

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech "D"

9. WELL NO.

185

10. FIELD AND POOL, OR WILDCAT

South Blanco PC

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 11 26N 6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba N Mex.

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1700 from the South and 990 from the West

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6515 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4-14-78 Cleaned out to TD 3050

4-14-78 Cemented 2 7/8" 6.5# 8rd thd. tubing 3050 to surface with 100sacks 65-35-12 Filler cement followed by 50 sacks Neat. Cement circulated to surface.

4-25-78 Perforated 2 7/8" with 6 holes at following 2994, 2997, 3004 3010, 3017 and 3024.

4-26-78 Fractured with 30,000# 20-40 sand and 771 bbls water.

5-3-78 Ran 1" tubing to 3008'

5-15-78 Well on line to Gas Company of New Mexico.

18. I hereby certify that the foregoing is true and correct

SIGNED

Deane Blansett

TITLE

Prod. Foreman

DATE

5-16-78

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Denny E. Faust
District I
P.O. Box 1980, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR
District II
P.O. Drawer DD, Artesia, NM 88221

District III
FEB 26 1998
1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
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: PNM Gas Services (Caulkins)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Breech D #185			
Location:	Unit <u>L</u>	Sec <u>11</u>	T <u>26 N</u> R <u>6 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other <input type="checkbox"/> Drip <input type="checkbox"/>
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other <input type="checkbox"/> No <input type="checkbox"/>
Pit Location:	Pit dimensions: length <u>25</u> width <u>25</u> depth <u>3</u>		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
	Footage from reference: <u>90'</u>		
	Direction from reference: <u>15</u> Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> North <input checked="" type="checkbox"/> of <input type="checkbox"/> West <input type="checkbox"/> South <input type="checkbox"/>		
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 1,000 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 1,000 feet (10 points) Greater than 1,000 feet (0 points) <u>10</u>			
RANKING SCORE (TOTAL POINTS):			<u>10</u>

Breach D #185

Date Remediation Started: 8/11/97

Date Completed: 8/11/97

Remediation Method: Excavation ☒ Approx. Cubic Yard 249

(Check all appropriate sections)

Landfarmed ☒ Amount Landfarmed (cubic yds) 249

Other

Remediation Location:

Onsite

☒

Offsite

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

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 24' X 20' X 14' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil met regulatory levels.

Ground Water Encountered:

No

☒

Yes

Depth

Final Pit Closure Sampling:

Sample Location

5 pt. composite - 4 side walls and center of pit bottom.

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth

12' walls and 14' bottom

Sample date

8/11/97

Sample time

2:00:00 PM

Sample Results

Benzene (ppm) < 0.0250

Total BTEX (ppm) 1.888C

Field headspace (ppm)

TPH (ppm)

< 5.00

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes

No

Ground Water Sample:

Yes

No

☒

(If yes, see attached Groundwater Site Summary Report)

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

DATE October 27, 1997

SIGNATURE

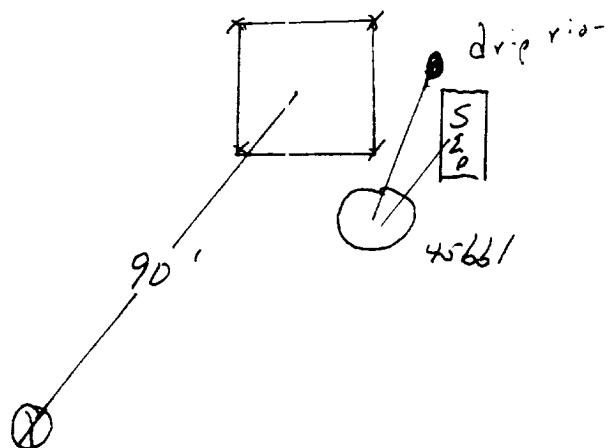
PRINTED NAME
AND TITLEDenver Bearden
Administrator III

