

Denny ROUST

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State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE
DEPUTY OIL & GAS INSPECTOR

Denny ROUST
DEPUTY OIL & GAS INSPECTOR

OCT 20 1995

PIT REMEDIATION AND CLOSURE REPORT

Operator: Merrion Oil & Gas Corporation Telephone: (505) 327-9801

Address: PO Box 840, Farmington, NM 87499

Facility Or: Canyon Largo Unit #311
Well Name

Location: Unit or Qtr/Qtr Sec F Sec 3 T 24N R 6W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 30', width 30', depth 5'
Attach diagram)

Reference: wellhead X, other

Footage from reference: 75'

Direction from reference: 0 Degrees East North
of
 West South X

Depth To Ground Water:

(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 20

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

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Yes (20 points)
No (0 points) 0

Distance To Surface Water:

Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 4-20-94

Dated Completed: 4-26-94

Remediation Method: Excavation ☒

Approx. cubic yards 100

(Check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation

Other

Remediation Location: Onsite ☒ Offsite

(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Excavated approx. 100 cubic yards of

obviously contaminated soil, landfarmed soil. Took composit wall and bottom sample of

excavated pit to laboratory. Installed new 40 bbl steel double wall/bottom tank in same

location as old pit.

Ground Water Encountered:

No ☒

Yes

Depth

Final Pit:

Sample location Composit wall and bottom

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth wall 6', bottom 12'

Sample date 4-26-94

Sample time 1:00

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.087

Field headspace(ppm)

TPH 27 ppm

Ground Water Sample: Yes ☒ No ☐ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 6-10-94

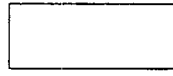
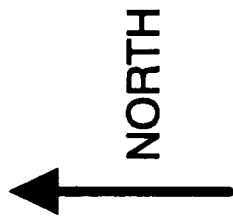
SIGNATURE

Margi Sullivan

PRINTED NAME
AND TITLE

Margi Sullivan
Engineering Technician

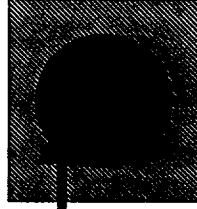
CANYON LARGO UNIT #311 LOCATION DIAGRAM



SEPARATOR
LANDFARMED SOIL



OLD EARTHEN PIT



Sample #1

NEW STEEL PIT
installed in same location



TOTAL PETROLEUM HYDROCARBONS

EPA METHOD 418.1

Composit soil sample of walls & bottom
Merrion Oil and Gas after excavation

Project: CLU #311 & CLU #185
Matrix: Soil
Condition: Intact/Cool

Date Reported: 05/14/94
Date Sampled: 04/25-26/94
Date Received: 04/26/94
Date Extracted: 05/12/94
Date Analyzed: 05/13/94

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
→ CLU 311 #1	G00303	27 OK	20
CLU 185 #1	G00304	16,500	500
CLU 185 #2	G00305	6,500	500
CLU 185 #3	G00306	20,000	500

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Sept. 1986.

Analyst: Austin Good

Reviewed: mh

VOLATILE AROMATIC HYDROCARBONS

Merrion Oil and Gas

Project ID: CLU #311 & CLU #185
Sample ID: → CLU #311 #1
Lab ID: G00303
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 05/16/94
Date Sampled: 04/26/94
Date Received: 04/26/94
Date Extracted: 05/03/94
Date Analyzed: 05/07/94

Clear

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND <i>OK</i>	10
Toluene	32	10
Ethylbenzene	ND	10
m,p-Xylenes	40	10
o-Xylene	15	10

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	107.2	74 -121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:

Antonia
Analyst

mk
Review