

Denny E. Faust
 District I
DEPUTY OIL & GAS INSPECTOR
 District II
 P.O. Drawer DD, Artesia, NM 88211
 District III **FEB 26 1998**
 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
 SANTA FE OFFICE

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

Approved **PIT REMEDIATION AND CLOSURE REPORT**

Operator : Phillips Petroleum Company Telephone: (505) 599-3462

Address: 5525 Hwy. 64, NBU 3004, Farmington, NM 87401

Facility Or: Blanco # 7
 Well Name

Location: Unit or Qtr/Qtr Sec NWSW Sec 35 T 31N R 8W County San Juan

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 18 ft, width 19 ft, depth 12 ft
 (Attach diagram)

Reference- wellhead X other _____

Footage from reference: 42 ft

Direction from reference: 45 Degrees X East North X
 of
 _____ West South _____

Depth to Ground Water: <u>60 ft</u> (vertical distance from contaminants to seasonal highwater elevation of ground water)	<u>X</u>	Less than 50 feet (20 points)	
		50 ft to 99 feet (10 points)	
		Greater than 100 feet (0 points)	<u>10</u>

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DIST. 3

Wellhead Protection Area: (less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources.)	<u>X</u>	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.)	<u>X</u>	Less than 200 feet (20 points)	
		200 feet to 1000 feet (10 points)	
		Greater than 1000 feet (0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 10

P:\pits\prrc\@.WK3

Date Remediation Started: 9/13/94 Dated Completed: 5/12/95

Excavation Approx. cubic yards 84

Landfarmed Insitu Bioremediation _____

Other _____

Remediation Method: Onsite Offsite _____

(Check all appropriate sections)

General Description of Remedial Action: The site was assessed on 9/13/94. The pit was excavated on 10/19/94 and was determined to be within NMOCD and BLM guidelines. The landfarm was determined to be within guidelines on 5/12/95.

Ground Water Encountered: No Yes _____ Depth _____

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

Sample location See pit closure field report

Sample depth: 12' below ground level

Sample date 10/19/94 Sample time NA

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 0.0

TPH 20 ppm

Ground Water Sample: Yes No (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 10/27/97 PRINTED NAME Bob Wirtanen

SIGNATURE RA Wirtanen and TITLE Sr. Safety & Environmental Specialist

ENVIROTECH Inc.

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

PIT NO: PA2252

C.O.C. NO: _____

FIELD REPORT: SITE ASSESSMENT

JOB No: 93163
PAGE No 1 of 1

PROJECT: PIT ASSESSMENT
CLIENT: Phillips Petroleum
CONTRACTOR: ENVIROTECH, INC.
EQUIPMENT USED: Cimarron Back hoe

DATE STARTED: 9/13/94
DATE FINISHED: 9/13/94
ENVIRO. SPCLT: C.I.C.
OPERATOR: _____
ASSISTANT: _____

LOCATION: LEASE: NM012641 WELL: Blanco QID: #7
SEC: 35 TWP: 31N RNG: 8W PM: NM CNTY: SJ ST: NM PIT: Separator

LAND USE: Range

SURFACE CONDITIONS: _____

PIT CENTER IS LOCATED APPROXIMATELY 42 FEET NE OF WELLHEAD.

CLOSURE STD: 10

60' to 6W

RANKING SCORE: 1,000

0'-1.5' Clay, sand, tan, dry, slight odor

1.5'-3' Clay, shale, grey, dark brown, dry, no odor

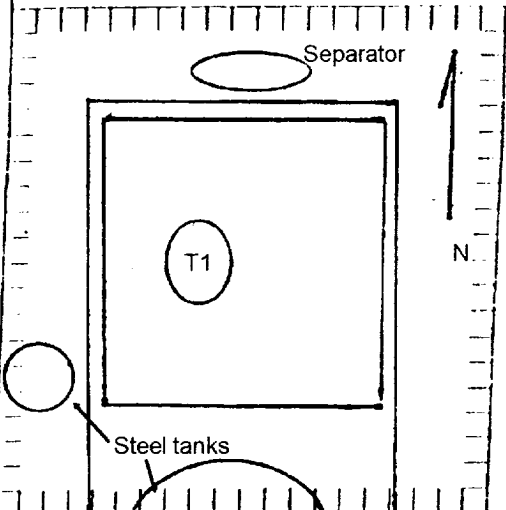
3'-7' Clay, tan, brown, dry, slight odor

TEST HOLE LOGS

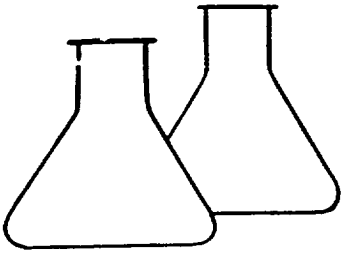
SAMPLE INVENTORY		
SAMPL ID	SAMPL TYPE	LABORATORY ANALYSIS
T1@7'	Soil	96x20= 3920ppm TPH
T1@12'	Soil	25x2= 50ppm TPH



