

Denny House

**District I**

P.O. Box 1980, Hobbs, NM

**District II**

P.O. Drawer DD, Artesia, NM 88211

**District III**

0 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

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

*Denny House*  
**DEPUTY OIL & GAS INSPECTOR**

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

OCT 20 1995

**PIT REMEDIATION AND CLOSURE REPORT**

**Operator:** Merrion Oil & Gas Corporation

**Telephone:** (505) 327-9801

**Address:** P.O. Box 840, Farmington, NM 87499

**Facility Or:** Canada Mesa #4E Dakota

**Well Name**

**Location:** Unit or Qtr/Qtr Sec F Sec 10 T 24N R 6W County Rio Arriba

**Pit Type:** Separator X Dehydrator    Other   

**Land Type:** BLM   , State   , Fee X, Other   

**Pit Location:** Pit dimensions: length 15', width 15', depth 3'

Attach diagram)

**Reference:** wellhead X, other   

**Footage from reference:** 100'

**Direction from reference:** 45 Degrees    East North X  
of  
X West South   

**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)

**RECEIVED**  
JUN 14 1994

**OIL CON. DIV.**  
**DIST. 3**

Yes (20 points) 0  
No (0 points)   

**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: 5-6-94 Dated Completed: 5-6-94

Remediation Method: Excavation X Approx. cubic yards 30  
(Check all appropriate sections) Landfarmed      Insitu Bioremediation       
Other Composted with manure

Remediation Location: Onsite X Offsite       
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Excavated approx. 30 cubic yard of  
contaminated soil, composted on location with manure. Took composit wall and bottom  
sample to lab for TPH analysis, sample gave OVM reading of 82 ppm. Installed new 40 bbl  
steel double wall/bottom in same location as old pit.

Ground Water Encountered: No X 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 5', bottom 10'

Sample date 5-6-94 Sample time 2:10

Sample Results

Benzene(ppm)     

Total BTEX(ppm)     

Field headspace(ppm) 82

TPH ND

Ground Water Sample: Yes      No X 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 6-13-94

SIGNATURE

*Margi Sullivan*

PRINTED NAME  
AND TITLE

Margi Sullivan  
Engr. Tech.

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P.O. Box 2088

Santa Fe, New Mexico 87504-2088

*Jenny E. Faust*  
DEPUTY OIL & GAS INSPECTOR

OCT 20 1995

**PIT REMEDIATION AND CLOSURE REPORT****Operator:** Merrion Oil & Gas Corporation**Telephone:** (505) 327-9801**Address:** P.O. Box 840, Farmington, NM 87499**Facility Or:** Canada Mesa #4E Gallup**Well Name****Location:** Unit or Qtr/Qtr Sec F Sec 10 T 24N R 6W County Rio Arriba**Pit Type:** Separator X Dehydrator      Other     **Land Type:** BLM     , State     , Fee X, Other     **Pit Location:** Pit dimensions: length 15', width 15', depth 4'  
(Attach diagram)**Reference:** wellhead X, other     **Footage from reference:** 100'**Direction from reference:** 30 Degrees X East North X  
of  
     West South     **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)**RECEIVED**  
JUN 14 1994Yes (20 points)  
No (0 points) 0**OIL CON. DIV.**  
**DIST. 3****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: 5-9-94 Dated Completed: 5-9-94

Remediation Method: Excavation X Approx. cubic yards 43  
(Check all appropriate sections) Landfarmed      Insitu Bioremediation       
Other Composted with manure

Remediation Location: Onsite X Offsite       
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Excavated approx. 43 cubic yards of  
contamination, composted on location with manure. Took composit wall and bottom sample  
for headspace and TPH analysis. Installed new 40 bbl steel double wall/bottom tank in  
same location as old pit.

Ground Water Encountered: No X Yes      Depth     

Final Pit:  
Closure Sampling:  
(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)

Sample location Composit wall and bottom

Sample depth Wall 4', bottom 12'

Sample date 5-9-94

Sample time 12:00

Sample Results

Benzene(ppm)     

Total BTEX(ppm)     

Field headspace(ppm) 8

TPH ND

Ground Water Sample: Yes      No X (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 6-13-94

