

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

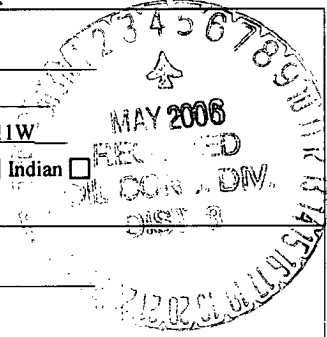
Form C-144
June 1, 2004

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>Fuller Production Inc.</u> Telephone: <u>(915)683-5661</u> e-mail address: _____			
Address: <u>P.O. Box 11327, Midland, Texas 79702</u>			
Facility or well name: <u>Federal No. 1</u> API #: <u>30-045-06391</u> U/L or Qtr/Qtr <u>G</u> Sec <u>19</u> T <u>27N</u> R <u>11W</u>			
County: <u>San Juan</u> Latitude _____ Longitude _____ 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 <u>103 ±</u> 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) 100 feet or more (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 (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) 1000 feet or more (0 points)		0
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 JFJ LANDFARM. (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 pit., center located 114 feet South 15° East of wellhead.
Use trackhoe to remove impacted soils and collect samples. Bedrock sandstone encountered at 17 feet below grade. Submit samples to laboratory for TPH,
BTEX and chloride testing. Impacted soils transported to JFJ landfarm, San Juan County, NM.
Well operations overseen by Dugan Production Corporation on behalf of Fuller Prod. Inc.

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: 5/2/06

Printed Name/Title JEFF BLAGG, AGENT

Signature Jeff Blagg

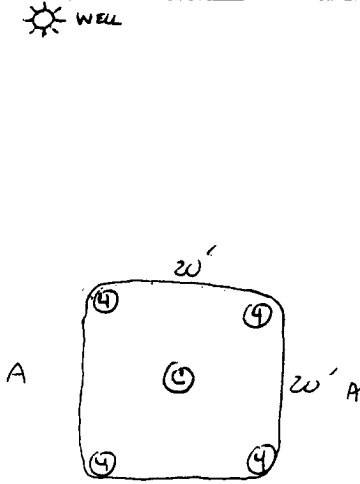
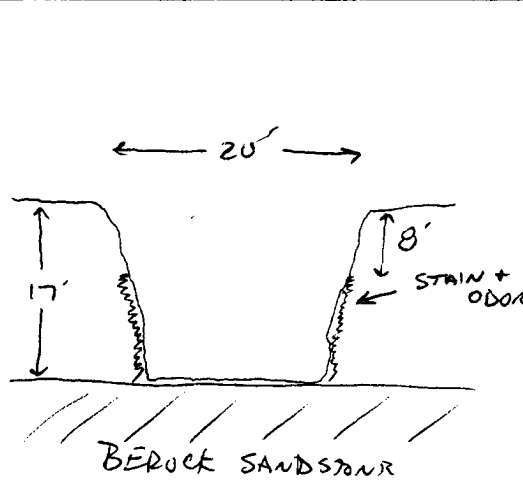
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: DEPUTY OIL & GAS INSPECTOR, DIST. 4

Printed Name/Title

Signature Brandon Powell

Date: MAY 04 2006

CLIENT: <u>FULLER PETE.</u> (DUGAN)	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ COCR NO: <u>15047</u>																																																									
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																																									
LOCATION: NAME: <u>FEDERAL</u> WELL#: <u>1</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>G SEC: 19 TWP: 27N RNG: 11W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1850 FNL x 1850 FEL</u> CONTRACTOR: <u>TRC CONSTRUCTION</u>		DATE STARTED: <u>4-24-06</u> DATE FINISHED: <u>5-2-06</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																																									
EXCAVATION APPROX. <u>20</u> FT. x <u>20</u> FT. x <u>17</u> FT. DEEP. CUBIC YARDAGE: <u>250 ±</u> DISPOSAL FACILITY: <u>JFJ LANDFARM</u> REMEDIATION METHOD: <u>EXCAVATE</u> LAND USE: <u>RANGE - NAPI (FED)</u> LEASE: <u>NM-029145</u> FORMATION: <u>DK</u>																																																											
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>114</u> FT. <u>N15W</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>500.0</u> PPM																																																											
SOIL AND EXCAVATION DESCRIPTION: 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>4/25/06</u>																																																											
SOIL TYPE: SAND <u>(SILTY SAND)</u> SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK SANDSTONE @ 17' ±</u> 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>Stain from 9'-TD on all sidewalls</u> HC ODOR DETECTED: <u>(YES)</u> NO EXPLANATION - <u>Moderate</u> SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>12' x 12' x 4' ± DEEP UNLINED PRODUCTION PIT</u> <u>(USE TRACKHOLE TO REMOVE IMPACTED SOILS & collect samples)</u>																																																											
FIELD 418.1 CALCULATIONS																																																											
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																																											
TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>4/25/06</u> <u>0835</u>																																																											

