

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
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
DEPUTY OIL & GAS INSPECTOR OFFICE

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DEC 15 1995 (revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Unocal North American

Telephone: (505) 632-1811

Address: P.O. Box 850, Bloomfield, NM 87413

Facility Or: Rincon 174M

Well Name

Location: Unit or Qtr/Qtr Sec "F" Sec 19 T 27 N R 6 W County Rio Arriba

Pit Type: Separator Dehydrator X Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 10', width 10', depth 3-4'
(Attach diagram)

Reference: wellhead , other Dehydrator

Footage from reference: 15'

Direction from reference: Degrees East North
of
15' 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 other water sources)

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

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>10</u>

RANKING SCORE (TOTAL POINTS): 10

RECEIVED
SEP 12 1994
OIL CON. DIV.
DIST. 3

Date Remediation Started: 08/05/94 Date Completed: 08/05/94

Remediation Method: Excavation X Approx. cubic yards 60
(Check all appropriate sections) Landfarmed X Insitu Bioremediation _____
other _____

Remediation Location: Onsite _____ Offsite Rincon 151, Unit B, Sec. 14, T27N, R7W
(ie. landfarmed onsite, name and location of offsite facility) Rio Arriba County

General Description Of Remedial Action: _____

Excavate contaminated soils in immediate area of prior unlined pit using a backhoe or similar equipment. Excavated to soils below closure standards, edge of equipment and/or bedrock refusal. Spoil material thin spread for landfarm treatment. Closure samples taken and tested by PID, TPH and/or BTEX. Excavations backfilled with clean soil. Tank placed in same location.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:

Sample location See Attached Diagram

Closure Sampling:

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

Final sampling @ Bedrock (shale/sandstone)Sample depth BottomSample date 08/05/94 Sample time _____

Sample Results

Benzene (ppm) Not DetectableTotal BTEX (ppm) 0.2 (159 ppB)Field headspace (ppm) 3.5-338TPH 146 mg/kgGround 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 9-8-94SIGNATURE Mike TabetPRINTED NAME
AND TITLEMike Tabet
HES Coordinator

