

DISTRICT I
P.O. Box 1990, Hobbs, NM 88240
DISTRICT II
P.O. Box 1100, Lordsburg, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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 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 98 MV
Well Name

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

Pit Type: Separator X Dayhydrator Other

Land Type: BLM X, State, Fee, Other

Pit Location: Pit dimensions: Length 23', width 15', depth 4'
(Attach diagram)

Reference: well head, Other Separator

Footage from reference: 20'

Direction from reference: 140 Degrees X East of North
West South X

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: 08/14/95 Date completed: 08/14/95

Remediation Method: Excavation ☒ Approx. cubic yards 153
(Check all appropriate sections) Landfarmed ☒ Insitu Bioramediaiton _____
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility) Rincon Unit 180 Sec 21 T27N R6W

General Description of Remedial Action: Contaminated soil was removed to a depth of 12' 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 12' depth at sandstone.
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 12'

Sample date 08/14/95 Sample time _____

Sample Results

Benzene (ppm) 0.6926
Total BTEX (ppm) 211.36
Field headspace (ppm) Not taken
TPH 6348

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.: *3241*
Sample No. *7770*
Job No. *4-1228*

Project Name: *Unocal Corporation*
Project Location: *Rincon 98 Separator Pit - Center of Pit @ 12' depth*
Sampled by:¹ *JL* Date: *14-Aug-95* Time: *12:10*
Analyzed by: *GB* Date: *15-Aug-95*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>7770-3241</i>	<i>Unocal Corporation Rincon 98 Separator Pit - Center of Pit @ 12' depth</i>	<i>6,348 mg/kg</i>

Method - *EPA Method 418.1 Total Petroleum Hydrocarbons*

Approved by: *[Signature]*
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*
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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>692.6</i>	<i>0.2</i>
<i>Toluene</i>	<i>26046.6</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>16038.8</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>140586.9</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>27998.9</i>	<i>0.2</i>
<i>TOTAL 211363.9 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) 325-8786



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. 10877
Job No. 4-1228

Project Name: Unocal - Rincon #180 LAND FARM
Project Location: 10pt. Composite
Sampled by: DA/CB
Analyzed by: DC
Sample Matrix: Soil

Date: 10-May-96 Time: 12:40
Date: 13-May-96

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

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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. *10877*
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Project Location: *10pt. Composite*
Sampled by: *DA/CB*
Analyzed by: *DC*
Sample Matrix: *Soil*

Date: *10-May-96* Time: *12:40*
Date: *13-May-96*

Aromatic Volatile Organics

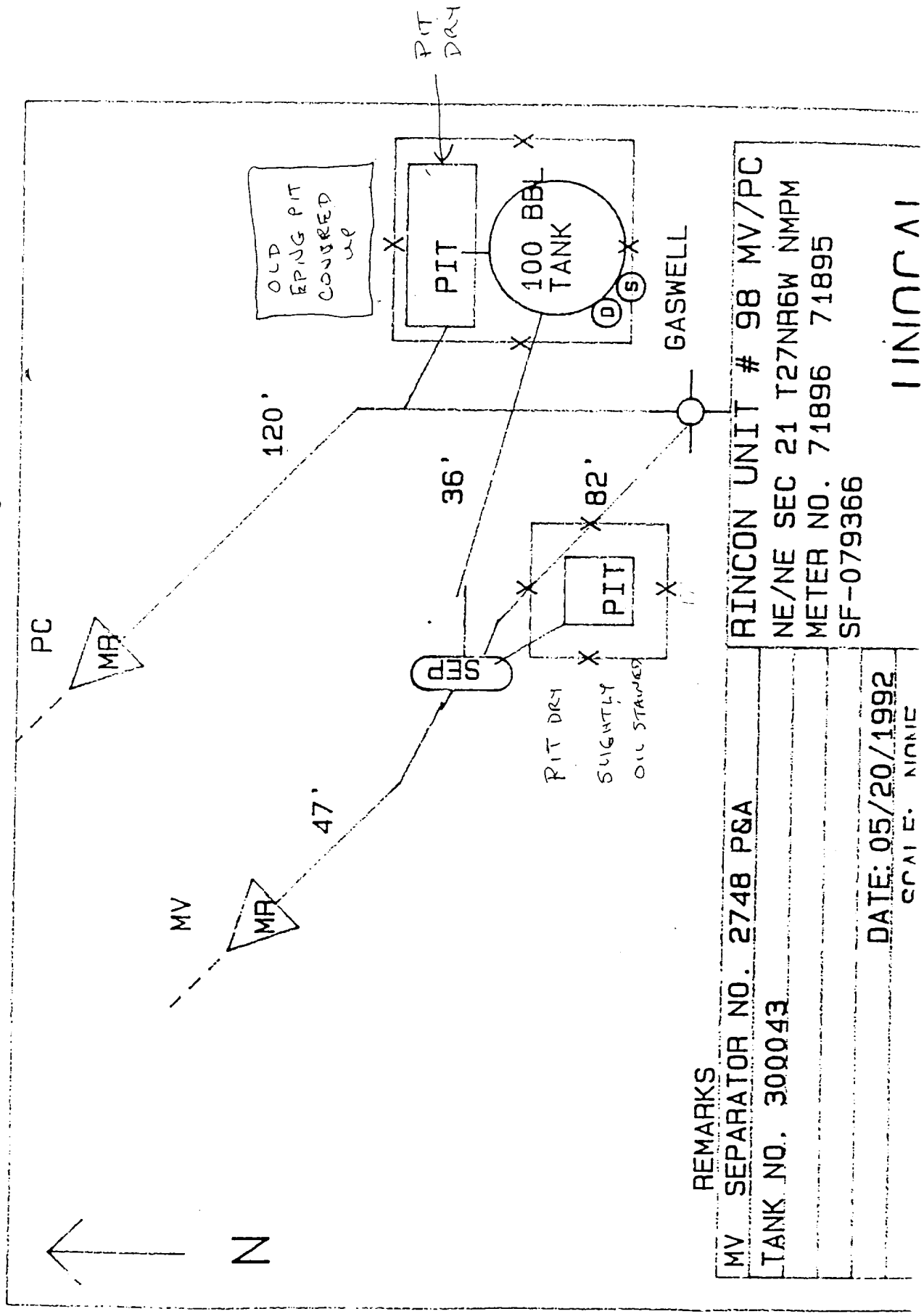
Component	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	0.9	ug/kg	0.2	ug/kg
Toluene	5.0	ug/kg	0.2	ug/kg
Ethylbenzene	8.4	ug/kg	0.2	ug/kg
m,p-Xylene	34.5	ug/kg	0.2	ug/kg
o-Xylene	18.5	ug/kg	0.2	ug/kg
TOTAL		67.3		ug/kg

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

Approved by: *Jack*
Date: *5/13/96*

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REMARKS

MV SEPARATOR NO. 2748 P&A
 TANK NO. 300043
 RINCON UNIT # 98 MV/PC
 NE/NE SEC 21 T27NR6W NMPM
 METER NO. 71896 71895
 SF-079366

DATE: 05/20/1992
 CCAT E. NONGE

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