

OIL CONSERVATION DIVISION

P.O. Box 2086
Santa Fe, New Mexico 87504-2088

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DEC - 6 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

Operator: Curtis Little (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: SCHMITZ # 2 MV (PD) (85766)
Location: Unit or Qtr/Qtr Sec E Sec 16 T 25N R 3W County Rio Arriba
PitType Dehydrator
LandType Fee

Pit Location: Pit dimensions: length 11 ft., width 14 ft., depth 6 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 70 ft.

Direction from reference: 252 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: 8/5/98

Date Completed: 8/5/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 35

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation

Other LF Headspace 12ppm

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 placed into an onsite landfarm.

Ground Water Encountered: No

Final Pit:

Sample location SCHMITZ#2MV-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 6 feet

Sample date 9/14/98

Sample time 11:45

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) 0.08

Field Headspace (ppm)

TPH (ppm) 532

Ground Water Sample: No

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

DATE 10-11-99 RGS

SIGNATURE

PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PROJECT COORDINATOR



Environmental Services
P.O. Box 58900
Salt Lake City, UT 84158-0900

Pit Closure and Retirement Addendum- Risk Assessment

Any residual contamination remaining at the Schmitz #2 MV poses low risk to human health and the environment. This conclusion is based in part on the information below:

Toxicity Information

Toxicity values for TPH have not been established due to the variability of the chemical makeup of TPH. Normally, the toxicity is based on the toxicity of the particular constituents of concern which may be present and are evaluated based on health-based standards. The most common constituents examined include benzene, ethylbenzene, toluene, and xylene.

In the absence of constituents of concern or when the concentrations of the constituents of concern are negligible, the acceptable level of TPH is established by considering the following:

- No liquid product should remain in the soil
- The TPH should not harm vegetation
- The TPH concentrations should not create an odor nuisance
- Hydrocarbon vapors which may emanate from the impacted soil should not generate harmful or explosive vapors
- Site monitoring should indicate that TPH levels are stable or declining

While residual TPH and / or BTEX contamination may exist at this site, excavation activities were suspended based on encountering bedrock or production equipment which limited continued safe excavation. Based on the analysis of the soil confirmation sample and the site conditions, closure of this site is warranted for the following reasons:

1. Soils which exhibited high levels of TPH and BTEX have been removed.
2. Residual TPH concentrations are below levels which would be problematic based on the criteria above.
3. Discharge has been eliminated and a steel tank installed to prevent any future release to soils.
4. Depth to groundwater is estimated at greater than 100'.
5. Vertical migration of contamination is limited due to bedrock and/or the low vertical hydraulic conductivity of underlying soils.
6. TPH concentrations will not increase and are likely to degrade over time in-situ.

Since there are no nearby receptors or domestic water sources, this site poses little risk to human health and the environment. Closure is justified based on the relatively low total petroleum hydrocarbon (TPH) concentration and the fact that benzene, toluene, ethylbenzene, and xylene meet applicable closure criteria. Additional information may be found in the Technical Background Document titled: *Risk Based Closure of Unlined Surface Impoundment Sites, San Juan Basin, New Mexico.*

PIT RETIREMENT FORM

Date: 8/5/08

85766

Weather SUNNY ~ 75°

Well Name SCHMITZ #2 MV (2) Operator CURTIS LITTLE

Sec 16 T 25N R 3W UL

Land Type: BLM STATE FEE INDIAN

County RIO ARriba

One Call Made (505-765-1234)? ☒ N

Line Marking Evident? ☒ N

Pit Location:

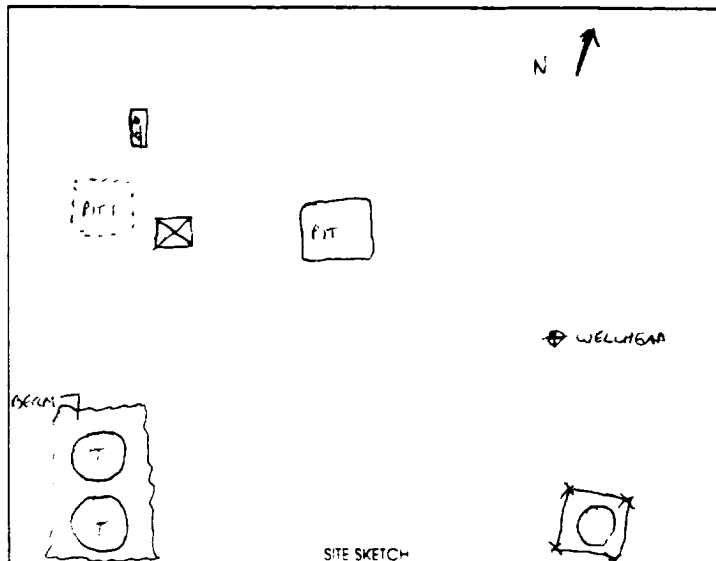
Reference Wellhead ☒ Other

Distance from: 70'

Direction: 252 Degrees ☒ E ☒ N ☒ of ☐ W ☐ S

Starting Pit Dimensions 10' x 10' x 2'

Final Pit Dimensions 11' x 14' x 6'



Organic Vapor Readings: Start
@ 2'
@ 4'
@ 6'
@ 8'
@
@

Soil Description: SANDY SILT
SILTY SAND
" "
SANDSTONE

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE SCHMITZ RANCH ~ 1 MILE NE

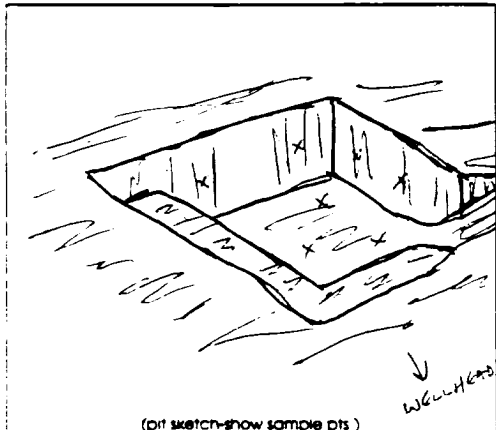
Arroyo, Wash, Lake, Stream NONE

Estimated or Known Distance to Ground Water NONE

Source of Backfill (if other than processed material

Samples collected: Type Progress: Verification: ID SCHMITZ #2 MV - V-EXWA-01 soil / water
Progress: Verification: ID SCHMITZ soil / water
Progress: Verification: ID soil / water

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



Comments: PIT PREVIOUSLY TAKEN OUT OF SERVICE - EXCAVATE
SOIL WHICH HAD SLIGHT HYDROCARBON ODOR - HIT ROCK FLOOR
@ 5' - SCRAPE - LANDFARM SOIL ON NW SIDE OF LOCATION -
CUT TERRACE + RAMP - LOCATION IS ~ 1 MILE E. OF 537

OC0 PIT

Soil Shipped to: ON-SITE LF

Prepared by: M. J. [Signature]

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: 9808765-09A

Sample ID: SCHMITZ#2MV(PO)-V-LF-01 / 85766

Sample Matrix: SOIL

Sample Date Collected: 08/21/98 16:16:00 12

TEST	METHOD	RESULT	UNITS	DL	ANALYZED BY
TPH	SW846-8015	586	MG/KG	40.0	08/28/98 SKW

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:


TERRY ROESTER
LABORATORY DIRECTOR