

District I

P.O. Box 1960, 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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

INSPECTION FORCE

DEPUTY OIL & GAS INSPECTOR

SEP 08 1995

PIT REMEDIATION AND CLOSURE REPORT

Operator: Phillips Petroleum Company Telephone: 505-599-3400
Address: 5525 Hwy. 64, NBU 3004, Farmington, NM 87401
Facility Or: San Juan 30-5 Unit #77
Well Name _____
Location: Unit or Qtr/Qtr Sec SWNE Sec 36 T 30N R 5W County Rio Arriba
Pit Type: Separator X Dehydrator _____ Other _____
Land Type: BLM _____ State X Fee _____ Other _____

Pit Location: Pit dimensions: Length 35', width 35', depth 3'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 55'
Direction from reference: 75 Degrees X East North _____
West South X

Depth to Ground Water: > 100'
(vertical distance from
contaminants to seasonal
highwater elevation of
ground water)

Less than 50 feet	(20 points)	
50 ft 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>0</u>

PITFORMWD

RANKING SCORE (TOTAL POINTS): 0

RECEIVED
AUG 31 1995
OIL CON. DIV.
DIST. 3

Date Remediation Started: 7/25/94 Dated Completed: 8/16/94

Excavation X Approx. cubic yards 36

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____
(Check all appropriate sections)

General Description of Remedial Action: Based on the initial assessment, soils were excavated to a depth of 1 foot below the original pit bottom. The soils were landfarmed on location. The excavation tested clean on 8/17/94. The landfarm tested clean on 8/16/94. The landfarmed soils were then used to fill the excavation.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Individual samples were collected from each wall and the bottom of the excavation.

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

Sample depth 3.5 feet from surface

Sample date 8/17/94 Sample time -

Sample Results

Benzene (ppm) -

Total BTEX (PPM) -

Field Headspace (ppm) 1

TPH 102

Ground Water Sample: Yes _____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE 8/29/95 PRINTED NAME Ed Hasely

SIGNATURE Ed Hasely and TITLE Environmental Engineer

PHILLIPS PETROLEUM SURFACE IMPOUNDMENT CLOSURE RESULTS 1994 --ENVIROTECH, INC.--

REVISED DATE: SEPTEMBER 29, 1994 (CJC)												STATUS
PIT NO.	WELL NAME	DEPTH TO WATER (ft)	NMCD SCORE	TRI STU (ppm)	PIT CTR FROM WELLHEAD	SAMPLE DATE	SAMPLE LOCATION	OVUM PPM	TRI (ppm)	EPA METHOD 8020 (PPB) Benzene	TOT. BTX	PERMANENT CONDITIONAL BEDROCK PERMANENT
PA121	SAN JUAN 29-6 #13A	80	10	1000	55' @ N30E	8-18-94	N @ 12' E @ 12' S @ 12' W @ 12' BOTTOM @ 14'	253 94 534 363 474				
PA124	SAN JUAN 29-6, #11A		0	5000	75' NORTH	8-10-94	N SIDE @ 11' E SIDE @ 11' S SIDE @ 11' W SIDE @ 11' C BOTTOM @ 13'	5 1 1 1 1	4			PERMANENT
PA125	SAN JUAN 29-6 #68	40	20	100	45' SOUTH	8-12-94	N @ 6' E @ 6' S @ 6' W @ 6' BOTTOM @ 7'	4 3 2 3 10				PERMANENT
PA126	SAN JUAN 29-5 #54	50	10	1000	40' @ N45W	8-12-94	N @ 10' E @ 10' S @ 10' W @ 10' BOTTOM @ 11'	82 12 279 134 13				CONDITONAL Permanent
PA129	SAN JUAN 29-5 #9-26	240	0	5000	110' SOUTH	8-15-94	N @ 8' E @ 8' S @ 8' W @ 8' BOTTOM @ 9'	101 105 651 126 667				CONDITIONAL
PA145	SAN JUAN 30-5 #77 DK	>1000	0	5000	55' @ S75E	8-16-94	N @ 3.5' E @ 3.5' S @ 3.5' W @ 3.5' BOTTOM @ 3.5'	8 3 3 2 3	6200			BEDROCK
PA148	SAN JUAN 30-5 #84 PC	100	10	1000	50' @ S45W	8-16-94	N @ 5.5' E @ 5.5' S @ 5.5' W @ 5.5' BOTTOM @ 6'	4 39 3 2 4	68			PERMANENT
						8-17-94	N # 3.5'	1	102			PERMANENT

CLIENT: PHILLIPS PETROLEUM

ENVIROTECH Inc.

