

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
SANTA FE OFFICE

Denny E. [Signature]
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 29-6 Unit #61A

Well Name

Location: Unit or Qtr/Qtr Sec NENW Sec 19 T 29N R 6W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐ Condensate Tank

Land Type: BLM ☐ State ☐ Fee ☒ Other ☐

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AUG - 7 1995

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DIST. 3

Pit Location: Pit dimensions: Length 27', width 47', depth 4'
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: 40'
Direction from reference: 45 Degrees ☒ East North ☒
West South ☐

Depth to Ground Water: 40 ☒ Less than 50 feet (20 points)
(vertical distance from 50 ft to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 points)
highwater elevation of 20
ground water)

Wellhead Protection Area:
(less than 200 feet from a private Yes (20 points)
domestic water source, or: less than X No (0 points)
1000 feet from all other water sources). 0

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

PITCFRM.WK3

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 8/16/93 Dated Completed: 12/9/93

Excavation X Approx. cubic yards 235

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 10 feet below the original pit bottom. The soils were landfarmed on location. The excavation tested clean on 6/20/94. The landfarm tested clean on 12/9/93. 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 14 ft from surface

Sample date 6/20/94 Sample time -

Sample Results

Benzene (ppm) -

Total BTEX (PPM) -

Field Headspace (ppm) 13

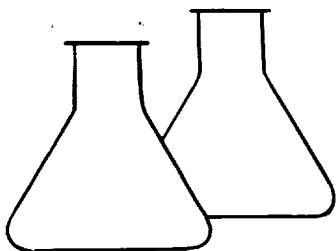
TPH 96

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 8/1/95 PRINTED NAME Ed Hasely

SIGNATURE Ed Hasely and TITLE Environmental Engineer



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 Petroleum Project #:	93163
Sample ID:	Landfarm Composite	Date Sampled: 12-09-93
Laboratory Number:	6656	Date Received: 12-09-93
Sample Matrix:	Soil	Date Analyzed: 12-14-93
Preservative:	Cool	Date Reported: 12-14-93
Condition:	Cool & Intact	Analysis Needed: TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	13.6	10.0

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: SJ 29-6 #61A

Tony T. Talar
Analyst

Mavis D. Young
Review

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

REVISED DATE: JULY 12, 1994 (CLC)

PIT NO.	WELL NAME	DEPTH TO WATER (ft)	NMOC SCORE	TH STD (ppm)	PIT CTR. FROM WELLHEAD	SAMPLE DATE	SAMPLE LOCATION	OVM PPM	TPH (ppm)	EPA METHOD 8020 (PPB)		STATUS
										Benzene	TOT. BTX	
PA016	SAN JUAN 29-5, #20 MV	40	20	100	40' SOUTH	6-15-94	N SIDE @ 8'	11				PERMANENT
							E SIDE @ 9'	14				
							S SIDE @ 8'	4				
							W SIDE @ 8'	34				
							C BOTTOM @ 17'	44	64			
PA036	SAN JUAN 29-6, #61A	40	20	100	45' @ N22E	6-20-94	N SIDE @ 5'	1				PERMANENT
							E SIDE @ 5'	3				
							S SIDE @ 5'	5				
							W SIDE @ 5'	2				
							C BOTTOM @ 14'	13	96			
PA039	SAN JUAN 29-6, #85	50	20	100	56' @ S45W	6-20-94	N SIDE @ 4'	3				PERMANENT
							E SIDE @ 4'	3				
							S SIDE @ 4'	5				
							W SIDE @ 4'	3				
							C BOTTOM @ 15'	3	72			
PA046	SAN JUAN 32-7, #58	> 50	20	100	45' @ S45E	6-21-94	N SIDE @ 5'	0				PERMANENT
							E SIDE @ 5'	0				
							S SIDE @ 5'	1	20			
							W SIDE @ 5'	11				
							C BOTTOM @ 13'	5				
							LANDFARM-SOUTH	2	182			
							LANDFARM-WEST	2	12			
PA047	SAN JUAN 32-7, #43	40	40	100	35' @ S60W	6-23-94	N SIDE @ 5'	0				PERMANENT
							E SIDE @ 4'	0				
							S SIDE @ 4'	0				
							W SIDE @ 4'	0	72			
							C BOTTOM @ 11'	0				
							LANDFARM	0	62			
PA078	SAN JUAN 29-6, #97	130	0	5000	25' EAST	6-20-94	N SIDE @ 4'	98				PERMANENT
							E SIDE @ 3'	713	1000	0	532	
							S SIDE @ 5'	706				
							W SIDE @ 4'	678				
							C BOTTOM @ 15'	621				
PA089	SAN JUAN 29-6, #41-24	150	0	5000	30' @ S70E	6-15-94	N SIDE @ 8'	3				PERMANENT
							E SIDE @ 7'	0				
							S SIDE @ 6'	0				
							W SIDE @ 5'	0				
							C BOTTOM @ 12'	0	98			

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 93163PAGE No: 1 of 1LOCATION: LEASE: San Juan 24-6 WELL #: 61A PIT: SEPDATE STARTED: 6/20/04UNIT: SEC: 19 TWP: 21N RNG: 6W BM: NN CNTY: RA ST: NMDATE FINISHED: 6/20/04CONTRACTOR: CLM/NM 815'NL, 1730'FWLENVIRONMENTAL
SPECIALIST: Tom HansenSOIL REMEDIATION: EXCAVATION APPROX. 27 FT. x 47 FT. x 13 FT. DEEP.DISPOSAL FACILITY: Landfill on siteLAND USE: Range Fee Range ELV. 6245'FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 45 FEET NNE FROM WELLHEAD.DEPTH TO GROUNDWATER: 40' NEAREST SURFACE WATER: 7100' NEAREST WATER SOURCE: >1000'NMCD RANKING SCORE: 20 NMCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

- 0-4.5' silty sand

4.5 - ↓ red/brown clay - dry & slightly moist
very tight

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm
<u>T106</u>	<u>61536</u>	<u>10</u>	<u>20</u>	<u>—</u>	<u>12</u>	<u>24</u>
<u>5014'</u>	<u>570</u>	<u>10</u>	<u>20</u>	<u>—</u>	<u>48</u>	<u>96</u>

SCALE

0

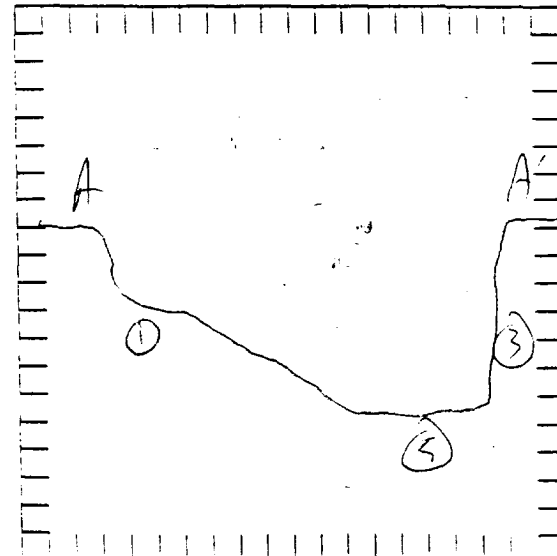
FEET

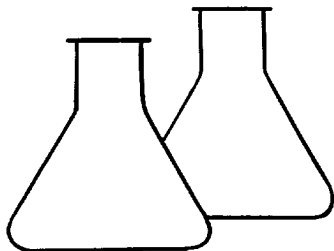
PIT PERIMETER

OVM
RESULTS

SAMPLE	FIELD HEADSPACE PID - ppm
<u>25'</u>	<u>1</u>
<u>25'</u>	<u>3</u>
<u>25'</u>	<u>5</u>
<u>25'</u>	<u>2</u>
<u>214'</u>	<u>13</u>

PIT PROFILE

TRAVEL NOTES: 6/20/046/20/04



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	5 @ 14'	Date Analyzed:	6-20-94
Project Location:	San Juan 29-6 #61A	Date Reported:	6-24-94
Laboratory Number:	GAC0570	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	96	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 PA036

Tom
Analyst

Morris D. Young
Review

PIT NO	WELL NAME	U S T R	PIT TYPE	RANK SCORE	CLOSURE STANDARD (PPM)	DATE 1993	ORGANIZATION ENGINEERED Sub Surf Drph	SOIL TYPE	PIT TYPE	SAMPLE NO.	Organic Vapor Meter (PPM)	Total Recoverable		EPA METHOD 8020 (PPB)				TOTAL BTEX	STATUS
												Per. Hydro.	PPM	Benzene	Toluene	Ethyl Benzene	Xylene		
PA018	SAN JUAN 29 - 6, #1 MV	A032906	SEP	20	100	7-06	NO	CL/SM	EARTHEN	T1-7 T1-12 T1-15 T1-17.5 T2-5 T2-11 T2-17	571 695 201 462 259 2								TEST
PA019	SAN JUAN 31 - 6, #5 MV	K313106	SEP	10	1000	7-06	NO	SM	EARTHEN	T1-2 T1-4.5	29 1.5	0							CLOSE
PA020	SAN JUAN 31 - 6, #50 DK	L313106	SEP	10	1000	7-06	NO	SC	EARTHEN	T1-4 T2-15	284 4	10000							REM
PA021	SAN JUAN 30-5, #78 DK	L073005	SEP	20	100	7-07	NO	CH	EARTHEN	T1-6 T1-9	229 20	53							TEST
PA022	SAN JUAN 30-5, #70 DK	A093005	SEP	0	5000	7-07	NO	CL	EARTHEN	T1-7 T1-12	260 2.3	459							TEST
PA023	SAN JUAN 30 - 5, #103	M033005	SEP			7-07	NO	CL/OH	EARTHEN	T1-5 T1-7	0 1.8	5.8							CLOSE
PA024	SAN JUAN 30-5, #49 DK	M093005	SEP	0	5000	7-07	NO	SM	EARTHEN	T1-3.5 T1-6	91.2 1.8	49.4							CLOSE
PA025	SAN JUAN 30-5, #53 DK	L163005	SEP	10	1000	7-07	NO	SM/CH	EARTHEN	T1-4.5 T1-7	134 14.3	3110 10.1			45	0	90	135	REM
PA026	SAN JUAN 30-5, #51 DK	B213005	SEP	0	5000	7-07	NO	SM	EARTHEN	T1-4.5	44	289							CLOSE
PA027	SAN JUAN 30-5, #76 DK	A153005	SEP	10	1000	7-07	NO	CH	EARTHEN	T1-5.5 T1-8	1.3 0	7.5							CLOSE
PA028	SAN JUAN 30-5, #83 DK	L233005	SEP	10	1000	7-07	NO	SP	EARTHEN	T1-4.5	0	33							CLOSE
PA029	SAN JUAN 30 - 5, #93 DK	A273005	SEP	0	5000	7-08	NO	CL/SM	EARTHEN	T1-6	217	1700		0	70	13.4	102.2	185.6	CLOSE
PA030	SAN JUAN 30-5, #82 DK	D253005	SEP	0	5000	7-08	NO	SM	EARTHEN	T1-5	0	11.8							CLOSE
PA031	SAN JUAN 30-5, #71 DK	M223005	SEP	10	1000	7-08	NO	CL	EARTHEN	T1-7	4	83							CLOSE
PA032	SAN JUAN 30-5, #92 DK	K263005	SEP	0	5000	7-08	NO	SM	EARTHEN	T1-7.5	0	7.8							CLOSE
PA033	SAN JUAN 30-5, #91 GD	L253005	SEP	10	1000	7-08	NO	CL	EARTHEN	T1-7.5	2.9	13.1							CLOSE
PA034	SAN JUAN 30-5, #86 DK	M353005	SEP	0	5000	7-08	NO	CL	EARTHEN	T1-7	1.6	122							CLOSE
PA035	SAN JUAN 29-6, #58A	D282906	SEP	20	100	7-09	NO	CL	EARTHEN	T1-7 T1-12	263 8	7.9							TEST
PA036	SAN JUAN 29-6, #61A	C192906	SEP	20	100	7-09	NO	CL	EARTHEN	T1-7 T1-11 T1-16	189 194 100			0	113	26.7	23.7	163.4	TEST
PA037	SAN JUAN 29-6, #46	K272906	SEP	20	100	7-09	NO	CL	EARTHEN	T1-7	0	0							CLOSE
PA038	SAN JUAN 29-6, #86	N272906	SEP	10	1000	7-09	NO	SM	EARTHEN	T1-6	8.8	35.7							CLOSE

