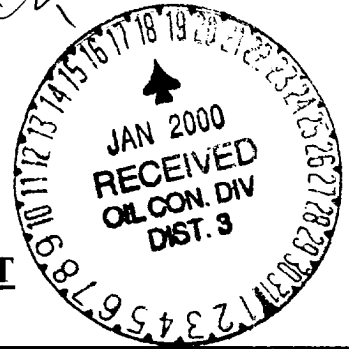


State of New Mexico
Energy, Minerals and Natural Resources Department

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: Maddox #1A MV (85320)
Location: Unit or Qtr/Qtr Sec *P* Sec 10 T 32N R 11W County San Juan
PitType Dehydrator
LandType: Fee

Pit Location: Pit dimensions: length 24 ft., width 20 ft., depth 18 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 103 ft.

Direction from reference: 16 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: 8/10/99

Date Completed: 8/23/99

Remediation Method: Excavation ☒
(check all appropriate sections)

Approx. Cubic Yard 320

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 Maddox #1A-V-EXWA-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 18 feet

Sample date 8/10/99

Sample time 9:10

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) 2.47

Field Headspace (ppm)

TPH (ppm) 36

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 WFSPRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

85320

~70~

Date: 8-10-99

Weather OVERCAST / SLIGHTLY STORMY

Well Name MADDOX #1A MV Operator WFX

Sec 10 T 32N R 11W UL

Land Type: BLM STATE (FEE) INDIAN

County _____

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

Line Marking Evident? (Y) N

Pit Location:

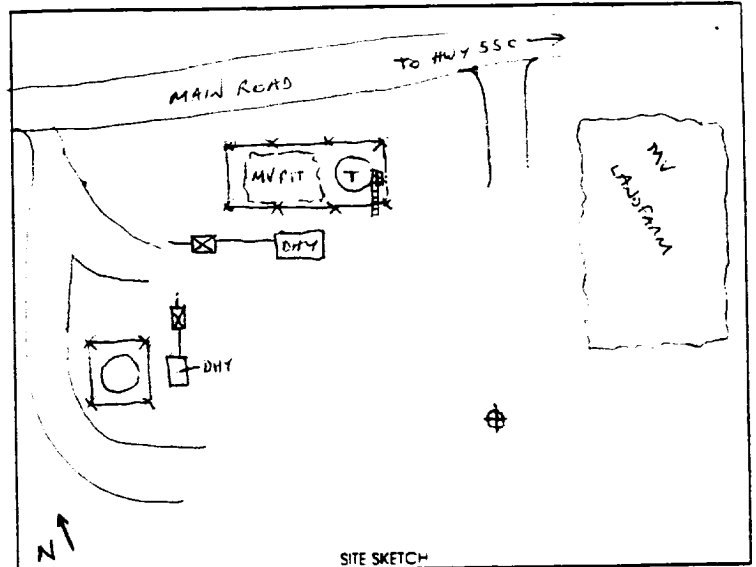
Reference Wellhead X Other _____

Distance from: 103'

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

Starting Pit Dimensions 16' x 18' x 2'

Final Pit Dimensions 24' x 20' x 13'



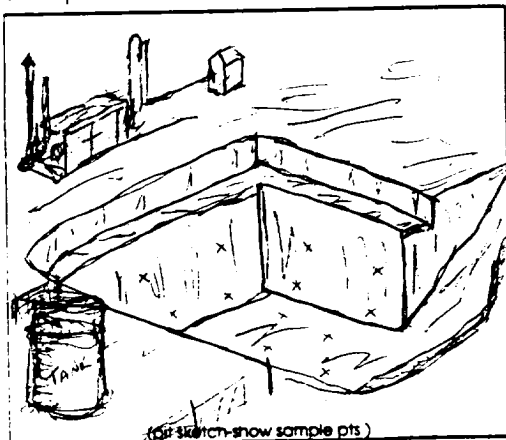
Organic Vapor Readings: Start _____ Soil Description: SANDY SILT & CLAY
@ 2' _____
@ 4' _____
@ 6' _____
@ 8' _____
@ _____
@ _____
_____ SILTY SAND
_____ " "
_____ SAND
_____ SILTY SAND

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

Source of Backfill (if other than processed material) _____

Samples collected: Type _____ Progress: Verification: ID _____ soil / water
Progress: Verification: ID _____ soil / water
Progress: Verification: ID _____ soil / water

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



Comments: LOCATION JUST OFF MAIN ROAD TO COX CANYON - TWO PITS
ON LOCATION - SET UP & BEGIN EXCAVATING - MATERIAL NEAR SURFACE
VERY MOIST FROM RECENT RAINS - SHREDDING SLOW DUE TO CLAY CONTENT -
SOIL GRABED TO MOSTLY SAND @ ~ 6' - MODERATE HYDROCARBON OIL @ 12'
NORTH & WEST WALLS CLEAN - DRY WALL & TANK WALL HAVE SLIGHT
ODOR - CFT TERRACES & RAMP - LF ON EAST END OF LOCATION

Soil Shipped to: ON-SITE LF

Prepared by: M. J. [Signature]

QWAL LABORATORIES, INC.

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

LABORATORY REPORT:

REFERENCE #: 9908482

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

DATE REPORTED: 09/01/99
DATE COLLECTED: 08/10/99
DATE RECEIVED: 08/14/99

Reference Fraction: 9908482-04A
Sample ID: MADDOX#1A-V-EXFL-01
Sample Date Collected: 08/10/99 17:24:00

mv

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH	SW846-8015	20	MG/KG	2	08/19/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOLUENE		7.25	MG/KG	0.050	08/21/99	KKL
ETHYLBENZENE		11.1	MG/KG	0.050	08/21/99	KKL
TOTAL XYLENES		23.5	MG/KG	0.050	08/21/99	KKL
BFB (SURROGATE)		90	125	75		

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 #: 9908482

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

DATE REPORTED: 09/01/99
DATE COLLECTED: 08/10/99
DATE RECEIVED: 08/14/99

Reference Fraction: 9908482-03A MV
Sample ID: MADDOX#1A-V-EXWA-01
Sample Date Collected: 08/10/99 17:20:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH	SW846-8015	5	MG/KG	2	08/19/99	BEM
BTEX	OAL/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOLUENE		0.121	MG/KG	0.050	08/21/99	KKL
ETHYLBENZENE		1.54	MG/KG	0.050	08/21/99	KKL
TOTAL XYLENES		0.266	MG/KG	0.050	08/21/99	KKL
BFB (SURROGATE)		96	125	75		

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY ROESTER
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 #: 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: 9908829-07A
Sample ID: **MAD#1A(MV)-V-LF-01**
Sample Date Collected: 08/23/99 13:30:00

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 QUANTITATION LIMIT
SU=STANDARD UNITS
B=DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR