

**District I**

P.O. Box 1980, Hobbs, NM

State of New Mexico

Energy, Minerals and Natural Resources Department

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

**District II**

P.O. Drawer DD, Mesia, NM 88211

**DEPUTY OIL & GAS INSPECTOR**

1000 Rio Brazos Rd, Aztec, NM 87410

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

(Revised 3/9/94)

JUN 16 1997

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: D.J. Simmons Company LTD.

Telephone: 505-326-3753

Address: 3005 Northridge, Suite L, Farmington, NM 87401

Facility Or: *L.V. Hammer* ~~Simmons B-1A~~

Well Name

Location: Unit or Qtr/Qtr Sec J Sec 29 T-29-N R-9-W County San JuanPit Type: Separator        Dehydrator        Other Tank Drain Pit & On Site LandfarmLand Type: BLM X, State       , Fee       , Other       

Pit Location: dimensions: length 12', width 13',  
depth 9'  
(Attach diagram)

Reference: wellhead X, other       Footage from reference: 111

Direction from reference: 58 Degrees X 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) <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>

**RECEIVED**  
DEC 30 1996  
**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) <u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: November 8, 1996 Date Completed: November 13, 1996

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards 50

(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:** On November 8, 1996, the old earthen tank drain pit (see site plan) was dug to a depth of 9 feet at which point, bed rock was encountered. Approximately 50 cy/yd of contaminated soil was excavated and landfarmed on the southeast corner of the location. No discolored soil was remaining on any of the four walls nor the bottom. Clean soil was placed back into the pit and the contaminated soil was spread approx. one foot thick and tilled. On November 13, 1996, a 5 point composite soil sample was taken for TPH (8015) AND BTEX (8020). Results of these analyses resulted in a TPH of 3890 PPM and BTEX of 40 PPM with Benzene total of .13 PPM. The original tank drain pit was located on the north side of the existing 210 BBL tank (see site diagram attached).

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

Final Pit: Sample location Landfarm on site

Closure Sampling:

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

Laboratory analyses attached

Sample depth 12 inches

Sample date November 13, 1996 Sample time 1425 Hours

Sample Results

Benzene (ppm) .13

Total BTEX (ppm) 40

Field headspace (ppm) 1198

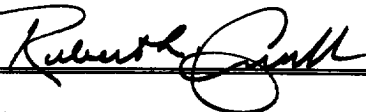
TPH 3890

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 12/30/96

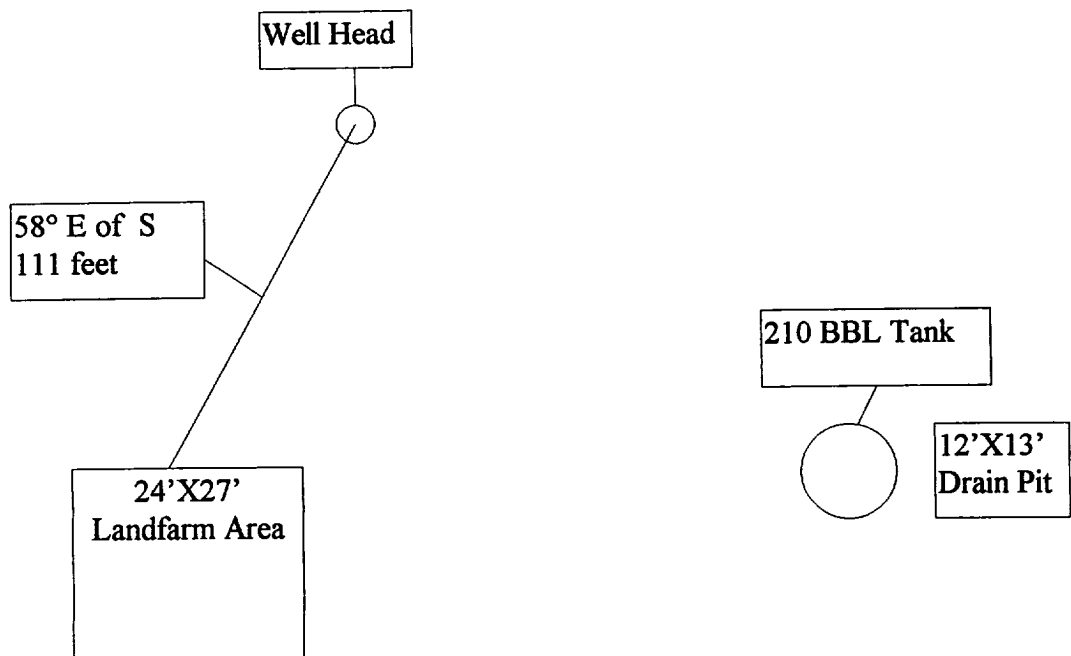
SIGNATURE



PRINTED NAME Robert Crabb/On Site Technologies  
AND TITLE Agent for D.J. Simmons Company LTD.

