

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88221
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

Approved Olson
3/6/2003

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-10174

Operator: PNM Gas Services (Snyder) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Kaufmann #1

Location: Unit H Sec 33 T 31 N R 13 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other

Land Type: BLM ☐ State ☐ Fee ☒ Other No

Pit Location: Pit dimensions: length 20 width 20 depth 3

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 318'

Direction from reference: 20 Degrees ☒ East North ☒
of ☐ West South ☐

Depth to Ground Water:

(Vertical distance from contaminants to
seasonal high water elevation of ground
water)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>20</u>

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than 1,000
feet from all other water sources)

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)

Less than 200 feet	(20 points)	
200 feet to 1,000 feet	(10 points)	
Greater than 1,000 feet	(0 points)	<u>20</u>

RANKING SCORE (TOTAL POINTS): 40

Kaufmann #1

Date Remediation Started: 2/29/96 Date Completed: 3/12/96

Remediation Method: Excavation X Approx. Cubic Yard 899

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) _____

Other _____

Remediation Location: Onsite _____ Offsite Langendorf #1E Sec. 34, T31N, R13W
(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to pit sizes of 40' X 48' X 7' & 144' X 5' X 6' and landfarmed soil offsite at Langendorf #1E within a bermed area at a depth of 6" to 12". Soil was aerated by plowing/disking until soil met regulatory levels.

Ground Water Encountered: No ☐ Yes ☒ Depth 4'

Final Pit Closure Sampling: Sample Location **

(if multiple samples, attach sample result and diagram of sample locations and depths.) Sample depth _____

Sample date ** Sample time _____

Sample Results

Benzene (ppm) ** **** - Soil samples not taken. See groundwater report.**

Total BTEX (ppm) **

Field headspace (ppm) _____

TPH (ppm) ** Method _____

Vertical Extent (ft) _____ Risk Assessment form attached Yes ☐ No ☐

Ground Water Sample: Yes ☒ No ☐ (If yes, see attached Groundwater Site Summary Report)

