

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, 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 136E DAKOTA

Well Name

Location: Unit or Qtr/Qtr Sec NW/NW Sec23 T 27N R 7W County Rio Arriba

Pit Type: Separator Deyhydrator X Other

Land Type: BLM X, State, Fee, Other

Pit Location:
(Attach diagram)

Pit dimensions: Length 17', width 17', depth 4'

Reference: well head, Other DEHYDRATOR

Footage from reference: 15'

Direction from reference: 20 Degrees East of North
X 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)	0

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)	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: 08/16/95

Date completed: 08/16/95

Remediation Method: Excavation ☒

Approx. cubic yards 186

(Check all appropriate sections)

Landfarmed ☒

Insitu Bioramediaiton

Other

Remediation Location: Onsite ☒

Offsite

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

RINCON UNIT 136E LOCATION NW/NW SEC 23 T27N R7W

General Description of Remedial Action: Contaminated soil was removed to a depth of 18' 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 136E location and is now below regulation limits.

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

TPH = 62.2 mg/kg BTEX = 51.0 ug/kg

Ground Water Encountered:

No ☒

Yes

Depth

Final Pit:

Closure Sampling:

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

Sample location

Bottom of pit at 18' in sandstone

Sample depth 18'

Sample date 08/16/95

Sample time

Sample Results

Benzene (ppm) .6

Total BTEX (ppm) 312.1098

Field headspace (ppm) >2500

TPH 10,294

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 11/08/96

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: *17-Aug-95*
COC No.: *3247*
Sample No. *7798*
Job No. *2-1000*

Project Name: *Unocal Corporation*
Project Location: *Rincon 136E - Separator Pit Composite*
Sampled by: *JL* Date: *16-Aug-95* Time: *15:10*
Analyzed by: *DC* Date: *17-Aug-95*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>7798-3247</i>	<i>Unocal Corporation Rincon 136E - Separator Pit Composite</i>	<i>10,294 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *[Signature]*
Date: *8/17/95*

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: *18-Aug-95*
COC No.: *3247*
Sample No. *7798*
Job No. *4-1228*

Project Name: *Unocal Corporation*
Project Location: *Rincon 136E - Separator Pit Composite*
Sampled by: *JL* Date: *16-Aug-95* Time: *15:10*
Analyzed by: *DC* Date: *17-Aug-95*
Type of Sample: *Soil*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>631.0</i>	<i>0.2</i>
<i>Toluene</i>	<i>22242.8</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>16902.9</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>227201.9</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>45131.1</i>	<i>0.2</i>
TOTAL <i>312109.8 ug/kg</i>		

