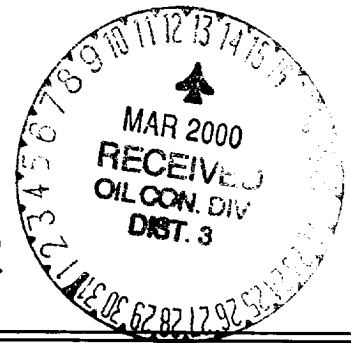


State of New Mexico
Energy, Minerals and Natural Resources Department

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 #4E (80005)
Location: Unit or Qtr/Qtr Sec B Sec 35 T 27N R 4W County Rio Arriba
PitType Dehydrator
LandType Forest

Pit Location: Pit dimensions: length 19 ft., width 15 ft., depth 16 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 40 ft.

Direction from reference: 185 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>0</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 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)	<u>0</u>
irrigation canals and ditches)			

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 7/22/98

Date Completed: 7/22/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 170

(check all appropriate sections)

Landfarmed ☒Insitu Bioremediation ☐

Other Landfarmed soil after mechanical aeration. LF Headspace 10ppm

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 2/16/00 and advanced sampling probe to 18' to collect sample. Results: TPH ND BTEX ND

Ground Water Encountered: No

Final Pit:

Sample location CHAMPLIN 4E-V-EXFL-01

Closure Sampling:

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

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

Sample depth 16 feet

Sample date 7/24/98

Sample time 16:30

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) 0.307

Field Headspace (ppm)

TPH (ppm) 871

Ground Water Sample: No

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

DATE 3-7-00 REV

SIGNATURE

PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

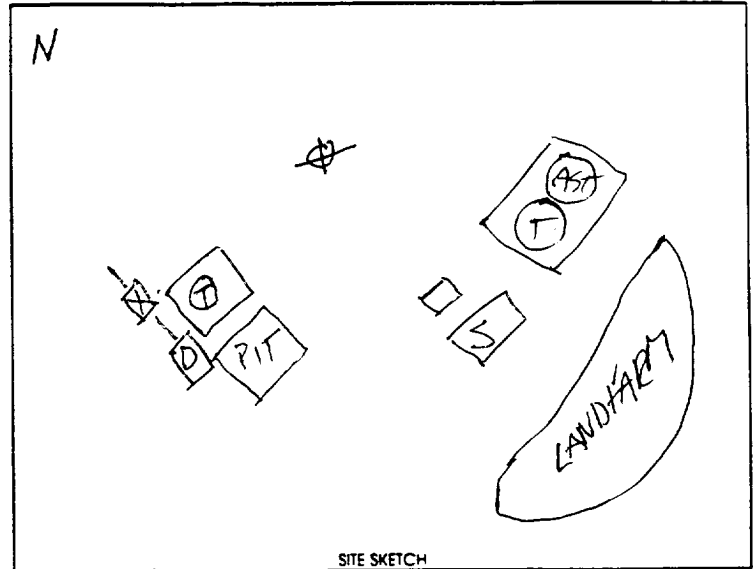
80005

Date: 7/22/98 Weather
 Well Name CHAMPLIN #4E Operator CHATEAU OIL & GAS Sec 35 T27N R4W UL
 Land Type: BLM STATE (PHE) INDIAN (FORREST) County RIO ARriba
 One Call Made (505-765-1234)? Y N Y N
 Line Marking Evident?

Pit Location:

Reference Wellhead X Other
 Distance from: 70
 Direction: 205 Degrees X E N X
 185 of
 W S

Starting Pit Dimensions 12 x 12 x 8
 Final Pit Dimensions 19 x 15 x 16'



SITE SKETCH

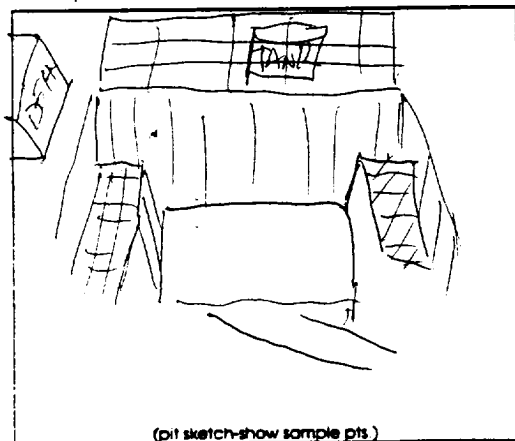
Organic Vapor Readings: Start Soil Description: SILTY SAND
 @ 2'
 @ 4'
 @ 6'
 @ 8'
 @ 10
 @ 16

Well Proximity To: Residence, Domestic Water Well, Stock Well NA
 Arroyo, Wash, Lake, Stream > NA
 Estimated or Known Distance to Ground Water >100-feet

Source of Backfill (if other than processed material)

Samples collected: Type Progress: Verification: ID CHAMPLIN #4E - V-EXWA-01 (soil) / water
 Progress: Verification: ID CHAMPLIN #4E - V-EXFL-01 (soil) / water
 Progress: Verification: ID soil / water

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



Comments: THE PIT WAS EXCAVATED TO
REMOVE GROSS CONTAMINATION - OIL STAINING
WAS PRESENT - EXCAVATED MATERIAL WAS SHREDDED
AND PLACED INTO ONSITE LANDFARM.

Soil Shipped to:
 Prepared by: ASHAINS

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 #: 8402596

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

DATE REPORTED: 02/23/00
DATE COLLECTED: 02/16/00
DATE RECEIVED: 02/18/00

Reference Fraction: 8402596-15A
Sample ID: CHAMP#4E-EX-RS-01(80005)
Sample Date Collected: 02/16/0017:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	02/22/00	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	02/21/00	KKL
TOLUENE		ND	MG/KG	0.050	02/21/00	KKL
ETHYLBENZENE		ND	MG/KG	0.050	02/21/00	KKL
TOTAL XYLENES		ND	MG/KG	0.050	02/21/00	KKL
BFB (SURROGATE)		112	125	75		

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

APPROVED BY: TKOESTER

TERRY KOESTER
LABORATORY DIRECTOR

QWAL LABORATORIES, INC.

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: 07/24/98
DATE RECEIVED: 07/28/98

Reference Fraction: 9807797-01A

Sample ID: CHAMPLIN 4E-V-EXFL-01 / 80005

Sample Matrix: SOIL

Sample Date Collected: 07/24/98 16:30:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	871	MG/KG	2.0	07/29/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	08/03/98	JLO
TOLUENE		ND	MG/KG	0.050	08/03/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	08/03/98	JLO
TOTAL XYLENES		0.157	MG/KG	0.050	08/03/98	JLO
BFB (SURROGATE)		122	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:


PERRY KOESTER
LABORATORY DIRECTOR

QWAL LABORATORIES, INC.

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: 07/24/98
DATE RECEIVED: 07/28/98

Reference Fraction: 9807797-02A

Sample ID: CHAMPLIN 4E-V-EXWA-01 / 80005
Sample Date Collected: 07/24/98 16:30:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	38.9	MG/KG	2.0	07/29/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	08/03/98	JLO
TOLUENE		ND	MG/KG	0.050	08/03/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	08/03/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	08/03/98	JLO
BFB (SURROGATE)		110	125	75		

ND=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: 9808562-01A LF
Sample ID: CHAMPLIN #4E-V-FL-01 ^{MA}
Sample Date Collected: 08/11/98 06:30:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED BY
TPH	SW846-8015	580	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