

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>Yates Drilling Company</u> Telephone: <u>(505)748-8440</u> e-mail address: _____	
Address: <u>105 South 4th Street, Artesia, New Mexico 88210</u>	
Facility or well name: <u>Axem Federal 1</u> API #: <u>30-045-26468</u> U/L or Qtr/Qtr <u>M</u> Sec <u>18</u> T <u>23N</u> R <u>8W</u>	
County: <u>San Juan</u> Latitude <u>36.22079</u> Longitude <u>107.72980</u> NAD: 1927 <input 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 type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: <u>45</u> bbl Type of fluid: <u>Produced Water</u> Construction material: <u>Steel</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>Being closed out to meet guidelines</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) 0 100 feet or more (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 (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) 0 1000 feet or more (0 points)
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:
45 barrel steel tank. Tank removed and soils sampled with backhoe. Enlarged pit to 15' x 15' and set tank in pit with base and sidewalls exposed.
Pit located 81 feet North 49° East of wellhead.

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: 12/20/04

Printed Name/Title Jeffrey C. Blagg, Agent, NMPE 11607

Signature Jeffrey C. Blagg

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. 31


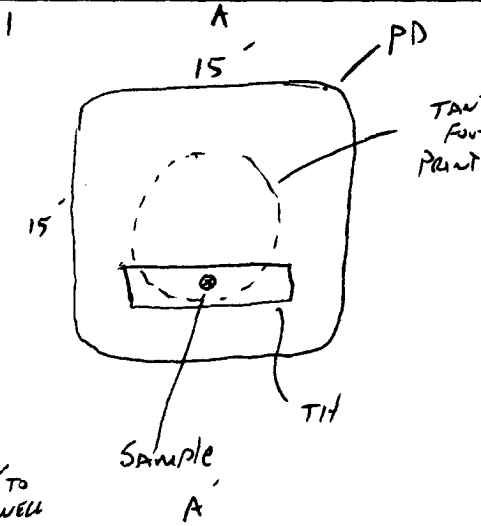
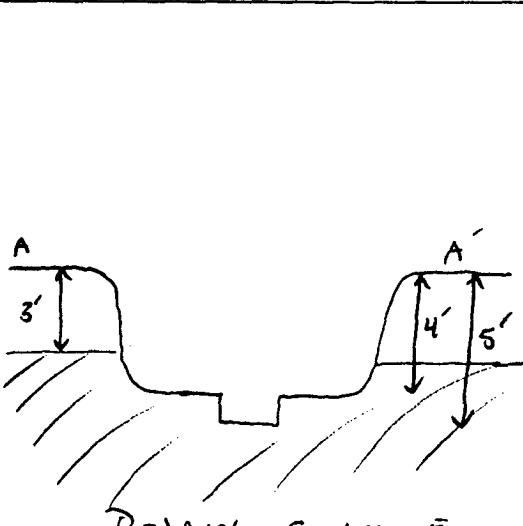
Printed Name/Title _____

Signature Jerry Stent

Date: JAN 20 2005

30-045-26468

36.22079 N x 107.72980 W

CLIENT: <u>YATES DRILLING</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ COCR NO: <u>13314</u>																																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																																								
LOCATION: NAME: <u>AXEM FLD</u> WELL #: <u>1</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>M</u> SEC: <u>18</u> TWP: <u>23N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>442 FSL x 344 FWL</u> CONTRACTOR: <u>HD</u>		DATE STARTED: <u>11-29-04</u> DATE FINISHED: <u>11-29-04</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>0</u>																																																										
DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>																																																										
LAND USE: <u>RANGE - BLM</u> LEASE: <u>NM 25230</u> FORMATION: <u>GALLUP</u>																																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>81</u> FT. <u>N49E</u> FROM WELLHEAD.																																																										
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>																																																										
NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																																										
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>52.0</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1240</u> am/pm DATE: <u>11-29-04</u>																																																								
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK 3' DOWN</u> SOIL COLOR: <u>YELLOW TAN</u> COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / <u>HIGHLY COHESIVE</u> CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / <u>VERY DENSE</u> PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES / <u>NO</u> / EXPLANATION: _____ HC ODOR DETECTED: YES / <u>NO</u> / EXPLANATION: <u>V. MINOR</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>15</u> ADDITIONAL COMMENTS: <u>PIT W/ 45 BBL STEEL TANK, EXCAVATED INTO BEDROCK SANDSTONE. USE BACKHOE TO REMOVE PIT & COLLECT SAMPLE.</u>																																																										
FIELD 418.1 CALCULATIONS																																																										
SCALE 0  1 FT	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. 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> </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> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>							SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																											
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																																			
PIT PERIMETER 		PIT PROFILE 																																																								
OVM READING <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 5'</td><td>11</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> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		SAMPLE ID	FIELD HEADSPACE (ppm)	1 @ 5'	11	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>025</td><td>TPH</td><td>100</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> <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>		SAMPLE ID	ANALYSIS	TIME	025	TPH	100																											
SAMPLE ID	FIELD HEADSPACE (ppm)																																																									
1 @ 5'	11																																																									
2 @																																																										
3 @																																																										
4 @																																																										
5 @																																																										
SAMPLE ID	ANALYSIS	TIME																																																								
025	TPH	100																																																								
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																																										
TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>11/29/04</u> <u>0940</u>																																																										

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

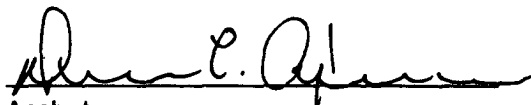
Client:	Blagg / Yates	Project #:	94034-010
Sample ID:	Axem Fed #1	Date Reported:	12-01-04
Laboratory Number:	31311	Date Sampled:	11-29-04
Chain of Custody No:	13314	Date Received:	11-29-04
Sample Matrix:	Soil	Date Extracted:	11-30-04
Preservative:	Cool	Date Analyzed:	12-01-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

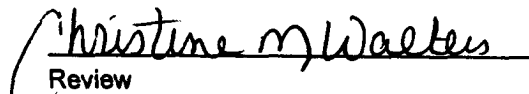
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Separator Pits 1 @ 5'.**


Analyst


Review