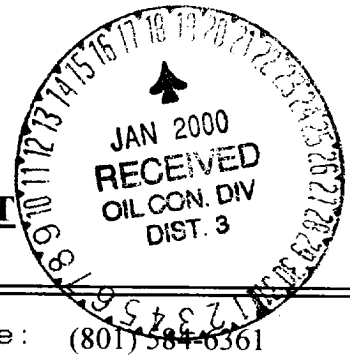
State of New Mexico
Energy, Minerals and Natural Resources Department

OK

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



PIT REMEDIATION AND CLOSURE REPORT

Operator: Williams Production Co. (Williams Field Services) Telephone: (801) 584-6361

Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900

WellName: COX CANYON UNIT #18 (86769)

Location: Unit or Qtr/Qtr Sec J Sec 17 T 32N R 11W County San Juan

PitType Dehydrator

LandType: Fee

Pit Location: Pit dimensions: length 23 ft., width 22 ft., depth 12 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 50 ft.

Direction from reference: 12 Degrees East of 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)	0
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) No (0 points)	0
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)	0
	Ranking Score (TOTAL POINTS):	0

Form A

(86769)

Date Remediation Started: 8/13/99 Date Completed: 8/23/99

Remediation Method: (check all appropriate sections)
Excavation ☑ Approx. Cubic Yard 225
Landfarmed ☑ Insitu Bioremediation
Other Landfarmed soil after mechanical aeration. LF Headspace 8 ppm.

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility)
Onsite ☑ Offsite

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.

Ground Water Encountered: No

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

Sample location CC #18-V-EXFL-01

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 12 feet

Sample date 8/12/99 Sample time 17:25

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) 51.70

Field Headspace (ppm)

TPH (ppm) 74

Ground Water Sample: No

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

DATE 12-20-99

SIGNATURE MH for WFS

PRINTED NAME AND TITLE Mark Harvey for Williams Field Services

Form B

PIT RETIREMENT FORM

86769

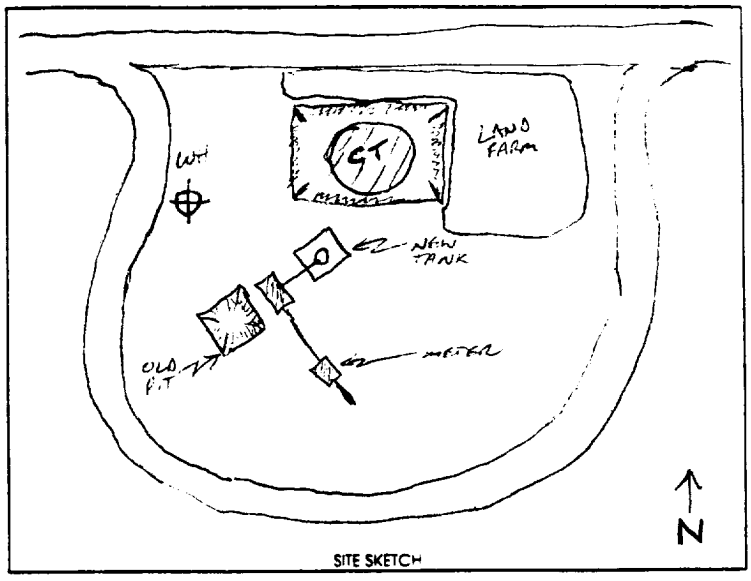
Date: 8-13-99 Weather CLEAR, SUNNY, WARM

Well Name Cox Cnyn. #18 Operator Williams Production Sec 17 T 32N R 11W UL

Land Type: BLM STATE (FEE) INDIAN County San Juan

One Call Made (505-765-1234)? (Y) N

Line Marking Evident? (Y) N



SITE SKETCH

Pit Location:

Reference Wellhead X Other

Distance from: 50

Direction: 12 Degrees X E N of W S X

Starting Pit Dimensions 15 x 15 x 2

Final Pit Dimensions 23 x 22 x 12

Organic Vapor Readings: Start N/A

@ 2' @ 4' @ 6' @ 8' @ @

Soil Description: BRN CLAYEY SILT, SLIGHTLY PLASTIC, TR V. FINE SAND

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE

Arroyo, Wash, Lake, Stream NONE

Estimated or Known Distance to Ground Water >100'

Source of Backfill (if other than processed material

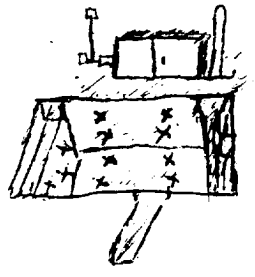
Samples collected: Type

Progress: (Verification:) ID CC#18-V-EXFL-01 (soil) / water

Progress: (Verification:) ID CC#18-V-EXWA-01 (soil) water

Progress: Verification: ID soil / water

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


(pit sketch-show sample pts.)

Comments:

Soil Shipped to: ON-SITE LANDFARM

Prepared by: JPS

QWAL LABORATORIES, INC.

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

LABORATORY REPORT: **REFERENCE #:** 9908506

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

DATE REPORTED: 09/01/99
DATE COLLECTED: **08/13/99**
DATE RECEIVED: **08/17/99**

Reference Fraction:9908506-04A
Sample ID: CC18-V-EXFL-01
Sample Date Collected: **08/13/9917:25:00**

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH	SW846-8015	74	MG/KG	2	08/25/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOLUENE		9.44	MG/KG	0.050	08/21/99	KKL
ETHYLBENZENE		3.76	MG/KG	0.050	08/21/99	KKL
TOTAL XYLENES		38.5	MG/KG	0.050	08/21/99	KKL
BFB (SURROGATE)		93	125	75		

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

APPROVED BY: _____
TERRY KOESTER
LABORATORY DIRECTOR

VERBAL REPORTS ASAP TO JIM STRUHS 801-947-0046

QWAL LABORATORIES, INC.

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

LABORATORY REPORT: **REFERENCE #:** 9908506

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

DATE REPORTED: 09/01/99
DATE COLLECTED: 08/13/99
DATE RECEIVED: 08/17/99

Reference Fraction:9908506-03A
Sample ID: CC18-V-EXWA-01
Sample Date Collected: **08/13/9917:37:00**

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH	SW846-8015	71	MG/KG	2	08/25/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOLUENE		6.908	MG/KG	0.050	08/21/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOTAL XYLENES		20.0	MG/KG	0.050	08/21/99	KKL
BFB (SURROGATE)		100	125	75		

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

APPROVED BY: _____
TERRY KOESTER
LABORATORY DIRECTOR

VERBAL REPORTS ASAP TO JIM STRUHS 801-947-0046

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 #:** 9908829

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

DATE REPORTED: 09/01/99
DATE COLLECTED: **08/23/99**
DATE RECEIVED: **08/26/99**

Reference Fraction:9908829-12A
Sample ID: CC#18-V-LF-01
Sample Date Collected: **08/23/9914:25:00**

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TOTAL PETROLEUM HYDR	EPA 418.1	ND	MG/KG	1.0	08/30/99	BEM

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

APPROVED BY:

TERRY KOESTER
LABORATORY DIRECTOR