PIT NO: PA145

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

C.B.C. NO: 3876

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 93163

PAGE No: 1 of 1

LOCATION: LEASE SAN JUAN 30-5 WELL = 77 DK PIT: SEP

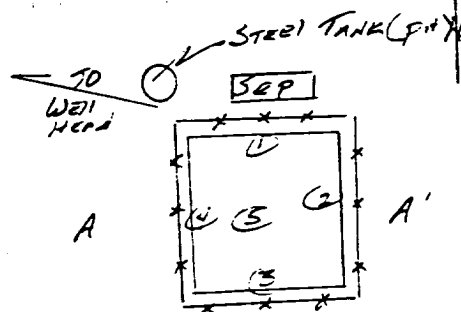
DATE STARTED:

DATE FINISHED: 16 Aug 94UNIT: H SEC 36 TWP 30N RNG 5W BM NM CNTY RA ST NMENVIRONMENTAL
SPECIALIST: FMCONTRACTOR: STOFELSOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 20 FT. x 3 1/2 FT. DEEP.DISPOSAL FACILITY: LAND FARM - On-siteLAND USE: RANGE LEASE NO. E-347-26FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 55 FEET S75E FROM WELL-HEADDEPTH TO GROUNDWATER: 30 NEAREST SURFACE WATER: 1000 NEAREST WATER SOURCE: 1000NMCCD RANKING SCORE: 20 NMCCD TPA CLOSURE STD: 100 ppmSOIL AND EXCAVATION DESCRIPTION: Soil is yellow-brown silty sand with
the east wall being brown clay.
Bedrock @ TD = 3 1/2'

1056X2 = diameter X 10

FIELD #131 CALCULATIONS

SAMPLE	Q	LAB NO	WEIGHT (g)	ML FRECON	SOLUTION	READING	CALC.	CONC
1	2 3/4	1A2663	10	20	10	310	6200	

1 CM = 10'
SCALE0 FEET
PIT PERIMETEROVM
RESULTS

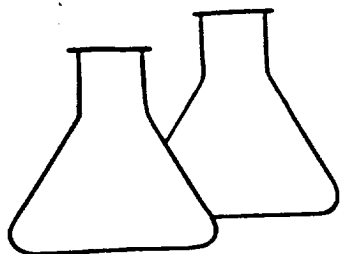
SAMPLE	FEED-SPACE
N 103 1/2'	7.7
E 223 1/2'	3.4
S 223 1/2'	2.9
W 403 1/2'	2.4
SUM 523 1/2'	2.9
2F6	5.9

PIT PROFILE



TRAVEL NOTES:

DATE:



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	1 @ 3.5'	Date Analyzed:	8-16-94
Project Location:	San Juan 30-5 #77 DK	Date Reported:	8-16-94
Laboratory Number:	GAC0663	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	6,200	100

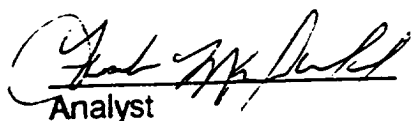
ND = Not Detectable at stated detection limits.

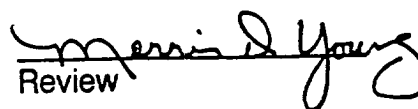
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	7,420	6,960	6

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA145


Analyst


Review

CLIENT: PHILLIPS PETROLEUM

ENVIROTECH Inc.

