<u>'District I</u> 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

Printed Name/Title_

State of New Mexico **Energy Minerals and Natural Resources**

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

Form C-144 June 1, 2004

office

	anta i c, 14141 67303		the state of the s
Pit or Below-Gra	de Tank Registration or Closus	re	
	k covered by a "general plan"? Yes 🛛 No		
Type of action: Registration of a pit of	or below-grade tank 🔲 Closure of a pit or below-grade	de tank 🗵	
Operator: Merrion Oil & Gas Teleph	one: <u>(505)324-5326</u> e-mail address: <u>cdinnin</u>	ng@merrion hz	
	C-main address.	ig@merron.uz	
Facility or well name: Canada Mesa 2E API #: 30-039-22118		T 24N R 6W	
County: Rio Arriba Latitude Longitude	•		7 Indian [7]
County. Nio Funda Lamade Longitude	TVID. 1921 El 1905 El Ballace Owner Pe	State [] Tilvate [
Pit	Below-grade tank		
Type: Drilling Production Disposal	Volume:bbl Type of fluid:		
Workover ☐ Emergency ☐	Construction material:		
Lined Unlined 🛛	Double-walled, with leak detection? Yes If not	. explain why not.	
Liner type: Synthetic Thickness mil Clay		, ,	
Pit Volume 89 bbl 10' X 10' X 5'			
	Less than 50 feet	(20 points)	
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)	
water elevation of ground water.) Estimate greater than 50', no data	100 feet or more	(0 points)	10
	Yes We do not know at this point, we have	(o points)	
Wellhead protection area: (Less than 200 feet from a private domestic	been unable to access the State Engineer website	(20 points)	
water source, or less than 1000 feet from all other water sources.)	No	(0 points)	0
		(00 :	
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)	
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	(0 points)	20
	Ranking Score (Total Points)		30
If this is a pit closure: (1) attach a diagram of the facility showing the pit's	relationship to other equipment and tanks. (2) Indica	te disposal location: (check	the onsite box if
your are burying in place) onsite \(\square\) offsite \(\square\) If offsite, name of facility_	(3) Attach a general description of remedia	l action taken including rem	ediation start date
and end date. (4) Groundwater encountered: No 🛛 Yes 🔲 If yes, show de		h sample results. (5) Attach	
and a diagram of sample locations and excavations.	par solow ground surfaceit. and acade	in sample results. (5) retuel	Son sample results
	11 200 1 6 1	19500	
Additional Comments: The pit was located about 123' from the wellhead	, roughly 20° east of south.	(1/2)	
	<u> </u>	· ()	
	JAN 2	006	
		\(\tilde{	
		1V. 63	
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines , Date: January 17, 2006	a general permit □, or an (attached) alternative (e above-described pit or be ICB-approved plan .	low-grade tank has
Printed Name/Title Connie Dinning/ Production Engineer Signatur	e (SD		
Your certification and NMOCD approval of this application/closure does no otherwise endanger public health or the environment. Nor does it relieve the regulations.			
Approval: OFFUTY CR. & GAS INSPECTOR, ONST. A.		9400	

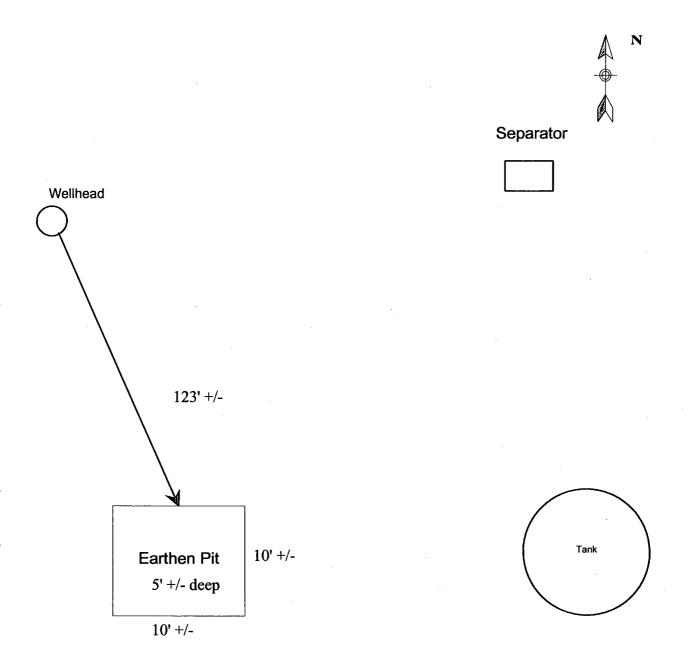
Canada Mesa No. 1E Pit Closure, Case Narrative January 17, 2006