Breech O #185
Caulkins O:1
Sec 11, 26N, 6W, L

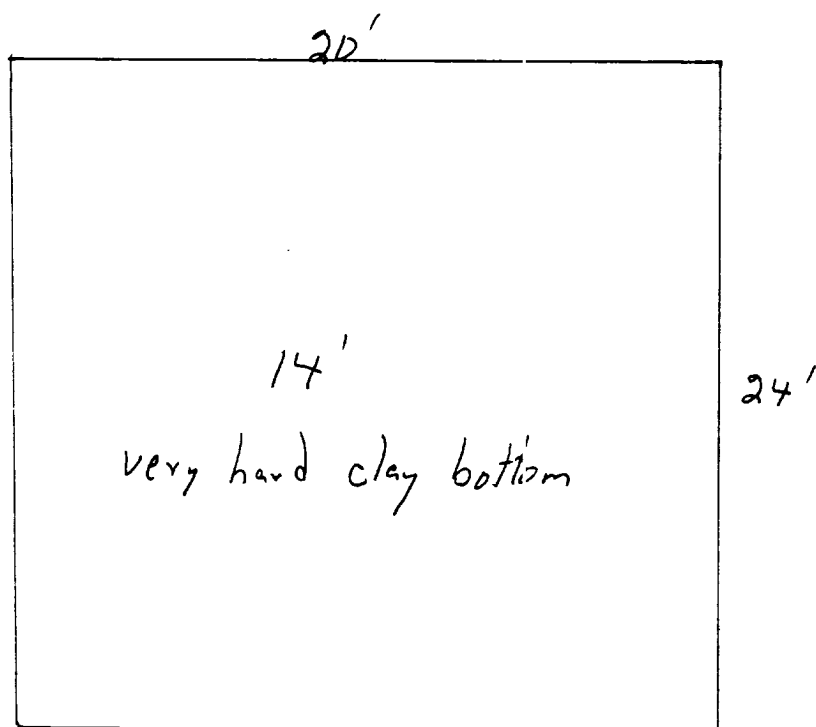
8-11-97



Start of excavation:



End of excavation:



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: *21-Aug-97*
COC No.: *5969*
Sample No.: *15748*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #185*
Project Location: *9708111400; Composite, 4 Walls @ 12' and Bottom @ 14'*
Sampled by: *GC* Date: *11-Aug-97* Time: *14:00*
Analyzed by: *HR/DC* Date: *20-Aug-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>	ND	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	201	0.6	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	85	89	(70-130)	4	20%

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

Approved by: *[Signature]*
Date: *8/21/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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: 21-Aug-97
COC No.: 5969
Sample No.: 15748
Job No.: 2-1000

Project Name: ***PNM Gas Services - Breech D #185***
Project Location: ***9708111400; Composite, 4 Walls @ 1:2' and Bottom @ 14'***
Sampled by: GC Date: 11-Aug-97 Time: 14:00
Analyzed by: HR Date: 20-Aug-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	25	ug/kg
<i>Toluene</i>	ND	ug/kg	25	ug/kg
<i>Ethylbenzene</i>	141	ug/kg	25	ug/kg
<i>m,p-Xylene</i>	1309	ug/kg	25	ug/kg
<i>o-Xylene</i>	438	ug/kg	25	ug/kg
<i>TOTAL</i>		1888	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: *8/21/97*

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- TECHNICAL BLENDING INDUSTRY WITH THE ENVIRONMENT -

↑
N

9-2-97-@ 1030

Breach D #185

Caulkins

(L) 11-26N-6W

Rio Arriba

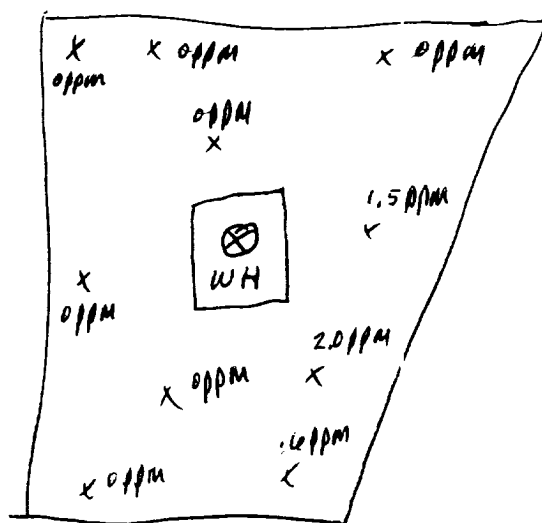
Sample # 9704021030

Land farm field head space - 3.5 ppm

MH

See lab analysis for BTEX.

20



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: *9-Sep-97*
COC No.: *5654*
Sample No.: *16022*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #185 Landfarm*
Project Location: *9709021030; Composite Sample*
Sampled by: *RH* Date: *2-Sep-97* Time: *10:30*
Analyzed by: *DC/HR* Date: *8-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>	ND	mg/kg	5	mg/kg

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>	ND	ppm	200	206	2.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	95	85	(70-130)	10	20%

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

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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



ON SITE
TECHNOLOGIES, LTD.


ANALYTICAL REPORT

Date: 8-Sep-97
COC No.: 5654
Sample No.: 16022
Job No.: 2-1000

2-Sep-97 Time: 10:30
5-Sep-97

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>		ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>		1	ug/kg	1	ug/kg
<i>m,p-Xylene</i>		3	ug/kg	1	ug/kg
<i>o-Xylene</i>		ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	4	ug/kg		

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

Approved by: 
Date: 9/8/97

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -