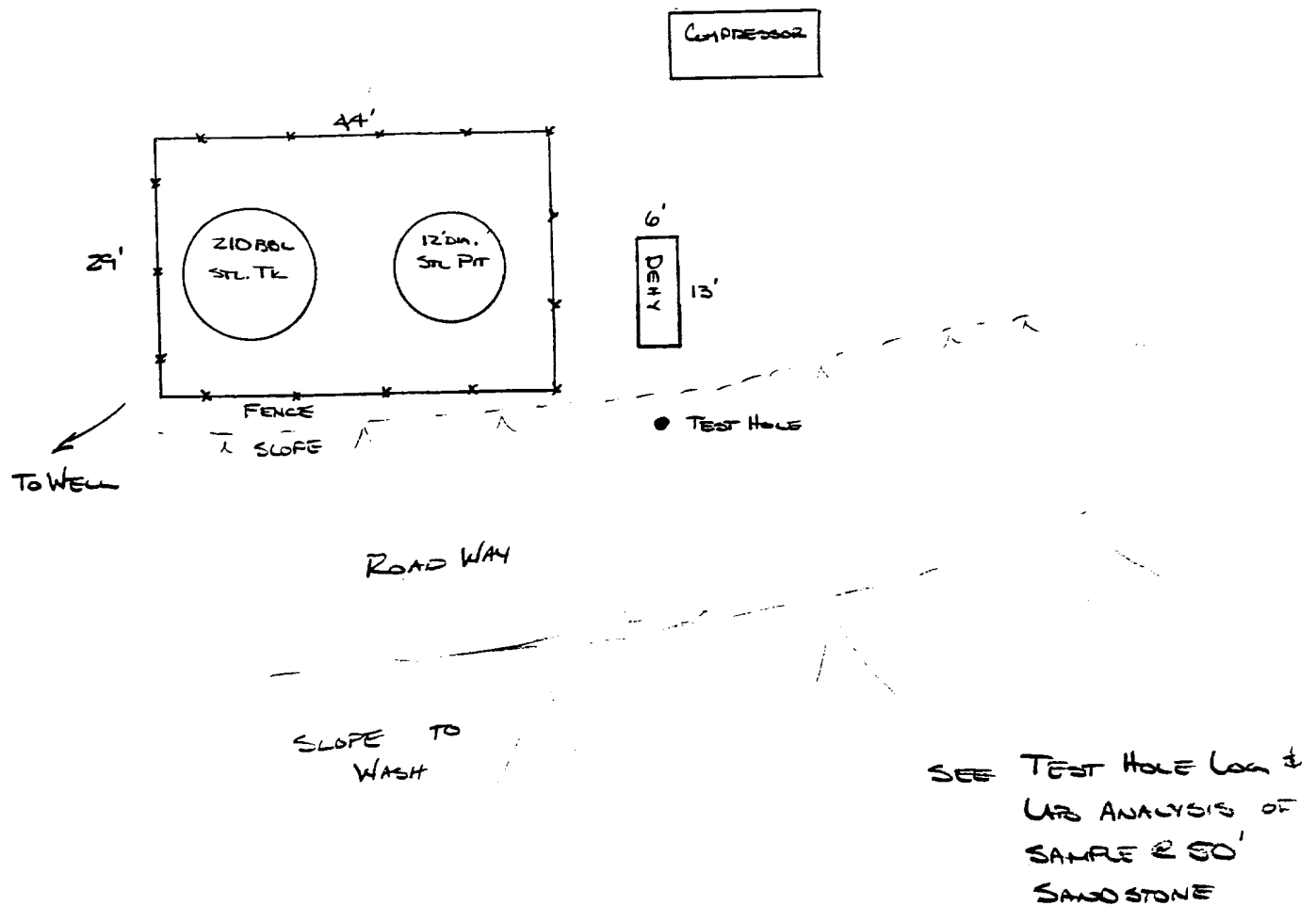


ATTACHMENT #3



DATE 5/7/96
BY MYKE LAUE

SUBJECT FOLLOWUP PIT ASSESSMENT: UNOVAL RINCON 81 MV, K-S17-T27N-R6W
RIO AGRIFA Co., NM. DEHY PIT



ON SITE TECHNOLOGIES, LTD.
P.O. BOX 2606, FARMINGTON, NM 87499
(505) 325-5667

PROJECT: Follow-up Pit Assessment

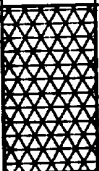
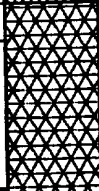
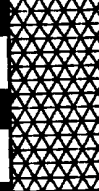
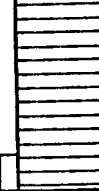
CLIENT: UNOCAL

SITE LOCATION: Rincon Unit 81W, Dehy Pit
K-S17-T27N-R6W, NMPM
Rio Arriba County, NM

