

OK

District I
P.O. Box 1100, Artesia, NM 88221
DEPUTY OIL & GAS INSPECTOR
JAN 27 1999

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

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

District III
1000 Rio Brazos Rd, Aztec,
NM 87410

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

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" 11
Location: Unit or Qtr/Qtr B Sec 35 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 30', width 30', depth 12'
(Attach diagram)
References: wellhead X, other
Footage from reference: 90'
Direction from reference: 40 Degrees X East North X
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: 2-18-97 Date Completed: 10-14-97

Remediation Method: Excavation X Approx. cubic yards 400

Check all appropriate
sections)

Landfarmed X Insitu Bioremediation

Other

Remediation Location: Onsite X Offsite

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

General Description of Remedial Action: Aeration and Dilution

Ground Water Encountered: No X Yes Depth

Final Pit:

Sample Location Bottom of pit and landfarm

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample

Sample depth 14'

Sample date 8-26-97 Sample time 1:15 p.m.

Benzene (ppm)

Total BTEX (ppm) Landfarm: ND Pit: 10.2 ppm

Field headspace (ppm)

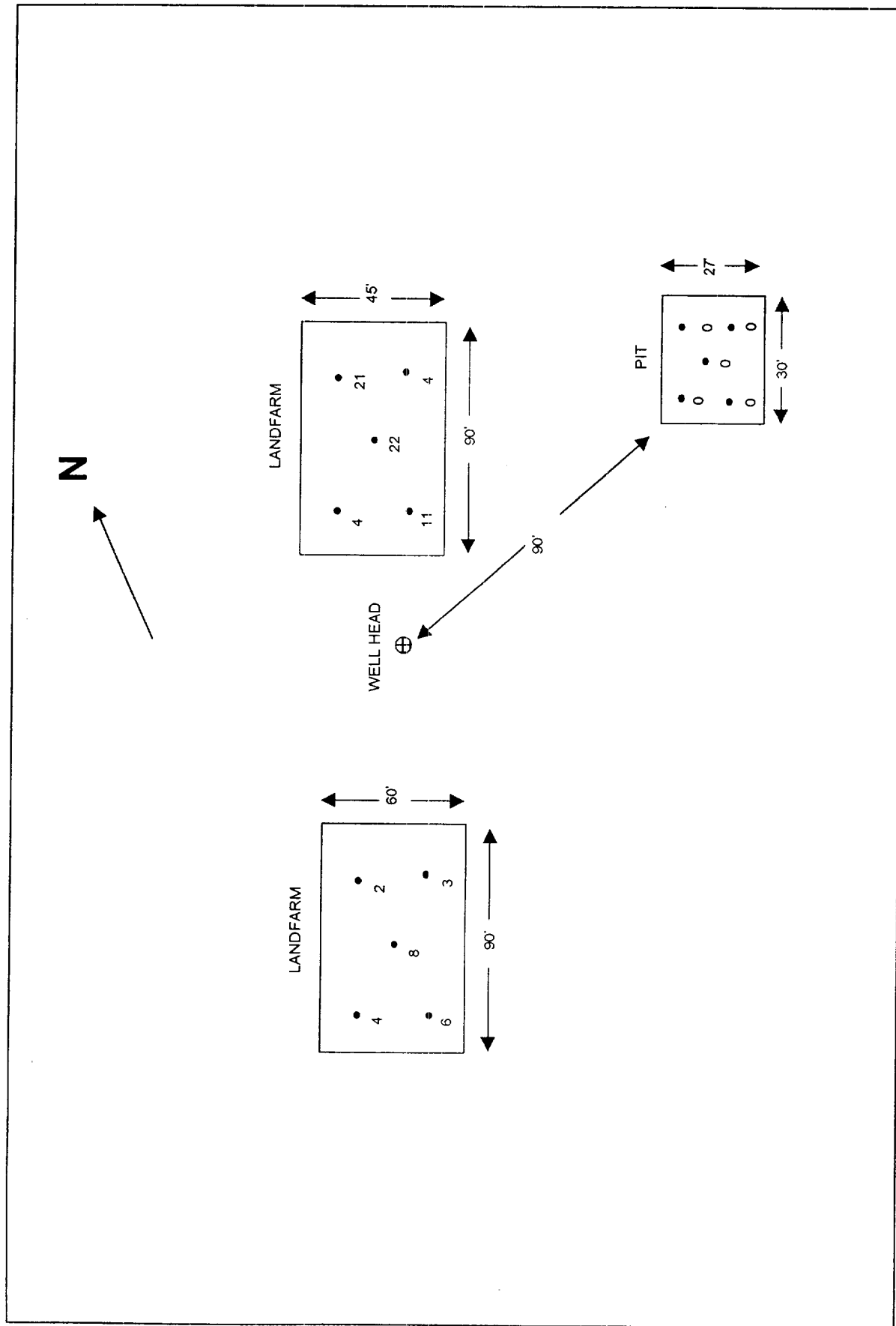
TPH Landfarm: 630 ppm Pit 381.7 ppm

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 October 6, 1998

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





® Certificate of Analysis No. 9708147-13

FARMINGTON LABORATORY
P.O. BOX 1289
FARMINGTON, NEW MEXICO 87499-1289
PHONE (505) 326-2588

Caulkins Oil and Gas Co.
PO Box 340
Bloomfield, NM 87413
Attn: Bobby Verquer

Date: 09/08/97

Project: Landfarm
Site:
Sampled By: J. Waggoner
Sample ID: Breech F 11

Project No:
Matrix: Soil
Date Sampled: 08/26/97
Date Received: 08/27/97

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	5.0	µg/Kg
