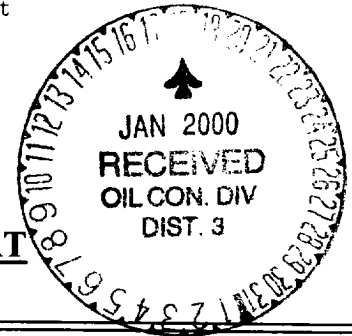


OK

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: 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 #9A COM (86857)
Location: Unit or Qtr/Qtr Sec D Sec 20 T 32N R 11W County San Juan
PitType Dehydrator
LandType: Fee

Pit Location: Pit dimensions: length 36 ft., width 29 ft., depth 30 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 60 ft.

Direction from reference: 58 Degrees East of South

| | | |
|--------------------------|-----------------------|----------------------|
| 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>10</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): 10

Date Remediation Started: 8/21/99

Date Completed: 9/10/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 1160

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation

Other Landfarmed soil after mechanical aeration. LF Headspace 0 ppm.

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.

Ground Water Encountered: No

Final Pit:

Sample location CC #9A-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 30 feet

Sample date 8/21/99

Sample time 16:18

Sample Result

Benzene (ppm) 1.56

Total BTEX (ppm) 260.36

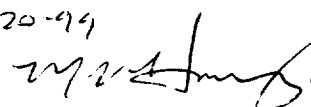
Field Headspace (ppm)

TPH (ppm) 4630

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  F.O. 2 WFS

PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

Date: 8/21/99
 Well Name COX CNYW #9A Operator WPX Weather PILY CLOUDY, WARM
 Land Type: BLM STATE FEE INDIAN Sec 20 T 32N R 11W UL
 One Call Made (505-765-1234)? Y N
 Line Marking Evident? Y N
 County SAN JUAN, NM

Pit Location:

Reference Wellhead X Other _____Distance from: 60Direction: 58 Degrees X E N _____

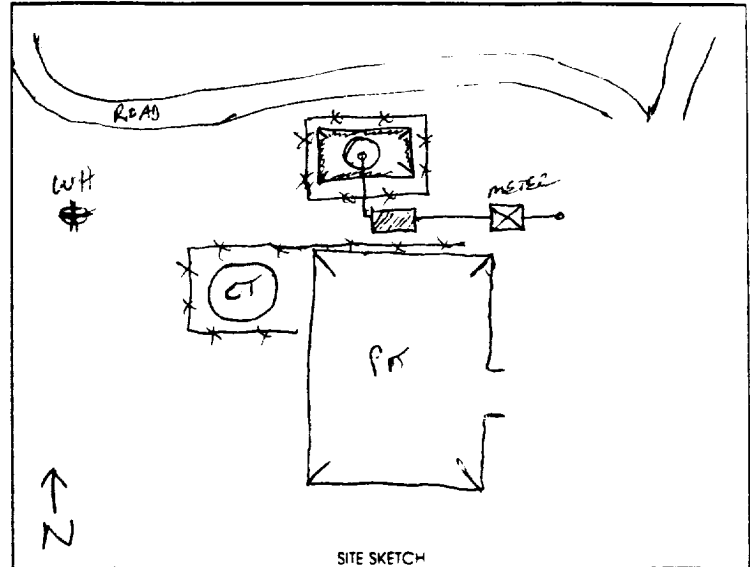
of

_____ W of SX

Starting Pit Dimensions

24 x 20 x 4

Final Pit Dimensions

36 x 29 x 30

Organic Vapor Readings:

Start N/A

@ 2' _____

@ 4' _____

@ 6' _____

@ 8' _____

@ _____

@ _____

Soil Description:

0-15' BUFF/BWN CLAYEY SILT. MID PLASTIC WHEN WET↑ SAND W/ DEPTH15-30' BRN SANDY SILT. ↓ SLOPE STABILITY1" V. FINE SAND

Well Proximity To:

Residence, Domestic Water Well, Stock Well NONEArroyo, Wash, Lake, Stream 0.5miEstimated or Known Distance to Ground Water > 50'

Source of Backfill (if other than processed material) _____

Samples collected: Type

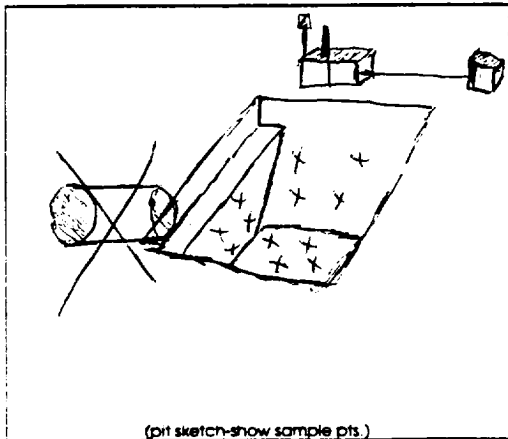
Progress: VerificationID CC#9A-V-EXUA-01soil / waterProgress: VerificationID CC#9A-V-EXPL-01soil / waterProgress: Verification

