

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

State of New Mexico
Energy, Minerals and Natural Resources Department
Lenny E. Faust
DEPUTY OIL & GAS INSPECTOR
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

SEP 11 0 1996

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: UNOCAL Telephone: 801-686-7604

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

Facility Or: Rincon Unit 57E DK
Well Name

Location: Unit or Qtr/Qtr Sec O Sec 01 T 26N R 7W County Rio Arriba

Pit Type: Separator Deyhdrator X Other

Land Type: BLM X State Fee Other

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

Reference: well head Other Dehydrator

Footage from reference: 20'

Direction from reference: 45 Degerees 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 high water elevation of ground water) Greater than 100 feet (0 points) 0

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

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) 200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 10

RANKING SCORE (TOTAL POINTS) : 10

RECEIVED
DEC 20 1995
OIL CON. DIV.
DIST. 3

Date Remediation Started: 08/03/94

Date completed: 08/03/94

Remediation Method: Excavation ☒

Approx. cubic yards 137

(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: Excavated soil to depth of 18'. Hit bedrock. Refilled with clean soil. Installed double walled tank with leak detection. Excavated to below closure standards.

TPH = 91 mg/kg BTEX .2 ppm

The contaminated soil was landfarmed on the Rincon Unit 57E DK/GL location.

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

TPH = 755 mg/kg BTEX = Non – detect with PID for organic vapors.

Ground Water Encountered: No ☒ Yes Depth

Final Pit:
Closure Sampling:

Sample location Bottom of pit at 18' depth.

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

Sample depth 18'

Sample date 08/03/94

Sample time

Sample Results

Benzene (ppm) 0.01

Total BTEX (ppm) 0.2

Field headspace (ppm) 312

TPH 91 mg/kg

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 11/29/95

SIGNATURE

Mike Tabet

PRINTED NAME
AND TITLE

Mike Tabet
Staff HES Coordinator

OIT: (505) 325-8786



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

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

Date: *5/2/95*
COC No. *3011*
Sample No. *6102*
Job No. *2-1000*

Project Name: *Unocal Landfarms*
Project Location: *Rincon 57E - 5pt. Composite*
Sampled by: *JL 134*
Analyzed by: *BV*
Type of Sample: *Soil*

Date: *4/26/95* Time: *11:06*
Date: *4/28/95*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>6102-3011</i>	<i>Unocal Landfarms Rincon 57E - 5pt. Composite</i>	<i>755 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *Jan 4*
Date: *5/2/95*

OFF: (505) 325-8786



LAB: (505) 325-5667

Facsimile Cover Sheet

To: mike Tabet
Company: Unocal
Phone: (801) 686-2236
Fax: (801) 686-2341

From: Jon Little
Company: On Site Technologies, LTD.
Lab Fax: (505) 325-6256
Office Fax: (505) 327-1496

Date: 11/14/95
Pages including this
cover page: 3

Comments: These ARE the necessary test run on
SFE and the ISI. The Analysis where 418.1.
PID reading were nondetect for both Landfills.
Please call if there are any questions.

Jon

ON SITE TECHNOLOGIES, LTD.

TOTAL PETROLEUM HYDROCARBONS

Attn: Cindy Gray
Company: On Site Technologies
Address: 3005 Northridge Drive, Ste.F
City, State: Farmington, NM 87401

Date: 3/24/94
Lab ID: 1459
Sample No.
Job No. 4-1076

Project Name: Unocal / 24 Pit Site Assessment
Project Location: Rincon
Sampled by: JL Date: 3/14/94
Analyzed by: JL Date: 3/21/94
Type of Sample: Soil

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
1209-1459	Unocal / 24 Pit Site Assessment Rincon 278 <i>2- PPTB</i>	515 mg/kg <i>DEAD LIGAND TO CLOSURE P</i>
1210-1459	Unocal / 24 Pit Site Assessment Rincon 184	8510 mg/kg <i>→ B10</i>
1211-1459	Unocal / 24 Pit Site Assessment Rincon 78	21321 mg/kg <i>→ B10</i>
1212-1459	Unocal / 24 Pit Site Assessment Rincon 151 Tank Pit	7788 mg/kg <i>→ B10</i>
1213-1459	Unocal / 24 Pit Site Assessment Rincon 174M Tank Pit	60 mg/kg <i>→ 254P12</i>
1214-1459	Unocal / 24 Pit Site Assessment Rincon 174M Dehydrator Pit <i>DEAD LIGAND TO CLOSURE</i>	98 mg/kg <i>→ DEAD LIGAND TO CLOSURE</i>
1215-1459	Unocal / 24 Pit Site Assessment Rincon 134 Tank Pit	31324 mg/kg <i>→ B10</i>
1216-1459	Unocal / 24 Pit Site Assessment Rincon 57E Gallup Dehydrator Pit	1519 mg/kg <i>→ EXHAUST TO MAIN PIT</i>
1217-1459	Unocal / 24 Pit Site Assessment Rincon 57E Dakota <i>DEAD LIGAND TO CLOSURE</i>	127 mg/kg <i>→ FOR B10</i>
1218-1459	Unocal / 24 Pit Site Assessment Rincon 57E Tank Pit	1726 mg/kg <i>→ B10</i>
1219-1459	Unocal / 24 Pit Site Assessment Rincon 300	3843 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *[Signature]*

