

District I

P.O. Box 1980, Hobbs, NM

District I

DEPUTY OIL & GAS INSPECTOR

1000 Rio Brazos Rd., Aztec, NM 87411

AUG 29 1997

State of New Mexico
Energy, Minerals and Natural Resources DepartmentOIL 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 Telephone: (505) 599-3400Address: 5525 Hwy. 64, NBU 3004, Farmington, NM 87401Facility Or: San Juan 29 - 5 Unit # 106, PC
Well NameLocation: Unit or Qtr/Qtr Sec ^K NESW Sec 25 T 29N R 5W County Rio ArribaPit Type: Separator X Dehydrator _____ Other _____Land Type: BLM _____, State _____, Fee _____, Other U.S. ForestPit Location: Pit dimensions: Length 24 ft, width 27 ft, depth 7 ft
(Attach diagram)Reference: wellhead X other _____Footage from reference: 50 ftDirection from reference: 80 Degrees _____ East North _____
_____ of _____
X West South X

Depth to Ground Water: <u>280 ft</u>	_____ Less than 50 feet	(20 points)	
(vertical distance from	_____ 50 ft to 99 feet	(10 points)	
contaminants to seasonal	<u>X</u> Greater than 100 feet	(0 points)	<u>0</u>
highwater elevation of			
ground water)			

Wellhead Protection Area:		Yes	(20 points)	
(less than 200 feet from a private		<u>X</u> 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 points)	
(Horizontal distance to perennial		200 feet to 1000 feet	(10 points)	
lakes, ponds, rivers, streams, creeks,	<u>X</u>	Greater than 1000 feet	(0 points)	<u>0</u>
irrigation canals and ditches.)				

P:\pits\Prcc@WK3

RANKING SCORE (TOTAL POINTS): 0

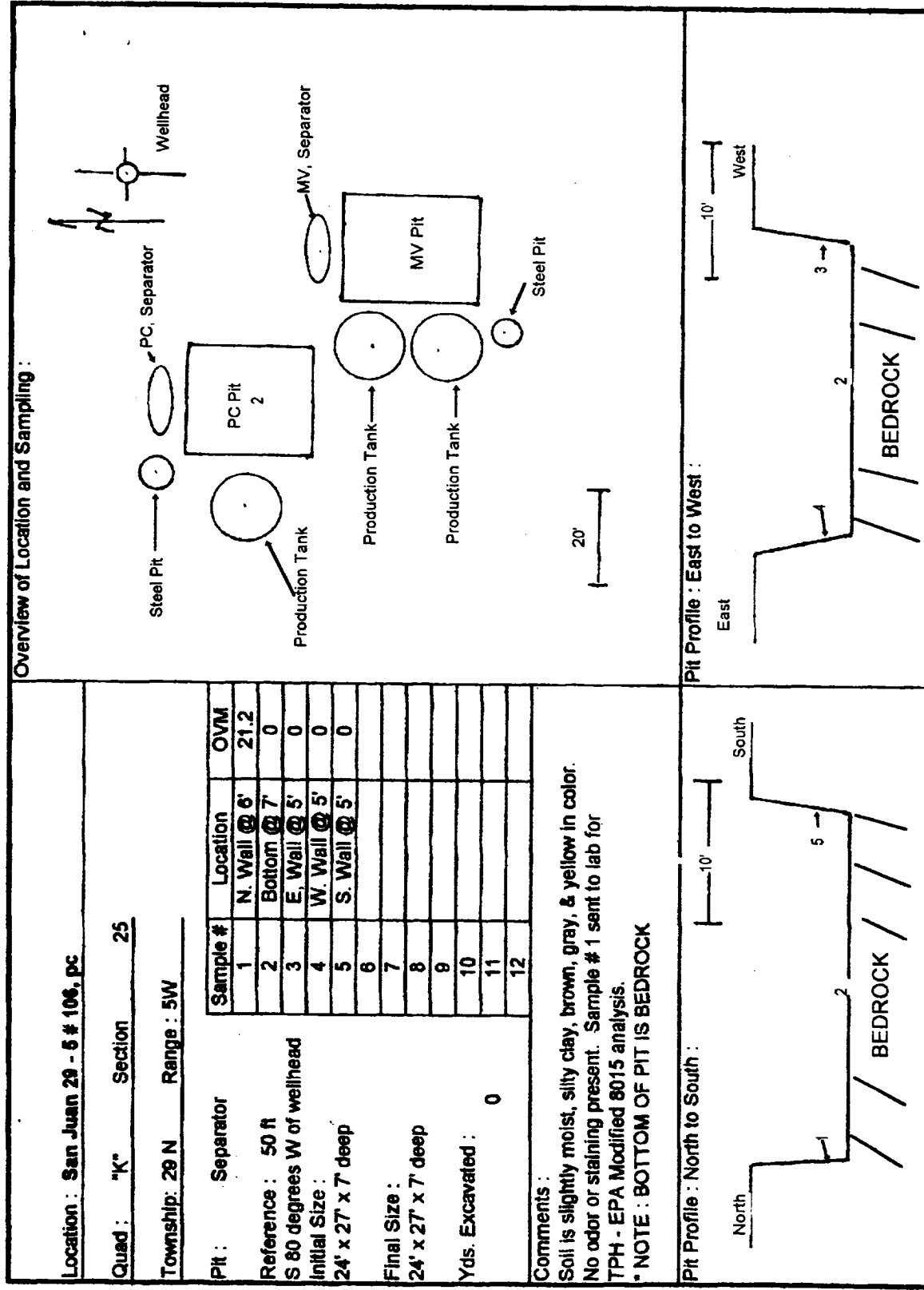
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JUL - 1 1997
OIL CON. DIV.
DIST. 3