ID _____

soil / waterSample sent to Lab Via: Courier

Hand Carried

Other _____

Preservative: ICE Other _____

Comments: EXAMINED & SHREDDED SOIL. LAYED OUT SOIL IN
ON-SITE LF. BENCHES DOWN ON SOUTH SIDE OF PIT
TO ALLOW FURTHER EXCAVATION. ENCOUNTERED
HC IMPACTED SOIL & DEBRIS (PIPE INSUL, PLASTIC ETC.)
IN BENCH AREA. CUT OUT BENCH & PROCESSED
ONCE MAX DEPTH OF 30' WAS REACHED.

Soil Shipped to: ON-SITE LFPrepared by: JPS

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 #: 9908748

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

DATE REPORTED: 09/02/99
 DATE COLLECTED: 08/21/99
 DATE RECEIVED: 08/24/99

Reference Fraction:9908748-04A

Sample ID: CC#9A-V-EXFL-01

Sample Matrix: SOIL

Sample Date Collected: 08/21/9916:18:00

| TEST | METHOD | RESULT | UNITS | PQL | ANALYZED | BY |
|----------------------|-----------|--------|-------|------|----------|-----|
| BTEX | OA1/8021B | | | 3.0 | | |
| BENZENE | | 1.56 | MG/KG | 0.50 | 09/01/99 | KKL |
| TOLUENE | | 69.8 | MG/KG | 0.50 | 09/01/99 | KKL |
| ETHYLBENZENE | | 10.0 | MG/KG | 0.50 | 09/01/99 | KKL |
| TOTAL XYLENES | | 179 | MG/KG | 0.50 | 09/01/99 | KKL |
| BFB (SURROGATE) | | 92 | 125 | 75 | | |
| OA-I TPH AS GASOLINE | OA1/8015G | 4630 | MG/KG | 25 | 09/01/99 | KKL |

ND=NONE DETECTED

PQL=PRACTICAL QUANTITAION 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 #: 9908748

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

DATE REPORTED: 09/02/99
DATE COLLECTED: 08/21/99
DATE RECEIVED: 08/24/99

Reference Fraction: 9908748-05A
Sample ID: CC#9A-V-EXWA-01
Sample Date Collected: 08/21/99 16:00:00

Sample Matrix: SOIL

| TEST | METHOD | RESULT | UNITS | PQL | ANALYZED | BY |
|----------------------|-----------|--------|-------|-------|----------|-----|
| BTEX | OA1/8021B | | | 3.0 | | |
| BENZENE | | ND | MG/KG | 0.050 | 08/31/99 | KKL |
| TOLUENE | | 1.94 | MG/KG | 0.050 | 08/31/99 | KKL |
| ETHYLBENZENE | | ND | MG/KG | 0.050 | 08/31/99 | KKL |
| TOTAL XYLENES | | 14.2 | MG/KG | 0.050 | 08/31/99 | KKL |
| BFB (SURROGATE) | | 86 | 125 | 75 | | |
| OA-I TPH AS GASOLINE | OA1/8015G | 567 | MG/KG | 2.50 | 08/31/99 | KKL |

ND=NONE DETECTED
PQL=PRACTICAL QUANTITATION 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 #: 9909457

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

DATE REPORTED: 09/21/99
DATE COLLECTED: 09/10/99
DATE RECEIVED: 09/14/99

Reference Fraction: 9909457-11A 86857
Sample ID: CC9A-V-LF-01
Sample Date Collected: 09/10/99 13:30:00

Sample Matrix: SOIL

| TEST | METHOD | RESULT | UNITS | PQL | ANALYZED | BY |
|----------------------|-----------|--------|-------|------|----------|-----|
| TOTAL PETROLEUM HYDR | EPA 418.1 | ND | MG/KG | 10.0 | 09/17/99 | BEM |

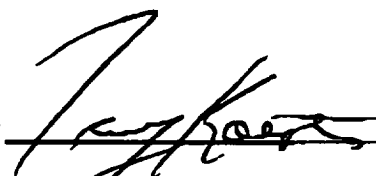
ND=NONE DETECTED

PQL=PRACTICAL QUANTITAION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

90 
TERRY KOESTER
LABORATORY DIRECTOR