PIT NO: PA1455796 US HWY. 64, FARMINGTON, NM 87401
(505) 622-0615C.O.C. NO:

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 93163PAGE No: 1 of 1

1640' FNL LOCATION: LEASE: SAN JUAN 30-5 WELL = 77 DKPIT: SEP
370' FEL UNIT: H SEC: 36 TWP: 30N RNG: 5W BM: NM CNTY: RA ST: NM
CONTRACTOR: CIMARRON

DATE STARTED:
DATE FINISHED: 17 Aug 94ENVIRONMENTAL
SPECIALIST: FMSOIL REMEDIATION: EXCAVATION APPROX. 25 FT. x 20 FT. x 3 1/2 FT. DEEP.DISPOSAL FACILITY: LANDFARM - ON SITELAND USE: RANGE LEASE NO. E-347-26FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 55 FEET 575°E FROM WELL-HEADDEPTH TO GROUNDWATER: 20' NEAREST SURFACE WATER: >1000 NEAREST WATER SOURCE: >1000NMED RANKING SCORE: 0-20 NMED TPH CLOSURE STD: 100 ppm

SOIL AND EXCAVATION DESCRIPTION: Soil is yellow-brown, slightly moist,
Silty sand.
* EXCAVATED North Wall approx. 5' to BEDROCK in Wall
NO DOG

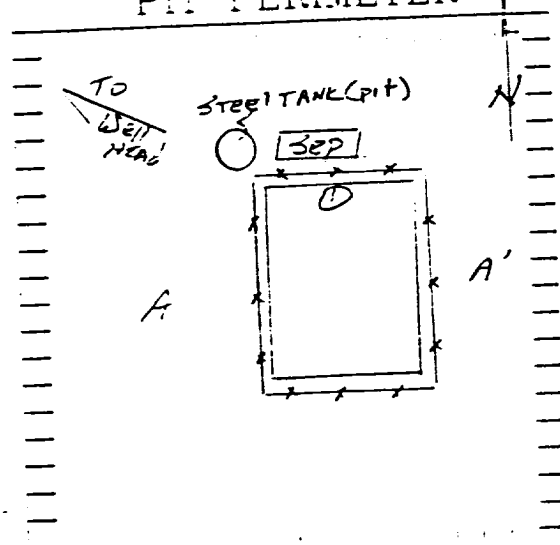
FIELD TEST CALCULATIONS

SAMPLE	LAB NO.	WEIGHT	W	FRESH	DILUTION	READING	CALC.	CONC.
12 3 1/2'	GAC666	10	20	1	51	102		

100' = 0

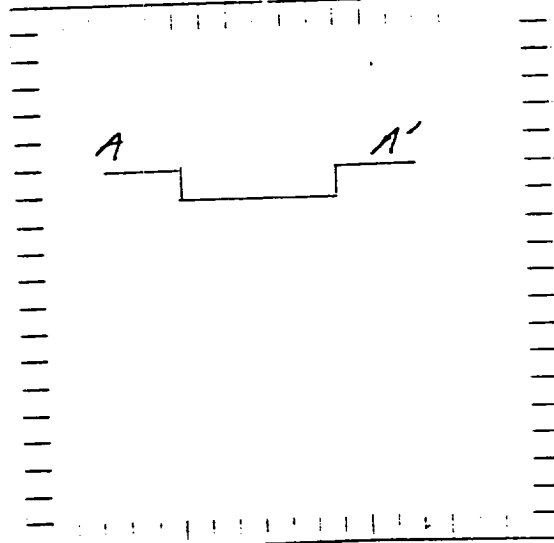
SCALE

0

FEET
PIT PERIMETEROVM
RESULTS

SAMPLE	FEET	SPACE
103%	1.2	

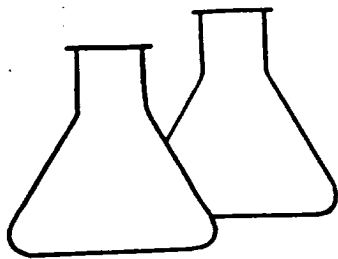
PIT PROFILE



TRAVEL NOTES

CALCULATED

DATE:



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	1 @ 3.5'	Date Analyzed:	8-17-94
Project Location:	San Juan 30-5 #77 DK	Date Reported:	8-17-94
Laboratory Number:	GAC0666	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	102	10

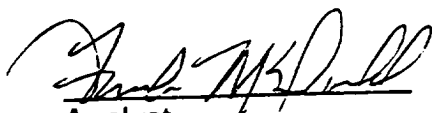
ND = Not Detectable at stated detection limits.

