District E. Foust
P.O Box 1980, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR
District II
P.O. Drawer DD, Artesia,
NM 88210 JAN 27 1999

District III
1000 Rio Brazos Rd, Aztec,
NM 87410

Approved

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

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 228

Location: Unit or Qtr/Qtr A Sec 18 T 26N R 6W County Rio Arriba

Pit Type: Separator X Dehydrator ____ Other ____

Land Type: BLM X, State ____, Fee ____, Other ____

Pit Location: (Attach diagram)
Pit dimensions: length 27', width 25', depth 12'

References: wellhead X, other ____

Footage from reference: 102'

Direction from reference: 232 Degrees ____ East North ___ of
X West South X

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)	0
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)	0
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)	0
		RANKING SCORE (TOTAL POINTS):	0

Date Remediation Started: 4-97 Date Completed: 7-20-97

Remediation Method: Excavation X Approx. cubic yards 288
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:
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample

Sample Location Bottom of pit and landfarm

Sample depth 14'

Sample date 6-4-97 Sample time 9:10 a.m.

Benzene (ppm) ND

Total BTEX (ppm) ND

Field headspace (ppm) _____

TPH Landfarm:128 ppm Pit:78.9 ppm

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

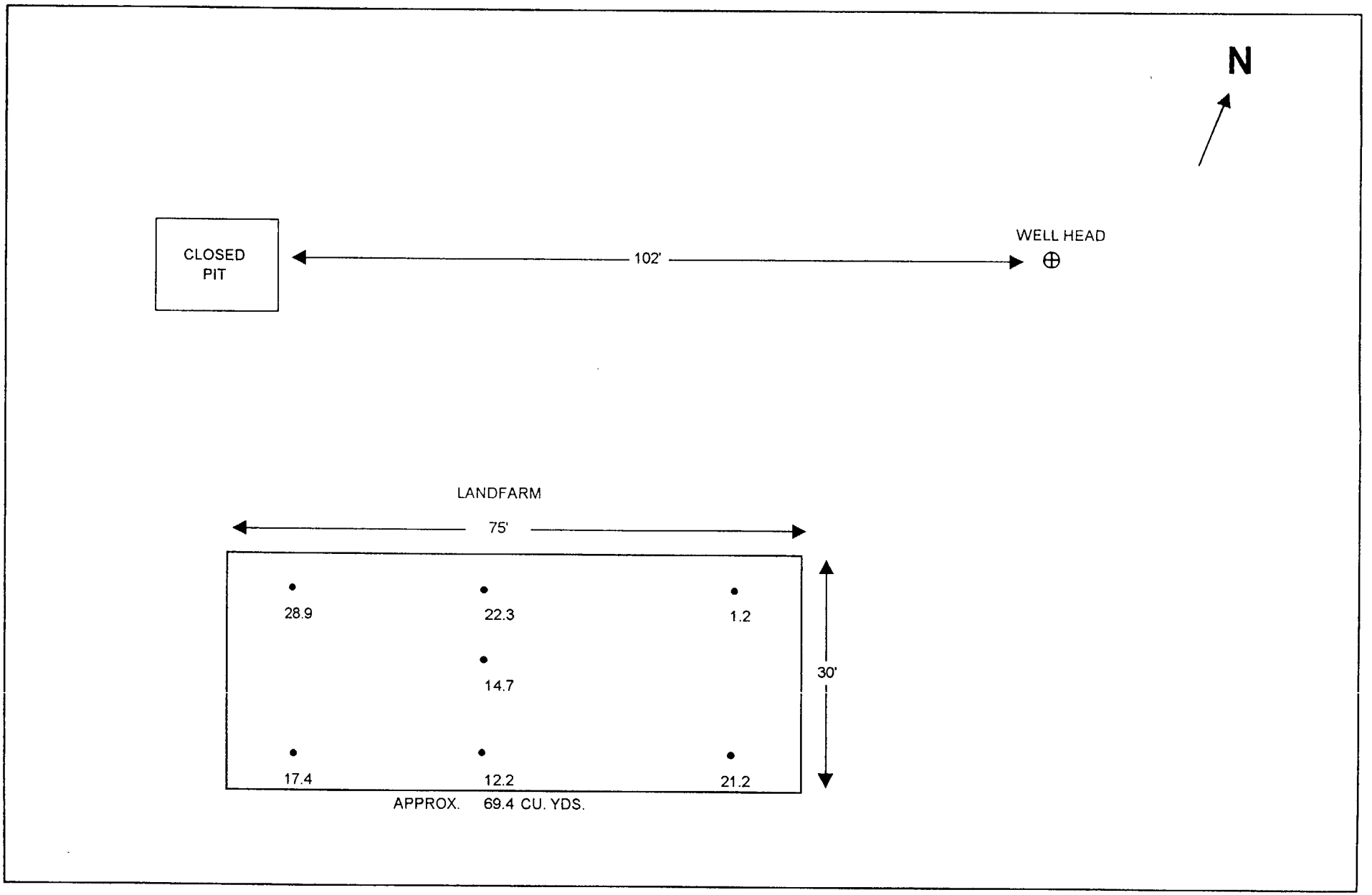
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE October 5, 1998

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

Wellname Breech 228

Caulkins Oil Company



ANAITAS ENVIRONMENTAL LABS

Organic Analysis - Pit Closure

Caulkins Oil Company

Project ID:	Breech Pits	Report Date:	06/30/97
Sample ID:	Breech 228 - Landfarm	Date Sampled:	06/04/97
Lab ID:	7041	Date Received:	06/06/97
Sample Matrix:	Soil	Preservative:	Cool
		Condition:	Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	**ND**	
Benzene	ND	0.16
Toluene	ND	0.16
Ethylbenzene	ND	0.16
m,p-Xylenes	ND	0.31
o-Xylene	ND	0.16
Total Volatile Petroleum Hydrocarbons	**ND**	**35.0**
Total Recoverable Petroleum Hydrocarbons	**128**	**32.4**

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	83	81 - 117%
	Trifluorotoluene	103	50 - 150 %
	o-Terphenyl	99	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 Sandy Johnson for Videna John

ANAITAS ENVIRONMENTAL LABS

Organic Analysis - Pit Closure

Caulkins Oil Company

Project ID:	Breech Pits	Report Date:	06/30/97
Sample ID:	Breech 228 - Pit	Date Sampled:	06/04/97
Lab ID:	7040	Date Received:	06/06/97
Sample Matrix:	Soil	Preservative:	Cool
		Condition:	Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	**ND**	
Benzene	ND	0.15
Toluene	ND	0.15
Ethylbenzene	ND	0.15
m,p-Xylenes	ND	0.30
o-Xylene	ND	0.15
Total Volatile Petroleum Hydrocarbons	**ND**	**33.9**
Total Recoverable Petroleum Hydrocarbons	**78.9**	**32.3**

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	91	81 - 117%
	Trifluorotoluene	105	50 - 150%
	o-Terphenyl	94	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.

