

District I

P.O. Box 1980, 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 87504-2088SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICEPIT REMEDIATION AND CLOSURE REPORTOperator: Phillips Petroleum Company 017654 Telephone: (505) 599-3400Address: 5525 Hwy 64, NBU 3004, Farmington, NM 87401Facility Or: San Juan 32-8 # 4 API- # 30-045-11414  
Well NameLocation: Unit or Qtr/Qtr Sec K Sec 15 T 32N R 08W County San JuanPit Type: Separator X Dehydrator \_\_\_\_\_ Other \_\_\_\_\_Land Type: BLM X State \_\_\_\_\_ Fee \_\_\_\_\_, Other \_\_\_\_\_Pit Location: Pit dimensions: Length 15 ft, width 15 ft, depth 2 ft  
(Attach diagram)Reference: wellhead X other \_\_\_\_\_Footage from reference: 85 ftDirection from reference: \_\_\_\_\_ Degrees X East North \_\_\_\_\_  
West of South \_\_\_\_\_Depth to Ground Water: >100 feet  
(vertical distance from  
contaminants to seasonal  
highwater elevation of  
ground water)

_____	Less than 50 feet	(20 points)	
_____	50 ft to 99 feet	(10 points)	
<u>X</u>	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)	
<u>X</u>	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)	
<u>X</u>	Greater than 1000 feet	(0 points)	<u>0</u>

P:\pits\FrrC@WK3

RANKING SCORE (TOTAL POINTS):

0

Date Remediation Started: 12/07/01 Date Completed: 12/07/01  
Excavation X Approx. cubic yards 0  
Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Method: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_  
(Check all appropriate sections)

General Description of Remedial Action : Sample from 5-feet below surface (3-feet below pit bottom)  
Was analyzed utilizing an OVM, calibrated to Benzene response. A second sample from the  
Same depth was sent to Intermountain Laboratories. The sample was analyzed utilizing  
U.S.E.P.A. protocol and evaluated for GRO/DRO analysis. Final results were within  
NMOCDC & BLM Guidelines.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

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

Sample location Center Bottom @ 5-feet below surface (see attached lab & field notes)

Sample depth 5 feet

Sample date 12/07/01

Sample time 10:00

Sample Results

Benzene(ppm) \_\_\_\_\_

Total BTEX (PPM) \_\_\_\_\_

Field Headspace (ppm) Non-Detect

GRO/DRO <50.055 ppm

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 12/18/01

PRINTED NAME Robert Wirtanen

SIGNATURE

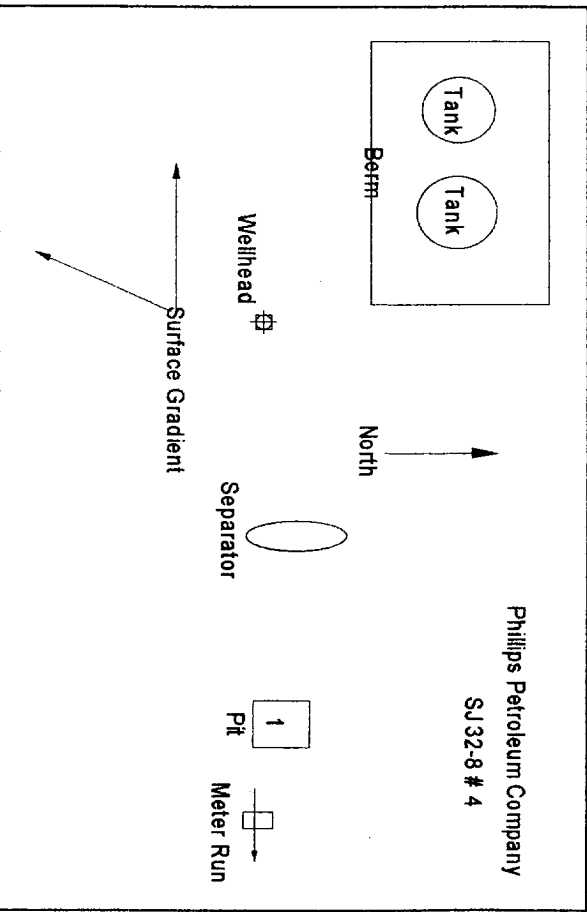
Robert A. Wirtanen

and TITLE

Sr. Safety & Environmental Specialist

Client: Phillips Petroleum Company

Date Began: 12/07/2001 Date End: 12/07/2001

<b>Location:</b> <u>San Juan 32-8 # 4</u>  <b>Unit Letter:</b> <u>"K"</u> <b>Sec.</b> <u>15</u> <b>Twn.</b> <u>32N</u> <b>Rng</b> <u>8W</u>  <b>Pit Reference from Wellhead:</b> <u>85 feet East</u>  <b>Pit:</b> <u>Separator</u>  <b>Initial size:</b> <u>15' x 15' X 2' deep</u>  <b>Final Size:</b> <u>15' x 15' X 2' deep</u> <b>Total Cubic Yards:</b> <u>0</u>  <b>Distances from (ft):</b> <b>Groundwater:</b> <u>&gt;100 ft</u> <b>Wellhead Protection Area:</b> <u>&gt;1000 ft</u> <b>Nearest Surface Water:</b> <u>&gt;1000 ft</u>  <b>Ranking Score (points):</b> <u>0</u>		<b>Site Diagram:</b>  																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sample ID</th> <th style="width: 40%;">Sample Depth (ft)</th> <th style="width: 50%;">OVM Reading</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Center btm @ 5 ft</td> <td>Non-Detect</td> </tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td></tr> </tbody> </table>	Sample ID	Sample Depth (ft)	OVM Reading	1	Center btm @ 5 ft	Non-Detect	2			3			4			5			6			7			8			9			10			<p>Not to Scale</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">N</td> <td style="width: 33%; text-align: center;">S</td> <td style="width: 33%; text-align: center;">E</td> <td style="width: 33%; text-align: center;">W</td> </tr> <tr> <td style="text-align: center;">Pit Bottom 1</td> <td></td> <td style="text-align: center;">Pit Bottom 1</td> <td></td> </tr> </table>		N	S	E	W	Pit Bottom 1		Pit Bottom 1	
Sample ID	Sample Depth (ft)	OVM Reading																																									
1	Center btm @ 5 ft	Non-Detect																																									
2																																											
3																																											
4																																											
5																																											
6																																											
7																																											
8																																											
9																																											
10																																											
N	S	E	W																																								
Pit Bottom 1		Pit Bottom 1																																									
<b>Comments:</b> Topography is mesa bench. Soil is brown clay loam. No hydrocarbon staining or odor was noticed. Sample was extracted from 5 ft below surface (3 ft below pit bottom). Sample from 5-ft was sent to IML for GRO/DRO analysis.																																											

Environmental Specialist: PS



# PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

January 2, 2002



NMOCD

Attn: Denny Foust  
1000 Rio Brazos Rd  
Aztec, NM 87410

Pit Closure for the SJ 32-8 Unit #4  
30-045-11414; Unit K, Sec. 15, T32N, R8W  
San Juan County, New Mexico

Dear Denny:

Attached find the documentation for the pit closure on the subject well. This documentation includes the NMOCD Pit Remediation and Closure Report and BEST (Biosphere Environmental Sciences Technologies) Pit Closure Report, which has a well site diagram and the OVM Reading results. Copies were submitted to Bill Olsen with NMOCD's State Office in Santa Fe and a copy was also submitted to the BLM in Farmington.

If you have questions or need additional information, please call me at 599-3462.

Sincerely,

PHILLIPS PETROLEUM COMPANY

R. A. Wirtanen  
Sr. Safety & Environmental Specialist



Phone (505) 326-4737 Fax (505) 325-4182

**Inter-Mountain Laboratories, Inc.**

2506 West Main Street, Farmington, NM 87401

## PHILLIPS PETROLEUM CO.

On December 14, 2001, one soil sample was submitted to Inter-Mountain Laboratories by Frank McDonald with B.E.S.T. The sample was received intact. Total Petroleum Hydrocarbons as Diesel Range Organics (8015M DRO) and Gasoline Range Organics (8015M GRO) was performed on the sample as per the accompanying Chain of Custody form.

