

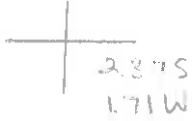
LATITUDE

37°50'15"

81°52'30"

81°50'15"

LONGITUDE



7'5 OGIS topo location

7.5' loc 2.37S  
1.71W

15' loc 5.25S  
 (calc.) 3.98W

Company Permeator Corp

Farm PC, Winters, W.F. Robinson  
2 (3)

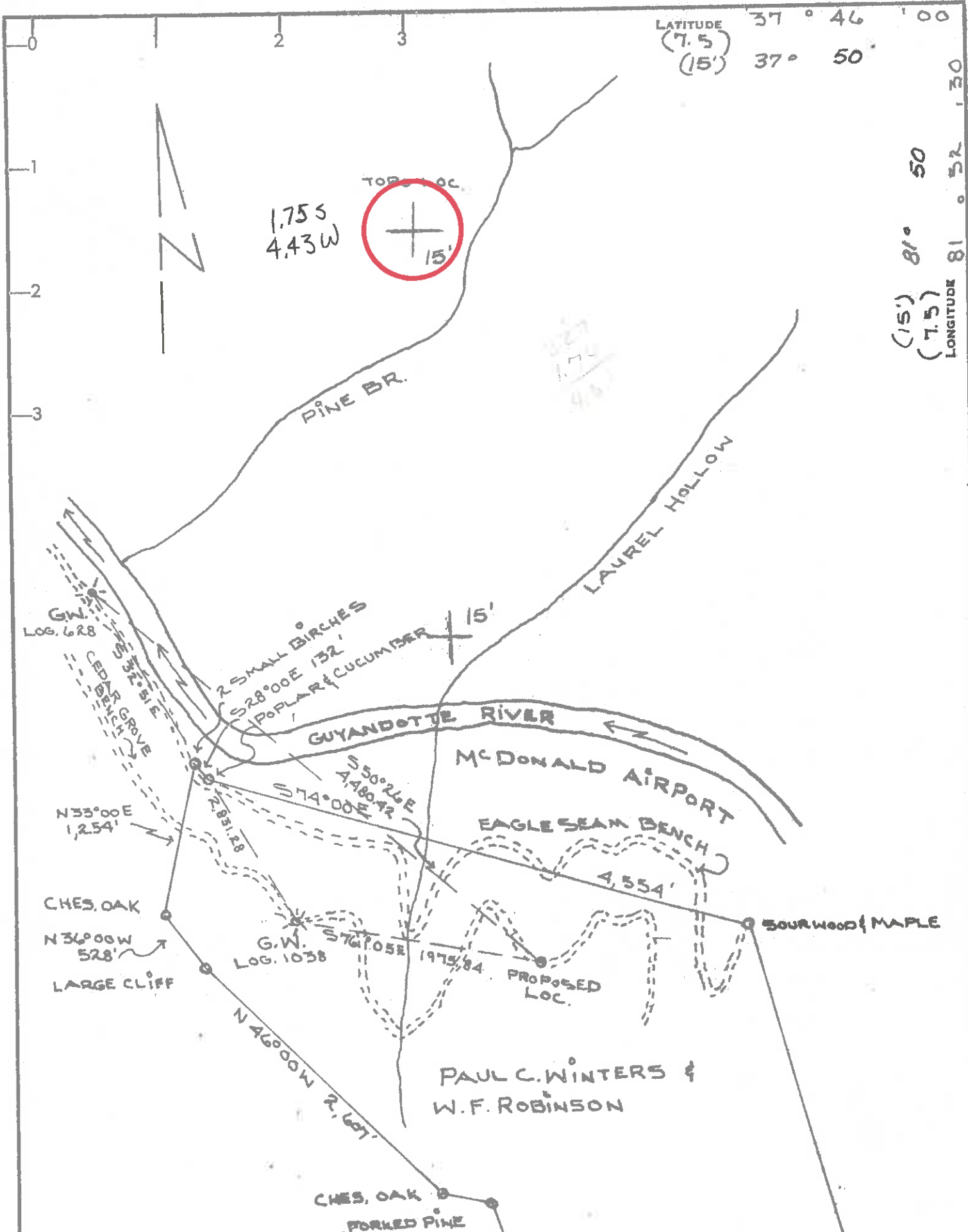
Quad Logan 7.5 + 15' SW

County Logan

District Philadelphia

WELL LOCATION MAP

File No. Logan 1039-P



LATITUDE 37° 46' 00"  
 (7.5)  
 (15') 37° 50'