Date Remediation Started: <u>N/A</u>		Dated Completed: _____	
Excavation _____		Approx. cubic yards _____	
Landfarmed _____		Insitu Bioremediation _____	
Other _____		_____	
_____		_____	
Remediation Method:	Onsite _____	Offsite _____	_____
(Check all appropriate sections)			
General Description of Remedial Action- <u>N/A</u>			
<u>Pit was sampled from Bedrock bottom and all four walls</u>			

Ground Water Encountered: No <u>X</u> Yes _____ Depth _____			

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample location <u>Center of original pit.</u>		

	Sample depth <u>6' below ground level on N Wall & all four walls & bottom</u>		
	Sample date <u>4/16/97</u> Sample time <u>12:23</u>		
Sample Results			
Benzene(ppm) _____			
Total BTEX (PPM) _____			
Field Headspace (ppm) <u>21.2</u>			
TPH <u>2220 ppm</u>			
Ground Water Sample: Yes No <u>X</u> (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 <u>5-29-97</u>		PRINTED NAME <u>Bob Wirtanen</u>	
SIGNATURE <u>Robert A. Wirtanen</u>		and TITLE <u>Sr. Safety & Environmental Specialist</u>	





2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

Frank McDonald
Cimarron Oilfield Service Co.
P. O. Box 3235
Farmington, NM 87401

8 May 1997

Mr. McDonald:

Enclosed please find the reports for the samples submitted to our laboratory on April 23, 1997.

If you have any questions about the results of the analyses, please don't hesitate to call at your convenience.

Sincerely,

A handwritten signature in cursive script, reading 'Sharon Williams'. The signature is fluid and elegant, with a large initial 'S' and a long, sweeping underline.

