

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

OK
RECEIVED
SEP 23 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 2

Operator: Phillips Petroleum (Williams Field Services) **Telephone:** (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: SJ 29-5 UNIT #41-31 (86302)
Location: Unit or Qtr/Qtr Sec A Sec 31 T 29N R 5W County Rio Arriba
PitType: Dehydrator
LandType: Fee

Pit Location: Pit dimensions: length 16 ft., width 15 ft., depth 11 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 93 ft.

Direction from reference: 65 Degrees East of North

Depth To Ground Water:	Less than 50 feet	(20 points)
(Vertical distance from	50 feet to 99 feet	(10 points)
contaminants to seasonal	Greater than 100 feet	(0 points) <u>10</u>
high water elevation of		
ground water)		

Wellhead Protection Area:	Yes	(20 points)
(Less than 200 feet from a private	No	(0 points) <u>0</u>
domestic water source, or; less than		
1000 feet from all other water sources)		

Distance To Surface Water:	Less than 200 feet	(20
(Horizontal distance to perennial	points)	
lakes, ponds, rivers, streams, creeks, irrigation	200 feet to 1,000 feet	(10 <u>0</u>
canals and ditches)		

Ranking Score (TOTAL POINTS): 10

Date Remediation Started: 11/1/96

Date Completed: 11/18/96

Remediation Method: Excavation ☒

Approx. Cubic Yard 100

(check all appropriate sections)

Landfarmed ☒Insitu Bioremediation ☐

Other Landfarmed soil after mechanical aeration.

Remediation Location: Onsite ☒ Offsite

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

General Description Of Remedial Action:

The pit was excavated to remove gross petroleum contamination. The excavated material was mechanically aerated and placed into an onsite landfarm. Returned to site 4/6/99 and utilized hydraulic probe to collect sample at 13-14'. TPH: 19.9 HS: 2

Ground Water Encountered: No

Final Pit:

Sample location SJ 29-5 #41-31 EX-V-01

Closure Sampling:

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

A composite sample, made up of 4 points from each excavation face, was collected.

Sample depth Up to 11 feet.

Sample date 11/12/96

Sample time 11:55

Sample Result

Benzene (ppm) 0.93

Total BTEX (ppm) 41.8

Field Headspace (ppm)

TPH (ppm) 66.9

Ground Water Sample: No

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

DATE 9-20-99

SIGNATURE  FOR WFS

PRINTED NAME AND TITLE MARK HARVEY

PROJECT COORDINATOR

PIT RETIREMENT FORM

Date: 11-1-96

Weather _____

Well Name ST 29-5 # 41-31 Operator PHILLIPS PETROLEUM Sec 31 T 29N R 5W UL 990' EUL

Land Type: BLM STATE FEE INDIAN

One Call Made (505-765-1234)?	Y	N
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Line Marking Evident?	Y	N
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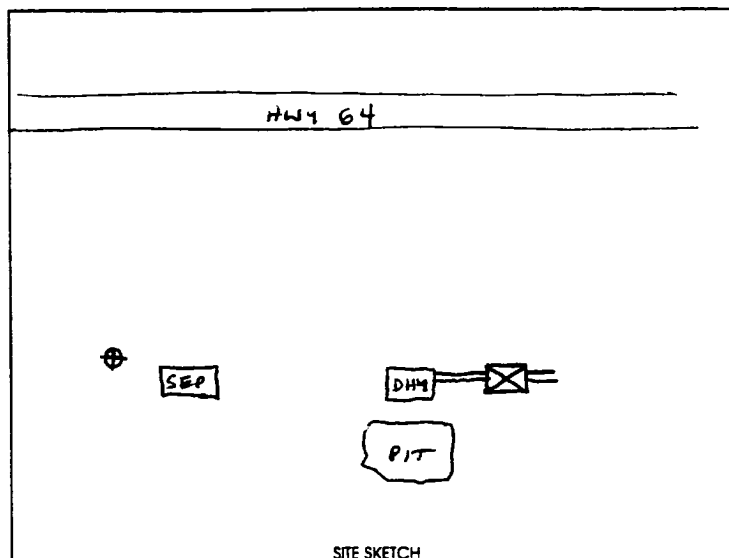
Pit Location:Reference Wellhead X Other

Distance from: 93'

Direction: 65 Degrees X E N Y
of
W S

Starting Pit Dimensions 11' x 11' x 2'

Final Pit Dimensions 16' x 15' x 11'