Date: 3/24/94

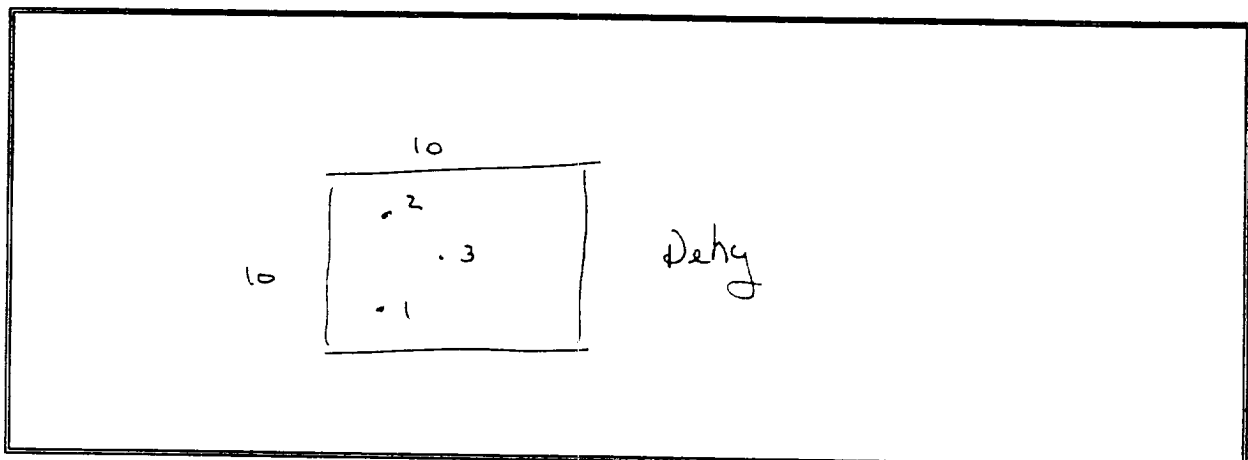
ON SITE TECHNOLOGIES, LTD.

TEST HOLE LOG and FIELD TESTING RESULTS

PROJECT: Unocal Pit JOB # 4-1076 DATE: 3-15-94
 SITE LOCATION: Rincon 57^E CLIENT: _____
Dakota Dehy Pit SAMPLER: Jim Dziel
 METHOD: _____
 TEST HOLE #: _____ LAB SAMPLE IDS 1217-1459

DEPTH	SOIL TYPE	P.I.D. FIELD SCREENING	TPH EPA 418.1	OTHER REMARKS
T.H. 1	sand	2500		
T.H. 2	clay sael	2500		
T.H. 3	sael	25 78		
T.H. 3 4'	sael	686	TPH	sandstone @ 4'

SITE SKETCH WEATHER _____ APPROX. TEMP. _____



(505) 325-8786 FAX (505) 327-1496

3005 NORTHRIDGE DRIVE, SUITE F P.O.BOX 2606 FARMINGTON, NEW MEXICO 87499

North
Pt Co
2/1/94

4-1111

1. 10/10/10

124

206-2697-2500

475 = 49' 72500

W 49' 123

Ne 9' 72500

774

Carry over 1

218

4.

75

Kishiny

۱۵

25mL

11

22

184 p. 24

PIT LAMBO

N 45° E OF Derry # 15-1

BY: SO CY

10 Backpack

TANK REPAIRED IN PIT.

27:15

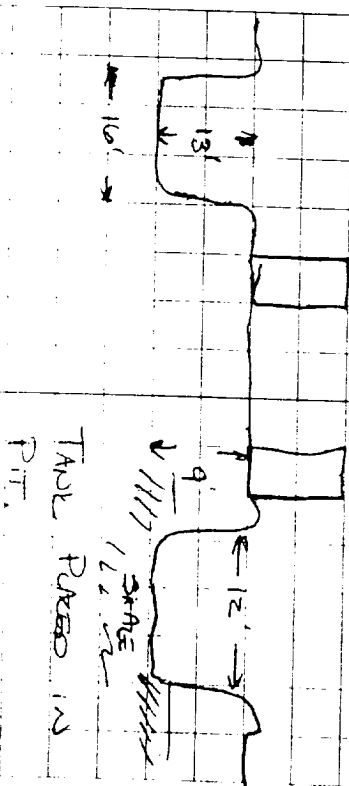
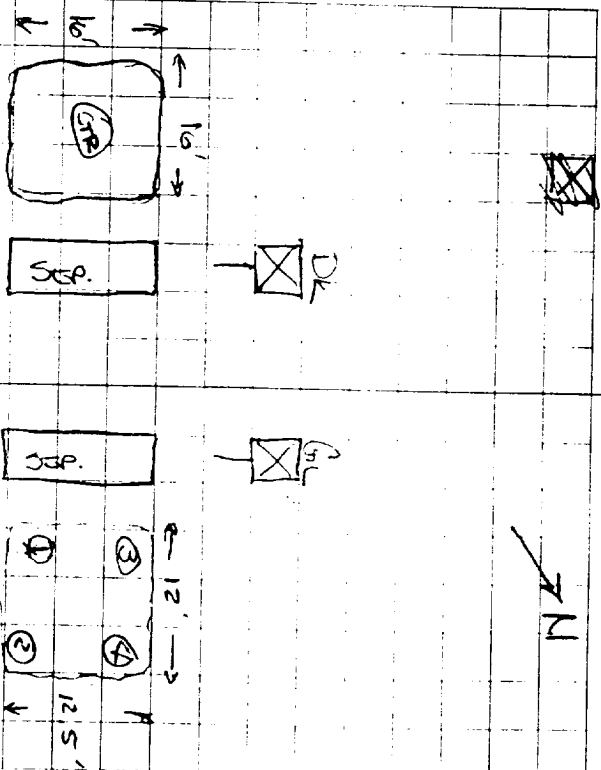
CHEM 320 PM

