



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

SEP - 2 1981

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE September 1, 1981

Surface Owner Ralph Maze  
Address 1435 12th St. Canton, Ohio  
Mineral Owner Same as above  
Address \_\_\_\_\_  
Coal Owner Same as above  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company Petroleum Development Corporation  
Address P. O. Box 26, Bridgeport, WV 26330  
Farm Ralph Maze Acres 115.35  
Location (waters) North Fork of Hughes River  
Well No. Two (2) Elevation 945'  
District Grant County Ritchie  
Quadrangle Petroleum

**HIS PERMIT MUST BE POSTED AT THE WELL SITE**

All provisions being in accordance with Chapter 22,  
of the W. Va. Code, the location is hereby approved  
for drilling. This permit shall expire if  
operations have not commenced by May 11, 1982.

INSPECTOR  
TO BE NOTIFIED K. Paul Goodnight  
ADDRESS Smithville, WV 26178  
PHONE 477-3660

*J. E. Hargree*  
Deputy Director - Oil & Gas Division  
GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 28 1981 by Ralph Maze made to Petroleum Development Corp. and recorded on the 7th day of April 1981 in Ritchie County, Book 133 Page 319  
XX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Very truly yours,  
(Sign Name) *John R. Mitchell*  
Well Operator  
PETROLEUM DEVELOPMENT COEPORATION  
P. O. Box 26  
Street  
Bridgeport  
City or Town  
West Virginia 26330  
State

\*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

**BLANKET BOND**

**THIS IS AN ESTIMATE ONLY**  
**ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME ubknown NAME Petroleum Development Corporation  
 ADDRESS \_\_\_\_\_ ADDRESS P. O. Box 26, Bridgeport, WV 26330  
 TELEPHONE \_\_\_\_\_ TELEPHONE 304-842-6256  
 ESTIMATED DEPTH OF COMPLETED WELL: 5500' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Marcellus Shale  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>11 3/4</u>	40	40	Surface
9 - 5/8			
8 - 5/8 <u>1600</u>	1600	1600	Surface
7			
5 1/2			
4 1/2 <u>5500</u>	Production	5500	<u>500</u> Sks. or as reqd. by rule 15.01
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
 For Coal Company

\_\_\_\_\_  
 Official Title

STAMPED BOND

Date August 11 19 81  
Well No. 2  
API No. 47 - 085 - 5263  
State County Permit

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name Petrokum Development Designated Agent DAVE Dooty  
Address P.O. Box 26 BRIDGECROFT, W.V. Address SAME  
Telephone 842-6256 Telephone SAME  
Landowner Ralph MAZE Soil Cons. District Little Kanawha  
Revegetation to be carried out by Reclamation Contractors (Agent)  
This plan has been reviewed by Little Kanawha SCD. All corrections  
and additions become a part of this plan. 8-12-81 Jarrett Newlon  
(Date) (SCD Agent)

Access Road	Location
Structure <u>Drain Pipe</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>(min. 12" I.D.)</u>	Material <u>Earthen</u>
Page Ref. Manual <u>1.8</u>	Page Ref. Manual <u>1.11</u>
Structure <u>DRAINAGE Ditch</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing _____	Material <u>Stone</u>
Page Ref. Manual <u>1.11</u>	Page Ref. Manual <u>N/A</u>
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

**RECEIVED**

All structures should be inspected regularly and repaired if necessary.