GD	TH# 1			TH#			TH#			TH#		
	SOIL TYPE	SAMPL OWM/TYPE	TPH	SOIL TYPE	SAMPL OWM/TYPE	TPH	SOIL TYPE	SAMPL OWM/TYPE	TPH	SOIL TYPE	SAMPL OWM/TYPE	TPH
1												
2												
3												
4	Pit Bottom											
5	Clay & sand											
6	Clay & shale			221	3920							
7	Clay/tan											
8												
9												
10												
11												
12				35	50							
13												
14												



Soil Type: C - Clay, S - Sand, L - Loam, H - Heavy, M - Muck, G - Gravel, P - Peat, V - Vol



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	T-1 @ 7.0'	Date Analyzed:	9-13-94
Project Location:	Blanco # 7	Date Reported:	9-26-94
Laboratory Number:	GAC0740	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	3,920	100

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	920	900	2

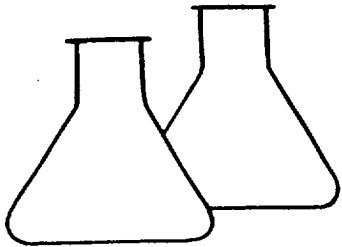
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA252

Analyst

Review



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	T-1 @ 12.0'	Date Analyzed:	9-13-94
Project Location:	Blanco # 7	Date Reported:	9-26-94
Laboratory Number:	GAC0741	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	50	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	920	900	2

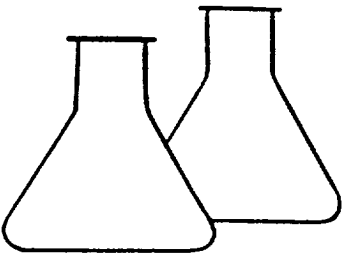
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA252

Analyst

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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	5 @ 12'	Date Analyzed:	10-19-94
Project Location:	BLANCO # 7	Date Reported:	10-21-94
Laboratory Number:	GAC0841	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	20	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	98 *	96	1

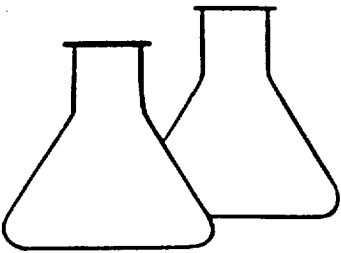
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA252

P. Jack Collins
Analyst

Morris D. Young
Review



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	1 @ 7'	Date Analyzed:	10-19-94
Project Location:	BLANCO # 7	Date Reported:	10-21-94
Laboratory Number:	GAC0842	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	20	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	98 *	96	1

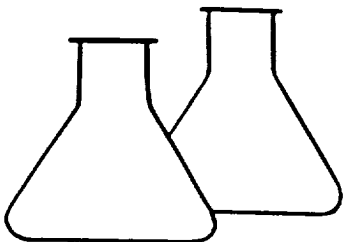
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA252

C. Jack Collins
Analyst

Morris D Young
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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	2 @ 8'	Date Analyzed:	10-19-94
Project Location:	BLANCO # 7	Date Reported:	10-21-94
Laboratory Number:	GAC0843	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	32	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	98 *	96	1

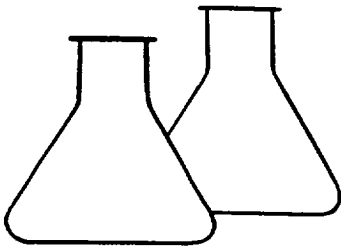
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA252

P. Jack Collins
Analyst

Marilyn Young
Review



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	3 @ 8'	Date Analyzed:	10-19-94
Project Location:	BLANCO # 7	Date Reported:	10-21-94
Laboratory Number:	GAC0845	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	39	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	98 *	96	1

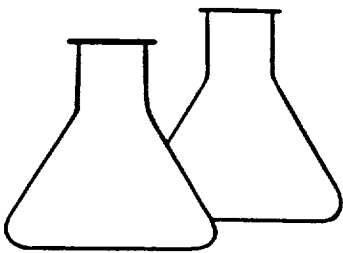
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA252

C. Jack Collins
Analyst

Mavis D. Young
Review



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	4 @ 8'	Date Analyzed:	10-19-94
Project Location:	BLANCO # 7	Date Reported:	10-21-94
Laboratory Number:	GAC0844	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	26	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	98 *	96	1

*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 PA252

Jack Collins
Analyst

Morris D Young
Review

ENVIROTECH Inc

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815

PIT No: PA 252
C.O.C #: 4198

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: Phillips Petroleum
SOURCE LOCATION: Blanco #7
SOURCE LOCATION: Sec 35 31N R8W San Juan Co.
FACILITY CLASSIFICATION: Landfarm PIT TYPE: Separator

DATE STARTED: 5/12/95
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: CJC

SOIL REMEDIATION: QUANTITY: 5.4 yds # OF COMP. SAMPLES: 1
DIMENSIONS: 72' x 42' x 0.75'
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 52 YARDS SE FROM WELLHEAD.

