

Denny & Frost
DEPUTY OIL & GAS INSPECTOR

AUG 19 1999

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

NO BTEX LF
OK
RECEIVED
MAY 27 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

Operator: Beartooth Oil and Gas (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: MINEL FEDERAL #3A (85630)
Location: Unit or Qtr/Qtr Sec M Sec 6 T 25N R 3W County Rio Arriba
PitType Drip
LandType Fee

Pit Location: Pit dimensions: length 16 ft., width 18 ft., depth 15 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 97 ft.

Direction from reference: 22 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)	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: 8/8/98

Date Completed: 8/8/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 160

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation

Other

Landfarmed soil after mechanical aeration.

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 MINEL #3A-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 15 Feet

Sample date 8/8/98

Sample time 13:35

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) 28.63

Field Headspace (ppm)

TPH (ppm) <2.0

Ground Water Sample: No

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO
THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5-20-99

SIGNATURE

PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

85630

Weather SUNNY ~ 84°

Date: 8/8/98

Well Name MINEL FEO #3A Operator BLARTOOTH O+G

Sec 6 T25N R3W UL M

Land Type: BLM STATE ☒ **FER** INDIAN

County RIO ARRIJA

One Call Made (505-765-1234)? ☒ N

Line Marking Evident? ☒ N

Pit Location:

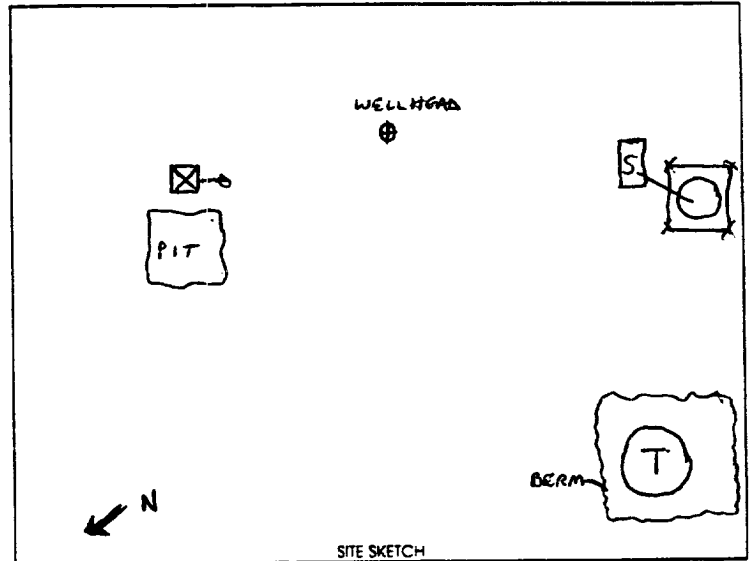
Reference Wellhead ☒ Other _____

Distance from: 97'

Direction: 22 Degrees ☒ E ☒ N ☒ W ☒ S

Starting Pit Dimensions 12' x 12' x 2'

Final Pit Dimensions 16 x 18 x 15



Organic Vapor Readings: Start _____
 @ 2' _____
 @ 4' _____
 @ 6' _____
 @ 8' _____
 @ 10' _____
 @ 15' _____

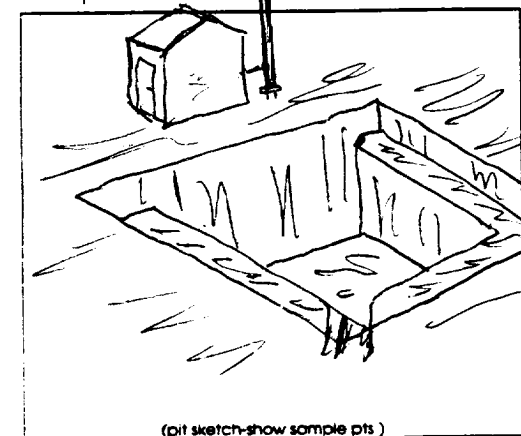
Soil Description: SILTY SAND
 " "
 " "
 " "
 " "
 " " w/CLAY
 " " w/CLAY

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 _____ 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 ~ 1 MILE WEST OF SCHMITZ DISPOSAL POND
EXCAVATE + SHAKE SOIL - WALLS STAYED - CUT BACK TO CLEAN -
FLOOR HAS Faint HYDROCARBON ODOR - TERRACE + RAMP - PLACE SOIL
WEST OF PIT - WALL AGAINST METER RUN STILL HAS SLIGHT HYDROCARBON
ODOR - COULD NOT EXCAVATE DUE TO METER RUN -

Soil Shipped to: ON-SITE LANDFILL

Prepared by: M. King

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 #: 9808276

SENT WILLIAMS FIELD SERVICE-MS4JI
TO: P.O. BOX 58900
SALT LAKE CITY, UTAH 84108
MARK HARVEY
PROJECT: JICARILLA DISTRICT '98

DATE REPORTED: 08/24/98
DATE COLLECTED: 08/08/98
DATE RECEIVED: 08/11/98

Reference Fraction: 9808276-07A

Sample ID: MINEL #3A-V-EXWA-01 / 85630
Sample Date Collected: 08/08/98 13:30:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	44.1	MG/KG	2.0	08/23/98	SKV
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	08/14/98	JLC
TOLUENE		0.080	MG/KG	0.050	08/14/98	JLC
ETHYLBENZENE		ND	MG/KG	0.050	08/14/98	JLC
TOTAL XYLENES		0.202	MG/KG	0.050	08/14/98	JLC
BFB (SURROGATE)		103	125	75		

ND=NONE DETECTED
DL=DETECTION 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 #: 9808276

SENT WILLIAMS FIELD SERVICE-MS4JI
TO: P.O. BOX 58900
SALT LAKE CITY, UTAH 84108
MARK HARVEY
PROJECT: JICARILLA DISTRICT '98

DATE REPORTED: 08/24/98
DATE COLLECTED: 08/08/98
DATE RECEIVED: 08/11/98

Reference Fraction: 9808276-08A

Sample ID: MINEL #3A-V-EXFL-01 / 85630
Sample Date Collected: 08/08/98 13:35:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2.0	08/23/98	SKV
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.50	08/14/98	JLC
TOLUENE		5.38	MG/KG	0.50	08/14/98	JLC
ETHYLBENZENE		1.45	MG/KG	0.50	08/14/98	JLC
TOTAL XYLENES		21.8	MG/KG	0.50	08/14/98	JLC
BFB (SURROGATE)		90	125	75		

ND=NONE DETECTED

DL=DETECTION 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 #: 9808765

SENT WILLIAMS FIELD SERVICE-MS4JI
TO: P.O. BOX 58900
SALT LAKE CITY, UTAH 84108
MARK HARVEY

DATE REPORTED: 08/31/98
DATE COLLECTED: 08/21/98
DATE RECEIVED: 08/25/98

PROJECT: JICARILLA DISTRICT '98

Reference Fraction: 9808765-03A

Sample ID: JIC/MINEL#3A-V-LF-01(85630 / 85670

Sample Matrix: SOIL

Sample Date Collected: 08/21/98 16:50:00

60 HS

MT 8-3-99

TEST	METHOD	RESULT	UNITS	DL	ANALYZED BY
TPH	SW846-8015	ND	MG/KG	2.0	08/27/98 SKW

ND-NONE DETECTED

DL-DETECTION LIMIT

SU-STANDARD UNITS

B-DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER
LABORATORY DIRECTOR