LONGITUDE 81° 52' 30"  
 (15') 81° 50'  
 (7.5)

**CERTIFICATE**

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 1/5000.00

Signed D.P. Drake 50209

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT 11/9/79

COMPANY PERMEATOR CORPORATION  
 ADDRESS 5200 MITCHELL - HUSTON TX. 77092  
 FARM PAUL C. WINTERS & W.F. ROBINSON  
 MAP \_\_\_\_\_ ACRES 515.76 LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. 2 SERIAL NO. 3  
 ELEVATION (SPIRIT LEVEL) 1173.48  
 QUADRANGLE SW 1/4 LOGAN 15' QUAD. 5C  
 COUNTY LOGAN DISTRICT TRIADDELPHIA  
 POINT OF PROVEN ELEVATION DEHVE #2 USCG.  
A STATION 1870.00  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE 10-22-79 SCALE 1" = 1000'

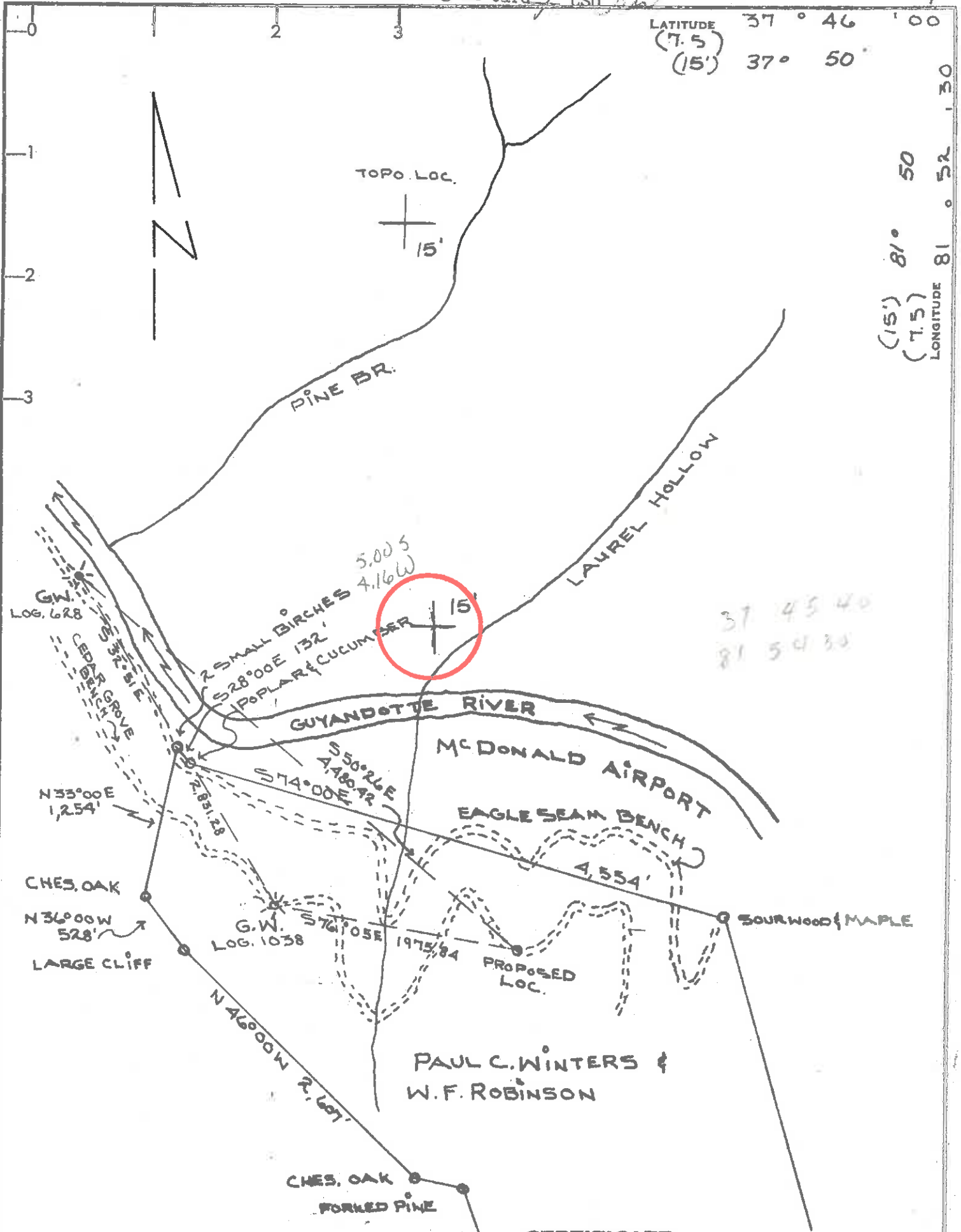
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**