Unsat

Pit Course 4-1111

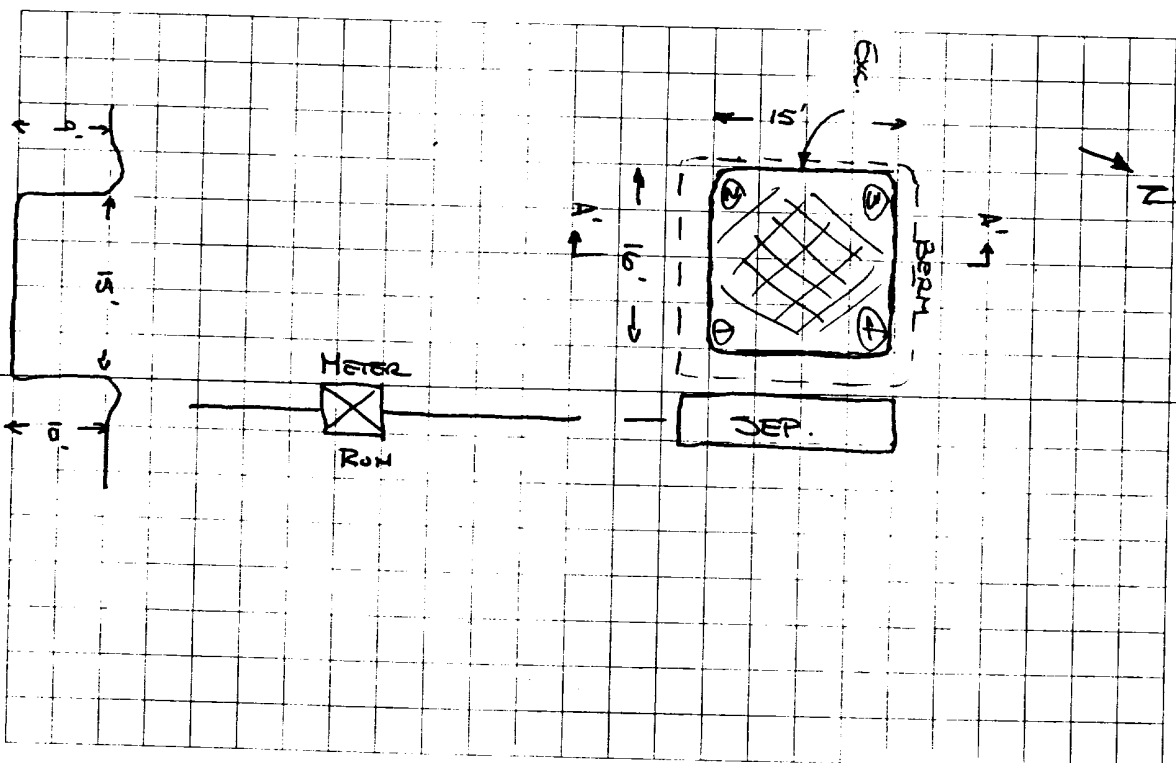
Runon 1744

Dev/500. Pit

8/5/94

DNH (Ppm)	Dm (ft)			
1	3.38	10'		
2	9.0	10'		
3	3.5	9'		
4	3.8	9'		
TPH				
H	V	D	E	TPH
4.89	25M	1:1	28	1400M

Pit Located 15' W of 500/Dev
 ay: 6 Day



**ON SITE
TECHNOLOGIES, LTD.**

TOTAL PETROLEUM HYDROCARBONS

Attn: *Myke Lane*
Company: *On Site Technologies, Ltd.*
Address: *657 W. Maple*
City, State: *Farmington, NM 87401*

Date: *8/8/94*
Lab ID: *FIELD*
Sample No.
Job No. *4-1111*

Project Name: *Unocal Corporation / Pit Remediations - Closure*
Project Location: *Rincon 174M - Comp. @ 10'*
Sampled by: *ML* Date: *8/5/94* Time: *NA*
Analyzed by: *ML* Date: *8/5/94*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>FIELD</i>	<i>Unocal Corporation / Pit Remediations - Closure Rincon 174M - Comp. @ 10'</i>	<i>146 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

Date:

[Signature]
8/16/94



ON SITE TECHNOLOGIES, LTD.

AROMATIC VOLATILE ORGANICS

Attn: *Myke Lane*
Company: *On Site Technologies Ltd.*
Address: *657 W. Maple*
City, State: *Farmington, NM 87401*

Date: *8/8/94*
Lab ID: *1758*
Sample ID: *2378*
Job No. *4-1111*

Project Name: *Unocal Corporation / Pit Remediations*
Project Location: *Rincon 174M @ Btm. Sep. Pit*
Sampled by: *ML* Date: *8/5/94*
Analyzed by: *DLA* Date: *8/8/94*
Sample Matrix: *Soil*

Time: *10:50*

Aromatic Volatile Organics

Component	**Measured Concentration ug/kg
<i>Benzene</i>	<i>ND</i>
<i>Toluene</i>	<i>31.3</i>
<i>Ethylbenzene</i>	<i>ND</i>
<i>m,p-Xylene</i>	<i>92</i>
<i>o-Xylene</i>	<i>36.5</i>
<i>TOTAL</i>	<i>159 ug/kg</i>

ND - Not Detectable

*** - Method Detection Limit, 2 ug/kg*

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

Approved by:

Date:

Bill Cochran, PhD.
8/9/94



ON SITE TECHNOLOGIES, LTD.

QUALITY ASSURANCE REPORT for EPA Method 8020

Date Analyzed: 8/8/94

Internal QC No.: 0222-STD

Surrogate QC No.: 0223-STD

Reference Standard QC No.: 0355-STD

Method Blank

Analytes in Blank	Amount
Average Amount of All Analytes In Blank	<1 ppb

Calibration Check

Calibration Standards	Units of Measure	*True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20	20	1	15%
Toluene	ppb	20	20	2	15%
Ethylbenzene	ppb	20	20	0	15%
m,p-Xylene	ppb	40	38	4	15%
o-Xylene	ppb	20	20	2	15%

Spike Results

Analyte	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Benzene	103	104	(39-150)	0	20%
Toluene	99	100	(46-148)	0	20%
Ethylbenzene	98	102	(32-160)	3	20%
m,p-Xylene	102	97	(35-145)	3	20%
o-Xylene	101	100	(35-145)	0	20%

Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered	S3 Percent Recovered
Limits	(70-130)		
2377-1758	101		

S1: Fluorobenzene

CHAIN OF CUSTODY RECORD

1758
21

Date: _____

Page 1 of 1

657 W. Maple ■ P. O. Box 2606 ■ Farmington, NM 87499
LAB: (505) 325-5667 ■ FAX: (505) 325-6256

[illegible]

Distribution:	White -- On Site	Yellow -- LAB	Pink -- Sampler	Goldenrod -- Client
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