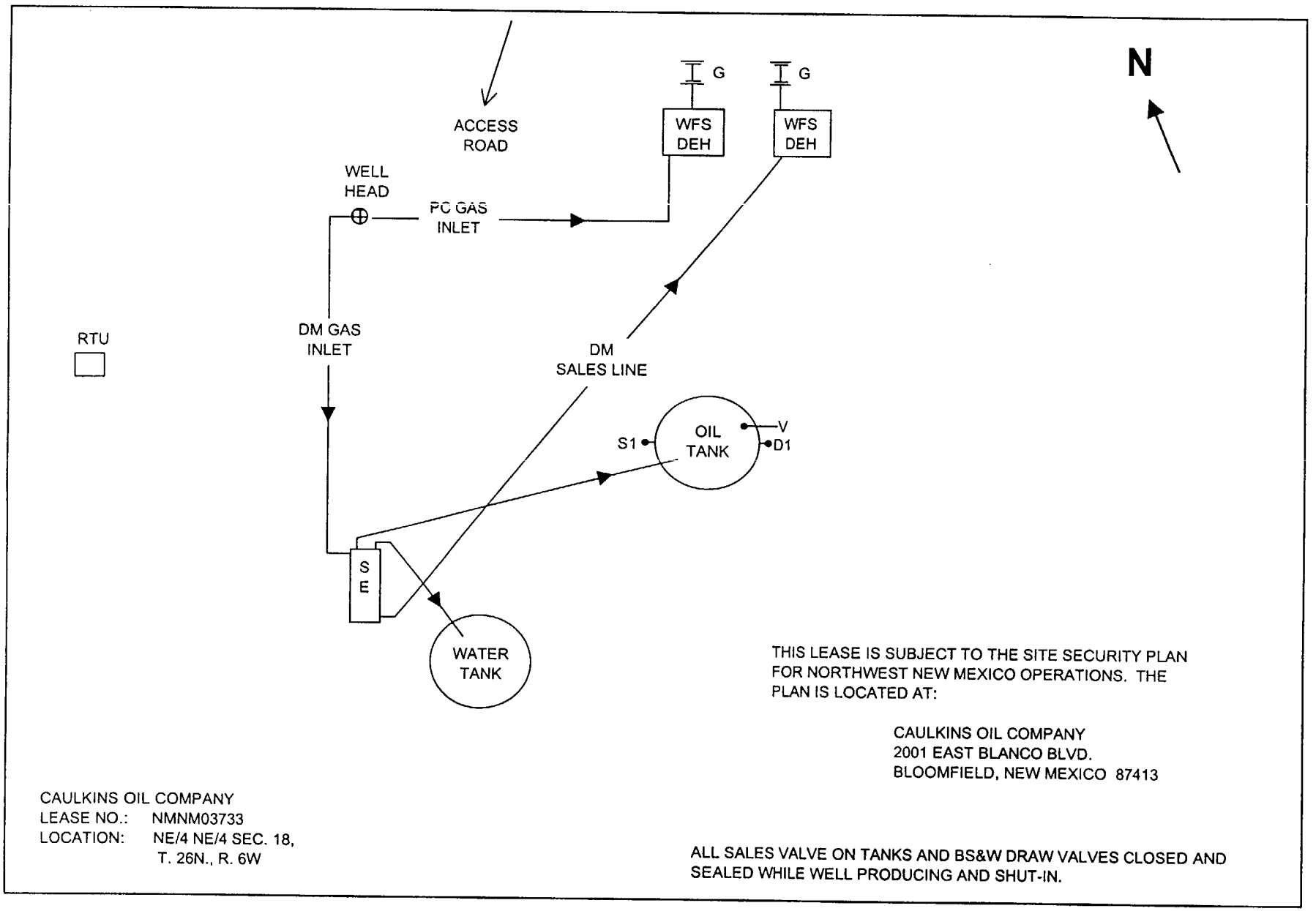
EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:

Review Sandy Johnson for Videna John

WELL NAME: Breech 228

CAULKINS OIL
SITE SECURITY DIAGRAM



THIS LEASE IS SUBJECT TO THE SITE SECURITY PLAN FOR NORTHWEST NEW MEXICO OPERATIONS. THE PLAN IS LOCATED AT:

CAULKINS OIL COMPANY
2001 EAST BLANCO BLVD.
BLOOMFIELD, NEW MEXICO 87413

CAULKINS OIL COMPANY
LEASE NO.: NMNM03733
LOCATION: NE/4 NE/4 SEC. 18,
T. 26N., R. 6W

ALL SALES VALVE ON TANKS AND BS&W DRAW VALVES CLOSED AND SEALED WHILE WELL PRODUCING AND SHUT-IN.

Revised: 8/11/98