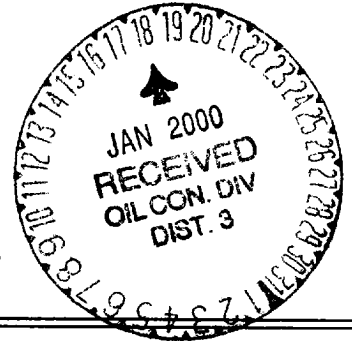


State of New Mexico
Energy, Minerals and Natural Resources Department

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 #8A (86889)
Location: Unit or Qtr/Qtr Sec F Sec 17 T 32N R 11W County San Juan
PitType Dehydrator
LandType: Fee

Pit Location: Pit dimensions: length 30 ft., width 21 ft., depth 6 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 60 ft.

Direction from reference: 58 Degrees West 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: 8/13/99

Date Completed: 8/23/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 140

(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:

Closure Sampling:

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

Sample location CC #8A-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 6 feet

Sample date 8/13/99

Sample time 12:22

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) 18.7

Field Headspace (ppm)

TPH (ppm) 527

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  FOR WFS

PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

86889

Date: 8-13-99

Weather CLR, SUNNY, WARM

Well Name Cox Cwyn. #8A

Operator Williams Production Sec 17 T 32N R 11W UL

Land Type: BLM STATE (FEE) INDIAN

County SAN JUAN
EL = 6643' 1350' FNL 660' FEL

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

(Y) N
(Y) N

Line Marking Evident?

Pit Location:

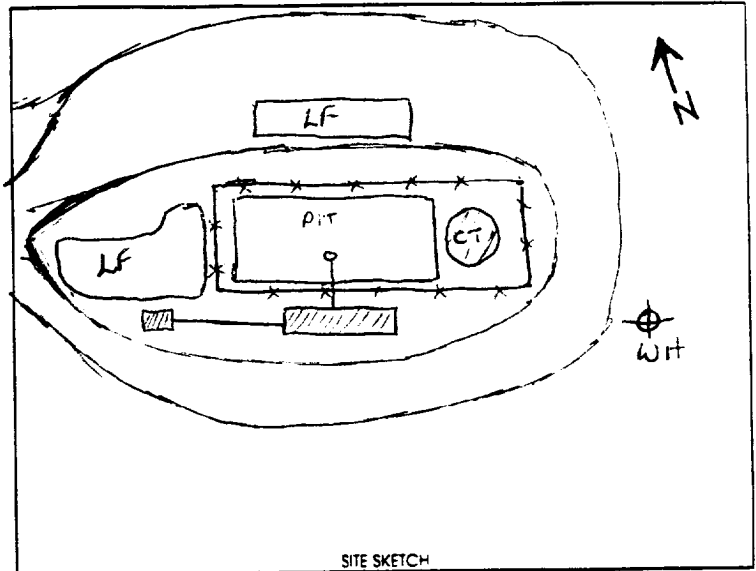
Reference Wellhead X Other _____

Distance from: 60'

Direction: 58 Degrees _____ E N X
_____ of _____
X W S _____

Starting Pit Dimensions 30 x 20 x 3

Final Pit Dimensions 30 x 21 x 6



SITE SKETCH

Organic Vapor Readings: Start N/A
@ 2' _____
@ 4' _____
@ 6' _____
@ 8' _____
@ _____
@ _____

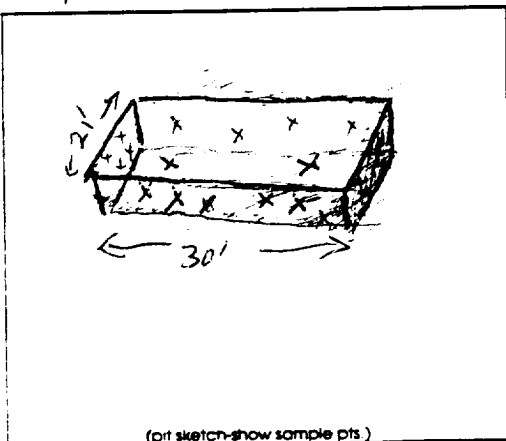
Soil Description: _____
0-6 OLIVE BRN, CLAYEY SILT, PLASTIC WHEN WET
6-10 WHITISH GRAY, FINE-V. FINE SILTY SAND
BR AT 6'

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#8A-Y-EXWA-01 (soil) water
Progress: Verification: ID CC#8A-Y-EXFL-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: SS BEDROCK ENCOUNTERED AT 6'-LATERALLY
CONTINUOUS, FINE-GRANULAR, HARD, WELL CEMENTED

Soil Shipped to: ON-SITE LANDFARM

Prepared by: [Signature]

QWAL LABORATORIES, INC.

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

LABORATORY REPORT:

REFERENCE #: 9908506

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

DATE REPORTED: 08/30/99
DATE COLLECTED: 08/13/99
DATE RECEIVED: 08/17/99

Reference Fraction: 9908506-02A 86889
Sample ID: CC8A-V-EXFL-01
Sample Date Collected: 08/13/99 12:22:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH	SW846-8015	527	MG/KG	20	08/27/99	BEM
BTEX	OAL/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOLUENE		0.906	MG/KG	0.050	08/21/99	KKL
ETHYLBENZENE		7.53	MG/KG	0.050	08/21/99	KKL
TOTAL XYLENES		10.2	MG/KG	0.050	08/21/99	KKL
BFB (SURROGATE)		97	125	75		

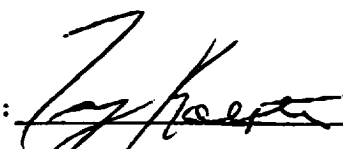
ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:


PERRY 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 #: 9908506

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

DATE REPORTED: 08/30/99
DATE COLLECTED: 08/13/99
DATE RECEIVED: 08/17/99

Reference Fraction: 9908506-01A 86889
Sample ID: CC8A-V-EXWA-01
Sample Date Collected: 08/13/99 12:15:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH	SWB46-8015	575	MG/KG	20	08/27/99	BEM
BTEX	OAL/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOLUENE		0.677	MG/KG	0.050	08/21/99	KKL
ETHYLBENZENE		4.74	MG/KG	0.050	08/21/99	KKL
TOTAL XYLENES		2.11	MG/KG	0.050	08/21/99	KKL
BFB (SURROGATE)		109	125	75		
QA/QC PACKAGE LEVEL	NONE	DONE	SU			

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY: 

90
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 WILLIAMS FIELD SERVICE
TO: 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: 9908829-11A
Sample ID: CC#8A-V-LF-01
Sample Date Collected: 08/23/99 14:10:00

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