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

DATE October 27, 1997

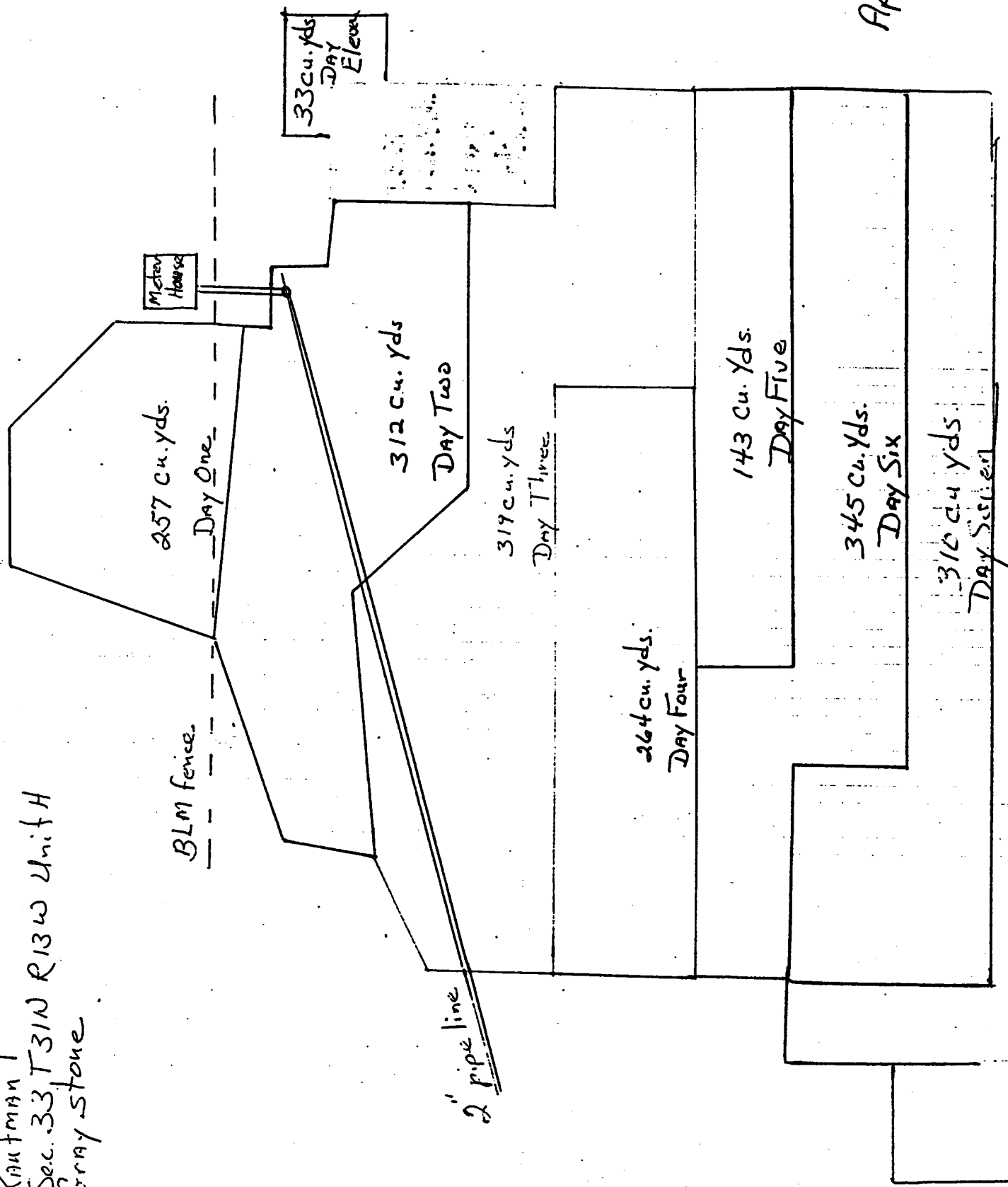
SIGNATURE 

PRINTED NAME **Denver Bearden**
AND TITLE **Administrator III**

EXCAVATION WORK SHEET

Well Name	Operator	S	T	R	UL
Kaufman #1	Snyder	33	31N	12W	
Pit Dimensions at Start		Excavation Dimensions at End			
20X20X3		40'X48'X7' & 144'X5X6'			
Excavated Cu. Yds.	Overburden Cu. Yds.	Spoil Cu. Yds.			
899	0	899			
Middle of Pit					
Feet	PID ppm	Soil Type			
3'	710	sand	clay	cobbles	sandstone cleachy
6'	614	sand	clay	cobbles	sandstone cleachy
9'(7')	111	sand	clay	cobbles	sandstone cleachy
12'		sand	clay	cobbles	sandstone cleachy
15'		sand	clay	cobbles	sandstone cleachy
18'		sand	clay	cobbles	sandstone cleachy
		sand	clay	cobbles	sandstone cleachy
Composite Sample #Water 9603041000 & #9602291140					
Location		Depth		PID Reading	
North Wall					
South Wall					
East Wall					
West Wall					
Pit Bottom					
Land Farm Location:		Langendorf #1E			
Sec. 34,31N,13W					
Back Fill Location:		BLM Wash 1.2 miles north			
Comments:					

Kaufman 1
Sec. 33 T31N R13W Unit H
Gray stone



Approx. 2550 cu. y.

