

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1901 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
March 4, 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

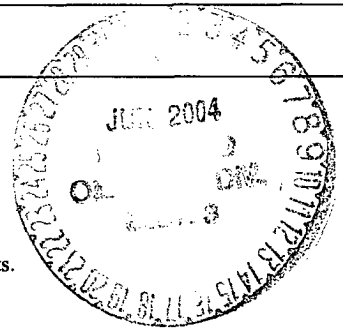
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Williams Exploration & Production Telephone: 970/563-3300 e-mail address: olivia.engele@williams.com
Address: 999 Goddard Ave Ignacio, CO 81137
Facility or well name: Rosa 211 API #: 30-039-24430 U/L or Qtr/Qtr SW NE Sec 26 T 31N R 6W
County: _____ Latitude 36.87141000 Longitude -107.42731000 Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐ X ~~SDM~~

Pit Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☒ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume 500 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)
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)
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)
	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: 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.



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 constructed or closed according to NMOCD guidelines.

Date: 5/26/04

Printed Name/Title Olivia Engle EH&S Specialist

Signature: *Olivia Engle*

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:

Date: _____
Printed Name/Title *Denny Feint* Signature _____

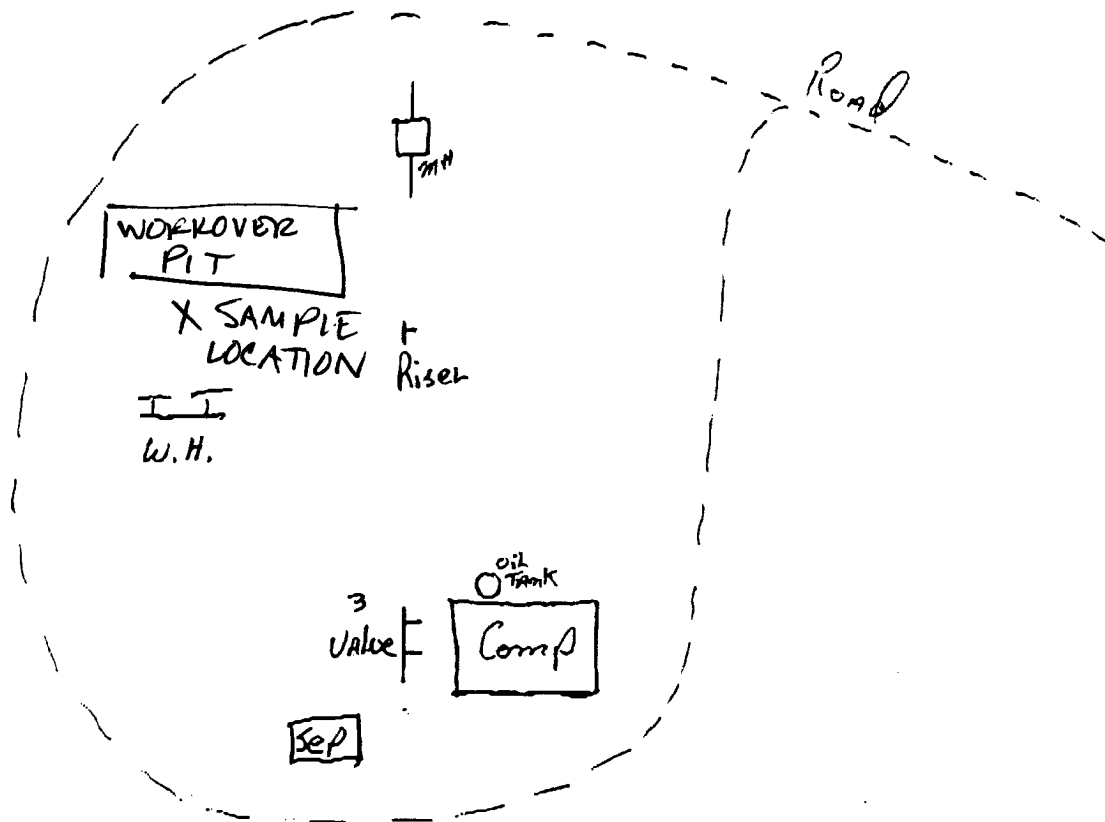
closed under General Plan

Run 0452

Rosa Unit #211

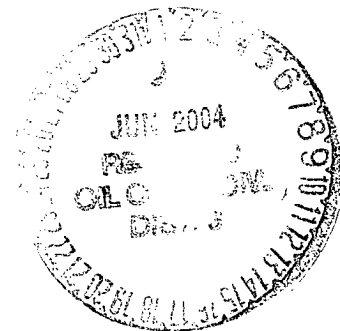


Rect



500
bbl
TANK

500
bbl
TANK



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa 211 Reserve Pit	Date Reported:	05-03-04
Laboratory Number:	28549	Date Sampled:	04-29-04
Chain of Custody:	12097	Date Received:	04-30-04
Sample Matrix:	Soil	Date Analyzed:	05-03-04
Preservative:	Cool	Date Extracted:	04-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	5.2	1.8
Toluene	10.1	1.7
Ethylbenzene	3.9	1.5
p,m-Xylene	5.1	2.2
o-Xylene	ND	1.0
Total BTEX	24.3	

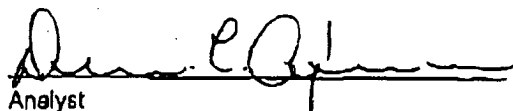
ND - Parameter not detected at the stated detection limit.

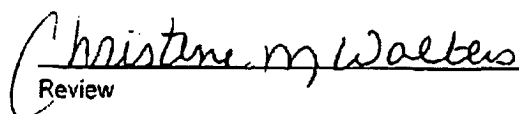
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

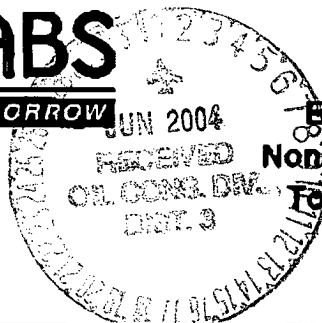
Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Rosa Pits.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa 211 Reserve Pit	Date Reported:	05-03-04
Laboratory Number:	28549	Date Sampled:	04-29-04
Chain of Custody No:	12097	Date Received:	04-30-04
Sample Matrix:	Soil	Date Extracted:	04-30-04
Preservative:	Cool	Date Analyzed:	05-03-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

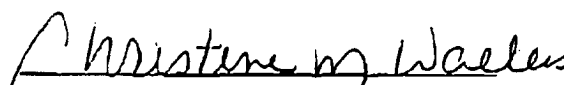
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: Rosa Pits.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

JUN 2004

TRACE METAL ANALYSIS

Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa 211 Reserve Pit	Date Reported:	05-03-04
Laboratory Number:	28549	Date Sampled:	04-29-04
Chain of Custody:	12097	Date Received:	04-30-04
Sample Matrix:	Soil	Date Analyzed:	05-03-04
Preservative:	Cool	Date Digested:	04-30-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.008	0.001	5.0
Barium	0.502	0.001	100
Cadmium	ND	0.001	1.0
Chromium	ND	0.001	5.0
Lead	0.002	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.003	0.001	1.0
Silver	ND	0.001	5.0

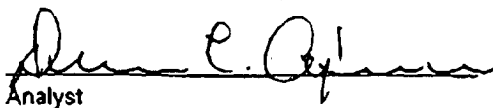
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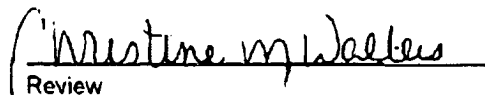
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, August 24, 1998.

Comments: Rosa Pits.


Analyst


Review