

DISTRICT I

P.O. Box 700, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources DepartmentSUBMIT 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 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 DK

Well Name

Location: Unit or Qtr/Qtr Sec NE/NE Sec 28 T 27N R 6W County Rio ArribaPit Type: Separator Deyhdrtor Other Dehydrator/TankLand Type: BLM X State Fee Other Pit Location:
(Attach diagram)Pit dimensions: Length 40' width 25' depth 4'Reference: well head Other DehydratorFootage from reference: 20'Direction from reference: 315 Degrees East of North X
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)	<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)RECEIVED
NOV 15 1999

Yes	(20 points)	
No	(0 points)	<u>0</u>

OIL CONSERVATION
DIVISION**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: 08/07/95 Date completed: 08/08/95

Remediation Method: Excavation X Approx. cubic yards 365

(Check all appropriate sections)

Landfarmed X Insitu Bioramediaiton

Other

Remediation Location: Onsite X Offsite

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

General Description of Remedial Action: Contaminated soil was removed to a depth of 7' 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 X Yes Depth

Final Pit: Closure Sampling: Sample location Bottom of pit at 7' depth.

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

Sample depth 7'

Sample date 08/09/95 Sample time

Sample Results

Benzene (ppm) .1387

Total BTEX (ppm) 20.116

Field headspace (ppm) >2500

TPH 281 ppm

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 10/31/96

SIGNATURE Mike Tabet

PRINTED NAME AND TITLE Mike Tabet Staff HES Coordinator

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

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. 7714
Job No. 4-1228

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

Date: 9-Aug-95 Time: 10:10
Date: 15-Aug-95

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
7714-3233	<i>Unocal Corporation</i> <i>Rincon 127 Tank Pit</i>	281 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *Ja L*

Date: *8/16/95*

P. O. BOX 2606 • FARMINGTON, NM 87499

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. *7714*
Job No. *4-1228*

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

Date: *9-Aug-95* Time: *10:10*
Date: *10-Aug-95*

Aromatic Volatile Organics

<i>Component</i>	<i>Measured Concentration ug/kg</i>	<i>Detection Limit Concentration ug/kg</i>
<i>Benzene</i>	138.7	0.2
<i>Toluene</i>	1979.4	0.2
<i>Ethylbenzene</i>	1292.3	0.2
<i>m,p-Xylene</i>	14793.6	0.2
<i>o-Xylene</i>	1912.0	0.2
	<i>TOTAL 20116.0 ug/kg</i>	

ND - Not Detectable

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

Approved by:

Date:

Ja G
8/14/95

ON SITE

OFF: (505) 325-8786

LAB: (505) 325-5667

TECHNOLOGIES, LTD.

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 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

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

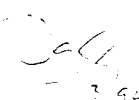
Calibration Check

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: 5-23-96

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OFF: (505) 325-8786

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-5667

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

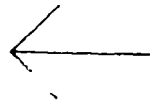
Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	1.4	ug/kg	0.2	ug/kg
<i>Toluene</i>	3.1	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	7.9	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	3.9	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	4.8	ug/kg	0.2	ug/kg
	<i>TOTAL</i>	21.1		ug/kg

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

Approved by: *DC*

Date: *5/13/96*

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DK



MV



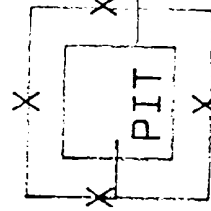
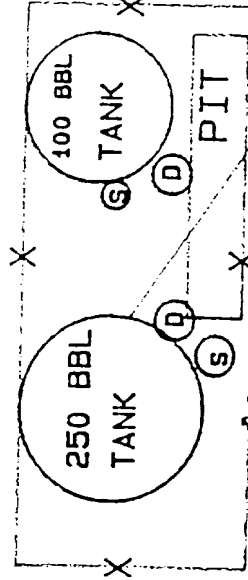
RECTIFIER



57'

120'

50



PIT ALMOST DRY

SFD

40'

7'

WATER IN PIT
(NOT DILY)

GASWELL

DEHY.

REMARKS

MV SEPARATOR NO. 2773 P&A

DK TANK NO. 300059

MV TANK NO. 300060

RINCON 127 DK/MV

NE/NE SEC 28 T27NR6W

METER NO. 72596 72595

SF-079364

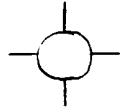
DATE: 05/20/1992

SF&F. NIDIE

11111111

Rincon 127 TANK Pit

Well
Head



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



TANK

Fence

Separator

PIL > 2500

X sample pts
for closure sample.

TANK

29'

8-8 Start Excavation At 14:30
Stop Excavating At 16:30 USED tractor to fence off exit,

Add 1 hr to set double wall tank

North
←

$$39 \times 29 \times 7' =$$

$$\times \frac{(1.05)}{\text{actual}} = 365.25 \text{ sq ft}$$

$$\begin{array}{r} 39 \\ 29 \\ \hline 351 \\ 730 \\ \hline 1131 \\ 17 \\ \hline 7917 \end{array}$$

$$\begin{array}{r} 293 \\ \times 1.25 \\ \hline 1465 \\ 5860 \\ 29300 \\ \hline 365.25 \end{array}$$