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C.O.C. NO: 2803

FIELD REPORT: SITE ASSESSMENT

JOB No: 93163
PAGE No: 1 of 1

PROJECT: PIT ASSESSMENT
CLIENT: PHILIPS
CONTRACTOR: ENVIROTECH INC.
EQUIPMENT USED: EXTENDAHUE

DATE STARTED: 7-9-93
DATE FINISHED: 7-9-93
ENVIRO. SCOLT: JCR
OPERATOR: Chris Jones
ASSISTANT: —

LOCATION: LEASE: SJ 29-6 WELL: 61A QD: 815FWL x 1730FWL (C)
SEC: 19 TWP: 29N RNG: 6W PM: NM CNTY: RA ST: NM PIT: SEPARATE JUD
LAND USE: RAIRBELAND FEE LEASE
SURFACE CONDITIONS: DRY

FIELD NOTES & REMARKS: PIT IS LOCATED APPROXIMATELY 40 FEET NE OF WELLHEAD.

CLOSURE STD: 100 ppm TPA

Pit Fence 56' x 28', 4' Deep

RANKING SCORE: 20

SAMPLE

[illegible]

7' - Gray/Green, some odor

11' - Brown/Green, v. like odor.

16' - like Brown Sand - No Cls

SAMPLE for 419.1 x BTE x 0.104

① Maximum

TEST HOLE LOGS:

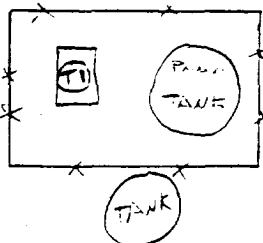
TH#:				TH#:				TH#:				TH#:			
SOIL TYPE		SMPL DEPTH	DWG. TBL	SOIL TYPE		SMPL DEPTH	DWG. TBL	SOIL TYPE		SMPL DEPTH	DWG. TBL	SOIL TYPE		SMPL DEPTH	DWG. TBL
Groundwater				16 SN GRB 132											
1															
2															
3															
4	PIT BOTTOM														
5															
6															
7	CL GRB 189														
8															
9															
10															
11	CL GRB 194														
12															
13															
14															
15															

Cont. D.P.F.: 1 = May, 14 - Sep. 5 = Sept. 10 = Nov. 6
Plasticity: 1 = None, 2 = Poor, 3 = Fair, 4 = Good, 5 = Excellent

SCALE

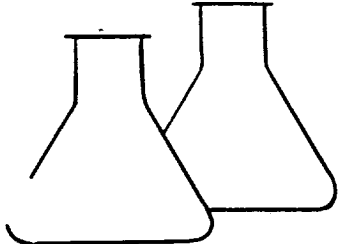
0 8 16 FEET

SITE DIAGRAM



5-2-2019

0 3 1 2 4 6 8



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips	Project #:	93163
Sample ID:	TH1 @ 16'	Date Sampled:	07-09-93
Laboratory Number:	5659	Date Received:	07-09-93
Sample Matrix:	Soil	Date Analyzed:	07-14-93
Preservative:	Cool	Date Reported:	07-14-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	13.2	5.0

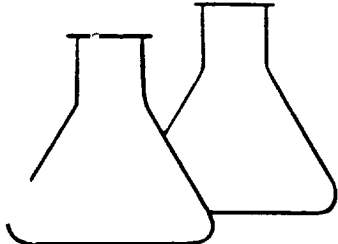
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: San Juan 29-6 Well 61A-Separator, PA036.

Ar Chaparling
Analyst

Morris D. Young
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Phillips	Project #:	93163
Sample ID:	TH 1 @ 16'	Date Reported:	07-13-93
Laboratory Number:	5659	Date Sampled:	07-09-93
Sample Matrix:	Soil	Date Received:	07-09-93
Preservative:	Cool	Date Extracted:	07-12-93
Condition:	Cool & Intact	Date Analyzed:	07-12-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	ND	13.2
Toluene	113	26.4
Ethylbenzene	26.7	13.2
p,m-Xylene	23.7	19.8
o-Xylene	ND	19.8

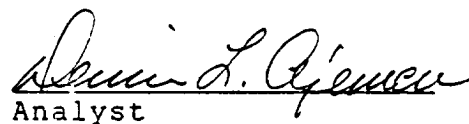
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	91 %
	Bromofluorobenzene	100 %

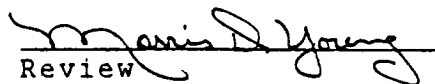
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: San Juan 29-6 Well 61A Separator PA036


Analyst


Review