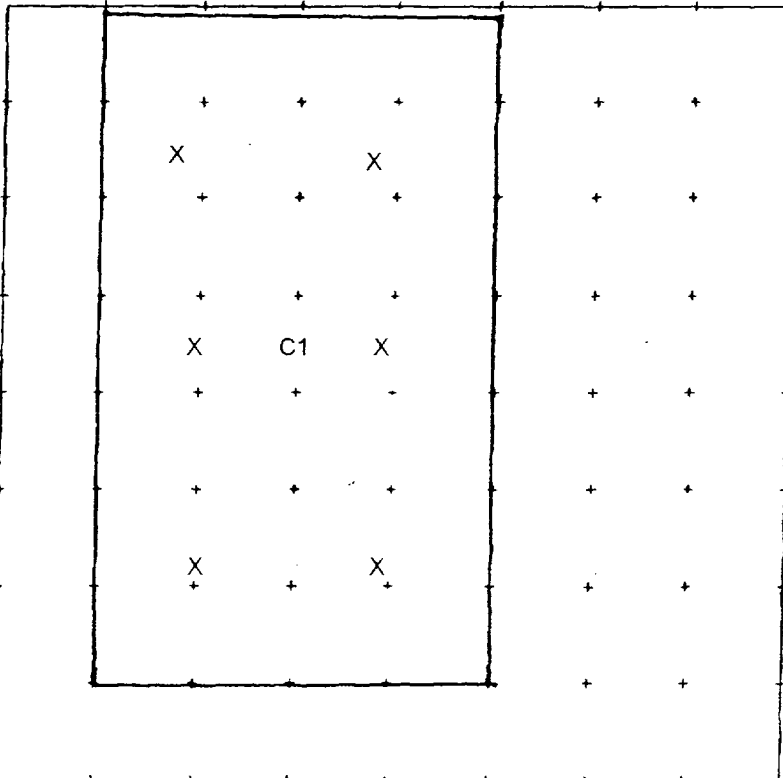
DEPTH TO GROUNDWATER: 60'
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMDCD: 1,000

OK to close

No. OF 5-POINT COMPOSITE SAMPLES:	
YARDAGE--#	
0-200=1	
201-400=2	
401-1000=3	
>1000=5	

FACILITY DIAGRAM

GRID SCALE: 10'

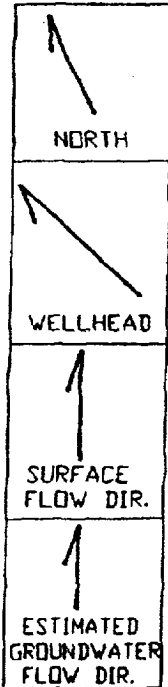


OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PFD (ppm)
C1	0.5

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:
C1	TPH	120



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

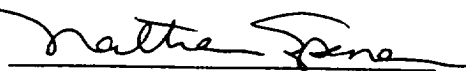
Client:	Phillips	Project #:	93163
Sample ID:	Blanco #7	Date Reported:	05-16-95
Laboratory Number:	8497	Date Sampled:	05-12-95
Chain of Custody No:	4198	Date Received:	05-12-95
Sample Matrix:	Soil	Date Extracted:	05-15-95
Preservative:	Cool	Date Analyzed:	05-15-95
Condition:	Cool and Intact	Analysis Needed:	TPH

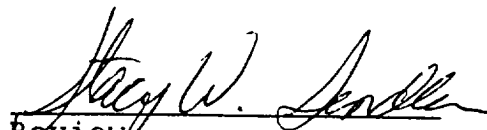
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	119	10.0

ND = Parameter not detected at the stated detection limit.

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

Comments: C1 - L.F.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		Chain of Custody Tape No.		ANALYSIS/PARAMETERS									
Phillips Petroleum / 93163															
Sample: (Signature) <i>E. Frank Collins</i>															
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Remarks									
5.2.32-7 #53 Q1-L.F.	5-12-95	1404	8494	Soil	1	✓									
5.2.32-7 #63DK Q1-L.F.		1210	8495		1	✓									
5.2.32-7 #6 Q1-L.F.		1342	8496		1	✓									
81a 210 #7 Q1-L.F.		1530	8497		1	✓									
5.2.32-7 #80PC Q1-L.F.		1300	8498		1	✓									
5.2.32-7 #57DK Q1-L.F.		1125	8499		1	✓									
Relinquished by: (Signature) <i>E. Frank Collins</i>		Date	Time	Received by: (Signature) <i>Natasha Spencer</i>											
Relinquished by: (Signature)		5-12-95	1700	Received by: (Signature)											
Relinquished by: (Signature)				Received by: (Signature)											

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615