ok

State of New Mexico
Energy, Minerals and Natural Resources Department

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

MAR 2002

PIT REMEDIATION AND CLOSURE REPORT

Operator: Schalk Development (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: SCHALK 52 #4 (86743)
Location: Unit or Qtr/Qtr NW/SE Sec 24 T 29N R 5W County Rio Arriba
PitType DEHY
LandType: Forest

Pit Location: Pit dimensions: length 16 ft., width 19 ft., depth 8 ft.
(Attach diagram)

Reference: Wellhead
Footage from reference: 57 ft.
Direction from reference: 65 Degrees West of North

JUN 2002

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)	10
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes (20 points) No (0 points)	
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)	0
	Ranking Score (TOTAL POINTS):	

Date Remediation Started: Date Completed:

Remediation Method: (check all appropriate sections)
Excavation ☐ Approx. Cubic Yard 90
Landfarmed ☐ Insitu Bioremediation ☑
Other Excavated hydrocarbon contaminated soil and treat with exogenous microbes. Mix to aerate.

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility)
Onsite ☑ Offsite In-situ remediation

General Description Of Remedial Action:

Treated soil for in-situ contaminant degradation. Followup work to determine vertical extent of contamination and overall hydrocarbon impact.

Ground Water Encountered: 0

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location Schalk 52-4-LF-VE-SB-01(15-16)
Soil boring advanced to 16'

Sample depth 16'
Sample date 7/29/00 Sample time 12:42
Sample Result
Benzene (ppm)
Total BTEX (ppm)
Field Headspace (ppm) 0
TPH (ppm) ND

Ground Water Sample: 0

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

DATE 12-20-01
SIGNATURE
PRINTED NAME AND TITLE Mark Harvey for Williams Field Services Proj. Coordinato

#2

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

DEHY PIT REMEDIATION REPORT

Well Name: Schalk 52-4 Date: 4-4-94

Location: Unit or Qtr/Qtr Sec _____ Sec 24 T 29N R 5W County Rio Arriba

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Pit Location: Pit Dimensions: length 16' width 19' depth 8.5'

Reference: wellhead X, other _____

Distance from reference: 57 ft

Direction from reference: 65° degrees ___ East North X of X West South ___

Remediation Start Date: 4-4-94 Completion Date: 4-4-94

Remediation Method: Excavation ___ Approx CY _____

Landfarmed ___ Approx CY _____

Bioremediation X Materials Bio D & Bugs

Other +300 gals water 10 Bales Hay
40' 4" sch 80 Vent Pipe 1 Turbin

Remediation Location: On-site ✓ Off-site ___

General Description of Remediation Activity:
Mixed Bio-D and Bugs into 300 gals of water. Mixed 10 Bales of Hay while Spraying Soil with Bio. Dug Test hole on N. Side of Pit To depths of 13' with Signs of Contamination. Expanded Pit 2' to the South hitting Contamination 1' Below ground

Ground Water Encountered: No ✓ Yes ___ Depth _____

Ground Water Sampled: No ✓ Yes ___ Analysis _____

Sampling: Sample Location 5 Point Composite

Sample Time 16:15 Sampler's Name Mike Hare

Sample Headspace (ppm) 540

TPH or BTEX Results (if available) _____

PREPARED BY: Mike Hare SIGNED: Mike Hare

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 #:** 0008011

SENT TO: ***WILLIAMS GAS PIPELINE***
PO BOX 215
BLOOMFIELD, NM 87413
JIM STRUHS
PROJECT: WFS/NM PITS

DATE REPORTED: 08/15/00
DATE COLLECTED: **07/29/00**
DATE RECEIVED: **08/01/00**

Reference Fraction:0008011-08A
Sample ID: SCHALK 52-4-VE-SB-01 15-16
Sample Date Collected: **07/29/0012:42:00**

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2.0	08/10/00	BEM

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

APPROVED BY: Terry Koester

TERRY KOESTER
LABORATORY DIRECTOR