CONTRACTOR: ON SITE EQUIPMENT: GEOPROBE w/2" Flight Auger

TEST HOLE LOG

TEST HOLE: #1	LOGGER: MKL
JOB #: 4-1284	PAGE #: 1
START: 5/07/96	FINISH: 05/07/96

DEPTH (ft)	SOIL TYPE	LITHOLOGY	FIELD SCREEN P/D: (units)	LAB ANALYSES (ppm)	FIELD CLASSIFICATION & REMARKS
SURFACE	SM/SC				LT. BROWN SILTY TO CLAYEY FINE SAND, SL. PLASTIC, MOIST, SOFT TO SL. STIFF. NO ODOR OR DISCOLORATION.
10'	SM/SC		769		SAME AS ABOVE (SAA) EXCEPT MEDIUM GRAY TO YELLOWISH BROWN, STRONG PETROLEUM ODOR, STIFF.
20'			384		
			163		
30'	SP		467		MEDIUM GREY FINE TO MEDIUM SAND, MOIST, FIRM.
40'			272		
50'			187	BTEX: 219.65 BENZ: 3.40 TPH: 1405.5	DRILLING REFUSAL. PROBABLY SANDSTONE. TOTAL DEPTH: 50'(bgs)

-  Soil sample taken from cuttings on auger flights.
-  Soil sample collected with split-tube sampler.

BY: MKL
DATE: 05/13/96
FILE: 41284AB1.CAD

OFF: (505) 325-8786



LAB: (505) 325-5667

TPH - Gasoline / Diesel Range Organics

Attn: **Michael K. Lane**
 Company: **On Site Technologies, Ltd.**
 Address: **612 E. Murray Drive**
 City, State: **Farmington, NM 87401**

Date: **9-May-96**
 COC No.: **4080**
 Sample No. **10827**
 Job No. **4-1284**

Project Name: **Unocal - Rincon 81**
 Project Location: **Dehy Pit; Borehole #1 @ 50'**
 Sampled by: **ML** Date: **7-May-96** Time: **12:30**
 Analyzed by: **DC** Date: **9-May-96**
 Sample Matrix: **Soil**

Laboratory Analysis

Analyte	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	1163.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	242.5	mg/kg	5.0	mg/kg
TOTAL	1405.5	mg/kg		

Quality Assurance Report

GRO QC No.: **0461-STD**
 DRO QC No.: **0475-STD**

Calibration Check

Analyte	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	900	855	5.0	15%
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,881	5.9	15%

Matrix Spike

Analyte	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	79	78	(70-130)	2	20%
Diesel Range (C10-C28)	96	98	(70-130)	2	20%

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

Approved by: 
 Date: **5/9/96**

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— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: **Michael K. Lane**
Company: **On Site Technologies, Ltd.**
Address: **612 E. Murray Drive**
City, State: **Farmington, NM 87401**

Date: **13-May-96**
COC No.: **4080**
Sample No. **10827**
Job No. **4-1284**

Project Name: **Unocal - Rincon 81**

Project Location: **Dehy Pit; Borehole #1 @ 50'**

Sampled by: **ML**

Date: **7-May-96** Time: **12:30**

Analyzed by: **DC**

Date: **13-May-96**

Sample Matrix: **Soil**

Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	3397.9	ug/kg	0.2	ug/kg
Toluene	63532.0	ug/kg	0.2	ug/kg
Ethylbenzene	13534.7	ug/kg	0.2	ug/kg
m,p-Xylene	113270.4	ug/kg	0.2	ug/kg
o-Xylene	25917.1	ug/kg	0.2	ug/kg
TOTAL	219652.1	ug/kg		

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

Approved by: **Ja4**
Date: **5/13/96**

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OFF: (505) 325-8786



LAB: (505) 325-5667

QUALITY ASSURANCE REPORT for EPA Method 8020

Date Analyzed: 13-May-96

Internal QC No.: 0419-STD

Surrogate QC No.: 0420-STD

Reference Standard QC No.: 0355-STD

Method Blank

Analyte	Result	Units of Measure
Average Amount of All Analytes in Blank	<0.2	ppb

Calibration Check

Analyte	Units of Measure	True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20.0	19.7	1	15%
Toluene	ppb	20.0	20.1	1	15%
Ethylbenzene	ppb	20.0	20.7	3	15%
m,p-Xylene	ppb	40.0	41.1	3	15%
o-Xylene	ppb	20.0	20.4	2	15%

Matrix Spike

Analyte	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Benzene	88	88	(39-150)	1	20%
Toluene	91	94	(46-148)	2	20%
Ethylbenzene	89	88	(32-160)	1	20%
m,p-Xylene	92	92	(35-145)	0	20%
o-Xylene	88	92	(35-145)	3	20%

Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered
Limit Percent Recovery	(70-130)	
10827-4080	97	

S1: Fluorobenzene

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



CHAIN OF CUSTODY RECORD

4080

Date: 5/7/16

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.:		Job No. 4-1234		Name: [Name]		Title: [Title]	
SEND INVOICE TO		Name: [Name]		Company: [Company]		Mailing Address: [Address]	
		Address: [Address]		City, State, Zip: [City, State, Zip]		Telephone No.: [Phone No.]	
		City, State, Zip: [City, State, Zip]		Telephone No.: [Phone No.]		Telefax No.: [Fax No.]	
Sampling Location: [Location]				ANALYSIS REQUESTED			
Sampler: [Sampler Name]				Number of Containers			
SAMPLE IDENTIFICATION				LAB ID			
DATE				DATE			
TIME				TIME			
PRES.				PRES.			
[Sample 1]				10825-4080			
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