

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

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

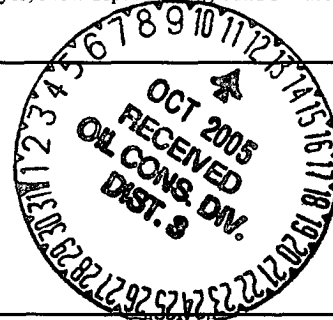
(WFS CLOSURE) Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: WILLIAMS PRODUCTION COMPANY, LLC Telephone: _____ e-mail address: _____
Address: ONE WILLIAMS CENTER TULSA, OK 74101
Facility or well name: ROSA UNIT #066 API #: 30-039-21758 U/L or Qtr/Qtr L SEC 13 T 31N R 6W
County: RIO ARRIBA Latitude 36.89771 Longitude -107.42036 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

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 checked="" type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume <u>499</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction Material: _____ Double-walled, with leak detection? Yes <input checked="" type="checkbox"/> 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) <u>0</u>
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) <u>0</u>
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 to 1,000 feet (10 points) Greater than 1,000 feet (0 points) <u>0</u>
Ranking Score (TOTAL POINTS): <u>0</u>	

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:



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: 9/9/05

Printed Name/Title Mark Harvey for Williams Field Services Signature Mark Harvey FOR WFS

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. 8

Signature [Signature]

Date: OCT 12 2005

ADDENDUM TO OCD FORM C-144

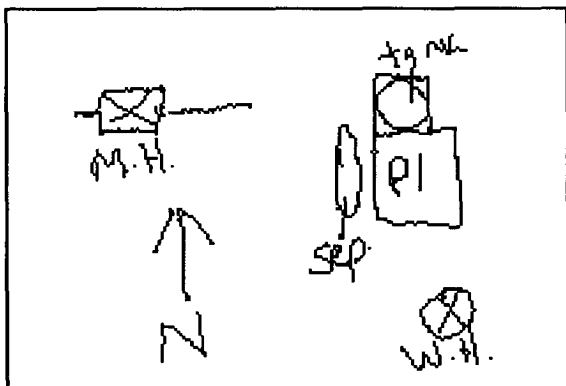
Operator: WILLIAMS PRODUCTION COMPANY, LLC

API: 30-039-21758

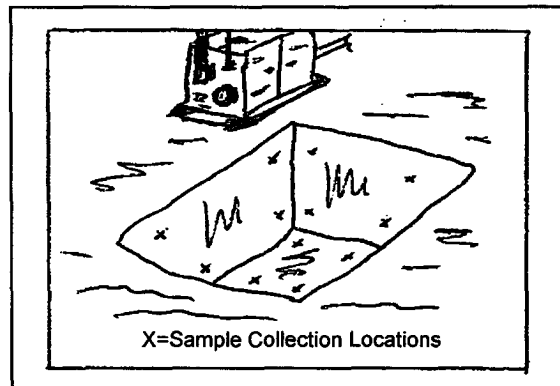
Well Name: ROSA UNIT #066

Meter: 85117

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 28 Ft.

Width 25 Ft.

Depth 4 Ft.

Location of Pit Center

Latitude 36.89786

Longitude -107.42049

(NAD 1927)

Pit ID

851171

Pit Type

Separator

Date Closure Started: 11/24/03

Date Closure Completed: 11/24/03

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 56

Vertical Extent of Equipment Reached ? ☐

Description Of Closure Action:

Contaminated soil was removed and treated then returned to the excavation following sampling of the walls and floor.

BEDROCK limited vertical excavation and/or prevented sampling. This condition limits deleterious environmental effects.

Pit Closure Sampling:

Sample ID	Sample Date	Head Space	BTEX Total (mg/kg)	Benzene (mg/kg)	TPH DRO (mg/kg)	Purpose	Location	Depth
122814JUN02	6/14/02		0.67	0	41000	ASSESS		1
152324NOV03	11/24/03		0.2	0	4200	EX Confirm	Flr	5
154924NOV03	11/24/03		0	0	120	EX Confirm	Walls	4

Lab Project Number: 6059963
Client Project ID: NM Pit Assessments

Lab Sample No: 605213404 Project Sample Number: 6059963-003 Date Collected: 06/14/02 12:28
Client Sample ID: 122814JUN02 Matrix: Soil Date Received: 06/20/02 16:52

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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GC Semivolatiles

Total Extractable Hydrocarbons Prep/Method: OA2 / OA2

Mineral Spirits	ND	mg/kg	260	06/27/02 11:49	WAW			
Jet Fuel	ND	mg/kg	260	06/27/02 11:49	WAW			
Kerosene	ND	mg/kg	260	06/27/02 11:49	WAW			
Diesel Fuel	41000	mg/kg	260	06/27/02 11:49	WAW	68334-30-5		
Fuel Oil	ND	mg/kg	260	06/27/02 11:49	WAW	68334-30-5		
Motor Oil	ND	mg/kg	260	06/27/02 11:49	WAW			
n-Tetracosane (S)	0	%		06/27/02 11:49	WAW	646-31-1	1	
p-Terphenyl (S)	0	%		06/27/02 11:49	WAW	92-94-4		
Date Extracted				06/21/02				

Organics Prep

Percent Moisture	Method:				
Percent Moisture	23.5	%		06/25/02	MIM

GC Volatiles

Aromatic Volatile Organics

Prep/Method: EPA 5030 Medium Soil / EPA 8021

Benzene	ND	ug/kg	64.	06/21/02 23:10	SHF	71-43-2		
Ethylbenzene	ND	ug/kg	64.	06/21/02 23:10	SHF	100-41-4		
Toluene	410	ug/kg	64.	06/21/02 23:10	SHF	108-88-3		
Xylene (Total)	260	ug/kg	160	06/21/02 23:10	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	127	%		06/21/02 23:10	SHF	98-08-8	2	

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6077078
Client Project ID: N.M. Pit Program

Lab Sample No: 606641553 Project Sample Number: 6077078-002 Date Collected: 11/24/03 15:23
Client Sample ID: 152324NOV03 Matrix: Soil Date Received: 12/03/03 09:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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GC Semivolatiles

Total Extractable Hydrocarbons Prep/Method: OA2 / OA2

Mineral Spirits	ND	mg/kg	11.		1.1 12/04/03 22:13	RMN1			
Jet Fuel	ND	mg/kg	11.		1.1 12/04/03 22:13	RMN1			
Kerosene	ND	mg/kg	11.		1.1 12/04/03 22:13	RMN1			
Diesel Fuel	4200	mg/kg	11.		1.1 12/04/03 22:13	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 12/04/03 22:13	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 12/04/03 22:13	RMN1			
n-Tetracosane (S)	115	%			1.0 12/04/03 22:13	RMN1	646-31-1		
p-Terphenyl (S)	161	%			1.0 12/04/03 22:13	RMN1	92-94-4	2	
Date Extracted	12/04/03				12/04/03				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 13.2 % 1.0 12/04/03 PLH

GC Volatiles

Aromatic Volatile Organics Prep/Method: EPA 5030 Medium Soil / EPA 8021

Benzene	ND	ug/kg	58.		1.1 12/08/03 13:14		71-43-2		
Ethylbenzene	ND	ug/kg	58.		1.1 12/08/03 13:14		100-41-4		
Toluene	ND	ug/kg	58.		1.1 12/08/03 13:14		108-88-3		
Xylene (Total)	200	ug/kg	150		1.1 12/08/03 13:14		1330-20-7		
a,a,a-Trifluorotoluene (S)	103	%			1.0 12/08/03 13:14		98-08-8		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6077078
Client Project ID: N.M. Pit Program

Solid results are reported on a dry weight basis

Lab Sample No: 606641546 Project Sample Number: 6077078-001 Date Collected: 11/24/03 15:49
Client Sample ID: 154924NOV03 Matrix: Soil Date Received: 12/03/03 09:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles									
Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	12.		1.2 12/04/03 21:25	RMN1			
Jet Fuel	ND	mg/kg	12.		1.2 12/04/03 21:25	RMN1			
Kerosene	ND	mg/kg	12.		1.2 12/04/03 21:25	RMN1			
Diesel Fuel	ND	mg/kg	12.		1.2 12/04/03 21:25	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.		1.2 12/04/03 21:25	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	12.		1.2 12/04/03 21:25	RMN1			
Total Petroleum Hydrocarbons	120	mg/kg	12.		1.2 12/04/03 21:25	RMN1		1	
n-Tetracosane (S)	83	%			1.0 12/04/03 21:25	RMN1	646-31-1		
p-Terphenyl (S)	122	%			1.0 12/04/03 21:25	RMN1	92-94-4		
Date Extracted	12/04/03				12/04/03				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	16.3	%			1.0 12/04/03	PLH			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	60.		1.2 12/08/03 12:44		71-43-2		
Ethylbenzene	ND	ug/kg	60.		1.2 12/08/03 12:44		100-41-4		
Toluene	ND	ug/kg	60.		1.2 12/08/03 12:44		108-88-3		
Xylene (Total)	ND	ug/kg	150		1.2 12/08/03 12:44		1330-20-7		
a,a,a-Trifluorotoluene (S)	100	%			1.0 12/08/03 12:44		98-08-8		

REPORT OF LABORATORY ANALYSIS

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