SEP - 2 1981

Revegetation

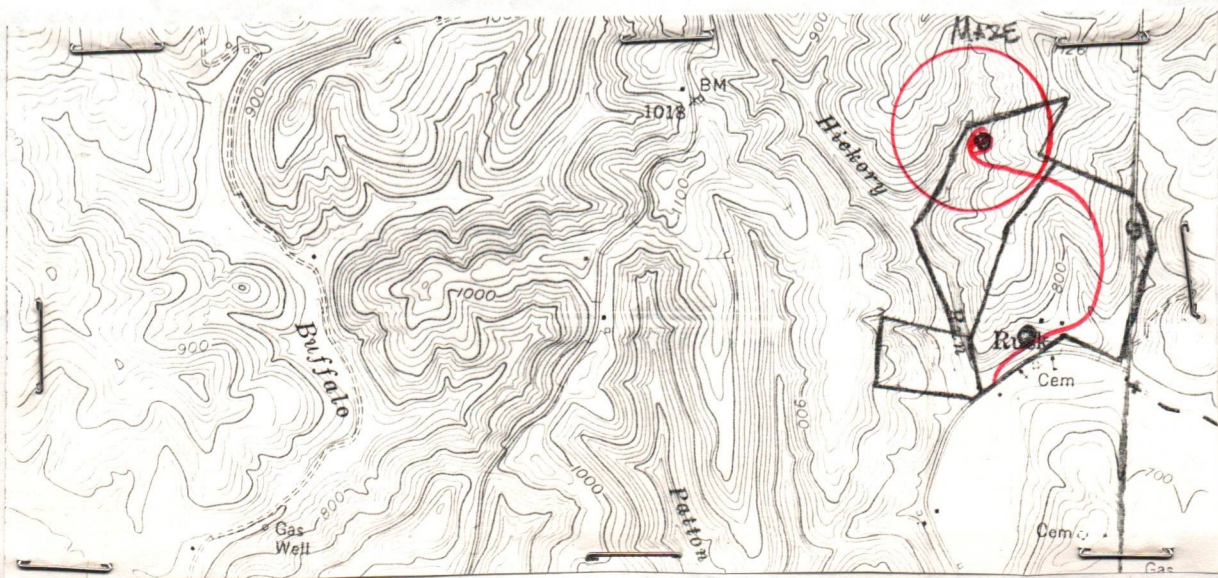
Treatment Area I		Treatment Area II	
Lime <u>As Needed</u> Tons/acre	or correct to pH <u>6.5</u>	Lime <u>As Needed</u> Tons/Acre	or correct to pH <u>6.5</u>
Fertilizer <u>500</u> lbs/acre	(10-20-20 or equivalent)	Fertilizer <u>500</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>Hay - (2)</u> Tons/Acre		Mulch <u>Hay - (2)</u> Tons/Acre	
Seed* <u>Ky-31 - (10)</u> lbs/acre		Seed* <u>Ky-31 - (10)</u> lbs/acre	
<u>Meadow Mix (30)</u> lbs/acre		<u>MEADOW MIX (30)</u> lbs/acre	

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Attach or photocopy section of involved Topographic map. Quadrangle CAIRO - 7.5

Legend:  Well Site  
 Access Road



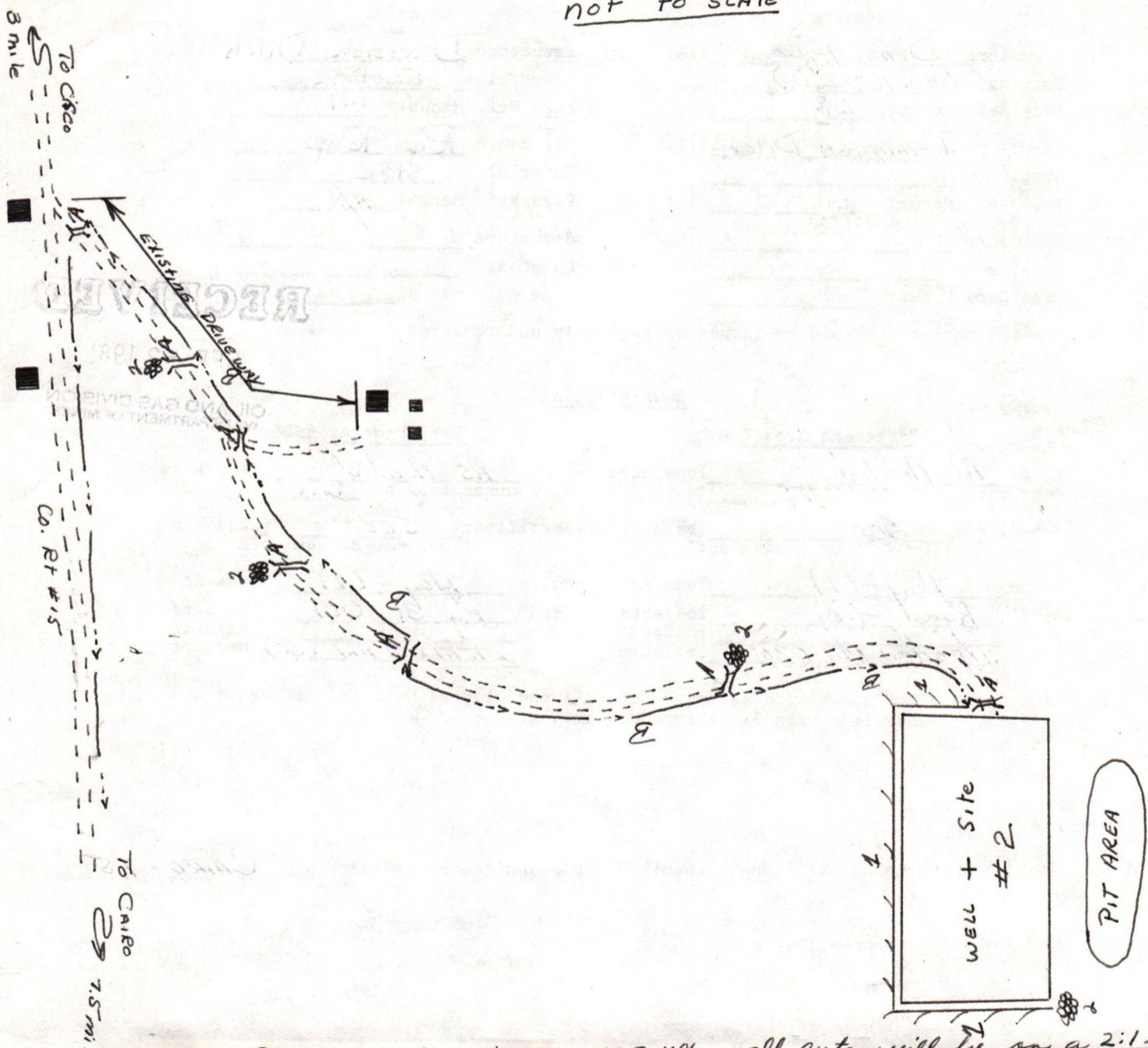
Well Site Plan

- Legend:
- Property Boundary
  - Road
  - Existing Fence
  - Planned Fence
  - Stream
  - Open Ditch

- Diversion
- Spring
- Wet Spot
- Building
- Drain Pipe
- Waterway

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.

not to scale



Comments: Slope of roadway is approx. 8-10% - all cuts will be on a 2:1 slope or less. All timber will be cut + stacked off of location. All ditched and culverts will be maintained. Seed mixture #2 will be used on all critical areas.

Signature: Dave R. Party Agent      P.O. Box 26 Bridgeport, W.Va. 842-6256 Address      Phone Number

Reclamation to be done within 3 mo. of well completion.

Please request landowners cooperation to protect new seeding for one growing season.

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1.  Show to whom, date and address of delivery.
- 2.  Restricted Delivery.

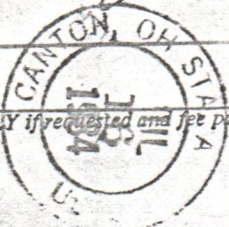
3. Article Addressed to:  
 Ralph D. Maze  
 1435 12th Street, NE  
 Canton, Ohio 44705

4. Type of Service: Article Number  
 Registered  Insured P 405 258 140  
 Certified  COD  
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X *Eugenia Maze*  
 6. Signature - Agent  
 X  
 7. Date of Delivery  
 8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1.  Show to whom, date and address of delivery.
- 2.  Restricted Delivery.

