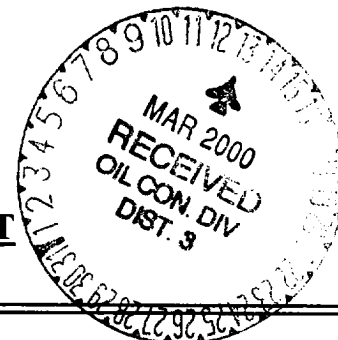


State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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



**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Chateau Oil And Gas (Williams Field Services) Telephone: (801) 584-6361  
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900  
WellName: CHAMPLIN #3A ( 85083 )  
Location: Unit or Qtr/Qtr Sec F Sec 35 T 27N R 4W County Rio Arriba  
PitType Dehydrator  
LandType Jicarilla

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

Reference: Wellhead

Footage from reference: 71 ft.

Direction from reference: 90 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)	0
high water elevation of			
ground water)			

Wellhead Protection Area:	Yes	(20 points)	
(Less than 200 feet from a private	No	(0 points)	0
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 1,000 feet	(10 points)	
lakes, ponds, rivers, streams, creeks,	Greater than 1,000 feet	(0 points)	0
irrigation canals and ditches)			

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 7/21/98

Date Completed: 7/22/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 125

(check all appropriate  
sections)Landfarmed ☒Insitu Bioremediation ☐

Other Landfarmed soil after mechanical aeration. LF Headspace 0ppm

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 11-14-99 and used soil probe to collect sample at 22'. BTEX and TPH were non-detect.

Ground Water Encountered: No

Final Pit:

Sample location CHAMPLIN 3A-V-EXFL-01

Closure Sampling:

Two samples were collected, one sample from the excavation bottom and the second sample was made up of 4 points from each excavation wall.

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

Sample depth 22 ft

Sample date 11/14/99

Sample time 11:40

Sample Result

Benzene (ppm) &lt;0.05

Total BTEX (ppm) &lt;0.05

Field Headspace (ppm)

TPH (ppm) &lt;2.0

Ground Water Sample: No

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

DATE 11-19-99

SIGNATURE

PRINTED NAME  
AND TITLEMark Harvey for Williams Field Services  
PROJECT COORDINATOR



## QWAL LABORATORIES, INC.

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

## LABORATORY REPORT:

REFERENCE #: 9911573

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

DATE REPORTED:  
DATE COLLECTED: 11/14/99  
DATE RECEIVED: 11/17/99  
P.O. #:

Sample ID: CHAMP 3A-V-EXSB-01 (21-23)  
Collection Date: 11/14/99 11:40:00

Sample Matrix: SOIL

TEST	METHOD-CAS #	RESULT	UNITS	PQL	ANALYZED	EXTRACTED
TPH	SW846-8015	ND	UG/L	2	11/21/99BEM	
BTEX	OAL/8021B			3.0		
BENZENE	71-43-2	ND	MG/KG	0.050	11/18/99KKL	
TOLUENE	108-88-3	ND	MG/KG	0.050	11/18/99KKL	
ETHYLBENZENE	100-41-4	ND	MG/KG	0.050	11/18/99KKL	
TOTAL XYLENES	1330-20-7	ND	MG/KG	0.050	11/18/99KKL	
BFB (SURROGATE)	-	125	125	75		
QA/QC PACKAGE LEVEL	NONE		SU			

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

\*BACKGROUND CONTAMINATION

Q=OUTSIDE LIMITS

B=DETECTED IN METHOD BLANK

SUR=SURROGATE

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR

# 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 #: 9807797

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY

DATE REPORTED: 08/05/98  
DATE COLLECTED: 07/23/98  
DATE RECEIVED: 07/28/98

PROJECT: JICARILLA PIT REMEDIATION

Reference Fraction: 9807797-16A

Sample ID: CHAMPLIN 3A-V-EXFL-01 / 85083

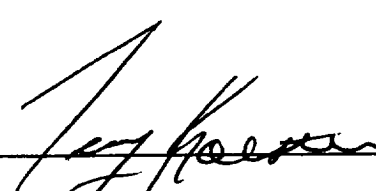
Sample Matrix: SOIL

Sample Date Collected: 07/23/98 12:50:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	1210	MG/KG	2.0	07/29/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	5.0	08/04/98	JLO
TOLUENE		46.1	MG/KG	5.0	08/04/98	JLO
ETHYLBENZENE		22.6	MG/KG	5.0	08/04/98	JLO
TOTAL XYLENES		377	MG/KG	5.0	08/04/98	JLO
BFB (SURROGATE)		88	125	75		

-NONE DETECTED  
DL=DETECTION LIMIT  
SU=STANDARD UNITS  
B=DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR

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 #: 9807797

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY  
PROJECT: JICARILLA PIT REMEDIATION

DATE REPORTED: 08/05/98  
DATE COLLECTED: 07/23/98  
DATE RECEIVED: 07/28/98

Reference Fraction: 9807797-15A

Sample ID: CHAMPLIN 3A-V-EXWA-01 / 85083

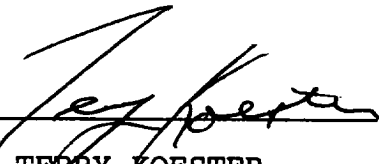
Sample Matrix: SOIL

Sample Date Collected: 07/23/98 12:45:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	8.63	MG/KG	2.0	07/29/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	08/04/98	JLO
TOLUENE		0.240	MG/KG	0.050	08/04/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	08/04/98	JLO
TOTAL XYLENES		0.700	MG/KG	0.050	08/04/98	JLO
BFB (SURROGATE)		121	125	75		

·NONE DETECTED  
DL=DETECTION LIMIT  
SU=STANDARD UNITS  
B=DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR

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 #: 9808562

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY  
PROJECT: JICARILLA PIT PROJECT 98

DATE REPORTED: 08/21/98  
DATE COLLECTED: 08/11/98  
DATE RECEIVED: 08/18/98

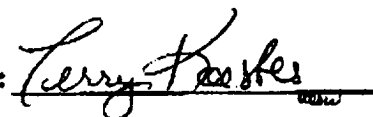
Reference Fraction: 9808562-02A  
Sample ID: CHAMPLIN #3A-V-LF-01  
Sample Date Collected: 08/11/98 06:45:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED BY
TPH	SW846-8015	ND	MG/KG	2.0	08/20/98 SKW

ND=NONE DETECTED  
DL=DETECTION LIMIT  
SU=STANDARD UNITS  
B=DETECTED IN METHOD BLANK

APPROVED BY:



TERRY KOESTER  
LABORATORY DIRECTOR