

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

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

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

SEP 11 0 1996

(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 81 Mesa Verde
Well Name

Location: Unit or Qtr/Qtr Sec K Sec 17 T 27N R 6W County Rio Arriba

Pit Type: Separator Deyhdrtor Other X Tank

Land Type: BLM X State Fee Other

Pit Location:
(Attach diagram)

Pit dimensions: Length 25' width 20' depth 3'

Reference: well head X Other

Footage from reference: 90'

Direction from reference: 55 Degrees East of North X
5X 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>10</u>

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)	<u>10</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) : 30

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

Date Remediation Started: 09/19/94

Date completed: 09/19/94

Remediation Method: Excavation ☒

Approx. cubic yards 85

(Check all appropriate sections)

Landfarmed ☒

Insitu Bioramediaiton

Other

Remediation Location: Onsite

☒ Offsite

RINCON UNIT 353 FC LOCATION

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

N SEC 17 T 21N R 6W

General Description of Remedial Action: Contaminated soil was removed to a depth of 14'.

Clean soil was back-filled into the pit. A double walled steel tank with leak detection was installed.

Contaminated soil was landfarmed on Rincon 253 location.

A Pit Closure Approval is requested based on auger sample results from 24' depth.

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

TPH = 34.0 mg/kg BTEX = Non-detect with PID for organic vapors.

Ground Water Encountered:

No ☒

Yes

Depth

Final Pit:
Closure Sampling:

Sample location South end of tank pit.

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

Sample depth 24'

Sample date 09/14/94

Sample time 9:55 A.M.

Sample Results

Benzene (ppm) .009

Total BTEX (ppm) .196

Field headspace (ppm) 142

TPH 20 ppm

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 11/20/95

SIGNATURE

Mike Tabet

PRINTED NAME
AND TITLE

Mike Tabet
Staff HES Coordinator

OFF: (505) 323-8786

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 323-5667

Mike Tabet
UNOCAL
P.O. Box 850
Bloomfield, NM.

November 7, 1995

RE: Landfarm Closure of Phase I (1994 Operations) on the Rincon Lease

Mr. Tabet,

On Wednesday the November 26, 1995 landfarms constructed in 1994 were sampled. Five point composite samples were taken and analyzed using EPA Method 8015 for TPH (Total Petroleum Hydrocarbons). Laboratory results for the sampling are included with this report. Soils were checked using a PID (Photoionization Detector) for organic vapor. All landfarms constructed in 1994 were nondetect for organic vapors. The following is a list of landfarms sampled during this sampling event.

Rincon 150, Rincon 123, Rincon 99, Rincon 99A, Rincon 29A, Rincon 78,
Rincon 253, Rincon 149,

This closes the landfarms constructed in the summer of 1994. If there are any questions concerning this information or the status of the 1995 landfarming event please call Jon Little with On Site Technologies, Ltd.

Sincerely,



Jon Little
Project Geologist
On Site Technologies, Ltd

File: 4-1188

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-8786

ON SITE

TECHNOLOGIES, LTD.

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: *1-Nov-95*
 COC No.: *3612*
 Sample No. *8918*
 Job No. *4-1122*

Project Name: *UNOCAL RINCON LEASE*
 Project Location: *RINCON 253 / 81 NW TANK 1 DEHY P.T.*
 Sampled by: *JL* Date: *25-Oct-95* Time: *14:57*
 Analyzed by: *DC* Date: *1-Nov-95*
 Type of Sample: *Soil*

Laboratory Analysis

Analyte	Result	Units of Measure	Detection Limit	Units of Measure
Gasoline Range (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range (C10 - C28)	34.0	mg/kg	5.0	mg/kg
	TOTAL	34.0		mg/kg

Quality Assurance Report

GRO QC No.: *0429-STD*
 DRO QC No.: *0430-STD*

Calibration Check

Analyte	Method Blank	Units of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<1	ppm	1,351	1,406	4.1	15%
Diesel Range (C10 - C28)	<5	ppm	2,000	2,143	7.1	15%

Matrix Spike

Analyte	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	89	111	(70-130)	16	20%
Diesel Range (C10-C28)	93	88	(70-130)	4	20%

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

Approved by: *[Signature]*
 Date: *11/1/95*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

District III
1000 Rio Brazos Rd, Aztec, NM 87410

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

(Revised 3/9/94

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points)

Unocal Rincon 81: Tank

Date Remediation Started: 09/19/94 Date Completed: At time of P & A

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

other Not all material was removed due to soil type and close proximity of surface equipment.

Remediation Location: Onsite _____ Offsite Unocal Rincon #253 adjacent location
(ie. landfarmed onsite,
name and location of
offsite facility) _____

General Description Of Remedial Action: Tank pit excavated to 14 feet.

Some material left will be checked again at the time the well is P & A'd.

Ground Water Encountered: No X Yes Depth

Final Pit: Sample location South end of tank pit

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

Sample depth 24'

Sample date 10/14/94 Sample time 9:55 a.m.

Sample Results

Benzene (ppm) 0.009

Total BTEX (ppm) 0.196

Field headspace (ppm) 142

TPH 20 ppm

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 11-2-74

SIGNATURE *W. Lee Jett*

PRINTED NAME
AND TITLE

Mike Tabet
HES Coordinator

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

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: *10/14/94*
Lab ID: *2217*
Sample No. *3582*
Job No. *4-1122*

Project Name: *Unocol Corporation*
Project Location: *Rincon 81 Tank Pit 24' dept.; Vertical cond. soil sample south side pit.*
Sampled by: *JL* Date: *10/14/94* Time: *9:55*
Analyzed by: *DLA* Date: *10/14/94*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>3582-2217</i>	<i>Unocol Corporation Rincon 81 Tank Pit 24' dept.; Vertical cond. soil sample sou</i>	<i>20 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *[Signature]*

Date: *10/14/94*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

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: *10/14/94*
Lab ID: *2217*
Sample ID: *3582*
Job No. *4-1122*

Project Name: *Unocal Corporation*
Project Location: *Rincon 81 Tank Pit 24' dept.; Vertical cond. soil sample south side pit.*
Sampled by: *JL* Date: *10/14/94* Time: *9:55*
Analyzed by: *DLA* Date: *10/14/94*
Sample Matrix: *Soil*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>9.4</i>	<i>0.2</i>
<i>Toluene</i>	<i>21.5</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>11.9</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>126.1</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>26.7</i>	<i>0.2</i>
<i>TOTAL</i>	<i>196 ug/kg</i>	

ND - Not Detectable

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

Approved by:
Date:

Jon Little
10/14/94

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OFF: (505) 325-8786

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-5667

QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 10/14/94

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	<0.1 ppb

Calibration Check

Calibration Standards	Units of Measure	*True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20	20	2	15%
Toluene	ppb	20	20	2	15%
Ethylbenzene	ppb	20	19	4	15%
m,p-Xylene	ppb	40	38	5	15%
o-Xylene	ppb	20	19	7	15%

Spike Results

Analyte	1- Percent Recovered	2- Percent Recovered	Limit	%RSD	Limit
Benzene	102	99	(39-150)	2	20%
Toluene	100	98	(46-148)	1	20%
Ethylbenzene	97	92	(32-160)	4	20%
m,p-Xylene	98	94	(35-145)	3	20%
o-Xylene	98	92	(35-145)	4	20%

Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered	S3 Percent Recovered
Limits	(70-130)		
3582-2217	101		

S1: Fluorobenzene

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

CHAIN OF CUSTODY RECORD

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

Date: 1.1.14

[illegible]

ON SITE TECHNOLOGIES, LTD.

TEST HOLE LOG and FIELD TESTING RESULTS

PROJECT: PHASE II Pit Rem. Unocal JOB # 4-1122 DATE: 10-14-94
 SITE LOCATION: Rincon 81 Tank Dehy CLIENT: _____
Pit Vertical extent sampling SAMPLER: Jon Little
 METHOD: 3" Power Auger to Depth
3" Hand Auger for Sampling
 TEST HOLE #: _____ LAB SAMPLE IDS: _____

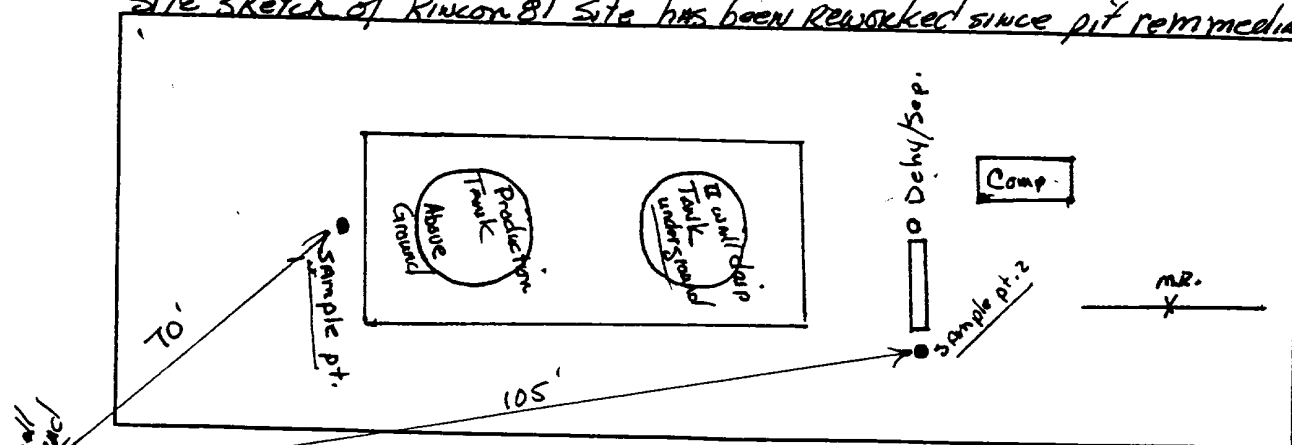
DEPTH	SOIL TYPE	P.I.D. FIELD SCREENING	TPH EPA 418.1	OTHER REMARKS
24' TANK Pit South End	SANDY fill	142 units		sample smalls and looks clean
33' Dehy Pit #1	SAND very damp fill	>2500 units	7000 units	T.D. @ 33' max. extension of power auger

SITE SKETCH

WEATHER _____

APPROX. TEMP. _____

Site sketch of Rincon 81 site has been reworked since pit remediation



(505) 325-8786

FAX (505) 327-1496

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

**ON SITE
TECHNOLOGIES, LTD.**

TOTAL PETROLEUM HYDROCARBONS

Attn: *Mike Tabet*
Company: *Unocal Corporation*
Address: *P.O. Box 760*
City, State: *Moab, UT 84532*

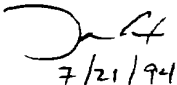
Date: *7/21/94*
Lab ID: *1670*
Sample No. *2046*
Job No. *4-1107*

Project Name: *Unocal Corporation Pit Assessments*
Project Location: *Rincon 81 Tank Pit; 3ft. Composite*
Sampled by: *JL/ML* Date: *7/20/94* Time: *10:40*
Analyzed by: *DC* Date: *7/20/94*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>2046-1670</i>	<i>Unocal Corporation Pit Assessments Rincon 81 Tank Pit; 3ft. Composite</i>	<i>28,150 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: 

Date: *7/21/94*

CHAIN OF CUSTODY RECORD

Date: 7/20/94 Page 1 of 1

[illegible]

ON SITE TECHNOLOGIES, LTD.

TEST HOLE LOG and FIELD TESTING RESULTS

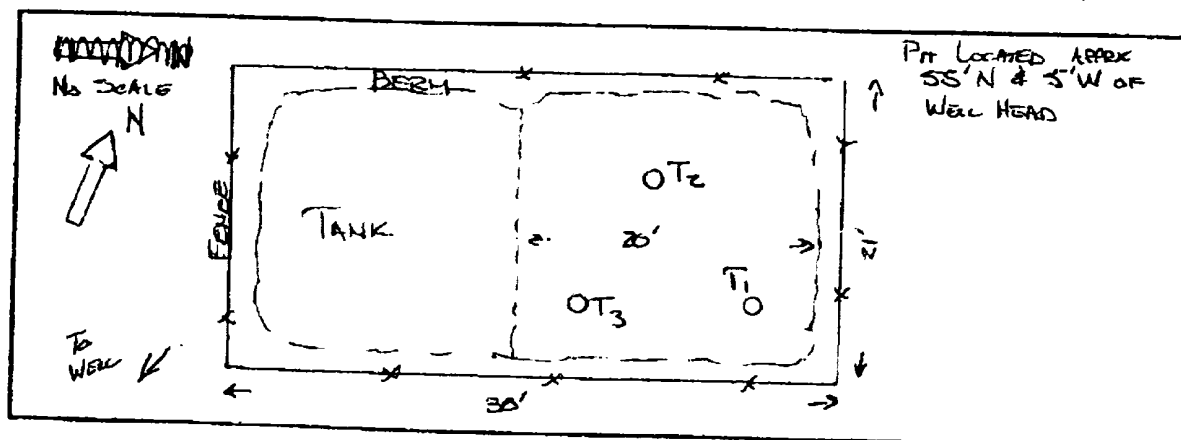
PROJECT: UNOCAL JOB # _____ DATE: 7/26/94SITE LOCATION: RINDSON 81 (HV) CLIENT: _____SE-079052 Prod Tank - P11 SAMPLER: MYKE & JIM

(K) 517, T2IN, R6W BACounty, NM METHOD: _____

TEST HOLE # 1, 2, 3 LAB SAMPLE IDs _____

	DEPTH	SOIL TYPE	P.I.D. FIELD SCREENING	TPH EPA 418.1	OTHER REMARKS
T ₁	3'	Silty FINE SAND MED. GRAY	>2500		DARK SURFACE DISCOVERED ± MINOR PARAFFIN @ PIT BOTTOM. MOST SHIP.
T ₂	3'	'	>2500		
T ₃	3'	'	>2500		ROSES IN SAMPLER
T ₂	12'	'	177		

SITE SKETCH

WEATHER SUNNYAPPROX. TEMP. 88 ± °F

(505) 325-8786

FAX (505) 327-1496

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