Toluene	ND	5.0	µg/Kg
Ethylbenzene	ND	5.0	µg/Kg
Total Xylene	ND	5.0	µg/Kg
Total Volatile Aromatic Hydrocarbons	ND		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene
4-Bromofluorobenzene
Method 8020A
Analyzed by: JN
Date: 09/04/97

100
100

Total Petroleum Hydrocarbons-Diesel

630

20.0

mg/Kg

Surrogate

% Recovery

n-Pentacosane
Modified 8015A
Analyzed by: RR
Date: 09/03/97

MI 800

Petroleum Hydrocarbons-Gasoline

ND

0.5

mg/Kg

Surrogate

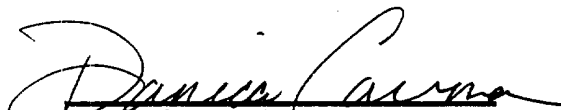
% Recovery

1,4-Difluorobenzene
4-Bromofluorobenzene
Method 8020A
Analyzed by: JN
Date: 09/04/97

100
73

Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

MI - Matrix Interference


Danica Carman, Lab Manager



®Certificate of Analysis No. 9708147-14

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Caulkins Oil and Gas Co.
PO Box 340
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Attn: Bobby Verquer

Date: 09/08/97

Project: Pit
Site:
Sampled By: J. Waggoner
Sample ID: Breech F 11

Project No:
Matrix: Soil
Date Sampled: 08/26/97
Date Received: 08/27/97

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	1.0	µg/Kg
Toluene	ND	1.0	µg/Kg
Ethylbenzene	2.2	1.0	µg/Kg
Total Xylene	8.0	1.0	µg/Kg
Total Volatile Aromatic Hydrocarbons	10.2		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene

100

4-Bromofluorobenzene

180MI

Method 8020A

Analyzed by: JN

Date: 09/04/97

Total Petroleum Hydrocarbons-Diesel

380

20.0

mg/Kg

Surrogate

% Recovery

n-Pentacosane

150

Modified 8015A

Analyzed by: RR

Date: 09/03/97

Petroleum Hydrocarbons-Gasoline

1.7

0.1

mg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene

100

4-Bromofluorobenzene

187MI

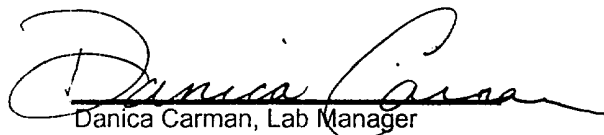
Method 8020A

Analyzed by: JN

Date: 09/04/97

Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

MI - Matrix Interference


Danica Carman, Lab Manager

WELL NAME: Breech F 11

CAULKINS OIL
SITE SECURITY DIAGRAM