The unlined earthen pit was treated in place with fertilizer and air vent tubes on October 24, 1994.

Test holes were dug with a backhoe on January 4, 2006. We anticipated that we would remove contaminated soil and haul it to a landfarm. Samples were collected at various depths for testing with the OVM. The meter indicated zero organic vapor for all the samples. Further samples were then collected for lab analysis. The side sample composite was collected at a depth of about 4' from each of the sides of the pit, and a sample was collected from the bottom of the pit at a depth of about 6'. Lab results are attached. TPH was non detect for the lab samples. Benzene was non detect, and the highest total BTEX was 178.8 μ g/Kg from the composite side sample.

The test holes were backfilled, the plastic air tubes were removed and the surface of the pit was recontoured.

MERRION OIL & GAS Pit Location Diagram Canada Mesa No. 1E



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

Well: Canada Mesa No. 1E

Location: ne/nw, Sec 24, T24N, R6W

Rio Arriba County, New Mexico

Drawn by: CSD

Date: January 17, 2006



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Merrion	Project #:	03048-09
Sample ID:	Bottom Pit 1E	Date Reported:	01-06-06
Laboratory Number:	35641	Date Sampled:	01-04-06
Chain of Custody No:	15303	Date Received:	01-05-06
Sample Matrix:	Soil	Date Extracted:	01-05-06
Preservative:	Cool	Date Analyzed:	01-06-06
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

NDi- 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:

Canadá Mesa 1E.

Analyst P. Opening

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Review



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Merrion	Project #:	03048-09
Sample ID:	Wall Comp 1E	Date Reported:	01-06-06
Laboratory Number:	35642	Date Sampled:	01-04-06
Chain of Custody No:	15303	Date Received:	01-05-06
Sample Matrix:	Soil	Date Extracted:	01-05-06
Preservative:	Cool	Date Analyzed:	01-06-06
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:

Canadá Mesa 1E.

Analyst

Mistere n Walter Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Merrion	Project #:	03048-009
Sample ID:	Bottom Pit 1E	Date Reported:	01-06-06
Laboratory Number:	35641	Date Sampled:	01-04-06
Chain of Custody:	15303	Date Received:	01-05-06
Sample Matrix:	Soil	Date Analyzed:	01-06-06
Preservative:	Cool	Date Extracted:	01-05-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
	Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	1.8	
Toluene	31.6	1.7	
Ethylbenzene	2.7	1.5	
p,m-Xylene	51.0	2.2	
o-Xylene	13.5	1.0	
Total BTEX	98.8		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
î	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:

Canadá Mesa 1E.

Analyst P. Oylenew

Mistare m Watter



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Merrion	Project #:	03048-009
Sample ID:	Wall Comp 1E	Date Reported:	01-06-06
Laboratory Number:	35642	Date Sampled:	01-04-06
Chain of Custody:	15303	Date Received:	01-05-06
Sample Matrix:	Soil	Date Analyzed:	01-06-06
Preservative:	Cool	Date Extracted:	01-05-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Larameter	(ug/Ng/	(ug/Ng)
Benzene	ND	1.8
Toluene	19.5	1.7
Ethylbenzene	74.2	1.5
p,m-Xylene	61.5	2.2
o-Xylene	22.6	1.0
Total BTEX	178	

ND - Parameter not detected at the stated detection limit.

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:

Canadá Mesa 1E.

Analyst P. Oglania

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