

District I
Box 1980, Hobbs, NM

Penny
District II
DEPT. OF OIL & GAS INSPECTOR
C. C. Craver, D.D., Artesia, NM 88221

Aug 10 8 1997
District I
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Dept.

OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87504

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: Caulkins Oil Company

Telephone: (505) 632-1544

Address: P.O. Box 340, Bloomfield, NM 87413

Facility or Well Name: Breech "F" 1

Location: Unit or Qtr/Qtr Sec D Sec 33 T 27N R 6W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 12', width 12', depth 4'
(Attach diagram)

References: wellhead X, other

Footage from reference: 75'

Direction from reference: 25 Degrees X East North
of
 West South

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)	<u>0</u>

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)	<u>0</u>

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 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 6-25-96 Date Completed: 9-15-96

Remediation Method: Excavation X Approx. cubic yards 196

Check all appropriate
sections)

Landfarmed X Insitu Bioremediation

Other Aeration and Dilution

Remediation Location: Onsite X Offsite

(ie. landfarmed onsite,
name and location of
offsite facility)

General Description of Remedial Action: Pit was excavated with backhoe until composite field headspace samples from pit was zero. Excavated soil was laid out on location in 10" lifts and rototilled periodically to aerate. Composite headspace samples from landfarm are indicated on diagram. Pit was backfilled and disturbed areas on location re-seeded. 4-15-97 - Dug hole in center of backfilled pit to obtain final soil samples from landfarmed soil used for fill dirt and 2' below bottom of excavated pit for final pit bottom sample per OCD request for final pit closure.

Ground Water Encountered: No X Yes Depth

Final Pit: Sample location Center of backfilled pit. 4' from surface "landfarmed soil" and 10' from surface "pit bottom".

Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample

Sample depth 4' fill and 10' bottom of pit

Sample date 4-15-97 Sample time 10:00 a.m.

Benzene (ppm) 0

Total BTEX (ppm) 0

Field headspace (ppm)

TPH 0

Ground Water Sample: Yes No X (If yes, attach sample results)

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

DATE 5-30-97

SIGNATURE Robert L. Verquer PRINTED NAME AND TITLE ROBERT L. VERQUER, SUPERINTENDENT

Organic Analysis - Pit Closure
Caulkins Oil Company

Project ID: Pit Remediation
 Sample ID: Breech F1 Fill
 Lab ID: 6735
 Sample Matrix: Soil

Report Date: 05/16/97
 Date Sampled: 04/15/97
 Date Received: 04/16/97
 Preservative:
 Condition:

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
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Total Aromatic Hydrocarbons
ND

Benzene

ND

0.15

Toluene

ND

0.15

Ethylbenzene

ND

0.15

m,p-Xylenes

ND

0.31

o-Xylene

ND

0.15

Total Volatile Petroleum Hydrocarbons
ND
34.6
Total Recoverable Petroleum Hydrocarbons
ND
33.2
Quality Control:
Surrogate
Percent Recovery
Acceptance Limits

Trifluorotoluene

106

50 - 150%

Bromofluorobenzene

105

74 - 121%

o-Terphenyl

91

50 - 150%

Reference:

Method 5030, Purge and Trap; Method 8020, Aromatic Recoverable Organics;
 Test Methods for Evaluating Solid Wastes, SW-846, United States
 Environmental Protection Agency, Final Update I, July, 1992.

EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas
 Chromatography." Test Methods for Evaluating Solid Waste, Physical/
 Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:


Review



Organic Analysis - Pit Closure

Caulkins Oil Company

Project ID: Pit Remediation
Sample ID: Breech F1 Bottom Of Pit
Lab ID: 6736
Sample Matrix: Soil

Report Date: 05/16/97
Date Sampled: 04/15/97
Date Received: 04/16/97
Preservative: Cool
Condition: Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
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Total Aromatic Hydrocarbons

ND

Benzene

ND

0.17

Toluene

ND

0.17

Ethylbenzene

ND

0.17

m,p-Xylenes

ND

0.33

o-Xylene

ND

0.17

Total Volatile Petroleum Hydrocarbons

ND

37.3

Total Recoverable Petroleum Hydrocarbons

ND

32.4

Quality Control:

Surrogate

Percent Recovery

Acceptance Limits

Trifluorotoluene

103

50 - 150%

Bromofluorobenzene

109

74 - 121%

o-Terphenyl

95

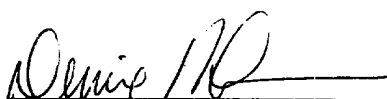
50 - 150%

Reference:

Method 5030, Purge and Trap; Method 8020, Aromatic Recoverable Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July, 1992.

EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas
Chromatography." Test Methods for Evaluating Solid Waste, Physical/
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Comments:


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