Sharon Williams
Organics Lab Supervisor

Enclosure

xc: File

GASOLINE RANGE ORGANICS - GRO

1160 Research Drive
Bozeman, Montana 59718

Client: PHILLIPS PETROLEUM COMPANY
Sample ID: N @ 6'
Project ID: S.J. 29-5 #106
Lab ID: B972088 0397G00685
Matrix: Soil

Date Reported: 05/07/97
Date Sampled: 04/22/97
Date Received: 04/25/97
Date Extracted: 05/01/97
Date Analyzed: 05/02/97

Parameter	Result	PQL	Units
Gasoline Range Organics	58	5.0	mg/kg
Gasoline Range Organics as Gasoline	58	5.0	mg/kg
Total Purgeable Hydrocarbons	120	5.0	mg/kg
QUALITY CONTROL - Surrogate Recovery	%	QC Limits	
Bromofluorobenzene	130	40 - 163	

ND - Not Detected at Practical Quantitation Level (PQL)

Reference: GRO - USEPA Method for Determination of Gasoline Range Organics, Rev. 5, February 1992.
WTPH-G Total Petroleum Hydrocarbons Analytical Methods for Soil, Washington State Department of Ecology, Revision 6, 08/18/93.

Analyst SD

Reviewed CDK

DIESEL RANGE ORGANICS - DRO

Client: PHILLIPS PETROLEUM COMPANY
Sample ID: N @ 6'
Project ID: S.J. 29-5 #106
Lab ID: B972088 0397G00685
Matrix: Soil

Date Reported: 05/07/97
Date Sampled: 04/22/97
Date Received: 04/25/97
Date Extracted: 05/02/97
Date Analyzed: 05/05/97

Parameter	Result	PQL	Units
Diesel Range Organics	2000	5.0	mg/kg
Diesel Range Organics as Diesel	2000	5.0	mg/kg
Total Extractable Hydrocarbons	2100	5.0	mg/kg

ND - Not Detected at Practical Quantitation Level (PQL)

Reference: DRO - USEPA Method for Determination of Diesel Range Organics. Revision 3, 05/08/92.
WTPH-D Total Petroleum Hydrocarbons Analytical Methods for Soil, Washington State Department of Ecology, Revision 3, October 1991.

Analyst



Reviewed



QUALITY ASSURANCE / QUALITY CONTROL

**LAB QA/QC
GASOLINE RANGE ORGANICS - GRO
INSTRUMENT BLANK**

Date Analyzed: 05/02/97
Lab ID: IBS97122A
Matrix: Water

Parameter	Result	PQL	Units
Gasoline Range Organics	ND	0.01	mg/L
Gasoline Range Organics as Gasoline	ND	0.01	mg/L
Total Purgeable Hydrocarbons	ND	0.01	mg/L

QUALITY CONTROL - Surrogate Recovery	%	QC Limits
Bromofluorobenzene	88	40 - 163

ND - Not Detected at Practical Quantitation Level (PQL)

Analyst 20

Reviewed WJ

LAB QA/QC
GASOLINE RANGE ORGANICS - GRO
INSTRUMENT BLANK

Date Analyzed: 05/05/97
Lab ID: IBS97125A
Matrix: Water

Parameter	Result	PQL	Units
Gasoline Range Organics	ND	0.01	mg/L
Gasoline Range Organics as Gasoline	ND	0.01	mg/L
Total Purgeable Hydrocarbons	ND	0.01	mg/L
QUALITY CONTROL - Surrogate Recovery	%	QC Limits	
Bromofluorobenzene	80	40 - 163	

ND - Not Detected at Practical Quantitation Level (PQL)

Analyst SD

Reviewed CAF

**LAB QA/QC
GASOLINE RANGE ORGANICS - GRO
METHOD BLANK**

Date Analyzed: 05/05/97
Lab ID: MBS97121
Matrix: Sand
Date Extracted 05/01/97

Parameter	Result	PQL	Units
Gasoline Range Organics	ND	5.0	mg/kg
Gasoline Range Organics as Gasoline	ND	5.0	mg/kg
Total Purgeable Hydrocarbons	ND	5.0	mg/kg

QUALITY CONTROL - Surrogate Recovery	%	QC Limits
Bromofluorobenzene	97	40 - 163

ND - Not Detected at Practical Quantitation Level (PQL)

Analyst SVJ

Reviewed 

LAB QA/QC
GASOLINE RANGE ORGANICS - GRO
MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY

Date Analyzed: 05/05/97
Lab ID: 0597H02175
Matrix: Sand
Date Extracted: 05/01/97

Original Sample Parameters

Parameter	Spike Added (mg/kg)	Sample Result (mg/kg)	Spike Result (mg/kg)	MS Recovery %	QC Limits Rec.
Gasoline Range Organics as Gasoline	20	0	13	65	52 - 117

Duplicate Sample Parameters

Parameter	Spike Added (mg/kg)	MSD Result (mg/kg)	MSD Recovery %	RPD %	QC Limits RPD Rec.
Gasoline Range Organics as Gasoline	20	16	80	21	25 52 - 117

Note: Spike Recoveries are calculated using zero for Sample result
if Sample result was less than PQL (Practical Quantitation Level).

Spike Recovery: 0 out of 2 outside QC limits.
RPD: 0 out of 1 outside QC limits.

Analyst SOReviewed GDA

**LAB QA/QC
GASOLINE RANGE ORGANICS - GRO
LAB CONTROL SAMPLE**

Date Analyzed: 05/05/97
Lab ID: LCS97121A
Matrix: Sand
Date Extracted 05/01/97

Parameter	Spike Added (mg/kg)	Sample Result (mg/kg)	LCS Result (mg/kg)	LCS Recovery %	QC Limits Rec.
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Gasoline Range Organics as Gasoline	20	0	19	95	52 -117
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QUALITY CONTROL - Surrogate Recovery	%	QC Limits

Bromofluorobenzene	102	40 -163

Spike Recovery: 0 out of 1 outside QC limits.
Surrogates: Surrogate Recoveries within QC Limits.

Analyst SDReviewed WJ

LAB QA/QC
GASOLINE RANGE ORGANICS - GRO
LAB CONTROL SAMPLE

Date Analyzed: 05/05/97
Lab ID: LCS97121B
Matrix: Sand
Date Extracted 05/01/97

Parameter	Spike Added (mg/kg)	Sample Result (mg/kg)	LCS Result (mg/kg)	LCS Recovery %	QC Limits Rec.
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Gasoline Range Organics as Gasoline	25	0	14	56	52 -117
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QUALITY CONTROL - Surrogate Recovery	%	QC Limits
Bromofluorobenzene	100	40 -163

Spike Recovery: 0 out of 1 outside QC limits.
Surrogates: Surrogate Recoveries within QC Limits.


Analyst SDReviewed KCH

**LAB QA/QC
DIESEL RANGE ORGANICS - DRO
METHOD BLANK**

Date Analyzed: 05/05/97
Lab ID: MBS970122
Matrix: Sand
Date Extracted 05/02/97

Parameter	Result	PQL	Units
Diesel Range Organics	ND	5.0	mg/kg

ND - Not Detected at Practical Quantitation Level (PQL)

Analyst 

Reviewed 

**LAB QA/QC
DIESEL RANGE ORGANICS - DRO
BLANK SPIKE / BLANK SPIKE DUPLICATE SUMMARY**

Date Analyzed: 05/05/97
Lab ID: BSS970122
Matrix: Sand
Date Extracted: 05/02/97

Original Sample Parameters

Parameter	Spike Added (mg/kg)	Sample Result (mg/kg)	Spike Result (mg/kg)	BS Recovery %	QC Limits Rec.
Diesel Range Organics	25.5	0	20	78	50 - 150

Duplicate Sample Parameters

Parameter	Spike Added (mg/kg)	BSD Result (mg/kg)	BSD Recovery %	RPD %	QC Limits RPD Rec.
Diesel Range Organics	25.5	21	82	5	40 50 - 150

Note: Spike Recoveries are calculated using zero for Sample result
if Sample result was less than PQL (Practical Quantitation Level).

Spike Recovery: 0 out of 2 outside QC limits.

RPD: 0 out of 1 outside QC limits.

Analyst



Reviewed





CHAIN OF CUSTODY RECORD

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