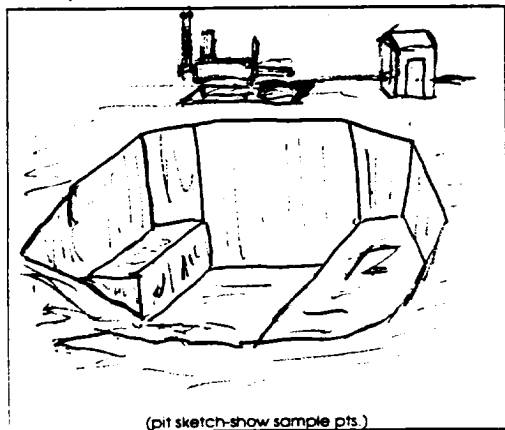
Organic Vapor Readings: Start _____ Soil Description: SILTY CLAY W/ SAND (brown)
 @ 2' _____ " " "
 @ 4' _____ " " "
 @ 6' _____ " " "
 @ 8' _____ SILTY SAND
 @ _____ " "
 @ _____

Well Proximity To: Residence, Domestic Water Well, Stock Well RESIDENCE ~ 1/8 MILE NORTH
Arroyo, Wash, Lake, Stream _____
Estimated or Known Distance to Ground Water _____

Source of Backfill (if other than processed material) _____

Samples collected: Type Progress: Verification: ID S129-5 #41 EX-V-01 soil / water
Progress: Verification: ID S129-5 #41 EX-V-01 soil / water
Progress: Verification: ID _____ soil / water

Sample sent to Lab Via: Courier Hand Carried Other _____ Preservative: ICE Other _____



Comments: THIS SITE ~ 150' FROM HWY 64 — 1/4 MILE FROM CIRCLE S
AT GOVERNADOR — SET UP, EXCAVATE, + SHRED MATERIAL — CONSTRUCT
LANDFARM ON WEST END OF LOCATION — INSTALL SOIL VENT + RE-SAMPLE
TO DETERMINE DEGRADATION EFFECTIVE —

Soil Shipped to: _____
Prepared by: _____



Organic Analysis - Pit Closure

Williams Field Services

Project ID:	OCD Pits	Report Date:	11/18/96
Sample ID:	SJ 29-5 #41-31 EX-V-01	Date Sampled:	11/12/96
Lab ID:	5626	Date Received:	11/12/96
Sample Matrix:	Soil	Date Extracted:	11/13/96
Preservative:	Cool	Date Analyzed:	11/15/96
Condition:	Intact		

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	41.8	
Benzene	0.93	0.66
Toluene	23.5	0.66
Ethylbenzene	1.52	0.66
m,p-Xylenes	14.3	1.32
o-Xylene	1.45	0.66
Total Recoverable Petroleum Hydrocarbons	66.9	23.2

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	108	81 - 117%
	Bromofluorobenzene	92	74 - 121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986; Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:

Review



Organic Analysis - Pit Closure

Williams Field Services

Project ID: OCD Pits
Sample ID: SJ 29-5 #41-31 LF-V-01
Lab ID: 5627
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 11/18/96
Date Sampled: 11/12/96
Date Received: 11/12/96
Date Extracted: 11/13/96
Date Analyzed: 11/15/96

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
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Total Aromatic Hydrocarbons

ND

Benzene	ND	0.23
Toluene	ND	0.23
Ethylbenzene	ND	0.23
m,p-Xylenes	ND	0.46
o-Xylene	ND	0.23

Total Recoverable Petroleum Hydrocarbons

ND

21.3

Quality Control:SurrogatePercent RecoveryAcceptance Limits

Trifluorotoluene	100	81 - 117%
Bromofluorobenzene	90	74 - 121%

Reference:

Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July, 1992.

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Comments:


Review

Q W A L L A B O R A T O R I E S, I N C.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

LABORATORY REPORT:

REFERENCE #: 9904322

SENT WILLIAMS FIELD SERVICE
TO: 295 CHIPETA WAY
SALT LAKE CITY, UTAH 84158
MARK HARVEY
PROJECT: NM PITS

DATE REPORTED: 09/17/99
DATE COLLECTED: 04/06/99
DATE RECEIVED: 04/09/99

Reference Fraction: 9904322-10A
Sample ID: SJ29-5 #41-31 @13-14/86302
Sample Date Collected: 04/06/99 12:30:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
TPH	SW846-8015	19.9	MG/KG	2	04/17/99 KKL

ND=NONE DETECTED
PQL=PRACTICAL QUANTITATION LIMIT
SU=STANDARD UNITS
B=DETECTED IN METHOD BLANK

APPROVED BY:

Terry Koester
TERRY KOESTER
LABORATORY DIRECTOR

PROBE SAMPLE