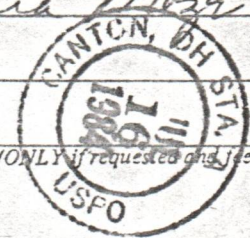
3. Article Addressed to:  
 Eugenia Maze  
 1435 12th Street, NE  
 Canton, Ohio 44705

4. Type of Service: Article Number  
 Registered  Insured P 405 258 189  
 Certified  COD  
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X *Eugenia Maze*  
 6. Signature - Agent  
 X  
 7. Date of Delivery  
 8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



RECEIVED JUL 19 1984

OIL & GAS DIVISION DEPT. OF MINES

RECEIVED AUG 1 1984

OIL & GAS DIVISION DEPT. OF MINES

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

PS Form 3811, Jan. 1979

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one)
- Show to whom and date delivered.....
  - Show to whom, date and address of delivery.....
  - RESTRICTED DELIVERY
  - Show to whom and date delivered.....
  - RESTRICTED DELIVERY
  - Show to whom, date, and address of delivery, \$ \_\_\_\_\_

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:  
 Marilee Reinhardt  
 207 W. Hill St, PO Box 309  
 Pleasant Hills, Ohio 45459

3. ARTICLE DESCRIPTION:  
 REGISTERED NO. CERTIFIED NO. INSURED NO.  
 P 405 254 226

(Always obtain signature of addressee or agent)

I have received the article described above. SIGNATURE  Addressee  Authorized agent

4. DATE OF DELIVERY  
*Marilee Reinhardt*  
 JUL 16 1984

5. ADDRESS (complete only if requested)  
 6. UNABLE TO DELIVER BECAUSE



*M. Maze*



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Treated with TPL shots from 5318'-88' and 5550'-60', using 500# of propellant and 2500# of 20/40 sand in each zone.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
K.B. - G.L.			0	10'	
Sand, shale			10'	560'	
Sand, shale, red rock			560'	766'	
Sand, shale			766'	1790'	
Big Lime			1790'	1841'	
Big Injun			1841'	1912'	
Squaw			1912'	1922'	
Sand, shale			1922'	2304'	
Berea			2304'	2324'	
Sand, shale			2324'	2700'	Gas check @ 2399' - No show
Gordon			2700'	2740'	Gas check
Sand, shale			2740'	4544'	Gas check @ 3611' - No show
Riley			4544'	4588'	
Sand, shale			4588'	4766'	
Benson			4766'	4780'	
Sand, shale			4780'	5104'	
Cedar Creek			5104'	5140'	
Sand, shale			5140'	5260'	
Rhinestreet Shale			5260'	5610'	
Marcellus Shale			5610'	5677' TD	

(Attach separate sheets as necessary)

Petroleum Development Corp. P.O. Box 26 Bridgeport, WV

Well Operator

By:

Date:

8/7/84

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

Form 26  
2/16/82

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT

RECEIVED  
OCT 24 1982

Permit No. 47-085-5263-P

WELL NO. \_\_\_\_\_  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

COMPANY PETROLEUM DEVELOPMENT CORP. ADDRESS 103 E. MAIN ST., BRIDGEPORT, WV 26330

FARM RALPH MAZE DISTRICT GRANT COUNTY RITCHIE

Filling Material Used AQUAGEL + CEMENT

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT THICKNESS	WOOD SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST
5100-4900	CEMENT		13 BL.					
4900-4780	GEL							
4780-4720	CEMENT		3.7 BL.					
4720-4600	GEL							
4600-4500	CEMENT		6.3 BL.					
4500-4000	GEL							
4000-3850	CEMENT		9.3 BL.					
3850-3230	GEL							
3230-3130	CEMENT		6.3 BL.					

Drillers' Names \_\_\_\_\_

Remarks:  
① PULLED RODS, THEN USED 2" TUBING TO SPOT CEMENT + GEL IN HOLE  
② GELED HOLE WITH 370 BL  
③ STOPPED CEMENT JOB AT 3130' DUE TO FACT THAT HOLE STARTED TAKING FLUID  
WILL COMPLETE JOB ON 9-21-85, TO ADD FLOCELE TO MIX OF GEL OR CEMENT

