

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 #1 (71259)
Location: Unit or Qtr/Qtr Sec ~~1~~ Sec 10 T 32N R 11W County San Juan
PitType Dehydrator
LandType Fee

Pit Location: Pit dimensions: length 23 ft., width 28 ft., depth 18 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 102 ft.

Direction from reference: 50 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)	0
high water elevation of			
ground water)			

Wellhead Protection Area:	Yes	(20 points)	
(Less than 200 feet from a private	No	(0 points)	0
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)	0
irrigation canals and ditches)			

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 8/9/99

Date Completed: 8/23/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 429

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation

Other Landfarmed soil after mechanical aeration. LF Headspace 3 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 #1-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 WFS

PRINTED NAME Mark Harvey for Williams Field Services AND TITLE

PIT RETIREMENT FORM

71259

~75"

Date: 8-9-99

Weather MOIST CLOUDY - SCATTERED SUN

Well Name MADDOX #1 Operator WFX Sec 10 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

Pit Location:

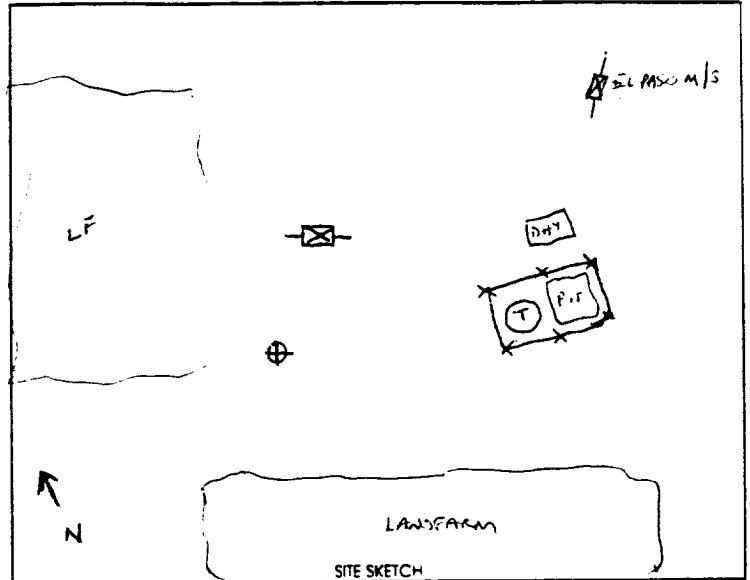
Reference Wellhead X Other

Distance from: 102'

Direction: 98 Degrees X E N X
of
W S Y

Starting Pit Dimensions 19' x 16' x 4'

Final Pit Dimensions 23' x 28' x 18'



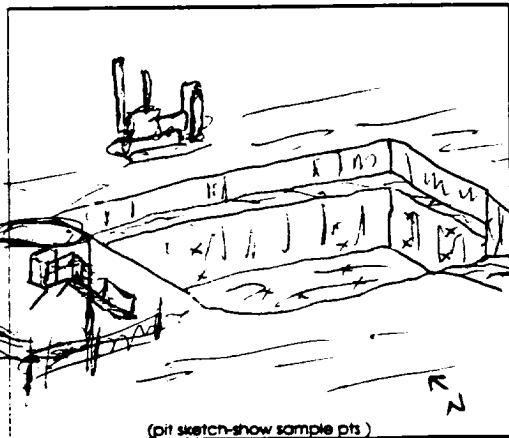
Organic Vapor Readings: Start Soil Description: CLAYEY SILT + SAND
@ 2' " " "
@ 4' " " "
@ 6' SILTY SAND W/CLAY
@ 8' " " "
@ " " "
@ " " "

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
Arroyo, Wash, Lake, Stream ~ 1/2 mile
Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material)

Samples collected: Type Progress: Verification ID MADDOX #1-V-EXWA-01 Soil / water
Progress: Verification ID MADDOX #1-V-EXFL-01 Soil / water
Progress: Verification ID soil / water

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



Comments: WAIT ON VAC TRUCK TO PUMP OUT STANDING WATER -
PUMP OUT ~ 16 GALLONS WATER FROM PIT - SET UP EQUIPMENT + MIX SOIL / MUD -
SOIL VERY MOIST TO DEPTH - SHREDDING SLOW - STRONG HYDROCARBON ODOR
TO 6' - DIMINISHED SLIGHTLY - WALL AGAINST DEPTH + TANK STILL STAINED -
COULD NOT EXCAVATE IN THOSE DIRECTIONS DUE TO EQUIPMENT INTEGRITY -
EXCAVATE SOUTH + EAST WALLS TO CLEAN - CUT TERRACES + RAMP - PLACE
SOIL IN LANDFARM + BERM -

Soil Shipped to: ON-SITE LANDFARM

Prepared by: M. Zhang

QUAL 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

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

MARK HARVEY

PROJECT: IGF PITS

Reference Fraction: 9908482-02A

Sample ID: MADDOX#1-V-EXPL-01

Sample Matrix: SOIL

Sample Date Collected: 08/10/99 09:16:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH	SW846-8015	16	MG/KG	2	08/19/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOLUENE		ND	MG/KG	0.050	08/21/99	KKL
ETHYLBENZENE		0.552	MG/KG	0.050	08/21/99	KKL
TOTAL XYLENES		0.172	MG/KG	0.050	08/21/99	KKL
BFB (SURROGATE)		99	125	75		

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 #: 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: 9908482-01A
Sample ID: MADDOX#1-V-EXWA-01
Sample Date Collected: 08/10/99 09:10:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH	SW846-8015	36	MG/KG	2	08/19/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/21/99	KKL
TOLUENE		ND	MG/KG	0.050	08/21/99	KKL
ETHYLBENZENE		1.90	MG/KG	0.050	08/21/99	KKL
TOTAL XYLENES		0.569	MG/KG	0.050	08/21/99	KKL
BFB (SURROGATE)		104	125	75		
QA/QC PACKAGE LEVEL	NONE		SU			

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 #: 9908829

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

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

PROJECT: IGN/NM-PITS

Reference Fraction: 9908829-08A

Sample ID: MAD#1 -V-LF-01

Sample Matrix: SOIL

Sample Date Collected: 08/23/99 13:45:00

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