

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 ☐

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

Operator: Merrion Oil & Gas Telephone: (505)324-5326 e-mail address: cdinning@merrion.bz
Address: 610 Reilly Ave., Farmington, NM 87401
Facility or well name: Canyon Largo Unit No. 325 API #: 30-039-23315 U/L or Qtr/Qtr sw/ne Sec 33 T 25N R 6W
County: Rio Arriba 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 279 bbl 14' X 14' X 8' (Size estimated)

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)

10

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: Pit location is approximately 40° south of west, 68' from the wellhead.

Originally treated pit in place, then dug out contaminated soil and land farmed. The pit tested clean (lab analysis attached) in December 2002.

The land farm tested clean (lab analysis attached) September 2005.

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: December 20, 2005

Printed Name/Title Connie Dinning/ Production Engineer Signature [Signature]

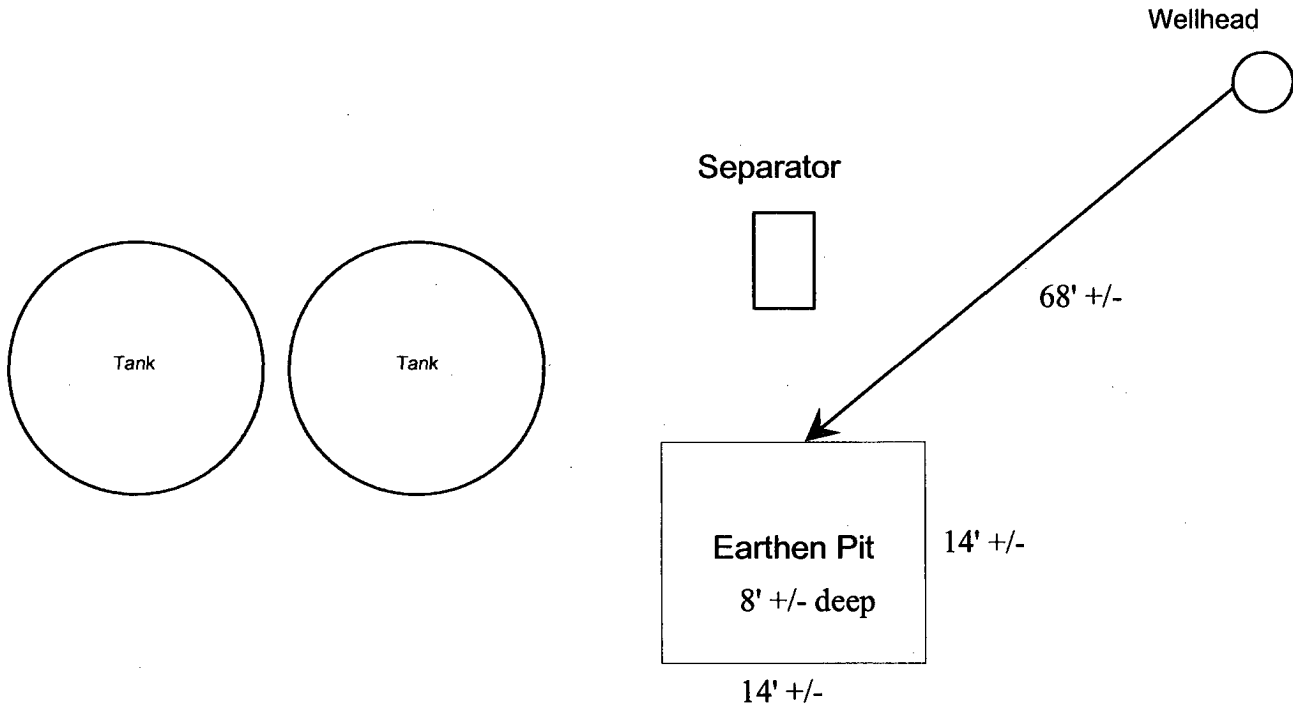
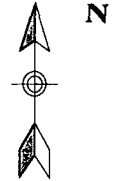
Your certification and NMOCD approval of this application/closure does not relieve the operator or liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with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

Approval: DEPUTY OIL & GAS INSPECTOR, DIST. 2
Printed Name/Title _____

Signature [Signature] Date: DEC 22 2005

MERRION OIL & GAS
Pit Location Diagram

Canyon Largo Unit #325



This sketch is to provide relative positioning information only, it is not drawn to scale

Well: Canyon Largo Unit #325
Location: sw/ne, Sec 33, T25N, R6W
Rio Arriba County, New Mexico
Drawn by: CSD
Date: December 20, 2005

Client: Merrion Oil & Gas
Project: TPH 8015
Sample ID: CLU 325 PIT #1
Lab ID: 0302W05092
Matrix: Soil
Condition: Cool/Intact

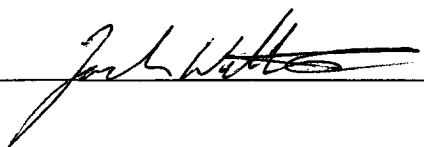
Date Reported: 12/20/02
Date Sampled: 12/09/02
Date Received: 12/10/02
Date Extracted: 12/10/02
Date Analyzed: 12/11/02

Parameter	Analytical Result	PQL	MCL	Units
TPH - METHOD 8015M				
Gasoline Range Organics(C6-C10)	<10	10		mg/Kg
Diesel Range Organics (C10 - C22)	<10	10		mg/Kg
Total Petroleum Hydrocarbons (C6-C22)	<10	10		mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	99	50 - 150

Reference: Method 8015AZ, C10 - C32 Hydrocarbons in Soil, Arizona Department of Health Services, Revision - 1.0, 09/25/98.

Reviewed By: _____



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

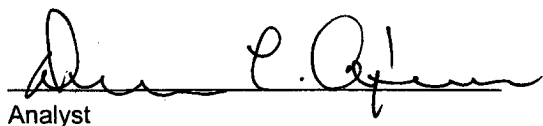
Client:	Merrion Oil	Project #:	03048009
Sample ID:	CLU 325 Middle	Date Reported:	09-29-05
Laboratory Number:	34488	Date Sampled:	09-27-05
Chain of Custody No:	14837	Date Received:	09-27-05
Sample Matrix:	Soil	Date Extracted:	09-28-05
Preservative:	Cool	Date Analyzed:	09-29-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

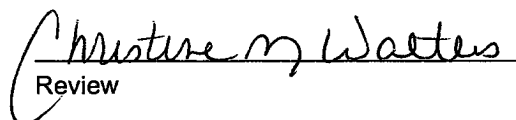
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Merrion Oil Landfarms.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Merrion Oil	Project #:	03048-009
Sample ID:	CLU 325 Side	Date Reported:	09-29-05
Laboratory Number:	34487	Date Sampled:	09-27-05
Chain of Custody:	14837	Date Received:	09-27-05
Sample Matrix:	Soil	Date Analyzed:	09-29-05
Preservative:	Cool	Date Extracted:	09-28-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	14.0	1.7
Ethylbenzene	2.3	1.5
p,m-Xylene	2.7	2.2
o-Xylene	ND	1.0
Total BTEX	19.0	

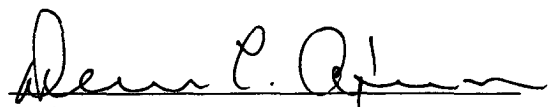
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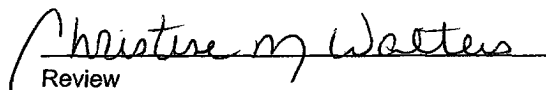
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Merrion Oil Landfarms.


Analyst


Review

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Merrion Oil	Project #:	03048-009
Sample ID:	CLU 325 Middle	Date Reported:	09-29-05
Laboratory Number:	34488	Date Sampled:	09-27-05
Chain of Custody:	14837	Date Received:	09-27-05
Sample Matrix:	Soil	Date Analyzed:	09-29-05
Preservative:	Cool	Date Extracted:	09-28-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

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

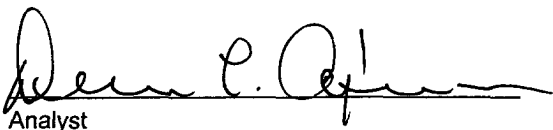
ND - Parameter not detected at the stated detection limit.

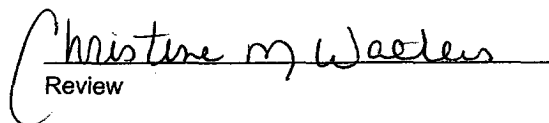
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	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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