

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: Dugan Production Corp Telephone: (505)325-1821 e-mail address: _____

Address: P.O. Box 420, Farmington, New Mexico 87401

Facility or well name: Blanco Wash No. 5 API #: 30-045-22937 U/L or Qtr/Qtr L Sec 01 T 24N R 09W

County: San Juan Latitude 36.34042 Longitude 107.74486 NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☐ Private ☐ Indian ☒

Pit
Type: Drilling ☐ Production ☐ Disposal ☒
Workover ☐ Emergency ☐
Lined ☐ Unlined ☒
Liner type: Synthetic ☐ Thickness _____ mil Clay ☐
Pit Volume 96 ± bbl

Below-grade tank
Volume: _____ bbl Type of fluid: _____
Construction material: _____
Double-walled, with leak detection? Yes ☐ 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) 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) 20

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)	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:

18' x 15' x 2'± deep unlined separator pit., center located 120 feet South 43° West of wellhead.

Use back-hoe to dig test trenches in pit and collect samples. Submit center sample to laboratory for TPH testing.

TPH @ 5 feet below grade (3 feet below pit base) recorded at non-detect. Use back-hoe to remove stained soils (about 9± cubic yards) from pit.

Soils were landfarmed in a bermed area on site and will be tested for closure at a later date.

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: 7/26/05

Printed Name/Title JEFFREY C. BLAKE, AGENT

Signature Jeffrey C. Blake

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:


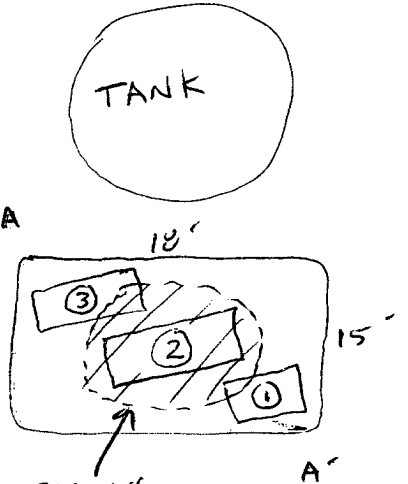
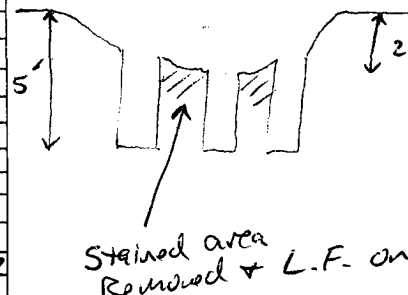
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. IV

Signature Henry Jett

Date: AUG - 4 2005

30-045-22937

36.34042 x 107.74486

CLIENT: <u>DUGAN</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ COCR NO: <u>13926</u>																															
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																															
LOCATION: NAME: <u>BLANCO WASH</u> WELL#: <u>5</u> TYPE: <u>PRODUCTION</u> QUAD/UNIT: <u>L SEC: 1</u> TWP: <u>24N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1550 FSL x 1190 FWL</u> CONTRACTOR: <u>MJO</u>		DATE STARTED: <u>7-14-05</u> DATE FINISHED: <u>7-25-05</u> ENVIRONMENTAL SPECIALIST: <u>FCB</u>																															
EXCAVATION APPROX. <u>9</u> FT. x <u>9</u> FT. x <u>5</u> FT. DEEP. CUBIC YARDAGE: <u>9±</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARM</u> LAND USE: <u>RANGE-NAV.</u> LEASE: <u>14-20-0603-1402</u> FORMATION: <u>DK</u>																																	
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>120</u> FT. <u>S43°W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>650±</u> NEAREST SURFACE WATER: <u>>1000</u> NMOCD RANKING SCORE: <u>20</u> NMOCD TPH CLOSURE STD: <u>100</u> PPM																																	
SOIL AND EXCAVATION DESCRIPTION: <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 10px;"> OVM CALIB. READ. = <u>52.9</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>0630</u> am/pm DATE: <u>7/14/05</u> </div>																																	
SOIL TYPE: SAND (<u>SILTY SAND</u>) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>LITE TAN</u> COHESION (ALL OTHERS): (<u>NON COHESIVE</u>) SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): (<u>LOOSE</u>) FIRM / DENSE / VERY DENSE 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: (<u>YES</u>) / NO EXPLANATION - <u>Pit surface to a depth 2'± below surface</u> HC ODOR DETECTED: (<u>YES</u>) / NO EXPLANATION - <u>MINOR</u> SAMPLE TYPE: (<u>GRAB</u>) / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>18' x 15' x 2' Deep CONE SHAPED EXCAVATION PIT. Surface stain in Pit center ONLY. USE BACKHOE TO DIG Test holes for sampling WINDMILL ~ 650' SOUTHWEST OF PIT</u>																																	
FIELD 418.1 CALCULATIONS																																	
SCALE  0 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> </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 	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>0.0</td></tr> <tr><td>2 @ 5'</td><td>1.4</td></tr> <tr><td>3 @ 5'</td><td>0.7</td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> </tbody> </table> 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>205</td><td>TPH</td><td>0947</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	FIELD HEADSPACE (ppm)	1 @ 5'	0.0	2 @ 5'	1.4	3 @ 5'	0.7	4 @		5 @		SAMPLE ID	ANALYSIS	TIME	205	TPH	0947													PIT PROFILE 	
SAMPLE ID	FIELD HEADSPACE (ppm)																																
1 @ 5'	0.0																																
2 @ 5'	1.4																																
3 @ 5'	0.7																																
4 @																																	
5 @																																	
SAMPLE ID	ANALYSIS	TIME																															
205	TPH	0947																															
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																	
TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>7/14/05 0845</u>																																	

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

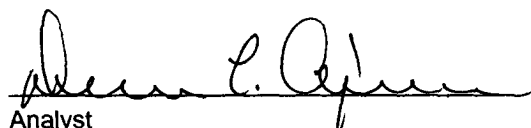
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Production Pit	Date Reported:	07-18-05
Laboratory Number:	33692	Date Sampled:	07-14-05
Chain of Custody No:	13926	Date Received:	07-15-05
Sample Matrix:	Soil	Date Extracted:	07-17-05
Preservative:	Cool	Date Analyzed:	07-18-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

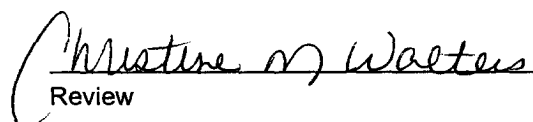
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Blanco Wash #5 #2 @ 5'.**


Analyst


Review