

OIL CONSERVATION DIVISION

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



PIT REMEDIATION AND CLOSURE REPORT

Operator: HALLWOOD PETROLEUM Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: FEDERAL #2A (85026)
Location: Unit or Qtr/Qtr Sec *P* Sec 3 T 31N R 7W County San Juan
PitType Dehydrator
LandType: Fee

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

Reference: Wellhead

Footage from reference: 78 ft.

Direction from reference: 55 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: 9/22/99

Date Completed: 9/22/99

Remediation Method: Excavation ☐

Approx. Cubic Yard

(check all appropriate
sections)Landfarmed ☐

Insitu Bioremediation

Other ☐ AssessedRemediation Location: Onsite ☐ Offsite ☐(ie. landfarmed onsite,
name and location of
offsite facility)

General Description Of Remedial Action:

Assessed pit by advancing hand probe to 3 feet below pit bottom and collecting composite sample.

Ground Water Encountered: No

Final Pit:

Sample location FED 2A-A-HP-01

Closure Sampling:

ASSESSED

(if multiple samples, attach
sample results and diagram
of sample locations and
depths)

Sample depth 3 feet

Sample date 9/22/99

Sample time 10:52

Sample Result

Benzene (ppm) <0.05

Total BTEX (ppm) <0.05

Field Headspace (ppm)

TPH (ppm) 8

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

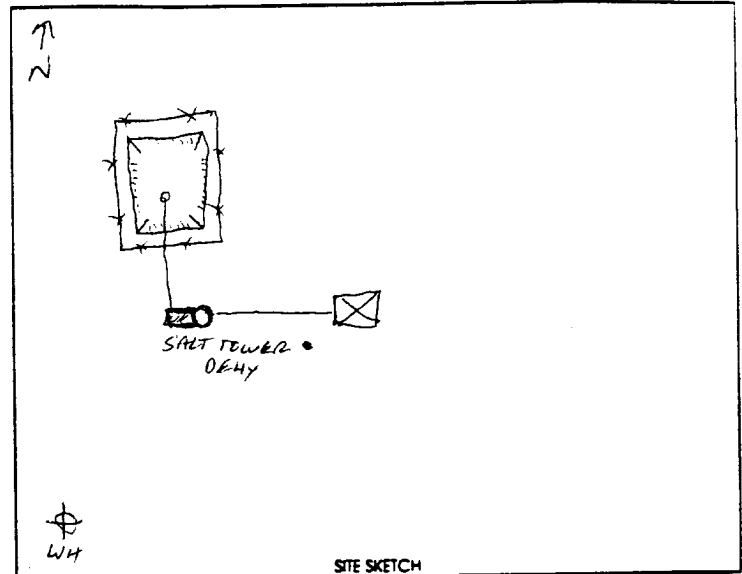
PIT RETIREMENT FORM

85026

Date: 9-22-99 Weather FTLY CLOY COOL 55°F
 Well Name FEDERAL #2A Operator HALLWOOD PRODUCTION Sec 3 T 31N R 7W UL UL
 and Type: BLM STATE (FEE) INDIAN County SAN JUAN
 One Call Made (505-765-1234)? Y (N)
 Line Marking Evident? 1800 321 2537 Y (N)

Pit Location:
 Reference Wellhead X Other _____
 Distance from: 78
 Direction: 55 Degrees X E N X
 of _____ W S _____

Starting Pit Dimensions 16 x 16 x 2
 Final Pit Dimensions N/A x _____ x _____



Organic Vapor Readings: Start N/A Soil Description: BRN CLAYEY SILT W/ TR. V. FINE SANDS
 @ 2' _____ ↑ CLAY W/ DEPTH. MOD PLASTIC,
 @ 4' _____
 @ 6' _____
 @ 8' _____
 @ _____
 @ _____

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 Assess Progress: Verification: ID FEO#2A-A-HP-01 soil / water
 Progress: Verification: ID _____ soil / water
 Progress: Verification: ID _____ soil / water

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

N/A
 (pit sketch show sample pts.)

Comments: SALT TOWER DEHY DISCHARGING TO
EARTHEN PIT, NO EVIDENCE OF HC IMPACT,
ASSESS PIT BY ADVANCING HAND PROBE TO 3'
DEPT AND COLLECTING COMPOSITE SOIL SAMPLE.

Soil Shipped to: N/A
 Prepared by: JP5

QWAL LABORATORIES, INC.

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: 09/22/99
DATE RECEIVED: 09/23/99

PROJECT: WFS/IGN-NM PITS

Reference Fraction: 9909783-03A 85026
Sample ID: FED2A-A-HP-01
Sample Date Collected: 09/22/99 10:52:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	8	MG/KG	2	09/25/99	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	09/28/99	KKL
TOLUENE		ND	MG/KG	0.050	09/28/99	KKL
ETHYLBENZENE		ND	MG/KG	0.050	09/28/99	KKL
TOTAL XYLENES		ND	MG/KG	0.050	09/28/99	KKL
BFB (SURROGATE)		92	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