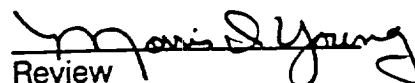
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	7.420	6.960	6

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA145


Analyst


Review

PHILLIPS PETROLEUM PIT ASSESSMENT SUMMARY

1994

ENVIROTECH, INC.

REVISED DATE: MAY 19, 1994

REG

PIT NO.	WELL NAME	U-S-T-R	PIT TYPE	RANK SCORE	CLOSURE STANDARD (EPI PPM)	DATE	ORIGINAL WATER PIN (inches)	SOIL TYPE	SAMPLE NO.	Chromatogram Vapor Meter (PPM)	Total Recoverable (PPM)	EPA METHOD 8020 (PPM) METHOD 5030 PURGE-AND-TRAP						TOTAL BTEX	STATUS
												Benzene	Toluene	Ethyl Benzene	Xylene				
PA145	SAN JUAN 30-5, #11 DK	H333005	SLP	20	5000	5-8-94	NO	ML	11-30	30	1000							407.1	REM 3.5
PA146	SAN JUAN 29-5, #107 MV	D022905	SEP	0	5000	5-5-94	NO	OL	11-4	0	50								CLOSE
PA147	SAN JUAN 20-5, #107 PC	D022905	SEP	0	5000	5-5-94	NO	OL	11-3	67	101000								REM 3
PA148	SAN JUAN 30-5, #64 PC	J333005	SEP	10	1000	5-6-94	NO	ML	11-0	89	32								REM 2
PA149	SAN JUAN 30-5, #84 MV	J333005	SLP	10	1000	5-8-94	NO	ML	11-30	0	36								CLOSE
PA150	SAN JUAN 30-5, #102 GD	K343005	SEP	0	5000	5-6-94	NO	ML	11-5	0	44								CLOSE
PA151	SAN JUAN 30-5, #74 PM	K343005	SEP	0	5000	5-6-94	NO	ML	11-4	0	48								CLOSE
PA152	SAN JUAN 30-5, #94 DK	B273005	SLP	10	1000	5-6-94	NO	ML	11-45	0	28								CLOSE
PA153	SAN JUAN 30-5, #90 DK	H223005	SEP			5-6-94	NO	ML	11-45	0	28								CLOSE
PA154	SAN JUAN 30-5, #52 DK	N153005	SEP	0	5000	5-6-94	NO	OL	11-4	91	14500								REM 4
PA155	SAN JUAN 30-5, #72 DK	M103005	SEP	0	5000	5-9-94	NO	SM	11-5	127	180								CLOSE
PA156	SAN JUAN 30-5, #78 DK	B273005	SEP	0	5000	5-6-94	NO	CL	11-35	3	30								CLOSE
PA157	SAN JUAN 30-5, #38	G073005	SEP	20	100	5-8-94	NO	DL/ML	11-35	0	30								CLOSE
PA158	SAN JUAN 30-5, #87 DK	M053005	SEP	0	5000	5-8-94	NO	ML/SM	11-35	0	34								CLOSE
PA159	SAN JUAN 30-5, #80 DK	A063005	SEP	0	5000	5-8-94	NO	SP	11-4	281	3000								CLOSE
PA160	SAN JUAN 30-5, #50 DK	M053005	SEP	0	5000	5-8-94	NO	CL	11-35	0	38								CLOSE
PA161	SAN JUAN 31-6, #53 MV	I013006	SEP	0	5000	5-8-94	NO	CL	11-35	0	30								CLOSE
PA162	SAN JUAN 31-6, #53 DK	I013006	SEP	0	5000	5-8-94	NO	CL	11-35	0	32								CLOSE
PA163	SAN JUAN 31-6, #40 DK	D013006	SEP	0	5000	5-10-94	NO	DL/ML	11-45	299	100								REM 2
PA164	SAN JUAN 31-6, #31	P353106	SEP	10	1000	5-10-94	NO	SM/OL	11-35	18	30								CLOSE
PA165	SAN JUAN 31-6, #33	G343106	SEP	10	1000	5-10-94	NO	SC/ML	11-45	13	450								CLOSE

100 NO. 1

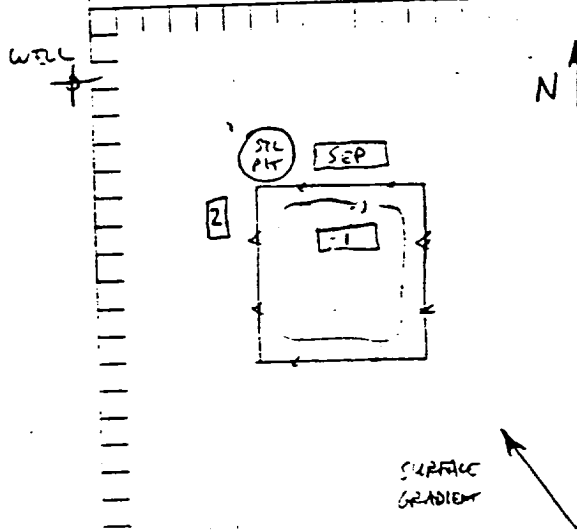
DATE STARTED: _____
DATE FINISHED: 5-5-55
ETHIOG. SPOLT: 250
OPERATOR: CIMARRON
ASSISTANT: K. C.

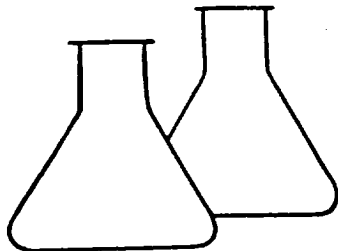
LAND USE: RANGE - LSE # E-347-26
SURFACE CONDITIONS: EMERGENCY PIT ~ 35' x 35' - DEPT -

T1: PIT BUILT ON BEDROCK - APPROX 6" SOIL IN
BOTTOM. YELLOWISH/BROWN SILTY SAND - MOST - NO COCK.

GAC # 460: $792 \times 2 = 1584$
GAC # 461: $17 \times 2 = 34$

0 10 20 FEET

[illegible]



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	T1 @ 3.5'	Date Analyzed:	5-5-94
Project Location:	San Juan 30-5 #77 DK	Date Reported:	5-5-94
Laboratory Number:	GAC0460	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	1600	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	-----	-----	-----
	11,000	12,600	14

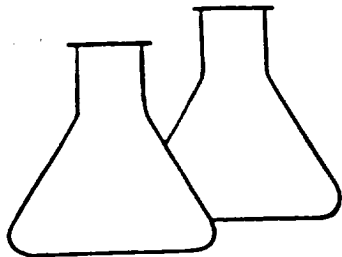
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA145

R. E. O'Neill
Analyst

Mavis Shyang
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	T2 @ 3'	Date Analyzed:	5-5-94
Project Location:	San Juan 30-5 #77 DK	Date Reported:	5-5-94
Laboratory Number:	GAC0461	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	34	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	11,000	12,600	14

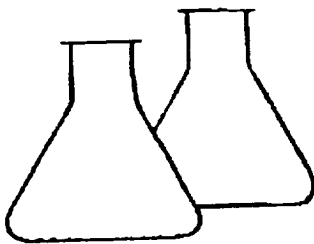
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA145

R. E. O'Neil
Analyst

M. S. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips	Project #:	93163
Sample ID:	Landfarm	Date Sampled:	08-16-94
Laboratory Number:	7824	Date Received:	08-16-94
Sample Matrix:	Soil	Date Analyzed:	08-26-94
Preservative:	Cool	Date Reported:	08-29-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	276	12.0

ND - Parameter not detected at the stated detection limit.
N/A - Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978

Comments: San Juan 30-5 #77 DK Landfarm PA145

Reed L. Griffin
Analyst

Wendell Young
Review