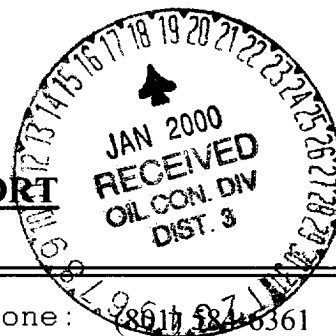


OK

OIL CONSERVATION DIVISION

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

PIT REMEDIATION AND CLOSURE REPORT



Operator: Burlington Resources (Williams Field Services) Telephone: (861) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: Rattlesnake Canyon #1 MV (87133)
Location: Unit or Qtr/Qtr Sec ~~32~~^{31N} Sec 32 T 32N R 8W County San Juan
PitType Dehydrator
LandType: Fee

Pit Location: Pit dimensions: length 14 ft., width 14 ft., depth 6 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 75 ft.

Direction from reference: 0 Degrees East 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: 9/14/99

Date Completed: 9/21/99

Remediation Method: Excavation ☒

Approx. Cubic Yard 44

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation

Other Landfarmed soil after mechanical aeration. LF Headspace 2 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 RSC #1-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 5.5 feet

Sample date 9/14/99

Sample time 11:10

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) <0.05

Field Headspace (ppm)

TPH (ppm) 16

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

PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

SIGNATURE  For WFS

PIT RETIREMENT FORM

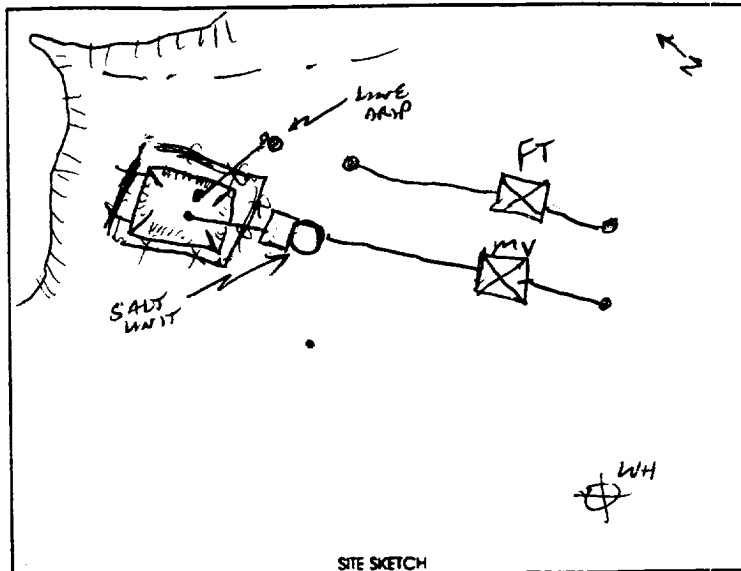
87133
87134

Date: 9-14-99
Well Name: Rattlesnake Cyn #1 (mv) Operator: BURLINGTON Sec: 32 T: 32N R: 8W UL: UL
Land Type: BLM STATE: FT 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: 75
Direction: 0 Degrees X E N X
BRE = 0° - One North of W S

Starting Pit Dimensions 13 x 13 x 3
Final Pit Dimensions 14 x 14 x 5 1/2



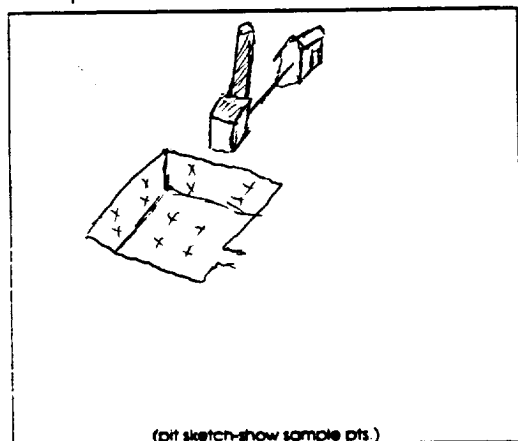
Organic Vapor Readings: Start N/A Soil Description: 0-2 BRN CLAYEY SILT - SANDY SILT
@ 2' 2-5 1/2' + BRN, WEAKLY INDURATED
@ 4' CLAYSTONE WITH SOME FISSILITY
@ 6' 5 1/2' + BRN, WEAKLY INDURATED CLAYSTONE
@ 8' FISSILE
@
@

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
Arroyo, Wash, Lake, Stream > 1000'
Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material)

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

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



Comments: PIT SHARED BY BOTH METER RUNS (MV & FT)
SALT UNIT DEHY ON MV SIDE. LINE DRIP ON
FT SIDE.

Soil Shipped to: ON SITE LANDFARM
Prepared 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 #: 9909635

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

DATE REPORTED: 11/08/99
 DATE COLLECTED: 09/14/99
 DATE RECEIVED: 09/17/99

Reference Fraction: 9909635-03A

Sample ID: RSC #1-V-EXFL-01

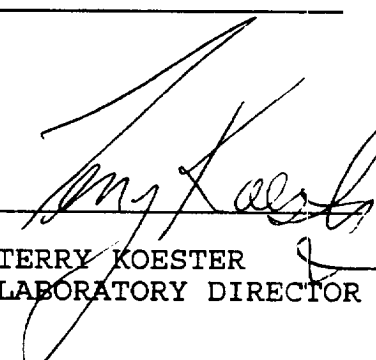
Sample Matrix: SOIL

Sample Date Collected: 09/14/99 11:10:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	16	MG/KG	2	09/23/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/20/99	KKL
TOLUENE		ND	MG/KG	0.050	09/20/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/20/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/20/99	KKL
BFB (SURROGATE)		85	125	75		
QA/QC PACKAGE LEVEL	NONE	DONE	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 #: 9909635

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

DATE REPORTED: 11/08/99
 DATE COLLECTED: 09/14/99
 DATE RECEIVED: 09/17/99

PROJECT: WFS/NM-PITS

Reference Fraction: 9909635-04A

8738

Sample ID: RSC #1-V-EXWA-01

Sample Matrix: SOIL

Sample Date Collected: 09/14/99 11:15:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	9	MG/KG	2	09/23/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/20/99	KKL
TOLUENE		ND	MG/KG	0.050	09/20/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/20/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/20/99	KKL
BFB (SURROGATE)		94	125	75		
QA/QC PACKAGE LEVEL	NONE	DONE	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 #: 9909783

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

DATE REPORTED: 09/29/99
DATE COLLECTED: 09/21/99
DATE RECEIVED: 09/23/99

PROJECT: WFS/IGN-NM PITS

Reference Fraction: 9909783-28A 87133
Sample ID: RSC#1-V-LF-01
Sample Date Collected: 09/21/99 07:45:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
QA/QC PACKAGE LEVEL	NONE		SU			
TOTAL PETROLEUM HYDR	EPA 418.1	358	MG/KG	10.0	09/27/99	BEM

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

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR