

DISTRICT I
P.O. Box 390, Hobbs, NM 88240
DISTRICT II
P.O. Box 390, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
FEB 28 1997

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 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 180 DK
Well Name

Location: Unit or Qtr/Qtr Sec SW/NE Sec 21 T 27N R 6W County Rio Arriba

Pit Type: Separator Deyhdrator Other Dehydrator/Tank

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: Length 34', width 24', depth 3'
(Attach diagram)

Reference: well head , Other Dehydrator

Footage from reference: 20'

Direction from reference: 0 Degerees East of North X
West of 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) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a priavate No (0 points) 0
domestic water source, or; less than
1000 feet from all water sources)

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) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS) : 0

Date Remediation Started: 08/11/95 Date completed: 08/11/95

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 8' 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 180 DK location.
A PIT CLOSURE APPROVAL IS REQUESTED based on the attached test results from the landfarm.
TPH = 53.4 mg/kg BTEX = 67.3 ug/mg - See attached report.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Closure Sampling: Sample location Bottom of pit at 8' depth at sandstone.
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 8'

Sample date 08/11/95 Sample time _____

Sample Results

Benzene (ppm) .13872.2018

Total BTEX (ppm) 309.1181

Field headspace (ppm) Not taken

TPH 3726 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.: 3238

Sample No. 7748

Job No. 4-1228

Project Name: Unocal Corporation

Project Location: Rincon 180 Pit @ 8'

Sampled by: CSG

Analyzed by: GB

Type of Sample: Soil

Date: 11-Aug-95

Time: 10:45

Date: 15-Aug-95

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
7748-3238	Unocal Corporation Rincon 180 Pit @ 8'	3,726 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

Date: 8/16/95

P. O. BOX 2606 • FARMINGTON, NM 87499
- 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: 17-Aug-95
COC No.: 3238
Sample No. 7748
Job No. 4-1228

Project Name: Unocal Corporation
Project Location: Rincon 180 Pit @ 8'
Sampled by: JL
Analyzed by: GB
Type of Sample: Soil


Date: 11-Aug-95 Time: 10:45
Date: 16-Aug-95

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
Benzene	2201.8	0.2
Toluene	25435.6	0.2
Ethylbenzene	17913.9	0.2
m,p-Xylene	229076.2	0.2
o-Xylene	34490.6	0.2
TOTAL 309118.1 ug/kg		

ND - Not Detectable

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

Approved by: 
Date: 8/17/95

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— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

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. 10877
Job No. 4-1228

Project Name: Unocal - Rincon #180 LAND FARM
Project Location: 10pt. Composite
Sampled by: DA/CB Date: 10-May-96 Time: 12:40
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)	53.4	mg/kg	5.0	mg/kg
	TOTAL	53.4		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

P. O. BOX 2606 • FARMINGTON, NM 87499

ON SITE

OFF: (505) 325-8786

TECHNOLOGIES, LTD.

LAB: (505) 325-5667

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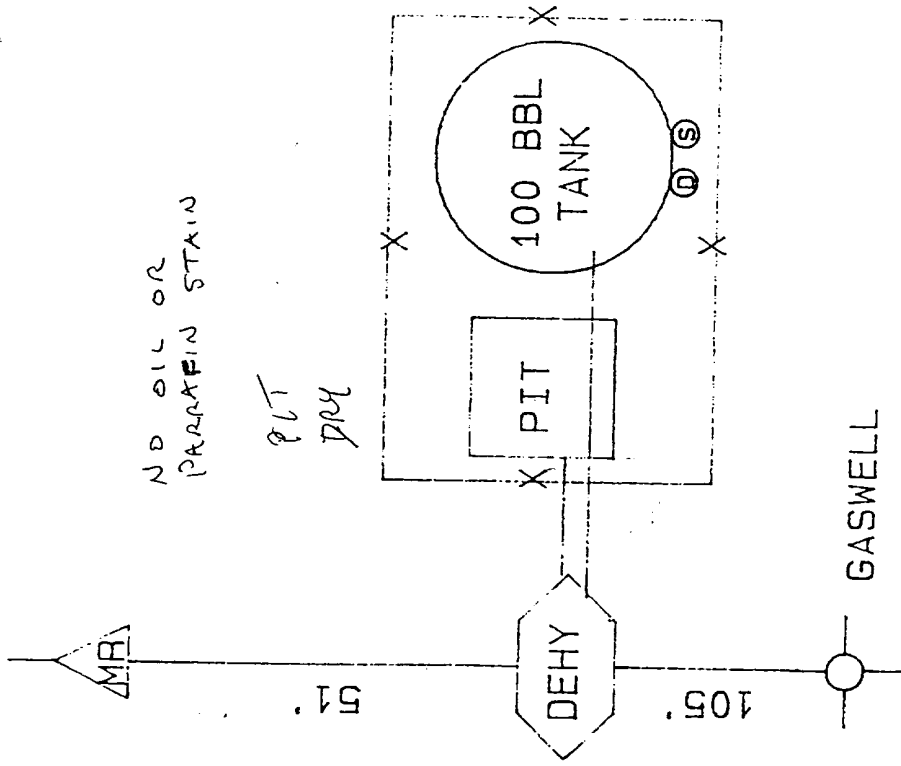
Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	0.9	ug/kg	0.2	ug/kg
Toluene	5.0	ug/kg	0.2	ug/kg
Ethylbenzene	8.4	ug/kg	0.2	ug/kg
m,p-Xylene	34.5	ug/kg	0.2	ug/kg
o-Xylene	18.5	ug/kg	0.2	ug/kg
	TOTAL	67.3	ug/kg	

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

Approved by: [Signature]
Date: 5/3/96

P. O. BOX 2606 • FARMINGTON, NM 87499



N

Land Jan
Onsite

NO OIL OR
PARAFFIN STAIN

PIT
DRY

REMARKS

TANK NO. 300099

RINCON UNIT 180 DK
SW/NE SEC 21 T27NR6W
METER NO. 73340
SF-079366

DATE: 05/26/1992

SCALE: NONE

UNOCAL

RINCON 180

Handwritten: "Lundgren Site Dec 1890"

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



well hand.

No PID Sample

Cindy Gray Site Supervisor
during excavation.

Seperator

North 11

$$z'_{\text{depth}} @ R_x$$

24,

Tank 300 BH
X

Exhibitions