N ↑
1:1 + 1 Scale

131 cu. yds.
Day Ten

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Apr-00

Client:	PNM - Public Service Company of NM	Client Sample Info:	Kaufman 1
Work Order:	0004035	Client Sample ID:	0004111450; LF #1
Lab ID:	0004035-01A	Matrix:	SOIL
Project:	Kaufman 1	Collection Date:	4/11/2000 2:50:00 PM
		COC Record:	8516

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	130	25		mg/Kg	1	4/12/2000

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

1 of 3

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Apr-00

Client:	PNM - Public Service Company of NM	Client Sample Info:	Kaufman 1
Work Order:	0004035	Client Sample ID:	0004111416; LF #2
Lab ID:	0004035-02A	Matrix:	SOIL
Project:	Kaufman 1	Collection Date:	4/11/2000 2:16:00 PM
		COC Record:	8516

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C10-C28	110	25		mg/Kg	1	Analyst: DM 4/12/2000

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

2 of 3

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Apr-00

Client:	PNM - Public Service Company of NM	Client Sample Info:	Kaufman 1
Work Order:	0004035	Client Sample ID:	0004111435; LF #3
Lab ID:	0004035-03A	Matrix:	SOIL
Project:	Kaufman 1	Collection Date:	4/11/2000 2:35:00 PM
		COC Record:	8516

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	87	25		mg/Kg	1	4/12/2000

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

3 of 3

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 26-Apr-00

Client:	PNM - Public Service Company of NM	Client Sample Info:	Kaufman 1
Work Order:	0004039	Client Sample ID:	0004170717; LF #1 7pt Comp
Lab ID:	0004039-01A	Matrix:	SOIL
Project:	Kaufman 1 Landfarms	Collection Date:	4/17/2000 7:17:00 AM
		COC Record:	8517

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	62	25		mg/Kg	1	4/17/2000

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 26-Apr-00

Client:	PNM - Public Service Company of NM	Client Sample Info:	Kaufman 1
Work Order:	0004039	Client Sample ID:	0004170735; LF #2 6pt Comp
Lab ID:	0004039-02A	Matrix:	SOIL
Project:	Kaufman 1 Landfarms	Collection Date:	4/17/2000 7:35:00 AM
		COC Record:	8517

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C10-C28	35	25		mg/Kg	1	Analyst: DM 4/17/2000

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

1 of 1

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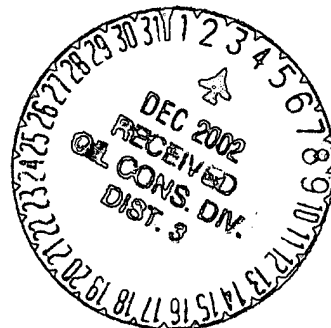
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Approved Olson
3/6/2003
Williams

Environmental Project Services
187 County Road 4980
Bloomfield, NM 87413
505-632-4409 Phone
505-632-4405 Fax

November 12, 2002

Mr. Bill Olson
Hydrogeologist
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505



RE: KAUFMAN #1 PIT REMEDIATION AND CLOSURE REPORT

Dear Mr. Olson:

Enclosed please find information on remediation and closure activities associated with the unlined surface impoundment located at the Kaufman #1 site. Public Service Company of New Mexico (PNM) previously owned the site and initiated closure activities on February 29, 1996. The site later became an asset of Williams upon purchase of Gas Company of New Mexico (GCNM) from PNM. Upon expiration of PNM's retained environmental liabilities associated with the site, Williams agreed to complete necessary closure work. As such, the enclosed documentation reflects activities of both PNM and Williams.

Site History

Excavation of petroleum hydrocarbon impacted soil beneath the unlined surface impoundment was conducted in two phases. Phase I began on February 29, 1996 with the excavation and landfarming of approximately 899 cubic yards of contaminated soil. The excavation was terminated at a depth of 6-feet, where ground water was encountered. A sample of ground water collected from the excavation contained benzene (362.8 µg/l) and total xylenes (1085.8 µg/l) at concentrations in excess of Water Quality Control Commission (WQCC) standards. A letter notifying the Oil Conservation Division (OCD) of ground water contamination at the site was submitted on March 11, 1996.

To evaluate the magnitude and extent of ground water contamination, four monitoring wells were installed on March 13, 1996. Free-phase product was not encountered in any well. Quarterly ground water samples were collected from the wells through March of 2002.

