

DISTRICT I
P.O. Box 440, Hobbs, NM 88240
DISTRICT II
DEPUTY OIL & GAS INSPECTOR
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
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

(Revised 3/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: UNOCAL Telephone: '801-686-7604

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

Facility Or: Rincon Unit 178 DK
Well Name

Location: Unit or Qtr/Qtr Sec NE/SW Sec 23 T 27N R 7W County Rio Arriba

Pit Type: Separator Deyhdrator X Other

Land Type: BLM X State Fee Other

Pit Location: Pit dimensions: Length 29' width 28' depth 4'
(Attach diagram)

Reference: well head Other DEHYDRATOR

Footage from reference: 20'

Direction from reference: 135 Degrees X East 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 private 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: 08/15/95

Date completed: 08/15/95

Remediation Method: Excavation ☒

Approx. cubic yards 522

(Check all appropriate sections)

Landfarmed ☒

Insitu Bioramediaiton

Other

Remediation Location: Onsite ☒

Offsite

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

Rincon Unit 136E NW/NW Sec 23 T27N R7W

General Description of Remedial Action: Contaminated soil was removed to a depth of 8' to 13' where rock was encountered. Clean soil was re-filled into the pit. Contaminated soil was landfarmed on Rincon Unit 136E DK location. A double walled tank was installed with leak detection.

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

Landfarm test results. TPH = 62.2 mg/kg BTEX = 51.0 ug/mg – See attached report.

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 8' to 13' depth at sandstone.

Sample depth 9'

Sample date 08/15/95

Sample time

Sample Results

Benzene (ppm) .6594

Total BTEX (ppm) 31.1984

Field headspace (ppm) >2500

TPH 232

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: *16-Aug-95*
COC No.: *3244*
Sample No. *7781*
Job No. *4-1228*

Project Name: *Unocal Corporation*
Project Location: *Rincon #178 - Sample from 9' Composite*
Sampled by: *JL* Date: *15-Aug-95* Time: *16:28*
Analyzed by: *GB/DC* Date: *16-Aug-95*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>7781-3244</i>	<i>Unocal Corporation Rincon #178 - Sample from 9' Composite</i>	<i>232 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *Jack*
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: *17-Aug-95*
COC No.: *3244*
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Analyzed by: *GB* Date: *16-Aug-95*
Type of Sample: *Soil*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>659.4</i>	<i>0.2</i>
<i>Toluene</i>	<i>7676.2</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>1314.2</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>17760.5</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>3788.1</i>	<i>0.2</i>
	<i>TOTAL 31198.4 ug/kg</i>	

ND - Not Detectable

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

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

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— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

OFF: (505) 325-5667



LAB: (505) 325-1556

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 ReportGRO 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: *[Signature]*
 Date: *7/30/96*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