The enclosed reports have been independently reviewed for compliance with IML-Farmington's Quality Assurance Plan and Data Quality Objectives. IML has examined all of the data in the reports and has made every effort possible to make sure it is complete, accurate and compliant. Quality assurance data, if not included, is available upon request. It is the policy of this laboratory to employ, whenever possible, preparatory and analytical methods which have been approved by regulatory agencies. The methods used in the analysis of the sample reported herein are found in: DRO - USEPA: "Test Method for the Determination of Diesel Range Organics", Revision 2, February 1992. GRO - USEPA: "Test Method for the Determination of Gasoline Range Organics", Revision 5, February 1992.

If there any questions regarding the information presented in this package, please feel free to call at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Sharon Williams". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Sharon Williams  
Organic Analyst/IML-Farmington

## Inter-Mountain Laboratories, Inc.

2506 West Main Street  
Farmington, NM 87401


Client: Phillips Petroleum Co.  
Project: SJ 32-8 #4  
Sample ID: CTR BTM 5'  
Lab ID: 0301W05104  
Matrix: Soil  
Condition: Cool/intact

Date Reported: 12/14/01  
Date Sampled: 12/07/01  
Date Received: 12/07/01  
Date Extracted: N/A

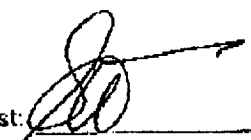
Parameter	Analytical Result	PQL	Units
<b>GRO - METHOD 8015M</b>			
Gasoline Range Organics(C8-C10)	66	50	ug/Kg
Gasoline Range Organics as Gasoline	55	50	ug/Kg
<b>Quality Control - Surrogate Recovery</b>			
	%	<b>QC Limits</b>	
4-Bromofluorobenzene(SUR-8015B)	116	70 - 130	

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By:

  
William Lipps

Analyst:



**Inter-Mountain Laboratories, Inc.**

2508 West Main Street  
Farmington, NM 87401

**Client:** Phillips Petroleum Co.  
**Project:** SJ 32-8 #4  
**Sample ID:** CTR BTM 5'  
**Lab ID:** 0301W05104  
**Matrix:** Soil  
**Condition:** Cool/Intact

**Date Reported:** 12/12/01  
**Date Sampled:** 12/07/01  
**Date Received:** 12/07/01  
**Date Extracted:** N/A

Parameter	Analytical Result	PQL	Units
<b>DRO - METHOD 8015M</b>			
Diesel Range Organics (C10 - C22)	<50	50	mg/Kg
Diesel Range Organics as Diesel	<50	50	mg/Kg
<b>Quality Control - Surrogate Recovery</b>			
	<b>%</b>	<b>QC Limits</b>	
o-Terphenyl(SUR-8015)	112	70 - 130	

**Reference:** SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By:

William Lipps

Analyst:



# CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSES / PARAMETERS							
PPCO		SJ 200-6 214									
Sampler: (Signature) <i>[Signature]</i>		Chain of Custody Tape No.		Remarks							
Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers						
CTR BTM 5	12/7/01	10:00	5104	soil	1						
<i>[Large diagonal line across the table]</i>											
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature)							
Relinquished by: (Signature)		12/7/01	11:12	Received by: (Signature)							
Relinquished by: (Signature)		Date	Time	Received by Laboratory: (Signature)							
				<i>[Signature]</i>							
Inter-Mountain Laboratories, Inc.											
<div><input type="checkbox"/> 555 Absaraka Sheridan, Wyoming 82801 Telephone (307) 674-7506</div> <div><input type="checkbox"/> 1833 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8946</div> <div><input checked="" type="checkbox"/> 1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8845</div> <div><input type="checkbox"/> 11183 State Hwy. 30 College Station, TX 77845 Telephone (979) 778-8945</div>											
					73497						