

District I  
P.O. Box 1988 Hobbs, NM

**DEPUTY OIL & GAS INSPECTOR**

P.O. Drawer DD, Artesia,  
NM 88221 JAN 27 1999

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

**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 "A" 229

Location: Unit or Qtr/Qtr D Sec 17 T 26N R 6W County Rio Arriba

Pit Type: Separator X Dehydrator      Other     

Land Type: BLM X, State     , Fee     , Other     

Pit Location: Pit dimensions: length 20', width 12', depth 12'  
(Attach diagram)

References: wellhead X, other     

Footage from reference: 85'

Direction from reference: 195 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)	<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

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

Breec h A # 229

7/23/97

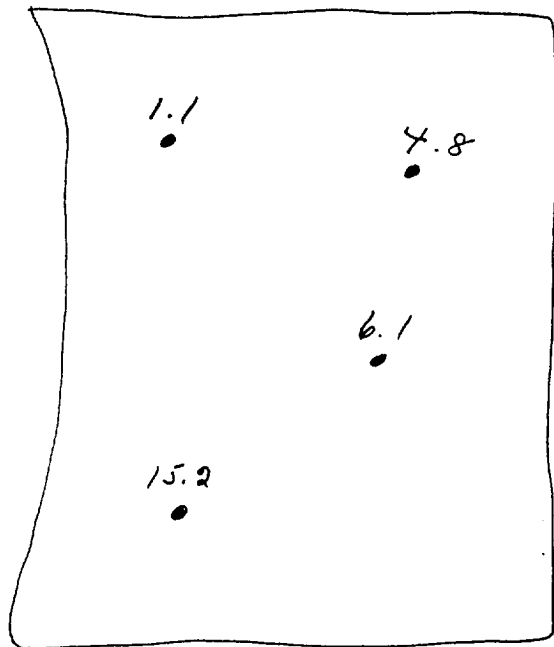
Can/Kins Oil

Sec. 17, 26N, 6W, 10

LandFarm: On Location

Composite sample # 9707231500 (4pt comp.)

Soil vapor headspace PID reading = 27.9 ppm



2"-12" depth

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *Denver Bearden*  
Company: *PNM Gas Services*  
Address: *603 W. Elm*  
City, State: *Farmington, NM 87401*

Date: *16-Sep-97*  
COC No.: *5700*  
Sample No.: *16111*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #229*  
Project Location: *9709091500; 14' depth*  
Sampled by: *GC* Date: *9-Sep-97* Time: *15:00*  
Analyzed by: *DC/HR* Date: *15-Sep-97*  
Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>1241</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

DRO QC No.: 0555-STD

#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>197</i>	<i>1.5</i>	<i>15%</i>

#### Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>100</i>	<i>94</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: *[Signature]*  
Date: *9/16/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *Denver Bearden*  
Company: *PNM Gas Services*  
Address: *603 W. Elm*  
City, State: *Farmington, NM 87401*

Date: *1-Aug-97*  
COC No.: *5948*  
Sample No.: *15468*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #229 Landfarm*  
Project Location: *9707231500; 4pt. Composite*  
Sampled by: *GC* Date: *23-Jul-97* Time: *15:00*  
Analyzed by: *HR/DC* Date: *24-Jul-97*  
Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	291	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

DRO QC No.: 0548-STD

#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	186	7.4	15%

#### Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	89	96	(70-130)	8	20%

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: *[Signature]*  
Date: *8/1/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *Denver Bearden*  
Company: *PNM Gas Services*  
Address: *603 W. Elm*  
City, State: *Farmington, NM 87401*

Date: *17-Sep-97*  
COC No.: *5700*  
Sample No.: *16111*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #229*

Project Location: *9709091500; 14' depth*

Sampled by: GC Date: *9-Sep-97* Time: *15:00*

Analyzed by: DC Date: *11-Sep-97*

Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	32	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	40	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	147	ug/kg	1	ug/kg
<i>o-Xylene</i>	31	ug/kg	1	ug/kg
	<i>TOTAL</i>	250		ug/kg

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*  
Date: *9/17/97*



# CAULKINS OIL SITE SECURITY DIAGRAM

WELL NAME: Breach A 229

