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 X No ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank X

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 224 API #:300453176200 U/L or Qtr/Qtr Sec 8B T 31N R 6W
County: Rio Arriba Latitude 36.91836 Longitude -107.48437 NAD: 1927 ☐ 1983 ☐ Surface Owner Federal X State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☐ Production ☐ Disposal ☐ Workover X Emergency ☐ Lined X Unlined ☐ Liner type: Synthetic X Thickness 20 mil Clay ☐ Pit Volume 200 bbl	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

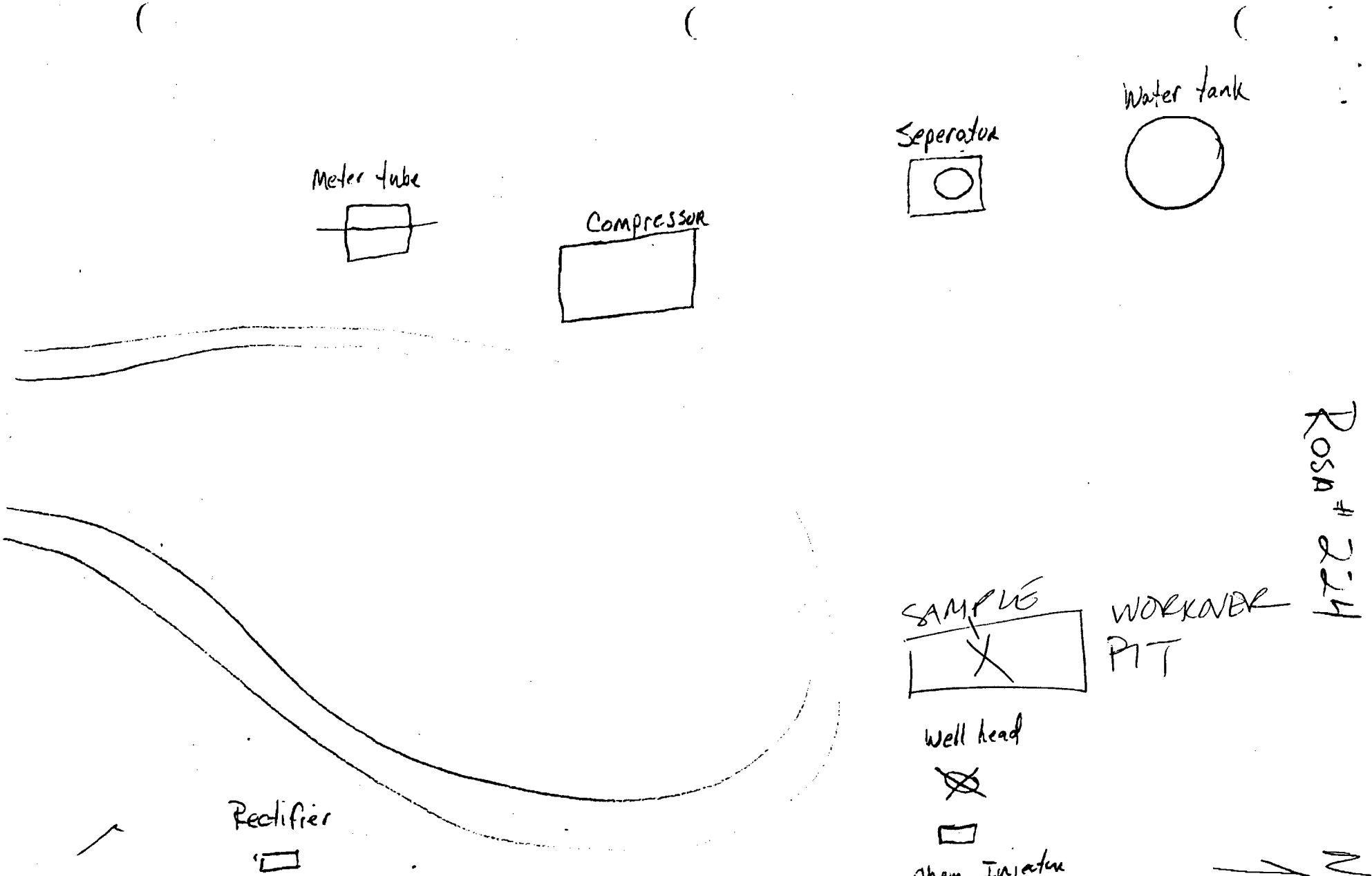
If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite X offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No X 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 X, a general permit X, 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. Signature Doug Foutz Date: AUG - 6 2004



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa 224	Date Reported:	06-25-04
Laboratory Number:	29260	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	**0.003**	**0.001**	**5.0**
Barium	**0.092**	**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**

ND - Parameter not detected at the stated detection limit.

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 Emmision 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

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EC, SAR, ESP, Cl Analysis

Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa 224	Date Reported:	06-25-04
Laboratory Number:	29260	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	1.051	mmhos/cm
Calcium	172	mg/Kg
Magnesium	1.46	mg/Kg
Sodium	258	mg/Kg
Sodium Absorption Ratio (SAR)	7.6	ratio
Exchangeable Sodium Percent (ESP)	9.0	percent
Chloride	372	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

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 224	Date Reported:	06-25-04
Laboratory Number:	29260	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)	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 Unit.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Williams Production	Project #:	03020-001
Sample ID:	Rosa 224	Date Reported:	06-25-04
Laboratory Number:	29260	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	**3.1**	**1.8**
Toluene	**ND**	**1.7**
Ethylbenzene	**17.6**	**1.5**
p,m-Xylene	**10.3**	**2.2**
o-Xylene	**13.5**	**1.0**
Total BTEX	**44.5**	

ND - Parameter not detected at the stated detection limit.

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

Review