

DISTRICT I

P.O. Box 780, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

FEB 20 1997

State of New Mexico  
Energy, Minerals and Natural Resources DepartmentOIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

(Revised 39/94)

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: UNOCAL

Telephone: 801-686-7604

Address: P.O. Box 760 Moab, Utah 84532

Facility Or: Rincon Unit 127 MV

Well Name

Location: Unit or Qtr/Qtr Sec NE/NE Sec 28 T 27N R 6W County Rio ArribaPit Type: Separator X Deyhdrator        Other       Land Type: BLM X, State       , Fee       , Other       Pit Location:  
(Attach diagram)Pit dimensions: Length 21', width 17', depth 3'Reference: well head       , Other SeparatorFootage from reference: 20'Direction from reference: 90 Degrees        East of North X  
X West of 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 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)	<u>0</u>

RANKING SCORE (TOTAL POINTS) : 0

Date Remediation Started: 08/09/95

Date completed: 08/09/95

Remediation Method: Excavation ☒

Approx. cubic yards 416

(Check all appropriate sections)

Landfarmed ☒

Insitu Bioramediaiton

Other

Remediation Location: Onsite ☒

Offsite

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

General Description of Remedial Action: Contaminated soil was removed to a depth of 13' where rock was encountered. Clean soil was re-filled into the pits. A double walled steel tank with leak detection was installed.

The contaminated soil was landfarmed on the Rincon Unit 127 DK/MV location.

A PIT CLOSURE APPROVAL IS REQUESTED based on the attached test results from the landfarm.

TPH = 22.2 mg/kg BTEX = 21.1 ug/mg - See attached report.

Ground Water Encountered:

No ☒

Yes

Depth

Final Pit:  
Closure Sampling:

Sample location Bottom of pit at 13' depth.

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

Sample depth 13'

Sample date 08/09/95

Sample time

Sample Results

Benzene (ppm) .0296

Total BTEX (ppm) 1.7249

Field headspace (ppm) >1927

TPH 1404 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 10/31/96

SIGNATURE

*Mike Tabet*

PRINTED NAME  
AND TITLE

Mike Tabet  
Staff HES Coordinator

OFF: (505) 325-8786



LAB: (505) 325-5667

### **TOTAL PETROLEUM HYDROCARBONS**

Attn: *Jon Little*  
Company: *On Site Technologies, Ltd.*  
Address: *657 W. Maple*  
City, State: *Farmington, NM 87401*

Date: 16-Aug-95  
COC No.: 3233  
Sample No. 7715  
Job No. 4-1228

Project Name: *Unocal Corporation*  
Project Location: *Rincon 127 Separator Pit*  
Sampled by: JL  
Analyzed by: GB  
Type of Sample: *Soil*

Date: 9-Aug-95 Time: 13:57  
Date: 15-Aug-95

#### **Laboratory Analysis**

<b>Laboratory Identification</b>	<b>Sample Identification</b>	<b>Total Petroleum Hydrocarbons</b>
7715-3233	<i>Unocal Corporation</i> <i>Rincon 127 Separator Pit</i>	1,404 mg/kg

**Method** - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *JaG*  
Date: 8/16/95

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— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —



OFF: (505) 325-8786

LAB: (505) 325-5667

**AROMATIC VOLATILE ORGANICS**

Attn: *Jon Little*  
Company: *On Site Technologies, Ltd.*  
Address: *657 W. Maple*  
City, State: *Farmington, NM 87401*

Date: *14-Aug-95*  
COC No.: *3233*  
Sample No. *7715*  
Job No. *4-1228*

Project Name: *Unocal Corporation*  
Project Location: *Rincon 127 Separator Pit*  
Sampled by: *JL* Date: *9-Aug-95* Time: *13:57*  
Analyzed by: *DC* Date: *10-Aug-95*  
Type of Sample: *Soil*

**Aromatic Volatile Organics**

<b>Component</b>	<b>Measured Concentration ug/kg</b>	<b>Detection Limit Concentration ug/kg</b>
<i>Benzene</i>	<i>29.6</i>	<i>0.2</i>
<i>Toluene</i>	<i>888.6</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>200.4</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>512.7</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>93.5</i>	<i>0.2</i>
<i>TOTAL 1724.9 ug/kg</i>		

*ND - Not Detectable*

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

Approved by: *Day*  
Date: *8/14/95*

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# ON SITE

OFF: (505) 325-8786

TECHNOLOGIES, LTD.

LAB: (505) 325-5667

## TPH - Gasoline / Diesel Range Organics

Attn: Duane Aspaas  
Company: On Site Technologies, Ltd.  
Address: 612 E. Murray Drive  
City, State: Farmington, NM 87401

Date: 13-May-96  
COC No.: 4089  
Sample No. 10876  
Job No. 4-1228

Project Name: Unocal - Rincon #127 LAND FARM  
Project Location: 10pt. Composite  
Sampled by: DA/CB Date: 10-May-96 Time: 12:01  
Analyzed by: DC Date: 13-May-96  
Sample Matrix: Soil

### Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	22.2	mg/kg	5.0	mg/kg
	TOTAL	22.2	mg/kg	

### Quality Assurance Report

GRO QC No.: 0461-STD  
DRO QC No.: 0475-STD


#### Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,351	1,179	12.8	15%
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,974	1.3	15%

#### Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	79	78	(70-130)	2	20%
Diesel Range (C10-C28)	96	96	(70-130)	1	20%

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

Approved by: 