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / Dugan
Sample ID: C @ 17'
Laboratory Number: 36932
Chain of Custody No: 15847
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

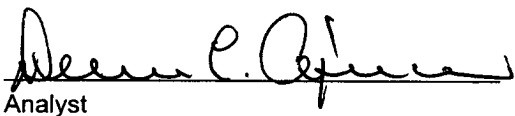
Project #: 94034-010
Date Reported: 04-26-06
Date Sampled: 04-25-06
Date Received: 04-25-06
Date Extracted: 04-25-06
Date Analyzed: 04-26-06
Analysis Requested: 8015 TPH

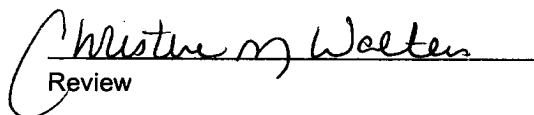
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	110	0.2
Diesel Range (C10 - C28)	147	0.1
Total Petroleum Hydrocarbons	257	0.2

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: **Federal 1 Pit Closure.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

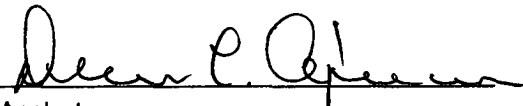
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	4-Pt. @ 17'	Date Reported:	04-26-06
Laboratory Number:	36933	Date Sampled:	04-25-06
Chain of Custody No:	15847	Date Received:	04-25-06
Sample Matrix:	Soil	Date Extracted:	04-25-06
Preservative:	Cool	Date Analyzed:	04-26-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

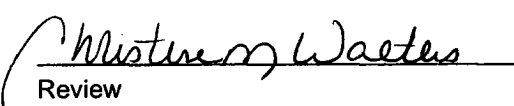
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	325	0.2
Diesel Range (C10 - C28)	297	0.1
Total Petroleum Hydrocarbons	622	0.2

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: **Federal 1 Pit Closure.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-26-06 QA/QC	Date Reported:	04-26-06
Laboratory Number:	36916	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-26-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	1.0089E+003	1.0099E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0069E+003	1.0089E+003	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

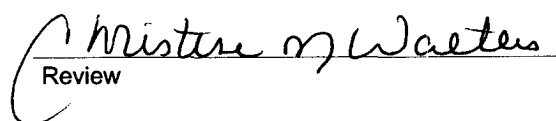
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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: QA/QC for Samples 36916 - 36920, 36932 - 36933.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	C @ 17'	Date Reported:	04-26-06
Laboratory Number:	36932	Date Sampled:	04-25-06
Chain of Custody:	15847	Date Received:	04-25-06
Sample Matrix:	Soil	Date Analyzed:	04-26-06
Preservative:	Cool	Date Extracted:	04-25-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.0	1.8
Toluene	1,220	1.7
Ethylbenzene	926	1.5
p,m-Xylene	4,600	2.2
o-Xylene	1,430	1.0
Total BTEX	8,180	

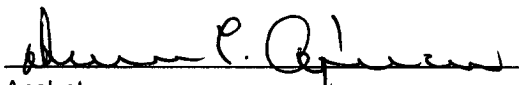
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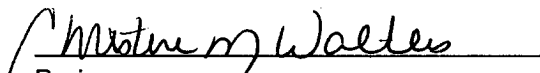
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Federal 1 Pit Closure.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	4-Pt. @ 17'	Date Reported:	04-26-06
Laboratory Number:	36933	Date Sampled:	04-25-06
Chain of Custody:	15847	Date Received:	04-25-06
Sample Matrix:	Soil	Date Analyzed:	04-26-06
Preservative:	Cool	Date Extracted:	04-25-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	34.7	1.8
Toluene	2,840	1.7
Ethylbenzene	1,990	1.5
p,m-Xylene	8,660	2.2
o-Xylene	2,820	1.0
Total BTEX	16,340	

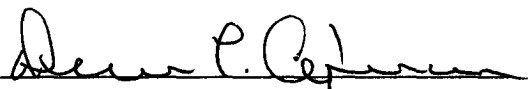
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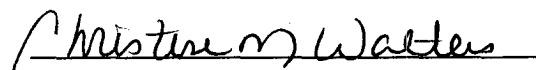
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Federal 1 Pit Closure.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-26-BTEX QA/QC	Date Reported:	04-26-06
Laboratory Number:	36916	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-26-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	5.8588E+007	5.8706E+007	0.2%	ND	0.2
Toluene	9.4037E+007	9.4226E+007	0.2%	ND	0.2
Ethylbenzene	5.8742E+007	5.8860E+007	0.2%	ND	0.2
p,m-Xylene	1.8082E+008	1.8119E+008	0.2%	ND	0.2
o-Xylene	9.1116E+007	9.1298E+007	0.2%	ND	0.1

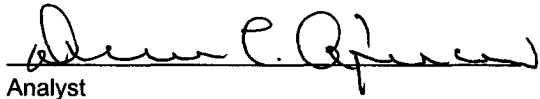
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	9.9	9.8	1.0%	0 - 30%	1.7
Ethylbenzene	5.7	5.7	0.0%	0 - 30%	1.5
p,m-Xylene	17.6	17.5	0.6%	0 - 30%	2.2
o-Xylene	7.2	7.2	0.0%	0 - 30%	1.0

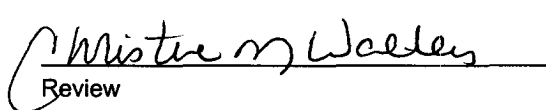
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	9.9	50.0	59.8	99.8%	46 - 148
Ethylbenzene	5.7	50.0	55.6	99.8%	32 - 160
p,m-Xylene	17.6	100	117	99.8%	46 - 148
o-Xylene	7.2	50.0	57.1	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 36916, 36932 - 36933.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	C @ 17'	Date Reported:	04-26-06
Lab ID#:	36932	Date Sampled:	04-25-06
Sample Matrix:	Soil	Date Received:	04-25-06
Preservative:	Cool	Date Analyzed:	04-25-06
Condition:	Cool and Intact	Chain of Custody:	15847

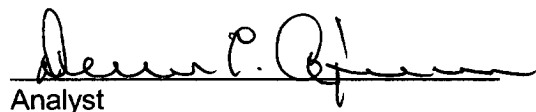
Parameter	Concentration (mg/Kg)
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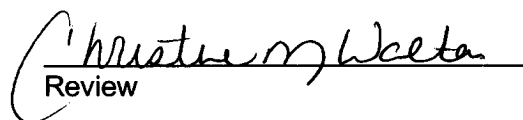
Total Chloride

140

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

Comments: **Federal 1 Pit Closure.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

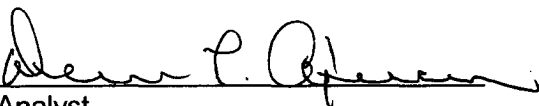
Chloride

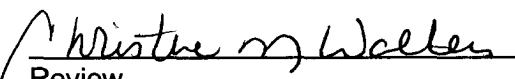
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	4-Pt @ 17'	Date Reported:	04-26-06
Lab ID#:	36933	Date Sampled:	04-25-06
Sample Matrix:	Soil	Date Received:	04-25-06
Preservative:	Cool	Date Analyzed:	04-25-06
Condition:	Cool and Intact	Chain of Custody:	15847

Parameter	Concentration (mg/Kg)
Total Chloride	72.0

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

Comments: **Federal 1 Pit Closure.**


Analyst


Review

15847

san juan reproduction 578-129