FILE NO. **47-045-1039-P**

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

**CERTIFICATE**  
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."  
 Minimum degree of accuracy is one part in 1/5000.00

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COMPANY PERMEATOR CORPORATION  
 ADDRESS 5200 MITCHELL - HUSTON TX. 77092  
 FARM PAUL C. WINTERS & W.F. ROBINSON  
 MAP \_\_\_\_\_ ACRES 515.76 LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. 2 SERIAL NO. 3  
 ELEVATION (SPIRIT LEVEL) 1173.48 SC  
 QUADRANGLE SW/4 LOGAN 15' QUAD.  
 COUNTY LOGAN DISTRICT TRIADDELPHIA  
 POINT OF PROVEN ELEVATION DEHVE #2 USCG.  
A STATION 1870.00  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE 10-22-79 SCALE 1" = 1000'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. **47-045-1039**  
 + DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 50,000. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN NOV 14 1979  
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

2200 Res Survey Rev 6-0 272



RECEIVED *allan*

DEC 26 1979

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORDS**

OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Logan  
Permit No. 47-045-1039

Appalachian Drilling  
Rig "Laurie"  
Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ Dry  
(Kind)

Company Permeator Corporation No. 3  
Address 5200 Mitchelldale-Suite F30, Houston, TX  
Farm P.C. Winters, W.F. Robinson Acres. 515.76  
Location (waters) Guyandotte River  
Well No. 2-S-3 Elev. 1185 EKB  
District Tridelpia County Logan  
The surface of tract is owned in fee by Paul C. Winters & W. F. Robinson  
Address Logan, West Virginia  
Mineral rights are owned by same  
Address \_\_\_\_\_  
Drilling Commenced 10-30-79  
Drilling Completed 11-4-79  
Initial open flow none cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>1 3/16" / 11 3/4"</u>	30	30	175 SKS
9 5/8			
8 5/8	1730.85	1730.85	425 SKS
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

Plug and Abandon

Coal was encountered at 208-211, 232 Feet \_\_\_\_\_ Inches  
Fresh water 30, 200, 827 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Dry through Berea Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Fill Dirt			0	20		
Sand & Shale			20	208		Water @ 30'
Coal			208	211		Water @ 200'
Sand & Shale			211	232		
Mine Opening (?)			232			
Sand & Shale				365		
Shale			365	434		
Sand & Shale			434	482		
Shale			482	620		
Shale & Sand			620	726		
Sand			726	770		
Shale			770	802		
Sand & Shale			802	924		Damp @ 827'
Sand			924	1044		
Shale & Sand			1044	1106		
Sand			1106	1122		
Shale & Sand			1122	1209		
Sand			1209	1682		
Shale & Sand			1682	2148		
Sand & Shale			2148	2182		
Shale & Sand			2182	2262		
Lime & Shale			2262	2319		
Pencil Cave			2319	2346		

(over)

\* Indicates Electric Log tops in the remarks section.

JAN 2 1980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Big Lime			2346	2604		
Shale & Sand			2604	2876		
Shale			2876	3190		
Coffee Shale			3190	3218		
<u>Berea</u>			3218	3248		
Shale			3248			
TOTAL DEPTH				3344		
Logged by Birdwell						
Initial Open Flow - No Gas						

Date \_\_\_\_\_ 19\_\_

APPROVED Permeator Corporation \_\_\_\_\_ Owner

By \_\_\_\_\_

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 3  
API Well No. 47 - 045 - 1039  
State County Permit

WELL TYPE: Oil      / Gas X /  
(If "Gas", Production X / Underground storage      / Deep      / Shallow X /)

LOCATION: Elevation: 1174.69 Watershed: Guyandot River  
District: Tridelpia County: Logan Quadrangle: Logan

WELL OPERATOR Permeator Corporation  
Address 5200 Mitchelldale, Suite F-30  
Houston, Texas 77092

DESIGNATED AGENT D. Gene Haney  
Address 1562 Dixie Street  
Charleston, W. Va. 25311

OIL & GAS ROYALTY OWNER Paul C. Winters & W. F. Robinson  
Address Logan, W. Va.