11-11-11

$$\begin{array}{r} 5.25 \\ \times 4 \\ \hline 21 \\ 20 \\ 20 \\ 20 \\ \hline 210 \end{array}$$

137c1

Devised





ON SITE TECHNOLOGIES, LTD.

AROMATIC VOLATILE ORGANICS

Attn: *Bob Caine*
Company: *Unocal Corporation*
Address: *P.O. Box 850*
City, State: *Bloomfield, NM 87413*

Date: *8/3/94*
Lab ID: *1738*
Sample ID: *2231*
Job No. *4-1107*

Project Name: *Unocal Corporation Pit Assessments*
Project Location: *Rincon 57E @ 18' of Old Pit*
Sampled by: *JL* Date: *8/2/94*
Analyzed by: *DLA* Date: *8/3/94*
Sample Matrix: *Soil*

Time: *11:25*

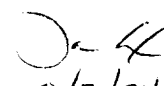
Aromatic Volatile Organics

Component	** Measured Concentration ug/kg
<i>Benzene</i>	<i>12.9</i>
<i>Toluene</i>	<i>74.6</i>
<i>Ethylbenzene</i>	<i>4.5</i>
<i>m,p-Xylene</i>	<i>77.8</i>
<i>o-Xylene</i>	<i>ND</i>
<i>TOTAL</i>	<i>170 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: *8/3/94*

ON SITE TECHNOLOGIES, LTD.

QUALITY ASSURANCE REPORT for EPA Method 8020

Date Analyzed: 8/3/94

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	19	6	15%
Toluene	ppb	20	19	7	15%
Ethylbenzene	ppb	20	19	6	15%
m,p-Xylene	ppb	40	37	7	15%
o-Xylene	ppb	20	18	9	15%

Spike Results

Analyte	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Benzene	94	100	(39-150)	4	20%
Toluene	92	96	(46-148)	3	20%
Ethylbenzene	95	97	(32-160)	2	20%
m,p-Xylene	98	100	(35-145)	1	20%
o-Xylene	98	97	(35-145)	1	20%

Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered	S3 Percent Recovered
Limits	(70-130)		
2231-1738	99		

S1: Fluorobenzene



CHAIN OF CUSTODY RECORD

12 1736

Date: 8/2/94

Page 1 of 1

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

Purchase Order No.:		Reference No.:	
Name		Title	
Company		Company	
Address		Mailing Address	
City, State, Zip		City, State, Zip	
Telephone No.		Telefax No.	
Special Instructions:		ANALYSIS REQUESTED	
Sampler: Jon Little		EXTEX	
REPORT TO RESULTS TO		Number of Containers	
DATE/TIME SAMPLED		PRESERVATIVES	
COMPOSITE/ GRAB		40L	
8/2/94		G	
Soil Sample for pit closure		11:25	
12, 11, 14 ft		2231-1138	
Relinquished by: Jon Little		Received by: Tony Tinto	
Date/Time: 8/2/94 17:21		Date/Time: 8/2/94 17:21	
Relinquished by:		Received by:	
Date/Time:		Date/Time:	
Relinquished by:		Received by:	
Date/Time:		Date/Time:	
Method of Shipment:		Rush	
Authorized by: Jon Little		Date: 8/2/94	
(Client Signature Must Accompany Request)		5 Working Days	
		10 Working Days	
		Sampling Location:	



TOTAL PETROLEUM HYDROCARBONS

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

Date: *8/16/94*
Lab ID: *FIELD*
Sample No. *TEST*
Job No. *4-1111*

Project Name: *Unocal Corporation / Pit Remediations - Closure*
Project Location: *Rincon 57E Dak. Pit @ 13'*
Sampled by: *JL* Date: *8/3/94* Time: *NR*
Analyzed by: *JL* Date: *8/3/94*
Type of Sample: *Soil*

Mobil Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
FIELD TEST	Unocal Corporation / Pit Remediations - Closure Rincon 57E Dak. Pit @ 13'	91 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *[Signature]*

Date: *8/16/94*