

District I  
P.O. Box 1190, Santa Fe, NM  
District II  
P.O. Box 1190, Santa Fe, NM  
88211  
District III  
1000 Rio Brazos NW, Santa Fe, NM  
87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

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

(Revised 3/9/94)

*Approved*

## PIT REMEDIATION AND CLOSURE REPORT

Operator: Conoco, Inc Telephone: 915-686-5453

Address: 10 Destra Drive, Suite 100W, Midland, TX 79705-4500

Facility Or

Well Name: Mudge Federal #6 Pit #1

Location: Unit or Qtr/Qtr Unit B Sec 32 T27N R11W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 12', width 12' depth 3'  
(Attach diagram)

Reference: wellhead ☒ other ☐

Footage from reference: 55'

Direction from reference: 10 Degrees ☐ East North ☐  
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)

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 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): 0

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: **Larry Trujillo**  
Company: **On Site Technologies, Ltd. c/o Conoco**  
Address: **612 E. Murray Drive**  
City, State: **Farmington, NM 87401**

Date: **11-Jun-97**  
COC No.: **6395**  
Sample No.: **14829**  
Job No.: **4-1367**

Project Name: **Conoco - Mudge Federal #6**  
Project Location: **Mudge #6; Pit#1**  
Sampled by: **LT**  
Analyzed by: **DC/HR**  
Sample Matrix: **Soil**

Date: **4-Jun-97** Time: **11:56**  
GRO Date: **6-Jun-97**  
DRO Date: **6-Jun-97**

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Gasoline Range Organics (C5 - C9)	ND	mg/kg	0.5	mg/kg
Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

GRO QC No.: 0537-STD

DRO QC No.: 0548-STD


#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Gasoline Range (C5 - C9)	ND	ppb	1,351	1,227	9.6	15%
Diesel Range (C10 - C28)	ND	ppm	100	106	5.6	15%

#### Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Gasoline Range (C5-C9)	77	83	(80-120)	8	20%
Diesel Range (C10-C28)	76	89	(84-118)	15	20%

Method: SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:   
Date: **6/11/97**

P.O. BOX 2606 • FARMINGTON, NM 87499



District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM  
88211  
District III  
1000 Rio Brazos Rd, Aztec, NM  
87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088

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(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Conoco, Inc Telephone: 915-686-5453

Address: 10 Destra Drive, Suite 100W, Midland, TX 79705-4500

Facility Or

Well Name: Mudge Federal #6 Pit #2

Location: Unit or Qtr/Qtr Unit B Sec 32 T27N R11W County San Juan

Pit Type: Separator      Dehydrator X Other     

Land Type: BLM X State      Fee      Other     

Pit Location: Pit dimensions: length 12' width 12' depth 3'  
(Attach diagram)

Reference: wellhead X other     

Footage from reference: 100'

Direction from reference: 10 Degrees X East North       
of  
     West South     

Depth To Ground Water:	Less than 50 feet	(20 points)
(Vertical distance from	50 feet to 99 feet	(10 points)
contaminants to seasonal	Greater than 100 feet	(0 points)
high water elevation of		
ground water)	<u>0</u>	

Wellhead Protection Area:	Yes	(20 points)
(Less than 200 feet from a private	No	(0 points)
domestic water source, or; less than		
1000 feet from all other water sources)	<u>0</u>	

Distance To Surface Water:	Less than 200 feet	(20 points)
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points)
irrigation canals and ditches)	<u>0</u>	

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards \_\_\_\_\_  
(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: Samples were taken from the center, northwest and northeast sidewall of pit. PID reading for each sample were S-1 center of pit 21.2 ppm and S-2 northwest side 15.9 ppm southeast side 17.9 ppm. Samples were split, composited and placed in a clean jar with Teflon® closure and transported to laboratory for TPH analysis. Laboratory results showed Non-Detect for TPH. Site rehab done on 9/16/97

Ground Water Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: Sample location: 3 point composite sample

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

Sample depth: 3.5 feet below bottom pit

Sample date 6/4/1997

Sample time 1203

Sample Results

Benzene (ppm)

Total BTEX (ppm)

Field headspace (ppm)

TPH ND

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 2/4/98

SIGNATURE Shirley L. Ebert

PRINTED NAME  
AND TITLE

Shirley L. Ebert SHATE Specialist

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: **Larry Trujillo**  
Company: **On Site Technologies, Ltd. c/o Conoco**  
Address: **612 E. Murray Drive**  
City, State: **Farmington, NM 87401**

Date: **11-Jun-97**  
COC No.: **6395**  
Sample No.: **14830**  
Job No.: **4-1367**

Project Name: **Conoco - Mudge Federal #6**  
Project Location: **Mudge #6; Pit#2**  
Sampled by: **LT**  
Analyzed by: **DC/HR**  
Sample Matrix: **Soil**

Date: **4-Jun-97** Time: **12:03**  
GRO Date: **6-Jun-97**  
DRO Date: **6-Jun-97**

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
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Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

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Method: SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:   
Date: **6/11/97**

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## CHAIN OF CUSTODY RECORD

15-636

Page 1 of 1

**TECHNOLOGIES, LTD.**

[illegible]

Distribution: White – On Site      Yellow – LAB      Pink – Sampler      Goldenrod – Client