## Simmons B-1A Tank Drain Pit and Landfarm Site Plan

Simmons B-1A, Unit J, Section 29, T-29-N, R-9-W, San Juan County, New Mexico



OFF: (505) 325-5667



LAB: (505) 325-1556

**TPH - Gasoline / Diesel Range Organics**

Attn: **Bobby Crabb**  
 Company: **On Site Technologies, Ltd.**  
 Address: **612 E. Murray Drive**  
 City, State: **Farmington, NM 87401**

Date: **15-Nov-96**  
 COC No.: **6183**  
 Sample No. **12853**  
 Job No. **4-1316**

Project Name: **D.J. Simmons - Simmons B-1A**  
 Project Location: **Landfarm**  
 Sampled by: **RLC**  
 Analyzed by: **DC/HR**  
 Sample Matrix: **Soil**

Date: **13-Nov-96** Time: **14:35**  
 Date: **14-Nov-96**

**Laboratory Analysis**

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	409.9	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	3480.9	mg/kg	5.0	mg/kg
	<b>TOTAL</b>	<b>3890.8</b>		<b>mg/kg</b>

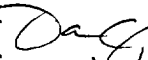
**Quality Assurance Report**GRO QC No.: **0480-STD**DRO QC No.: **0512-STD****Calibration Check**

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,455	7.8	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	100	0.1	15%

**Matrix Spike**

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	109	109	(70-130)	0	20%
Diesel Range (C10-C28)	100	104	(70-130)	3	20%

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

Approved by:   
 Date: **11/15/96**

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

### AROMATIC VOLATILE ORGANICS

Attn: **Bobby Crabb**  
Company: **On Site Technologies, Ltd.**  
Address: **612 E. Murray Drive**  
City, State: **Farmington, NM 87401**

Date: **15-Nov-96**  
COC No.: **6183**  
Sample No. **12853**  
Job No. **4-1316**


Project Name: **D.J. Simmons - Simmons B-1A**  
Project Location: **Landfarm**  
Sampled by: **RC**  
Analyzed by: **DC**  
Sample Matrix: **Soil**

Date: **13-Nov-96** Time: **14:25**  
Date: **14-Nov-96**

#### Laboratory Analysis

Component	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	137.1	ug/kg	0.2	ug/kg
Toluene	4995.0	ug/kg	0.2	ug/kg
Ethylbenzene	3143.8	ug/kg	0.2	ug/kg
m,p-Xylene	29873.8	ug/kg	0.2	ug/kg
o-Xylene	2797.4	ug/kg	0.2	ug/kg
	<b>TOTAL</b>	<b>40947.1</b>		<b>ug/kg</b>

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

Approved by:   
Date: **11/15/96**

P.O. BOX 2606 • FARMINGTON, NM 87499

- THE ONLY BUSINESS IMPROVEMENT COMPANY

OFF: (505) 325-5667



LAB: (505) 325-1556

### QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 14-Nov-96

Internal QC No.: 0515-QC

Surrogate QC No.: 0516-QC

Reference Standard QC No.: 0417-QC

#### Method Blank

Analyte	Result	Units of Measure
Average Amount of All Analytes In Blank	<0.2	ppb

#### Calibration Check

Analyte	Units of Measure	True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20.0	19.8	1	15%
Toluene	ppb	20.0	19.9	1	15%
Ethylbenzene	ppb	20.0	21.3	7	15%
m,p-Xylene	ppb	40.0	41.2	3	15%
o-Xylene	ppb	20.0	21.9	9	15%

#### Matrix Spike

Analyte	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Benzene	118	110	(39-150)	5	20%
Toluene	120	112	(46-148)	5	20%
Ethylbenzene	122	113	(32-160)	5	20%
m,p-Xylene	118	110	(35-145)	5	20%
o-Xylene	115	107	(35-145)	5	20%

#### Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered
Limit Percent Recovery	(70-130)	
12853-6183	86	

S1: Fluorobenzene

# CHAIN OF CUSTODY RECORD

6183

Date: 11.13.76

Page 7 of 7

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