

Henry E. Foust
District Office
P.O. Box 1980, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR

P.O. Drawer DD, Artesia, NM 88211
District JUN 23 1998
1000 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

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

(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 #2 Pit #1

Location: Unit or Qtr/Qtr Unit G Sec 29 T27N R11W County San Juan

Pit Type: Separator Dehydrator X Other

Land Type: BLM X State Fee Other

Pit Location: Pit dimensions: length 10', width 10' depth 3'
(Attach diagram)

Reference: wellhead , other Meter House

Footage from reference: 450'

Direction from reference: Degrees East North
of
 West South X

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

RECEIVED
FEB - 9 1998

OIL CON. DIV.
DIST. 3

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

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: Two samples were taken from the center and south side wall of pit 3 feet below original bottom. Samples were split, composited and placed into a clean jar with a Teflon® closure. PID reading for the sample was 1212.0 ppm. Sample was transported to laboratory for TPH analysis, lab results were total TPH of 1309.0 ppm. Pit covered during site rehab on 9/16/97

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location: 2 point composite center and south sidewall of pit

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

Sample depth: 3 feet below pit bottom

Sample date: 6/4/97

Sample time: 1228

Sample Results

Benzene (ppm) 0.154

Total BTEX (ppm) 9.36

Field headspace (ppm) 1212.0

TPH 1309.0 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 2/4/98

SIGNATURE Shirley L. Ebert

PRINTED NAME
AND TITLE

Shirley L. Ebert SHEAR 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.: *6393*
Sample No.: *14831*
Job No.: *4-1368*

Project Name: *Conoco - Mudge Federal #2*
Project Location: *Mudge #2; Pit#1, Sample #1*
Sampled by: *LT* Date: *4-Jun-97* Time: *12:28*
Analyzed by: *DC/HR* GRO Date: *6-Jun-97*
Sample Matrix: *Soil* DRO Date: *6-Jun-97*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<i>284</i>	<i>mg/kg</i>	<i>25.0</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>1025</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

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
<i>Gasoline Range (C5 - C9)</i>	<i>ND</i>	<i>ppb</i>	<i>1,351</i>	<i>1,227</i>	<i>9.6</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>100</i>	<i>106</i>	<i>5.6</i>	<i>15%</i>

Matrix Spike

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

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

Approved by: *[Signature]*
Date: *6/11/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- FIGHTING FOR A CLEANER ENVIRONMENT WITH THE ENVIRONMENT -

OFF: (505) 325-5667

ON SITE

TECHNOLOGIES, LTD.

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: *10-Jun-97*
COC No.: *6393*
Sample No.: *14831*
Job No.: *4-1368*

Project Name: *Conoco - Mudge Federal #2*
Project Location: *Mudge #2 Pit #1; Sample #1*
Sampled by: *LT*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *4-Jun-97* Time: *12:28*
Date: *5-Jun-97*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	<i>154</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>1336</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>1265</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>6152</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>455</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>9362</i>	<i>ug/kg</i>		

ND - Not Detected at Limit of Quantitation

Method - *SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography*

Approved by: *[Signature]*
Date: *6/10/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
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District I
P.O. Box 1980, Hobbs, NM
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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 #2 Pit #2

Location: Unit or Qtr/Qtr Unit G Sec 29 T27N R11W County San Juan

Pit Type: Separator Dehydrator X Other

Land Type: BLM X, State , Fee , other

Pit Location: Pit dimensions: length 14', width 14', Depth 3'
(Attach diagram)

Reference: wellhead , other Pit # 1

Footage from reference: 100'

Direction from reference: 65 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)
<u>0</u>	

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)
<u>0</u>	

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)
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RANKING SCORE (TOTAL POINTS):

0

Date Remediation Started: _____ Date Completed: _____

Remediation Method: Excavation _____ Approx. cubic yards _____
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
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Remediation Location: Onsite _____ Offsite _____
(ie. landfarmed onsite,
name and location of
offsite facility) _____

General Description Of Remedial Action: Two samples were taken from the center and south sidewall of pit 3 feet below original bottom. Samples were split, composited and placed into a clean jar with a Teflon® closure. Sample was transported to laboratory for TPH analysis, lab results for TPH was non-detect. Site was rehab on 9/16/97.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location : two point composite sample of center and south sidewall of pit
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth: 3 feet below pit bottom
Sample date: 6/4/97 Sample time: 1230

Sample Results:

Benzene (ppm)

Total BTEX (ppm)

Field headspace (ppm)

TPH non-detect

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 Shear Spec.

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.: *6393*
Sample No.: *14832*
Job No.: *4-1368*

Project Name: *Conoco - Mudge Federal #2*
Project Location: *Mudge #2; Pit#2, Sample #1*
Sampled by: *LT* Date: *4-Jun-97* Time: *12:30*
Analyzed by: *DC/HR* GRO Date: *6-Jun-97*
Sample Matrix: *Soil* DRO Date: *6-Jun-97*

Laboratory Analysis

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

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

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Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
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Matrix Spike

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

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

Approved by: *[Signature]*
Date: *6/11/97*

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• TELEPHONE: 313-0000 • FAX: 313-0001 • CIRCLE 10 ON READER SERVICE CARD

CHAIN OF CUSTODY RECORD

3930

Date: 11/11

Page 1 of 1

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[illegible]

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