Phase II began on February 12, 2000 with the excavation and landfarming of an additional 2500 cubic yards of contaminated soil from an area located west and south of the initial excavation. This secondary source removal was triggered by the discovery of soil contamination by the Bureau of Land Management (BLM) during a fence installation project. A ground water sample collected from the excavation contained benzene (460 µg/l) and total xylenes (9600 µg/l) at levels in excess of WQCC standards. A letter notifying the OCD of ground water contamination was submitted on March 30, 2000. Four wells were added to the monitoring network to evaluate the newly defined contaminant plume.

Exhibit A contains the original PNM Pit Remediation and Closure Report filing. In addition, excavation maps, field notes and landfarm confirmation sample results are included.

Site Hydrogeology

The Kaufman #1 site is located in Unit H, Section 33, Township 31N, Range 13W of San Juan County, New Mexico (Figure 1). The site lies within the La Plata River flood plain. The alluvial sediments consist primarily of sand and cobbles extending to an unknown depth.

Ground water in the unconsolidated sediments is unconfined and the depth to ground water is typically around 6-feet below ground level. Hydrographs for the wells were included in the Annual Ground Water Reports previously submitted to you. Ground water flows to the southwest toward the La Plata River. A potentiometric surface map is included as Figure 2. The average hydraulic gradient across the site is 0.005. Hydraulic conductivities of the sediments are likely on the order of 10^{-2} to 1 cm/sec.

Monitoring Results

Concentrations of benzene, toluene, ethylbenzene and xylene (BTEX) were analyzed in water samples collected quarterly from March 1996 through March 2002. Four of the eight wells in the monitoring network had BTEX concentrations in excess of WQCC standards. Well MW-2, located in the former source area, contained the highest BTEX levels. Downgradient wells MW-6, MW-7 and MW-8 respectively located 255-feet, 360-feet and 510-feet downgradient of the source area, also contained measurable concentrations of the BTEX compounds. Table 1 summarizes the ground water analytical results. Copies of laboratory analytical reports not previously submitted are attached.

Natural attenuation processes active at the site resulted in a steady decrease in BTEX over the six-year monitoring period. The initial concentration of total BTEX in well MW-2 was 1173.2 µg/l. One and one-half years later, in August 1997, the total BTEX concentration was reduced to 54.9 µg/l. During phase II of the project, monitoring wells MW-5, MW-6, MW-7 and MW-8 were installed. Well MW-5 acted as a sentinel well and consistently demonstrated that no off-site migration of BTEX occurred. Total BTEX in well MW-8 was 387 µg/l at the time of initial sampling. These concentrations decreased to non-detectable levels in less than one-year. For the last four consecutive quarters of monitoring the concentrations of the BTEX compounds have remained below the WQCC standards in all monitoring wells.