COAL OPERATOR Elkay Mining Company  
Address     

ACREAGE 515.76  
SURFACE OWNER Same  
Address       
ACREAGE     

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name       
Address       
Name       
Address     

FIELD SALE (IF MADE) TO:  
Name       
Address     

COAL LESSEE WITH DECLARATION ON RECORD:  
Name       
Address       
00125 1979

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Mr. Arthur St. Clair  
Address Brenton, W. Va.

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease X / other contract      / dated     , 19    , to the undersigned well operator from     

[If said deed, lease, or other contract has been recorded:]  
Recorded on Nov. 30, 1968, in the office of the Clerk of the County Commission of Logan County, West Virginia, in Logan Book 29 at page 360. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper      / Redrill      / Fracture or stimulate      /  
Plug off old formation      / Perforate new formation      /  
Other physical change in well (specify)     

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: 336-3092

PERMEATOR CORPORATION  
Well Operator  
By D. Gene Haney  
Its Designated Agent

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Appalachian Drilling Company  
Address Post Office Box 2669  
Charleston, W. Va. 25301

GEOLOGICAL TARGET FORMATION, Big Lime, Berea Topo. El. 1120'  
Estimated depth of completed well, 3200 feet Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 485 feet; salt, 875 feet.  
Approximate coal seam depths 220, 365, 465, 795 Is coal being mined in the area: Yes      / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used			
Conductor	16"			X		30'	30'	Kinds
Fresh water								
Coal	11"			X		240'	240'	Surface
Intermediate	8 5/8"			X		1640'	1640'	Surface
Production	4 1/2"			X		-	3200'	As needed
Tubing								
Liners								Per. sections:

NOTE: Regulation 2.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is required and is noted as such on the Form IV-2 filed in connection therewith.

Fermeator Corporation  
Paul C. Winters & W. F. Robinson #2  
Tridelpia District, Logan Co., W. Va.

All provisions being in accordance with Chapter 22 of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire on 6-30-80  
*[Signature]*

Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator      / owner X / lessee      / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: October 22, 1979

Bruce McDonald Real Estate Trust  
W. F. Robinson, Paul C. Winters, Trustees  
W. F. Robinson  
*[Signature]*  
Its Trustee (Attorney in Fact)

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

Dry Hole

WELL TYPE: Oil \_\_\_/ Gas \_\_\_/ Liquid Injection \_\_\_/ Waste Disposal \_\_\_/

(If "Gas", Production \_\_\_/ Underground storage \_\_\_/ Deep \_\_\_/ Shallow X /

LOCATION: Elevation: 1185 EKB Watershed: Guyandotte River

District: Tridelphia County: Logan Quadrangle: Logan

WELL OPERATOR Permeator Corporation  
Address 5200 Mitchelldale-Suite F30  
Houston, Texas 77092

DESIGNATED AGENT D. G. Haney  
Address 1562 Dixie St.  
Charleston, West Virginia 25311

STATE OF WEST VIRGINIA, )  
COUNTY OF \_\_\_\_\_ ) SS:

Gene Jeffers and Carl Hively

being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells; that they were employed by Appalachian Drilling & Haliburton the well operator, and participated in the work of plugging and filling the above well; that the work was commenced on 11-5, 1979, and completed on 11-5, 1979, in the following manner:

PERMITTED WORK: Plug and abandon X / Clean out and replug \_\_\_/

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
Neat		3343	3143
	Jel	3143	2635
Neat		2635	2585
	Jel	2585	1760
Neat		1760	1710
	Jel	1710	50
Neat		50	0

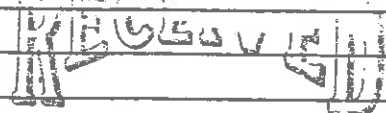
Bridge Plugs Used--Type and Depth

COAL SEAMS (NAMES AND DEPTHS)

Eagle 208-211  
Location is on Cedar Grove bench

DESCRIPTION OF WELL MONUMENT

8" Casing



JAN 14 1980

OIL & GAS DIVISION  
DEPT. OF MINES

Gene Jeffers (SEAL)  
Carl R. Hively (SEAL)

Subscribed and sworn to before me this  
27 day of December, 1979.

My commission expires Nov. 2, 1988.

Anne G. Haney  
Notary Public