

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

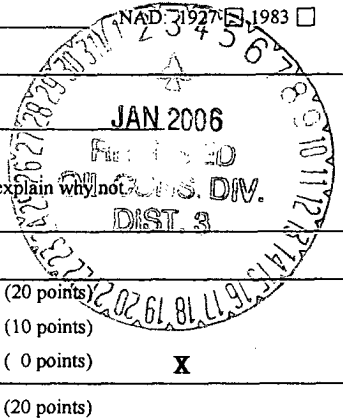
Form C-144  
June 1, 2004

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: <b>Redwolf Production, Inc.</b> Telephone: <b>(505) 326-4125</b> e-mail address: <b>ddelventhal@qwest.net</b>		
Address: <b>P. O. Box 5382 Farmington, NM 87499</b>		
Facility or well name: <b>Bettin on Bisti 30 #9</b> API #: <b>30-045-27124</b> U/L or Qtr/Qtr <b>I</b> Sec <b>30</b> T <b>25N</b> R <b>11W</b>		
County: <b>San Juan</b> Latitude _____ Longitude _____		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" type="checkbox"/>		
<b>Pit</b> 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 _____ mil Clay <input type="checkbox"/> Pit Volume <b>103</b> 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 (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points) <b>X</b>	
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) <b>X</b>	
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) <b>X</b> 1000 feet or more (0 points)	
<b>Ranking Score (Total Points)</b> <b>10</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: (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:
<b>Redwolf Production, Inc. closed this production pit on December 30, 2005</b>
<b>according to NMOCD guidelines. Closure details and chemical analyses</b>
<b>are attached.</b>

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: **12/30/05**

Printed Name/Title **Dana L. Delventhal, VP**

Signature

*Dana L. Delventhal*

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**


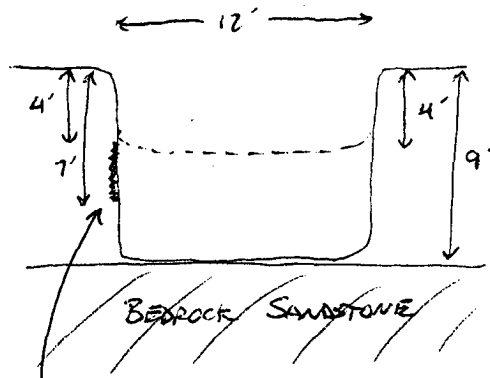
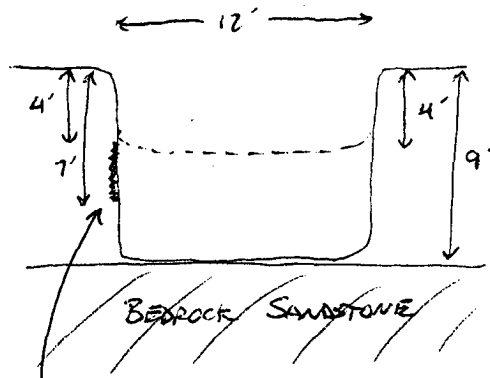
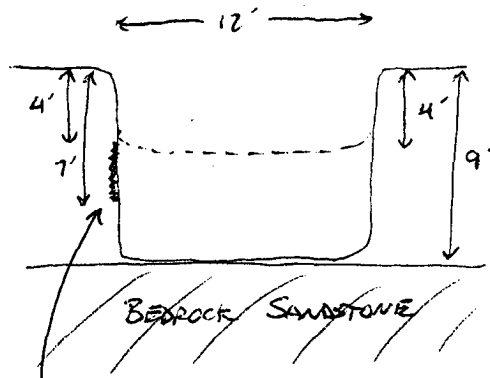
Printed Name/Title

Signature

*Denny Kent*

Date:

**JAN 03 2006**

CLIENT: <u>REDWOLF</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: _____ COCR NO: <u>14606</u>																																													
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																													
LOCATION: NAME: <u>BETTIN ON BIST 30</u> WELL#: <u>9</u> TYPE: <u>PROD</u> QUAD/UNIT: <u>I</u> SEC: <u>30</u> TWP: <u>25N</u> RNG: <u>11W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1980 FSL x 660 FEL</u> CONTRACTOR: <u>RPI</u>		DATE STARTED: <u>12-21-05</u> DATE FINISHED: <u>12-29-05</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																													
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u>																																															
DISPOSAL FACILITY: <u>CLOSE AS IS</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>																																															
LAND USE: <u>RANGE - NAV TRUST</u> LEASE: <u>NM 68764</u> FORMATION: <u>GAL</u>																																															
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>129</u> FT. <u>N 3° W</u> FROM WELLHEAD.																																															
DEPTH TO GROUNDWATER: <u>&gt;100</u> NEAREST WATER SOURCE: <u>&gt;1000</u> NEAREST SURFACE WATER: <u>&lt;1000</u>																																															
NMOC D RANKING SCORE: <u>10</u> NMOC D TPH CLOSURE STD: <u>1000</u> PPM (DRY Stocktank ~ 600' West)																																															
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>52.8</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1310</u> am/pm DATE: <u>12-21-05</u>																																													
SOIL TYPE: <u>(SAND / SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL (OTHER)</u> <u>BEDROCK SANDSTONE @ 9'</u> SOIL COLOR: <u>LITE TAN</u> COHESION (ALL OTHERS): <u>(NON COHESIVE) / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE</u> CONSISTENCY (NON COHESIVE SOILS): <u>(LOOSE) / FIRM / DENSE / VERY DENSE</u> PLASTICITY (CLAYS): <u>NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC</u> DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT / FIRM / STIFF / VERY STIFF / HARD</u> MOISTURE: <u>DRY (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATED</u> DISCOLORATION/STAINING OBSERVED: <u>(YES) / NO</u> EXPLANATION: <u>South + West Sidewalls 4'-7' - Dark Brown</u> HC ODOR DETECTED: <u>(YES) / NO</u> EXPLANATION: <u>South + West Sidewalls 4'-7'; BASE @ 9' IN Center</u> SAMPLE TYPE: GRAB <u>(COMPOSITE)</u> # OF PTS. <u>5</u> ADDITIONAL COMMENTS: <u>Production Pit, Original Dimensions Approximately 12'x12'x4'</u> <u>USE Buckline to Dig Into Pit For Sampling - Firm Bedrock Sandstone @ 9'</u>																																															
FIELD 418.1 CALCULATIONS																																															
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>SCALE</p>  <p>0 10 FT</p> </div> <div style="width: 65%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">PIT PERIMETER</th> <th colspan="2">OVM READING</th> <th colspan="2">PIT PROFILE</th> </tr> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> <th> </th> </tr> </thead> <tbody> <tr> <td>1 @</td> <td> </td> <td>5-Point</td> <td>TAH</td> <td>1300</td> <td rowspan="4">  </td> </tr> <tr> <td>2 @</td> <td> </td> <td> </td> <td>BTX</td> <td> </td> </tr> <tr> <td>3 @</td> <td> </td> <td> </td> <td>CL-</td> <td> </td> </tr> <tr> <td>4 @</td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>5 @</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="2">5-Point Composite</td> <td>92</td> <td colspan="3"> <p>Light Stain on South + West Sidewalls</p> </td> </tr> </tbody> </table> </div> </div>			PIT PERIMETER		OVM READING		PIT PROFILE		SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME		1 @		5-Point	TAH	1300		2 @			BTX		3 @			CL-		4 @					5 @						5-Point Composite		92	<p>Light Stain on South + West Sidewalls</p>		
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TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>12/21/05</u>																																															

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

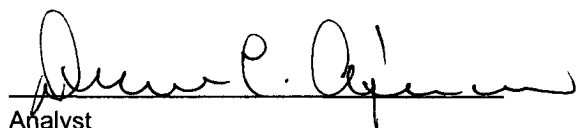
Client:	Blagg / Redwolf	Project #:	94034-010
Sample ID:	Production Pit	Date Reported:	12-28-05
Laboratory Number:	35579	Date Sampled:	12-21-05
Chain of Custody No:	14606	Date Received:	12-22-05
Sample Matrix:	Soil	Date Extracted:	12-27-05
Preservative:	Cool	Date Analyzed:	12-28-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

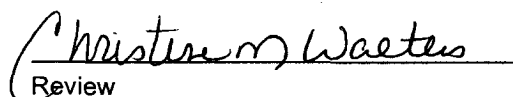
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.4	0.2
Diesel Range (C10 - C28)	76.7	0.1
Total Petroleum Hydrocarbons	80.1	0.2

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: **Bettin On Bisti 30 #9 5-Point Composite.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Redwolf	Project #:	94034-010
Sample ID:	Production Pit	Date Reported:	12-28-05
Laboratory Number:	35579	Date Sampled:	12-21-05
Chain of Custody:	14606	Date Received:	12-22-05
Sample Matrix:	Soil	Date Analyzed:	12-28-05
Preservative:	Cool	Date Extracted:	12-27-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	18.3	1.8
Toluene	215	1.7
Ethylbenzene	538	1.5
p,m-Xylene	478	2.2
o-Xylene	76.2	1.0
Total BTEX	1,330	

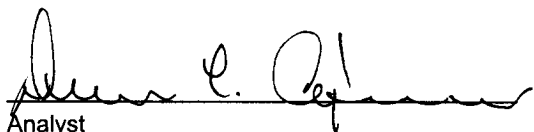
ND - Parameter not detected at the stated detection limit.

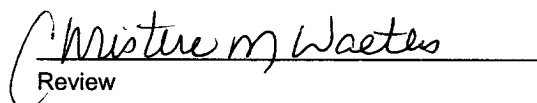
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Bettin On Bisti 30 #9 5-Point Composite.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg / Redwolf	Project #:	94034-010
Sample ID:	Production Pit	Date Reported:	12-28-05
Lab ID#:	35579	Date Sampled:	12-21-05
Sample Matrix:	Soil	Date Received:	12-22-05
Preservative:	Cool	Date Analyzed:	12-28-05
Condition:	Cool and Intact	Chain of Custody:	14606

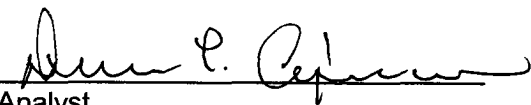
Parameter	Concentration (mg/Kg)
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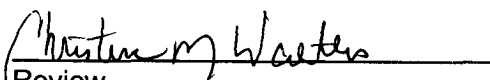
Total Chloride

39.7

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

Comments: Bettin On Bisti 30 #9 5-Point Composite.

  
Analyst

  
Review