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

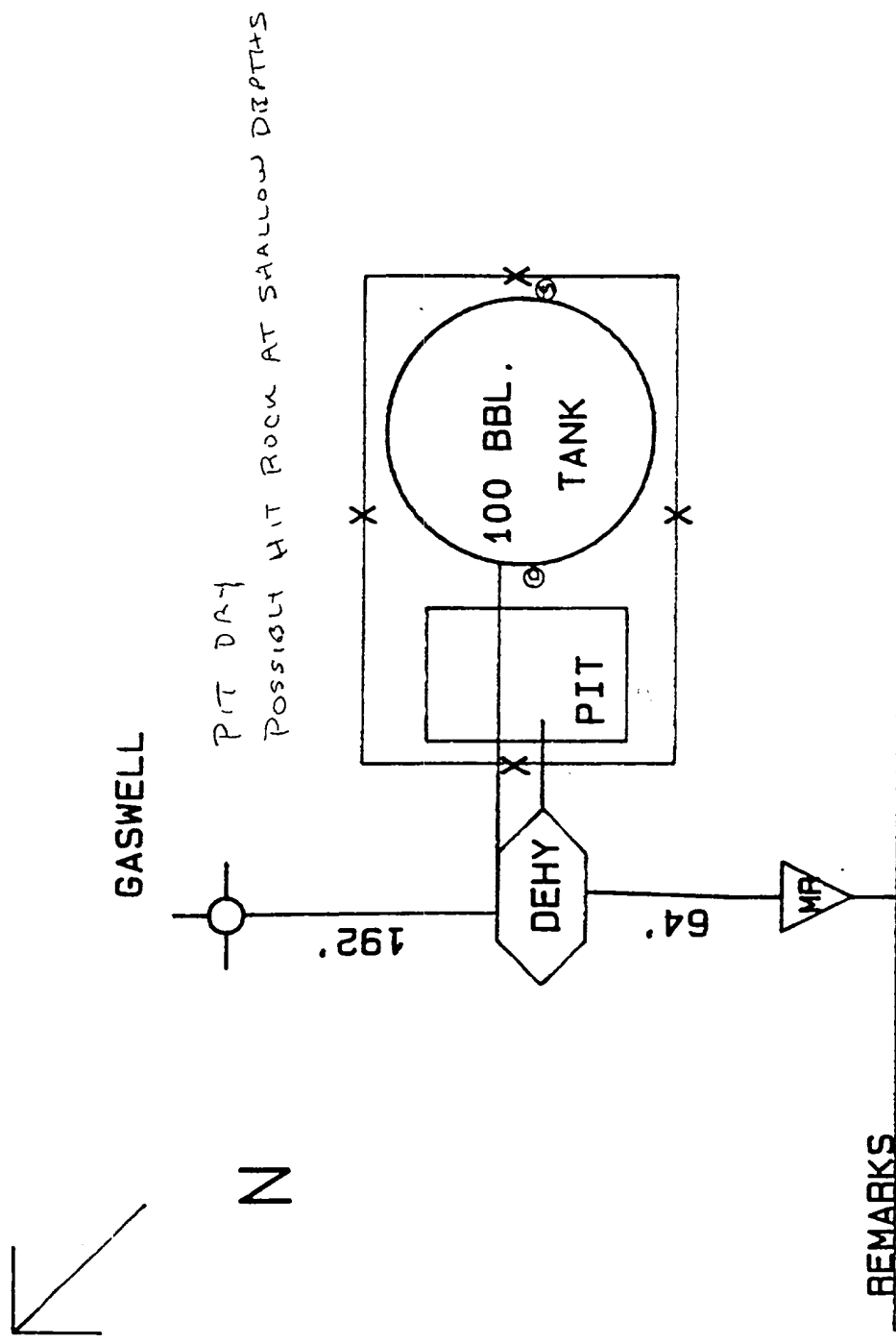
Parameter	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	<i>0.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>4.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>7.3</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>30.3</i>	<i>ug/kg</i>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

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

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

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- *TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT* -



REMARKS

SEPARATOR NO. 3307	RINCON UNIT 178 DK
DEHYDRATOR NO. 3312	NE/SW SEC 23 T27NR7W
TANK NO. 300097	METER NO. 73467
	LEASE NO. SF-089385
DATE: 07/22/1991	
SCALE: NONE	
	UNOCAL

100

PHASE III

Pit Remediation

8-15-95

12:10

Rincon #178

Start digging at 12:30

Hauled material to Rincon B6E to Landfarm.

Start digging at 9:10AM on 8-16-95

North

Fence

100 BBL Tank

Fence

8-16-95 Completed
Excavated Pit Dimension
25' x 41' x 11'

11' Average depth

$417. \times 1.25 = (522 \text{ cu yds})$

Rock in bottom of pit

8' deep

25

x

13' deep

41'

well head

- Separator -

16:30

x - sample pt.

Comp. Sample taken at center of old pit using trackhoe PID Reading > 2500
1 Sample taken

Dirt stockpiled during excavating on North and Southwest corner of pit.

Start backfilling hole at 11:01 - 8-16-95

3 hrs to set tank

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

