIPTION: <u>SOIL PASSED TPH STD OF 100PPM USING 418.1 AND</u> <u>100PPM ORGANIC VAPORS</u> <u>AUGER REFUSAL DIRECTLY BELOW BGT</u>		CHECK ONE : <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED																														
FIELD 418.1 CALCULATIONS																																
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SCALE  0 FT	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> PIT PERIMETER  </div> <div style="text-align: center;"> OVM RESULTS <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</td><td><u>0.0</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> </div> <div style="text-align: center;"> 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> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> </div> <div style="text-align: center;"> PIT PROFILE  </div> </div>		SAMPLE ID	FIELD HEADSPACE PID (ppm)	1	<u>0.0</u>	2		3		4		5		SAMPLE ID	ANALYSIS	TIME															
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TRAVEL NOTES. CALLOUT: _____ ONSITE. <u>9:00 - 9:45</u>																																

36.84401° -107.83971°

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Synergy	Project #:	02028-005
Sample No.:	1	Date Reported:	11/21/2007
Sample ID:	Discrete, Directly Below BGT	Date Sampled:	11/19/2007
Sample Matrix:	Soil	Date Analyzed:	11/21/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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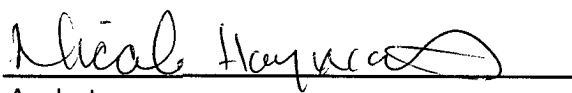
Total Petroleum Hydrocarbons	96	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Sunray B #4**

Instrument callibrated to 200 ppm standard. Zeroed before each sample


Analyst

Nicole Hayworth
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	191
	200	
	500	
	1000	

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

Nicole Hayworth
Analyst

11/29/07
Date

Nicole Hayworth
Printed

Greg Crabtree
Review

11/29/07
Date

Greg Crabtree
Printed