

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

AUG 2004

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: Williams Production Company, LLC. Telephone: 918-573-5314 e-mail address: Olivia.mcnamara@williams.com
Address: 999 Goddard Ave Ignacio, CO 81137
Facility or well name: Rosa 339A API #: 300453176200 U/L or Qtr/Qtr Sec 321 T 32N R 6W
County: Rio Arriba Latitude 36.55580 Longitude -107.28350 NAD: 1927 ☐ 1983 ☐ Surface Owner Federal State ☒ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☐ Disposal ☐

Workover ☒ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 20 mil Clay ☐

Pit Volume 200 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.)

50 feet or more, but less than 100 feet

(10 points)

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

No

(0 points)

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

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: (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:

SEE WILLIAMS CLOSURE PLAN
NO REMEDIATION REQUIRED

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: 8/1/2004

Printed Name/Title Olivia McNamara EH&S Specialist

Signature *Olivia McNamara*

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

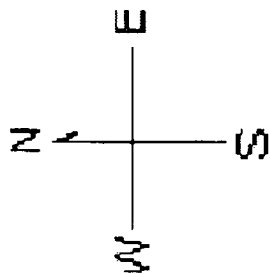
DEPUTY OIL & GAS INSPECTOR, DIST. 2

Signature

Henry Zabo

Date:

AUG - 6 2004

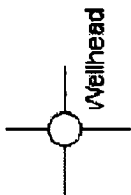


SAMPLE

Rosa #339A

WORKOVER
PIT

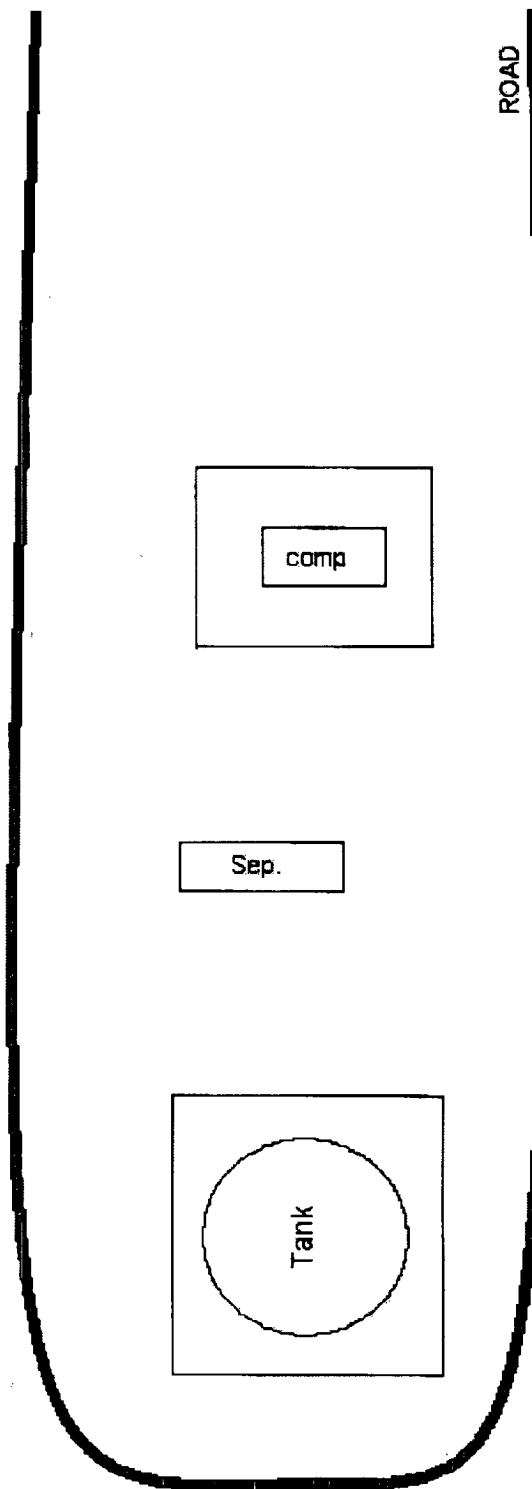
A hand-drawn diagram of a rectangular pit. Inside the rectangle, there is a large 'X' mark. The word 'SAMPLE' is written vertically to the left of the rectangle. To the right of the rectangle, the text 'Rosa #339A' is written. Below the rectangle, the words 'WORKOVER' and 'PIT' are written, with 'WORKOVER' above 'PIT'.



Wellhead



Rectifier



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**TRACE METAL ANALYSIS**

Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa #339A	Date Reported:	06-25-04
Laboratory Number:	29259	Date Sampled:	06-22-04
Chain of Custody:	12429	Date Received:	06-23-04
Sample Matrix:	Soil	Date Analyzed:	06-25-04
Preservative:	Cool	Date Digested:	06-24-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.002	0.001	5.0
Barium	0.084	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.001	0.001	5.0
Lead	0.001	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.001	0.001	1.0
Silver	ND	0.001	5.0

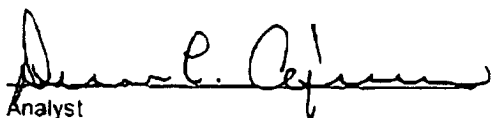
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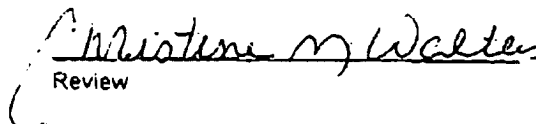
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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 Unit.


Analyst


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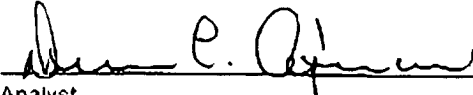
PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**EC, SAR, ESP, Cl Analysis**

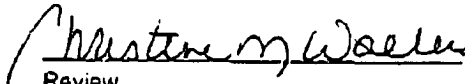
Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa #339A	Date Reported:	06-25-04
Laboratory Number:	29259	Date Sampled:	06-22-04
Chain of Custody:	12429	Date Received:	06-23-04
Sample Matrix:	Soil	Date Extracted:	06-24-04
Preservative:	Cool	Date Analyzed:	06-25-04
Condition:	Cool & Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	0.558	mmhos/cm
Calcium	72.0	mg/Kg
Magnesium	4.88	mg/Kg
Sodium	158	mg/Kg
Sodium Absorption Ratio (SAR)	6.9	ratio
Exchangeable Sodium Percent (ESP)	8.1	percent
Chloride	235	mg/Kg

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: Rosa Unit.


Analyst


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

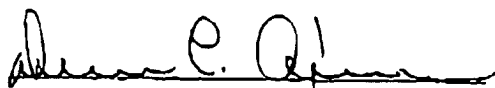
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Sample ID:	Rosa #339A	Date Reported:	06-25-04
Laboratory Number:	29259	Date Sampled:	06-22-04
Chain of Custody No:	12429	Date Received:	06-23-04
Sample Matrix:	Soil	Date Extracted:	06-24-04
Preservative:	Cool	Date Analyzed:	06-25-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

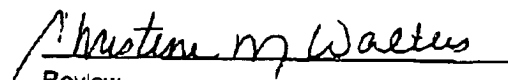
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.7	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.7	0.2

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 Unit.


Analyst


Review

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

Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa #339A	Date Reported:	06-25-04
Laboratory Number:	29259	Date Sampled:	06-22-04
Chain of Custody:	12429	Date Received:	06-23-04
Sample Matrix:	Soil	Date Analyzed:	06-25-04
Preservative:	Cool	Date Extracted:	06-24-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.6	1.8
Toluene	50.7	1.7
Ethylbenzene	12.4	1.5
p,m-Xylene	71.6	2.2
o-Xylene	36.5	1.0
Total BTEX	0175	

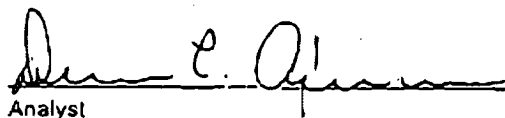
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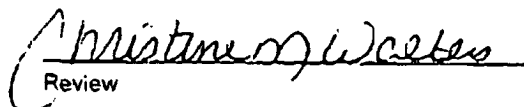
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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 Unit.


Analyst


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