Date: 5-13-96

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OFF: (505) 325-8786

# ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-5867

## AROMATIC VOLATILE ORGANICS

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

Date: *13-May-96*  
COC No.: *4089*  
Sample No. *10876*  
Job No. *4-1228*

Project Name: *Unocal - Rincon #127 LANDFARM*  
Project Location: *10pt. Composite*  
Sampled by: *DA/CB* Date: *10-May-96* Time: *12:01*  
Analyzed by: *DC* Date: *13-May-96*  
Sample Matrix: *Soil*

### Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	<i>1.4</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>3.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>7.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>3.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>4.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
	<i>TOTAL</i>	<i>21.1</i>		<i>ug/kg</i>

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

Approved by: *[Signature]*  
Date: *5/13/96*

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PHASE III

Pit Remediation

8-9-95

10:15

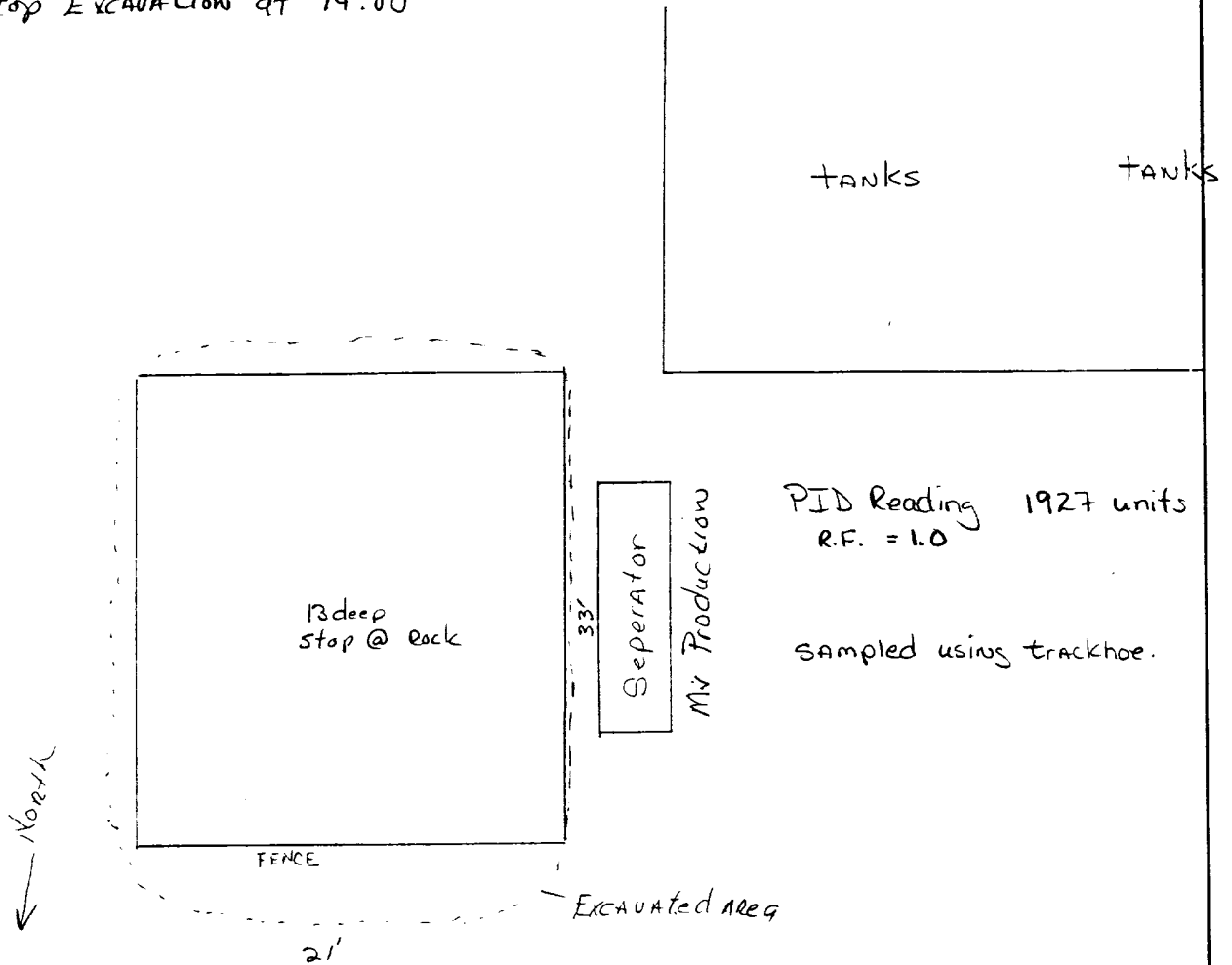
Rincon 127 Sep. Pit

Blew down MV Separator & Line

Start Excavation at 10:20

Stop Excavation at 14:00

22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



Actual Pit dimensions of excavated area. 21' X 33' X 13'

$$\begin{array}{r} 33 \\ 21 \\ \hline 33 \\ 660 \\ \hline 493 \\ \times 13 \\ \hline 2079 \\ 4938 \\ \hline 9009 \end{array}$$

$$\begin{array}{r} 333 \\ 37 \overline{) 9009} \\ \underline{8100} \\ 809 \end{array}$$

$$\begin{array}{r} 333 \\ \times 1.25 \\ \hline 1665 \\ 6660 \\ 33300 \\ \hline 416.25 \end{array}$$

$$333 \times 1.25 = 416.25 \text{ cu yards.}$$

fluff