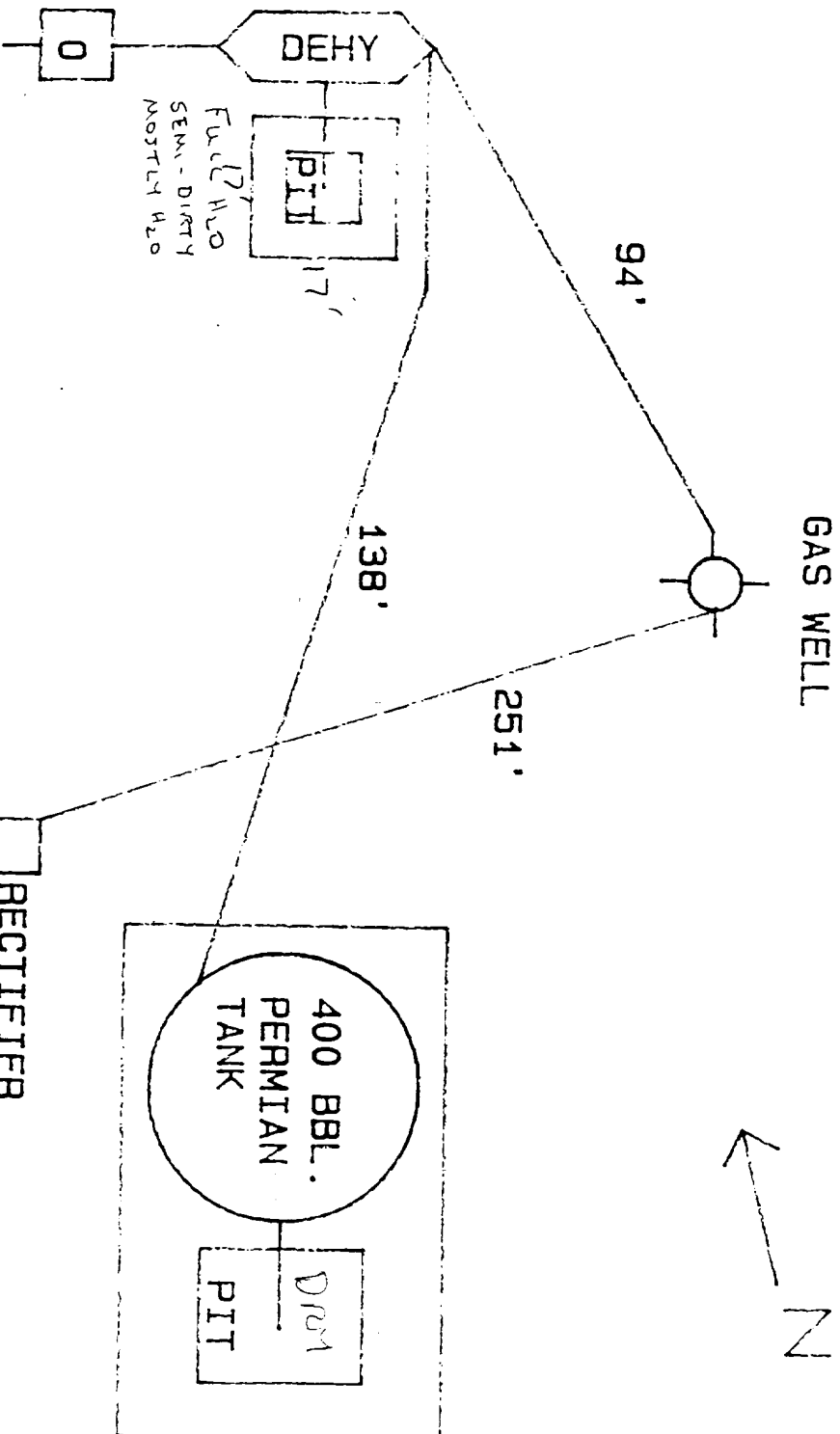
ND - Not Detectable

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

Approved by: *Jack*
Date: *8/18/95*

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— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

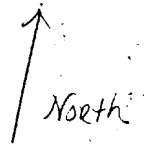


DEHYDRATOR# 5997	MAKE: PSA	RINCON UNIT 136E	DK/MV
TANK# 300181	SERIAL# 25167/92	NW/NW SEC 23 T27N R7W NMPM	
SPUD 08/25/92		METER# 97306	
DATE 02/11/93		SF 079360	

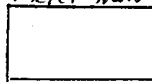
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Rincon 136E

Seperator Pit



meter Run



Seperator

← equipment does not allow excavation past pit berm

EXCAVATED Pit dimensions

16' x 14' x 18' = 149

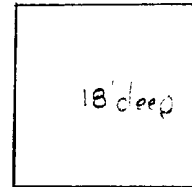
149 x 1.25 = 186 cu yards

>2500 PPM PID Reading -

14

18' deep

Pit on fill portion of Ad.



16

Rock @ 18'

- sample using trackhoe -

8-16-95 Start Seperator Pit Excavation 13:00 hrs

* Continue to haul clean fill to Rincon #178
Hauled 3 loads fill to Rincon 228 (PiAd)

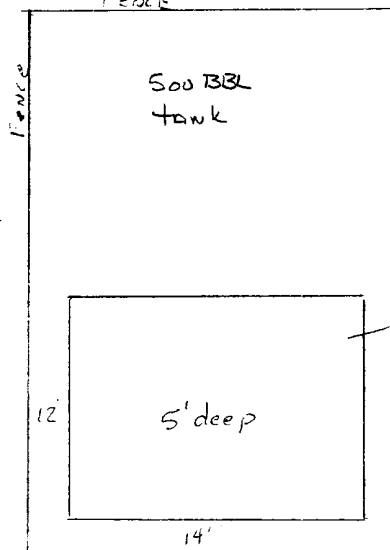
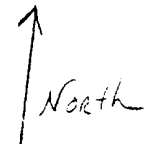
1 hour to remove netting
Frame and set tank

Tank Pit Start Excavating at 8:30 8-17-95
Complete Excavating at 9:10

12' x 14' x 5' Actual Tank Excavation

31 cu yards 39 yards total

Fence



PID Reading 197 ppm.
Lab Sample placed in cooler

double wall pit excavation

1/2 hour to set tank

Backfill around tank using trackhoe

Landfarm leveled w/ berm

Travel to Rincon 79A

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



ON SITE

OFF: (505) 325-5667

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

TPH - Gasoline / Diesel Range Organics

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

Date: 30-Jul-96
COC No.: 4280
Sample No. 11613
Job No. 2-1000

Project Name: Unocal Corporation - Rincon Unit 136E
Project Location: Landfarm; 12pt. Composite
Sampled by: DA Date: 25-Jul-96 Time: 12:51
Analyzed by: DC Date: 29-Jul-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)	62.2	mg/kg	5.0	mg/kg
	TOTAL	62.2		mg/kg

Quality Assurance Report

GRO QC No.: 0467-STD

DRO QC No.: 0479-STD

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	< 50	ppb	1,350	1,440	6.6	15%
Diesel Range (C10 - C28)	< 5.0	ppm	2,000	2,018	0.9	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	102	109	(70-130)	5	20%
Diesel Range (C10-C28)	109	99	(70-130)	7	20%

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

Approved by: 
Date: 7/30/96

P.O. BOX 2606 • FARMINGTON, NM 87499

ON SITE

OFF: (505) 325-5667

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

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

Date: 30-Jul-96
COC No.: 4280
Sample No. 11613
Job No. 2-1000

Project Name: *Unocal Corporation - Rincon Unit 136E*

Project Location: *Landfarm; 12pt. Composite*

Sampled by: DA Date: 25-Jul-96 Time: 12:51

Analyzed by: DC Date: 26-Jul-96

Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	0.5	ug/kg	0.2	ug/kg
<i>Toluene</i>	4.5	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	7.3	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	30.3	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	8.4	ug/kg	0.2	ug/kg
	<i>TOTAL</i>	51.0		ug/kg

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

Approved by: *[Signature]*
Date: 7/30/96

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