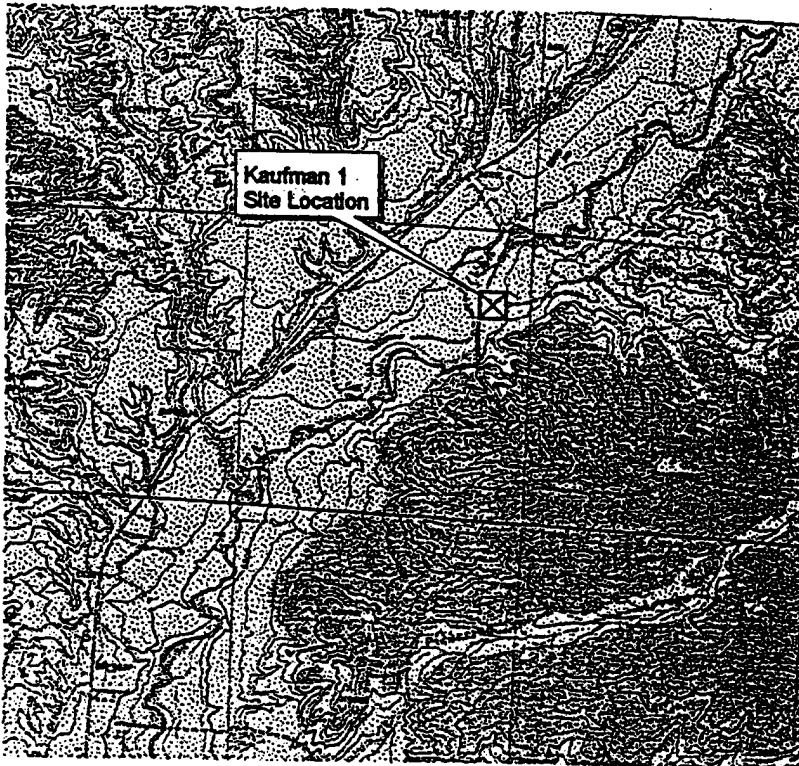
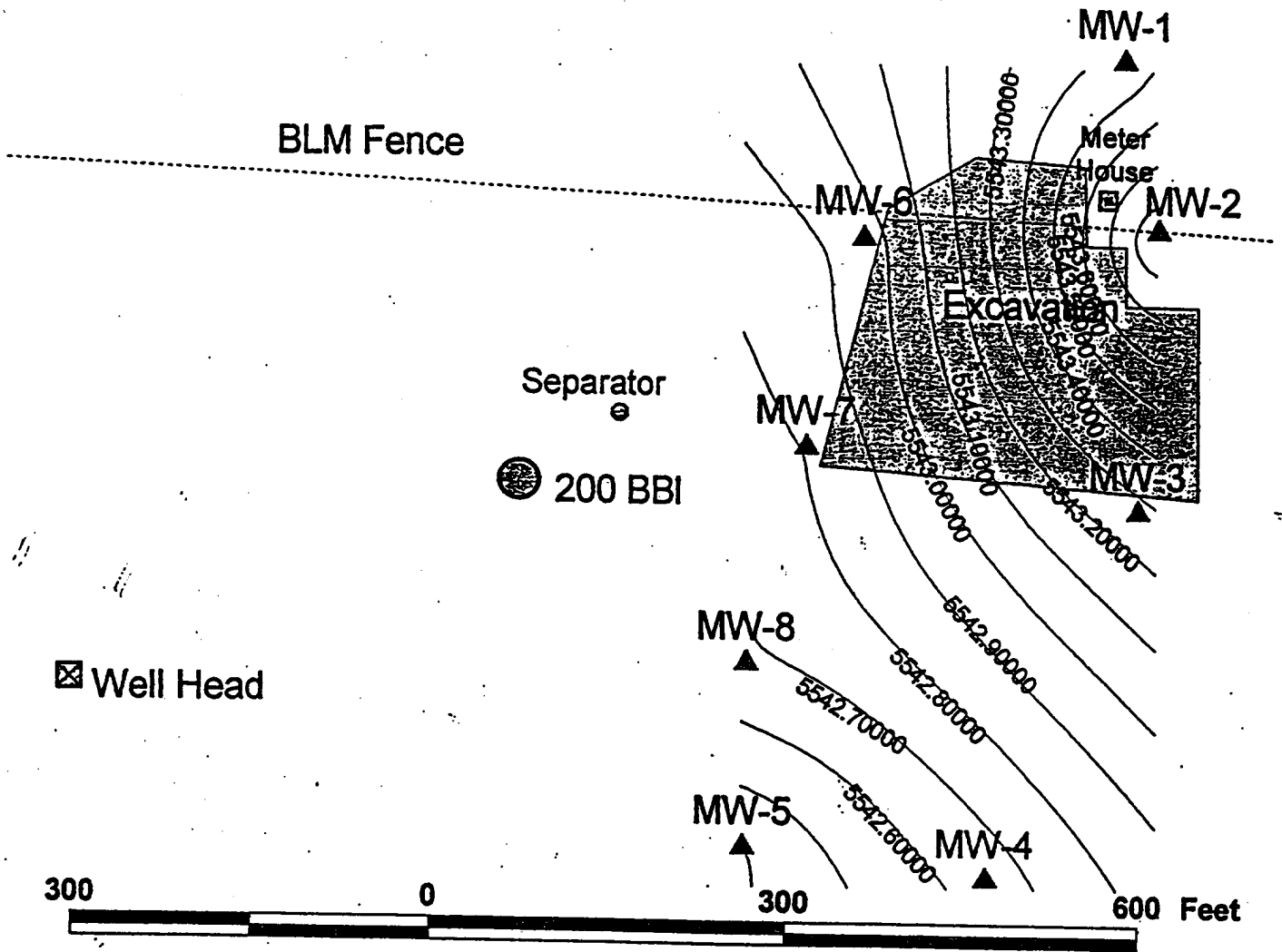
Summary

The unlined surface impoundment at the Kaufman #1 site was addressed consistent with OCD Order 7940-C and with the guidelines pertaining to the remediation of unlined surface impoundments. The work included the removal of hydrocarbon-impacted soil and an evaluation of ground water impacted by the historical operation of the impoundment. A network of ground water monitoring wells was installed and ground water analyses showed that a BTEX plume existed in the vicinity of the former pit location. Natural attenuation of the BTEX compounds resulted in contaminant degradation to concentrations less than WQCC standards.

Based on current site conditions, Williams requests approval for closure of the Kaufman #1 site. Following receipt of your closure approval we will plug and abandon the monitoring wells in accordance with applicable regulations. Williams appreciates your time in reviewing this site closure request. If you have any questions or require any additional information, please contact me at 505-632-4409 or Jim Struhs, Project Hydrogeologist at 505-632-4457.

Kaufman 1 Well Site

S33 T30N R13W Unit H



- Meter House
- Groundwater Contours 3/28/99
- BLM Fence line
- Excavation
- Well Head
- Separator
- 200 bbl.shp
- Monitor Wells



SAMPLE SUMMARY

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Phone: 913.599.5665
Fax: 913.599.1759

Lab Project Number: 6057813

Client Project ID: SJB-GW KAUF1

Project Sample Number	Sample Number	Client Sample ID	Matrix	Date Collected	Date Received
6057813-001	605034529	150220MAR02	Water	03/20/02 15:02	03/27/02 09:40
6057813-002	605034537	145120MAR02	Water	03/20/02 14:51	03/27/02 09:40
6057813-003	605034552	143820MAR02	Water	03/20/02 14:38	03/27/02 09:40
6057813-004	605034560	142320MAR02	Water	03/20/02 14:23	03/27/02 09:40
6057813-005	605034578	135420MAR02	Water	03/20/02 13:54	03/27/02 09:40
6057813-006	605034594	140820MAR02	Water	03/20/02 14:08	03/27/02 09:40
6057813-007	605034602	134220MAR02	Water	03/20/02 13:42	03/27/02 09:40
6057813-008	605034651	132820MAR02	Water	03/20/02 13:28	03/27/02 09:40
6057813-009	605034669	TRIPBLANK	Water	03/20/02	03/27/02 09:40

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6057813
Client Project ID: SJB-GW KAUF1

Project			Analysis		Analysis Description	Analytes Reported
Sample Number	Sample No	Client Sample ID	Code			
6057813-001	605034529	150220MAR02	8020	WPAC	Aromatic Volatile Organics	5
6057813-002	605034537	145120MAR02	8020	WPAC	Aromatic Volatile Organics	5
6057813-003	605034552	143820MAR02	8020	WPAC	Aromatic Volatile Organics	5
6057813-004	605034560	142320MAR02	8020	WPAC	Aromatic Volatile Organics	5
6057813-005	605034578	135420MAR02	8020	WPAC	Aromatic Volatile Organics	5
6057813-006	605034594	140820MAR02	8020	WPAC	Aromatic Volatile Organics	5
6057813-007	605034602	134220MAR02	8020	WPAC	Aromatic Volatile Organics	5
6057813-008	605034651	132820MAR02	8020	WPAC	Aromatic Volatile Organics	5
6057813-009	605034669	TRIPBLANK	8020	WPAC	Aromatic Volatile Organics	5

REPORT OF LABORATORY ANALYSIS

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MILE HIGH ENVIRONMENTAL
187 C.R. 4980
Bloomfield, NM 87413

Lab Project Number: 6057813
Client Project ID: SJB-GW KAUF1

Attn: Mr. Jim Struhs
Phone: (505)632-4457

Lab Sample No: 605034529 Project Sample Number: 6057813-001 Date Collected: 03/20/02 15:02
Client Sample ID: 150220MAR02 Matrix: Water Date Received: 03/27/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC Volatiles								
Aromatic Volatile Organics	Prep/Method: EPA 8021 / EPA 8021							
Benzene	ND	ug/l	2.0	03/29/02 14:38	SHF	71-43-2		
Ethylbenzene	ND	ug/l	2.0	03/29/02 14:38	SHF	100-41-4		
Toluene	ND	ug/l	2.0	03/29/02 14:38	SHF	108-88-3		
Xylene (Total)	ND	ug/l	5.0	03/29/02 14:38	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	103	%		03/29/02 14:38	SHF	2164-17-2		

Date: 04/09/02

Page: 1

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6057813

Client Project ID: SJB-GW KAUF1

Lab Sample No: 605034537
Client Sample ID: 145120MAR02

Project Sample Number: 6057813-002

Matrix: Water

Date Collected: 03/20/02 14:51

Date Received: 03/27/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC Volatiles								
Aromatic Volatile Organics	Prep/Method: EPA 8021 / EPA 8021							
Benzene	ND	ug/l	2.0	03/29/02 15:07	SHF	71-43-2		
Ethylbenzene	ND	ug/l	2.0	03/29/02 15:07	SHF	100-41-4		
Toluene	ND	ug/l	2.0	03/29/02 15:07	SHF	108-88-3		
Xylene (Total)	ND	ug/l	5.0	03/29/02 15:07	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	104	%		03/29/02 15:07	SHF	2164-17-2		

Date: 04/09/02

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Lab Project Number: 6057813

Client Project ID: SJB-GW KAUF1

Lab Sample No: 605034552

Client Sample ID: 143820MAR02

Project Sample Number: 6057813-003

Matrix: Water

Date Collected: 03/20/02 14:38

Date Received: 03/27/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	by	CAS No.	Ftnote	Req Limit
GC Volatiles								
Aromatic Volatile Organics	Prep/Method: EPA 8021 / EPA 8021							
Benzene	ND	ug/l	2.0	03/29/02 15:37	SHF	71-43-2		
Ethylbenzene	ND	ug/l	2.0	03/29/02 15:37	SHF	100-41-4		
Toluene	ND	ug/l	2.0	03/29/02 15:37	SHF	108-88-3		
Xylene (Total)	ND	ug/l	5.0	03/29/02 15:37	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	102	%		03/29/02 15:37	SHF	2164-17-2		

Date: 04/09/02

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REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6057813
Client Project ID: SJB-GW KAUF1

Lab Sample No: 605034560
Client Sample ID: 142320MAR02

Project Sample Number: 6057813-004
Matrix: Water
Date Collected: 03/20/02 14:23
Date Received: 03/27/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	by	CAS No.	Ftnote	Req Limit
GC Volatiles								
Aromatic Volatile Organics								
Prep/Method: EPA 8021 / EPA 8021								
Benzene	ND	ug/l	2.0	03/29/02 16:06	SHF	71-43-2		
Ethylbenzene	ND	ug/l	2.0	03/29/02 16:06	SHF	100-41-4		
Toluene	ND	ug/l	2.0	03/29/02 16:06	SHF	108-88-3		
Xylene (Total)	ND	ug/l	5.0	03/29/02 16:06	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	103	%		03/29/02 16:06	SHF	2164-17-2		

Date: 04/09/02

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REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6057813

Client Project ID: SJB-GW KAUF1

Lab Sample No: 605034578

Client Sample ID: 135420MAR02

Project Sample Number: 6057813-005

Matrix: Water

Date Collected: 03/20/02 13:54

Date Received: 03/27/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	by	CAS No.	Ftnote	Reg Limit
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GC Volatiles

Aromatic Volatile Organics

Prep/Method: EPA 8021 / EPA 8021

Benzene	ND	ug/l	2.0	03/29/02 17:04	SHF	71-43-2		
Ethylbenzene	ND	ug/l	2.0	03/29/02 17:04	SHF	100-41-4		
Toluene	ND	ug/l	2.0	03/29/02 17:04	SHF	108-88-3		
Xylene (Total)	ND	ug/l	5.0	03/29/02 17:04	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	102	%		03/29/02 17:04	SHF	2164-17-2		

Date: 04/09/02

Page: 5

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6057813

Client Project ID: SJB-GW KAUF1

Lab Sample No: 605034594
Client Sample ID: 140820MAR02

Project Sample Number: 6057813-006
Matrix: Water

Date Collected: 03/20/02 14:08
Date Received: 03/27/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC Volatiles								
Aromatic Volatile Organics	Prep/Method: EPA 8021 / EPA 8021							
Benzene	ND	ug/l	2.0	03/29/02 17:33	SHF	71-43-2		
Ethylbenzene	ND	ug/l	2.0	03/29/02 17:33	SHF	100-41-4		
Toluene	ND	ug/l	2.0	03/29/02 17:33	SHF	108-88-3		
Xylene (Total)	ND	ug/l	5.0	03/29/02 17:33	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	105	%		03/29/02 17:33	SHF	2164-17-2		

Date: 04/09/02

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Lab Project Number: 6057813

Client Project ID: SJB-GW KAUF1

Lab Sample No: 605034602

Project Sample Number: 6057813-007

Date Collected: 03/20/02 13:42

Client Sample ID: 134220MAR02

Matrix: Water

Date Received: 03/27/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC Volatiles								
Aromatic Volatile Organics	Prep/Method: EPA 8021 / EPA 8021							
Benzene	ND	ug/l	2.0	03/29/02 18:02	SHF	71-43-2		
Ethylbenzene	ND	ug/l	2.0	03/29/02 18:02	SHF	100-41-4		
Toluene	ND	ug/l	2.0	03/29/02 18:02	SHF	108-88-3		
Xylene (Total)	ND	ug/l	5.0	03/29/02 18:02	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	103	%		03/29/02 18:02	SHF	2164-17-2		

Date: 04/09/02

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Lab Project Number: 6057813

Client Project ID: SJB-GW KAUF1

Lab Sample No: 605034651
Client Sample ID: 132820MAR02

Project Sample Number: 6057813-008

Matrix: Water

Date Collected: 03/20/02 13:28

Date Received: 03/27/02 09:40

Parameters	Results	Units	Report Limit	Analyzed	by	CAS No.	Ftnote	Reg Limit
GC Volatiles								
Aromatic Volatile Organics	Prep/Method: EPA 8021 / EPA 8021							
Benzene	ND	ug/l	2.0	03/29/02 18:32	SHF	71-43-2		
Ethylbenzene	ND	ug/l	2.0	03/29/02 18:32	SHF	100-41-4		
Toluene	ND	ug/l	2.0	03/29/02 18:32	SHF	108-88-3		
Xylene (Total)	ND	ug/l	5.0	03/29/02 18:32	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	102	%		03/29/02 18:32	SHF	2164-17-2		

Date: 04/09/02

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