

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

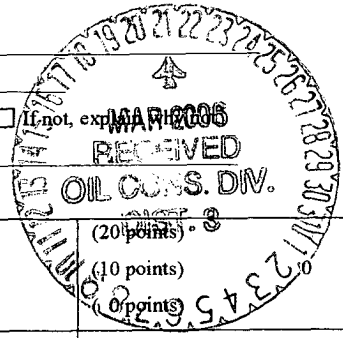
Form C-144
June 1, 2004

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: <u>Dugan Production Corp</u> Telephone: <u>(505)325-1821</u> e-mail address: _____			
Address: <u>P.O. Box 420, Farmington, New Mexico 87401</u>			
Facility or well name: <u>Big Eight #1E</u> API #: <u>30-045-25221</u> U/L or Qtr/Qtr <u>O</u> Sec <u>8</u> T <u>24N</u> R <u>9W</u>			
County: <u>San Juan</u> Latitude <u>36.32404</u> Longitude <u>107.80915</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 checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume <u>100 ±</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain _____		
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)
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) 10 (0 points)
Ranking Score (Total Points)			10

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:
12' x 12' x 4' ± deep unlined production separator pit, center located 75 feet North 8° East of wellhead. Pit excavated/sampled to 2 feet below base on 12/14/05.
Pit excavated to 14' x 14' x 10' ± and re-sampled on 3/10/06. Soils landfarmed on location.
Collect 5-point composite soil sample from excavated pit base for laboratory testing.
See attached field sampling report and laboratory test reports.

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 <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		
Date: <u>3/20/06</u>		
Printed Name/Title <u>Jeff Blagg, Agent</u>	Signature <u>Jeff Blagg</u>	
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: <u>DEPUTY OIL & GAS INSPECTOR, DIST. 4</u>	Signature <u>Wendy</u>	Date: <u>MAR 21 2006</u>

CLIENT: DUGAN**BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: _____

COCR NO: 15664**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 2 of 2LOCATION: NAME: BIG EIGHT WELL #: 1E TYPE: SEP
QUAD/UNIT: 0 SEC: 8 TWP: 24N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 890 FSL x 1850 FEL CONTRACTOR: DPCDATE STARTED: 12-14-05
DATE FINISHED: 3-10-06ENVIRONMENTAL
SPECIALIST: JCBEXCAVATION APPROX. 14 FT. x 14 FT. x 10 FT. DEEP. CUBIC YARDAGE: 50 ±DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: LANDFARMLAND USE: RANGE - BLM LEASE: NM 25440 FORMATION: GALFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75 FT. N8E FROM WELLHEAD.DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >100 NEAREST SURFACE WATER: <100NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPMSOIL AND EXCAVATION DESCRIPTION:OVM CALIB. READ. = 53.5 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 0800 am/pm DATE: 3/10/06SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____SOIL COLOR: LITE TANCOHESION (ALL OTHERS): (NON COHESIVE) SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): (LOOSE) / 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 / (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - TO 6' ONLY - NO STAIN 6'-10'HC ODOR DETECTED: YES NO EXPLANATION - V. MINORSAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 5ADDITIONAL COMMENTS: 12'x12'x4' Deep Unlined Pit. Dig to 2' Below
BASE ON 12/14/05. Dig to 14'x14'x10' ON 3/10/06.

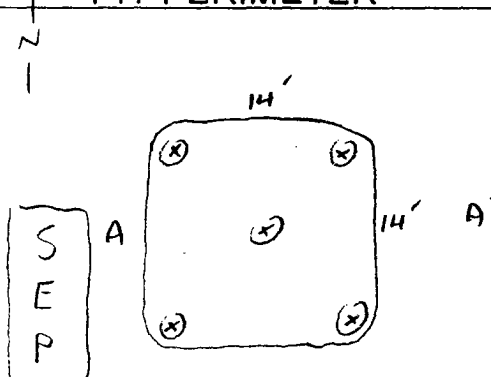
FIELD 418.1 CALCULATIONS

SCALE



0 FT

PIT PERIMETER

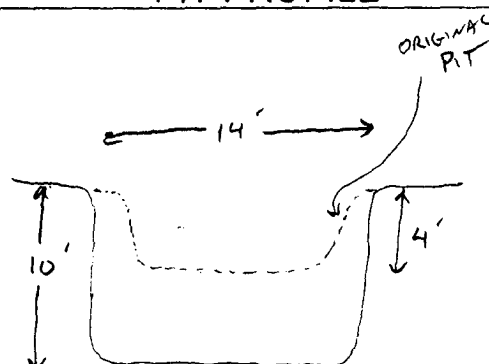
OVM
READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
5-Point	19.1
Composite	
0' 10'	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5-Point	TPH	0955
	BTEX	
	CL-	

PIT PROFILE

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; - = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES:

CALLOUT: _____ ONSITE: 3/10/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

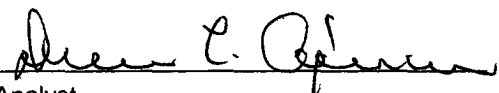
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Separator	Date Reported:	03-11-06
Laboratory Number:	36434	Date Sampled:	03-10-06
Chain of Custody No:	15664	Date Received:	03-10-06
Sample Matrix:	Soil	Date Extracted:	03-10-06
Preservative:	Cool	Date Analyzed:	03-11-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

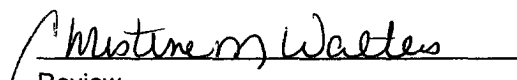
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Big 8 #1E 5-Point Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Separator	Date Reported:	03-11-06
Laboratory Number:	36434	Date Sampled:	03-10-06
Chain of Custody:	15664	Date Received:	03-10-06
Sample Matrix:	Soil	Date Analyzed:	03-11-06
Preservative:	Cool	Date Extracted:	03-10-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	2.2	1.7
Ethylbenzene	9.4	1.5
p,m-Xylene	138	2.2
o-Xylene	15.4	1.0
Total BTEX	165	

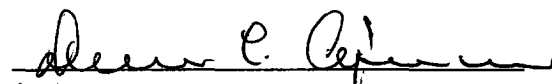
ND - Parameter not detected at the stated detection limit.

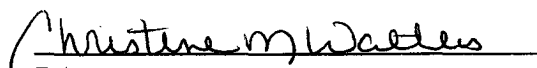
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Big 8 #1E 5-Point Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Separator	Date Reported:	03-11-06
Lab ID#:	36434	Date Sampled:	03-10-06
Sample Matrix:	Soil	Date Received:	03-10-06
Preservative:	Cool	Date Analyzed:	03-11-06
Condition:	Cool and Intact	Chain of Custody:	15664

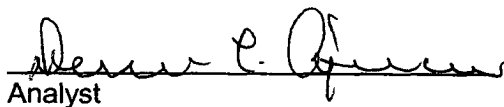
Parameter	Concentration (mg/Kg)
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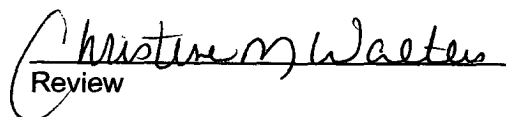
Total Chloride

3.1

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

Comments: Big 8 #1E 5-Point Composite.


Analyst


Review