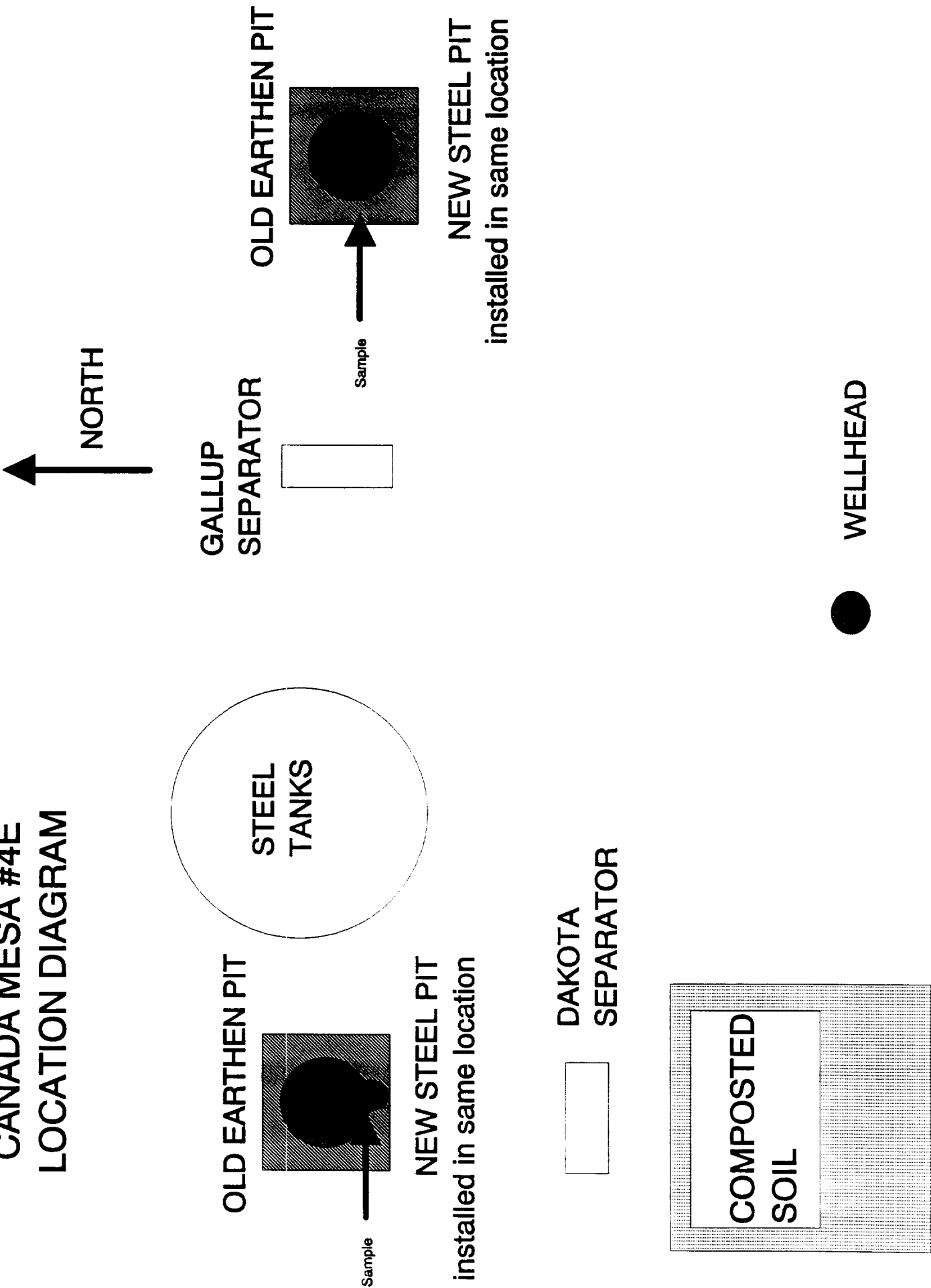
SIGNATURE

*Margi Sullivan*

PRINTED NAME  
AND TITLE

Margi Sullivan  
Engr. Tech.

CANADA MESA #4E  
LOCATION DIAGRAM



**TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1****Merrion Oil and Gas**

Project: Canada Mesa 4E  
Matrix: Soil  
Condition: Intact/Cool

Date Reported: 05/18/94  
Date Sampled: 05/06-09/94  
Date Received: 05/09/94  
Date Extracted: 05/18/94  
Date Analyzed: 05/18/94

Dakota  
Gallup

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
Canada Mesa 4E #1	G00411	ND	14
Canada Mesa 4E #2	G00412	ND	17

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, Rev. 1, July 1992.

Analyst: *[Signature]*

Reviewed: *[Signature]*