pl

Denny S. Fourt DEPUBLISHED GASINSPECTOR

Districate 19 7 1999 P.O. Drawer DD, Artesia, NM 88221

District III
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

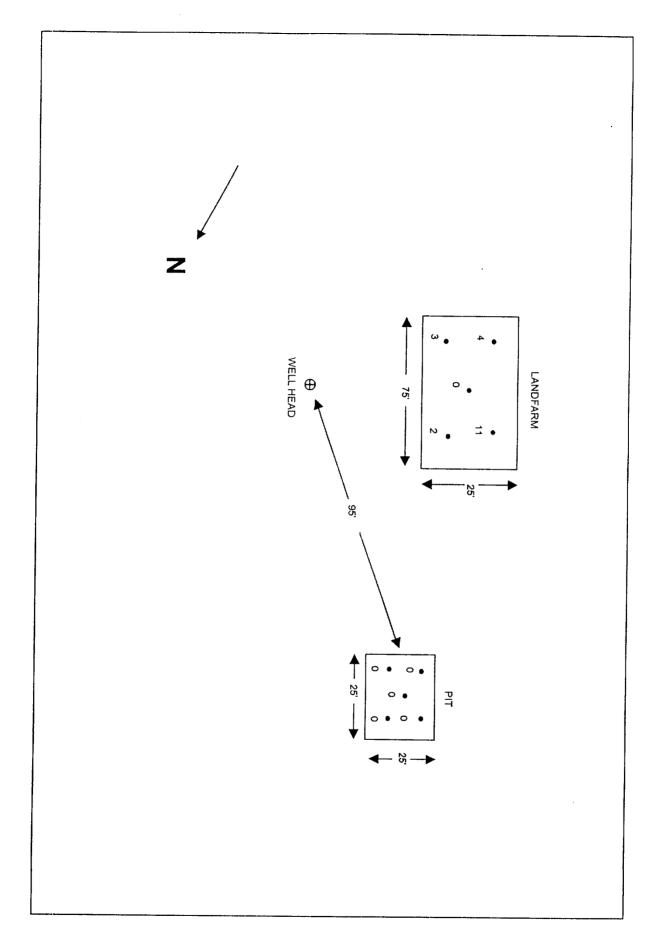
FEB - 8 1993

PIT REMEDIATION AND CLOSURE REPORTED STILLS

Operator: Caulkins Oil Company Telephone: (505) 632-1544 Address: P.O. Box 340, Bloomfield, NM 87413 Facility or Well Name: Breech "F" 45-M Location: Unit or Qtr/Qtr D Sec 35 T 27N R 6W County Rio Arriba Pit Type: Separator X Dehydrator Other Land Type: BLM_X , State, Fee, Other
Facility or Well Name: <u>Breech "F" 45-M</u> Location: Unit or Qtr/Qtr <u>D</u> Sec <u>35</u> T <u>27N</u> R 6W County <u>Rio Arriba</u> Pit Type: Separator X Dehydrator Other
Location: Unit or Qtr/Qtr <u>D</u> Sec <u>35</u> T <u>27N</u> R 6W County <u>Rio Arriba</u> Pit Type: Separator X Dehydrator Other
Pit Type: Separator_X DehydratorOther
Land Type: BLM_X_, State, Fee, Other
Pit Location: Pit dimensions: length 25', width 25', depth 6' (Attach diagram)
References: wellhead X , other
Footage from reference: 95'
Direction from reference: 300 Degrees East North X
of
X West South
Depth to Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
water elevation of ground water) Greater than 100 feet (0 points) O
Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private 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 1000 feet (10 points)
creeks, irrigation canals and ditches) Greater than 1000 feet (0 points) O
RANKING SCORE (TOTAL POINTS): 0



Date Remediation St	tarted: <u>2-17-97</u> Date Completed: <u>10-17-97</u>
Remediation Method: Check all appropriate	Excavation X Approx. cubic yards 130
sections)	Landfarmed X Insitu Bioremediation
	Other
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	on: Onsite X Offsite
General Description	of Remedial Action: <u>Aeration and Dilution</u>
Ground Water Encoun	tered: No X Yes Depth
	
Final Pit: Closure Sampling: (if multiple samples,	Sample Location <u>Bottom of pit and landfarm</u>
Closure Sampling:	
Closure Sampling: (if multiple samples, attach sample results	
Closure Sampling: (if multiple samples, attach sample results	Sample depth 6' Rock
Closure Sampling: (if multiple samples, attach sample results	Sample depth 6' Rock Sample date 8-26-97 Sample time 1:25 p.m.
Closure Sampling: (if multiple samples, attach sample results	Sample depth 6' Rock Sample date 8-26-97 Sample time 1:25 p.m. Benzene (ppm)
Closure Sampling: (if multiple samples, attach sample results	Sample depth 6' Rock Sample date 8-26-97 Sample time 1:25 p.m. Benzene (ppm) Total BTEX (ppm)
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample depth 6' Rock Sample date 8-26-97 Sample time 1:25 p.m. Benzene (ppm) Total BTEX (ppm) Field headspace (ppm)
Closure Sampling: (if multiple samples, attach sample results and diagram of sample Ground Water Sample	Sample depth 6' Rock Sample date 8-26-97 Sample time 1:25 p.m. Benzene (ppm) Total BTEX (ppm) ND Field headspace (ppm) TPH Landfarm: 210 ppm Pit: 9.6 ppm : Yes No _X (If yes, attach sample results) THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF
Closure Sampling: (if multiple samples, attach sample results and diagram of sample) Ground Water Sample I HEREBY CERTIFY THAT MY KNOWLEDGE AND BELIDATE October 6, 1998	Sample depth 6' Rock Sample date 8-26-97 Sample time 1:25 p.m. Benzene (ppm) Total BTEX (ppm) Field headspace (ppm) TPHLandfarm: 210 ppm Pit: 9.6 ppm : Yes No _X (If yes, attach sample results) THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF EF.





®Certificate of Analysis No. 9708147-05

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

Project No:

Soil

Site:

Sampled By: J. Waggoner

Matrix:

Sample D: Breech F 45M

Date Sampled: Date Received:

08/26/97

08/27/97

Sample ID: Breech F 45M	Date Necotives. 95/2.19		
	Analytical Data		
		DETECTION	
PARAMETER	RESULTS	LIMIT	UNITS
Benzene	ND	5.0	μg/Kg
Toluene	ND	5.0	μ g /Kg
Ethylbenzene	ND	5.0	μ g /Kg
Total Xylene	ND	5.0	μg/Kg
Total Volatile Aromatic Hydrocarbons	ND		μg/Kg
Surrogate	% Recovery		
1,4,Difluorobenzene	100		
4-Bromofluorobenzene	93		
Method 8020A			
Anayzed by: JN			
Date: 09/04/97			
Total Petroleum Hydrocarbons-Diesel	210	4.0	mg/Kg
Surrogate	% Recovery		
n-Pentacosane	MI 380		
Modified 8015A			
Anayzed by: RR			
Date: 09/03/97			
Petroleum Hydrocarbons-Gasoline	ND	0.5	mg/Kg
Surrogate	%Recovery		
1,4,Difluorobenzene	100		
4-Bromofluorobenzene	66		
Method 8020A			
Anayzed by: JN			
Date: 09/04/97			

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

MI - Matrix Interference

Danica Carman, Lab Manager



FARMINGTON LABORATORY

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

® Certificate of Analysis No. 9708147-06

Caulkins Oil and Gas Co.

PO Box 340

Bloomfield, NM 87413 Attn: Bobby Verquer

Date: 09/08/97

Project: Site:

Date Sampled: 08/26/97

Project No: Matrix:

Soil

Sampled By: J. Waggoner Sample ID: Breech F 45M

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	100		
4-Bromofluorobenzene	100		
Method 8020A			
Anayzed by: JN			
Date: 09/04/97			
Total Petroleum Hydrocarbons-Diesel	9.6	4.0	mg/Kg
Surrogate	% Recovery		
n-Pentacosane	94		
Modified 8015A			
Anayzed by: RR			
Date: 09/03/97		٠	
Petroleum Hydrocarbons-Gasoline	ND	0.5	mg/Kg
Surrogate	%Recovery	·	
1,4,Difluorobenzene	93		
4-Bromofluorobenzene	67		
Method 8020A			
Anayzed by: JN			
Date: 09/04/97			

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

MI - Matrix Interference

Danica Carman, Vab Manager

CAULKINS OIL SITE SECURITY DIAGRAM