9-20-85 I hereby certify I visited the above well on this date.  
DATE

Samuel N. Hersman  
DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

DEPARTMENT OF OIL & GAS  
DIVISION OF OIL & GAS  
Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company _____ Address _____ Farm _____ Well No. _____ District _____ County _____ Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____
	16			Size of _____
	13			Depth set _____
	10			Perf. top _____
	8 1/4			Perf. bottom _____
	6 5/8			Perf. top _____
	5 3/16			Perf. bottom _____
	3			
	2			
	Liners Used			

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

**RECEIVED**  
MAY 15 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 47-085-5263

Oil or Gas Well OIL&GAS  
(KIND)

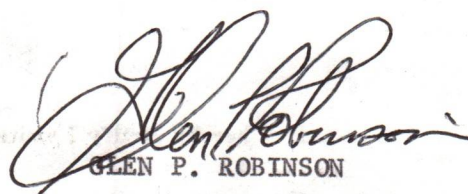
Company <u>PDC</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>P.O. BOX 26 BRIDGEPORT, WV 25330</u>				
Farm <u>MACE</u>	Size			Kind of Packer
Well No. <u>#2</u>	16			
District <u>GRANT</u> County <u>RICHIE</u>	13			Size of
Drilling commenced	10			Depth set
Drilling completed Total depth	8 1/4			
Date shot Depth of shot	6 3/4			Perf. top
Initial open flow /10ths Water in Inch	5 3/16			Perf. bottom
Open flow after tubing /10ths Merc. in Inch	3			Perf. top
Volume Cu. Ft.	2			Perf. bottom
Rock pressure lbs. hrs.	Liners Used			
Oil bbls., 1st 24 hrs.	CASING CEMENTED SIZE No. FT. Date			
Fresh water feet feet	NAME OF SERVICE COMPANY			
Salt water feet feet	COAL WAS ENCOUNTERED AT FEET INCHES			
	FEET INCHES FEET INCHES			
	FEET INCHES FEET INCHES			

Drillers' Names \_\_\_\_\_

Remarks: NO API# ON WELL; THE LOCATION AND ACCESS ROAD NEEDS COMPLETELY RECLAIMED, PIT FILLED, BACKSLOPE SEEDED, LOCATION SEEDED, ETC.  
WELL TENDER, DENZIL PRATT, SAID THAT THIS LOCATION HAD BEEN CONTRACTED TO BE RECLAIMED.

11 MAY 1984

DATE

  
GLEN P. ROBINSON

DISTRICT WELL INSPECTOR



**RECEIVED**  
JUL 19 1984  
**RECEIVED**  
AUG 1



1) Date: 7/12, 19 84  
2) Operator's Well No. Ralph Maze #2  
3) API Well No. 47 - 085 - 5263 - P  
State County Permit

OIL & GAS DIVISION OIL STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS, DEPARTMENT OF MINES  
DEPT. OF MINES DEPT. OF MINES

**APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL**

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas XX / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_  
B (If "Gas", Production XX / Underground storage) \_\_\_\_\_ / Deep \_\_\_\_\_ Shallow \_\_\_\_\_)
- 5) LOCATION: Elevation: 945' Watershed: North Fork of Hughs River (LKH10)  
District: Grant County: Ritchie Quadrangle: Petroleum
- 6) WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION 7) DESIGNATED AGENT MICHAEL L. EDWARDS  
Address PO BOX 26, 103 EAST MAIN STREET BRIDGEPORT, WV 26330 Address PO BOX 26, 103 EAST MAIN STREET BRIDGEPORT, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name SAMUEL N. HERSMAN  
Address PO BOX 66 SMITHVILLE, WV 26178
- 9) PLUGGING CONTRACTOR Name \_\_\_\_\_ Address \_\_\_\_\_

10) WORK ORDER: The work order for the manner of plugging this well is as follows:  
Pull tubing out of hole while setting plugs as follows:

INTERVAL	VOLUME (bbl) OF FILL	CEMENT/GEL	INTERVAL	VOLUME (bbl) OF FILL	CEMENT/GEL
5677-5160	31.1	fluid in caved hole, can't reach with tubing.			
5160-4950	12.6	cement			
4950-4780	10.2	6% gel	1950-1730	13.4	cement
4780-4720	3.6	cement	1730-75	105.4	6% gel
4720-4600	7.2	6% gel	75-surface	4.8	cement
4600-4500	6.0	cement		347.7	
4500-4000	30.1	6% gel			
4000-3850	9.0	cement			
3850-3230	37.3	6% gel			
3230-3150	4.8	cement			
3150-2600	33.1	6% gel			
2600-2500	6.0	cement			
2500-1950	33.1	6% gel			

Set 30" monument after plugging.

OFFICE USE ONLY

PLUGGING PERMIT

Permit number 47-085-5263-P Date August 27, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to plug in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector 24 hours before actual permitted work has commenced.**

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires August 27, 1986 unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond: <u>116</u> <b>BLANKET</b>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>NF</u>
------------------------------------	---------------------------	--------------------------	----------------------------	----------------

Michael Lewis  
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the plugging location.

File

RECEIVED

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED PLUGGING

1) Date: \_\_\_\_\_  
 2) Operator: \_\_\_\_\_  
 3) Well No: \_\_\_\_\_  
 4) Well Type: \_\_\_\_\_  
 5) Location: \_\_\_\_\_  
 6) Well Operator: \_\_\_\_\_  
 7) Plugging Contractor: \_\_\_\_\_

OFFICE USE ONLY

This part of Form IV-4(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Follow-up inspection(s)
Application received		
Plugging started		" "
Plugging completed		" "
Well Record received		" "

OTHER INSPECTIONS

Reason: \_\_\_\_\_  
 Reason: \_\_\_\_\_

*Michael Lewis*  
 Supervisor, Office of Oil and Gas

Blanket	Blanket	Blanket	Blanket	Blanket
---------	---------	---------	---------	---------

[8-83]

RECEIVED

AUG 1 0 1984



STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS, DEPARTMENT OF MINES  
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

OIL & GAS DIVISION

DEPT. OF MINES

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

- (i) Name Eugenia Maze  
Address 1435 - 12th Street, N.E.  
Canton, Ohio 44705
- (ii) Name Marilee Reinhardt  
Address 207 W. Hill Street, P.O. 309  
Pleasant Hills, Ohio 45459
- (iii) Name Ralph D. Maze  
Address 1435 - 12th Street, N.E.  
Canton, Ohio 44705

5 (i) COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name Ralph D. Maze  
Address 1435 - 12th Street, N.E.  
Canton, Ohio 44705

Name \_\_\_\_\_  
Address \_\_\_\_\_

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application to Plug and Abandon a Well on Form IV-4(B), which sets out the parties involved in the work, and describes the well and its location and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form IV-6.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-4(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Permit to plug and abandon a well with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to the well at the location described on the attached Application and depicted on the attached Form IV-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

M. L. Edwards  
this 20th day of June, 19 84.  
My commission expires April 7, 19 92.

Alfred J. Wright  
Notary Public, Marion County,  
State of West Virginia

WELL OPERATOR Petroleum Development Corporation

By M. L. Edwards  
Its Vice-President of Exploration

Address P.O. Box 26  
Bridgeport, WV. 26330

Telephone 304/842-6256

I N S T R U C T I O N S   T O   A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1m(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and two copies of the Application must be filed with the Administrator, accompanied by (i) an original and four copies of the Notice, (ii) an original and four copies of a plat in the form prescribed by Regulation 11, and (iii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-9.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code §§ 22-4-1m and 22-4-9.



**RECEIVED**  
OCT 22 1985

DIVISION OF OIL & GAS  
**DEPT. OF ENERGY**

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

RALPH MAZE  
Coal Operator or Owner  
1435 12TH STREET, CANTON, OHIO 44702  
Address

Coal Operator or Owner  
Address

RALPH MAZE  
Lease or Property Owner  
1435 12TH STREET, CANTON, OHIO 44702  
Address

PETROLEUM DEVELOPMENT CORPORATION  
Name of Well Operator  
PO BOX 26, BRIDGEPORT, WV 26330  
Complete Address

SEPTEMBER 19 85  
WELL AND LOCATION  
GRANT District

RITCHIE County

WELL NO. RALPH MAZE #2  
MAZE Farm

STATE INSPECTOR SUPERVISING PLUGGING SAMUEL HERSMAN, PO BOX 66, SMITHVILLE, WV 26178

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of \_\_\_\_\_

ss:

JEFF STEVENS

and

JIM DONLEY

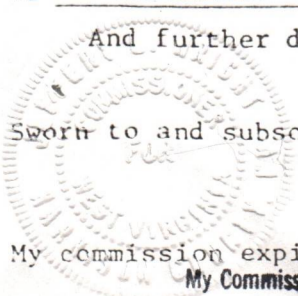
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by PETROLEUM DEVELOPMENT CORPORATION, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 20TH day of SEPTEMBER, 19 85, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
5100-4950	cement	8 5/8" 20&23#/ft.	0	1774
4950-4780	6% gel			
4780-4720	cement			
4720-4600	6% gel			
4600-4500	cement			
4500-4000	6% gel			
4000-3850	cement			
3850-3230	6% gel			
3230-3150	cement			
3150-2600	6% gel			
2600-2500	cement			
2500-1950	6% gel			
1950-1730	cement			
1730-200	6% gel			
200-50	cement			
50-10	6% gel			
10-surface Coal Seams	cement			
(Name)		Description of Monument		
(Name)		8 5/8"-30" high with 2' vent		
(Name)		Permit # & date welded on casing		
(Name)				

and that the work of plugging and filling said well was completed on the 23rd day of SEPTEMBER, 19 85.

And further deponents saith not.

Sworn to and subscribed before me this 17th day of October, 19 85.



*Jeffrey A. Stevens*  
*Jim Donley*  
*Abby J. Myler*  
Notary Public

My commission expires:  
My Commission Expires April 7, 1992

Permit No. 47-085-5263-P





INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE Shallow plug -  
ELEVATION \_\_\_\_\_  
DISTRICT GRANT  
QUADRANGLE \_\_\_\_\_  
COUNTY Ritchie

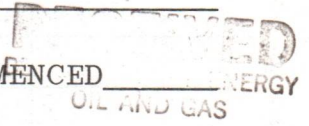
API# 47-085 - 5263-P.  
OPERATOR PETROLEUM DEVELOPMENT Corp.  
TELEPHONE \_\_\_\_\_  
FARM EUGENE MAZE  
WELL # MAZE 2-

SURFACE OWNER \_\_\_\_\_ COMMENTS \_\_\_\_\_ TELEPHONE \_\_\_\_\_

TARGET FORMATION \_\_\_\_\_ DATE APPLICATION RECEIVED \_\_\_\_\_

DATE STARTED \_\_\_\_\_

LOCATION \_\_\_\_\_ NOTIFIED \_\_\_\_\_ DRILLING COMMENCED \_\_\_\_\_



WATER DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

COAL DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

APR 30 1986

CASING

Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up

TD \_\_\_\_\_ feet on \_\_\_\_\_

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: \_\_\_\_\_ Type \_\_\_\_\_

Field analysis                      ph \_\_\_\_\_                      fe \_\_\_\_\_                      cl \_\_\_\_\_

Well Record received \_\_\_\_\_

Date Released 4-23-86

*W. J. Gunderson*  
Inspector's signature

API# 47 085-5263-P

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

*D.K. To REL* 



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 DIVISION OF OIL AND GAS  
 1615 Washington Street, East  
 Charleston, West Virginia 25311  
 Telephone: 348-3500

John Johnston  
 Director

ARCH A. MOORE, JR.  
 Governor

May 5, 1986

Petroleum Development Corporation  
 Post Office Box 26  
 Bridgeport, West Virginia 25330

In Re: Permit No: 47-085-5263-P  
 Farm: Ralph Maze  
 Well NO: 2  
 District: Grant  
 County: Ritchie  
 Issued: 8-27-84

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. ONLY the Column checked below applies:

XXXX The well designated by the above captioned permit number has been released under your Blanket Bond.

Please return the enclosed cancelled single bond which covered the well designated by the above captioned permit number to the surety company that executed said bond in your behalf, in order that they may give you credit on their records.

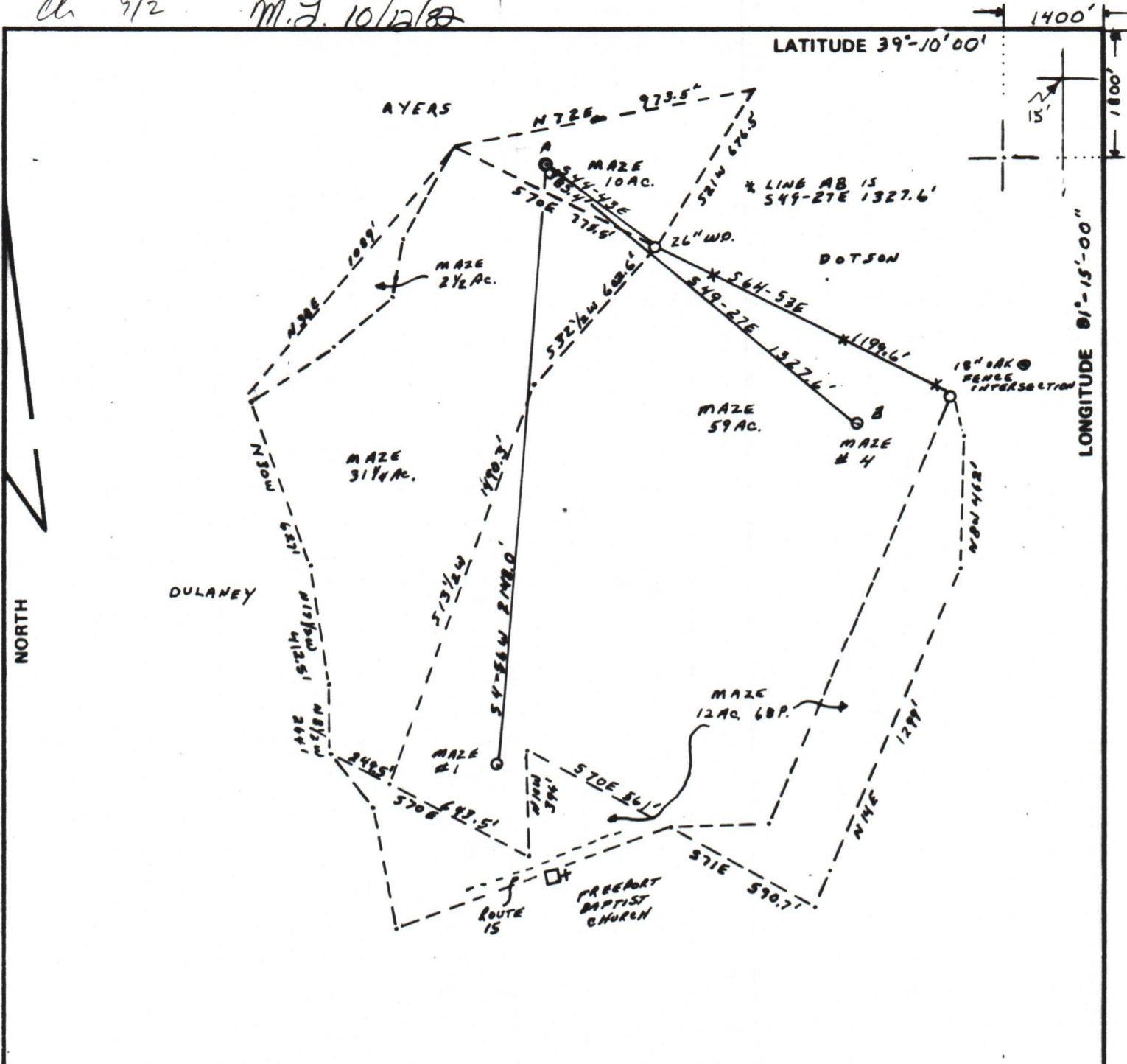
Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above captioned well will remain under bond coverage for life of the well.

Respectively,

Theodore M. Streit  
 Deputy Director--Inspection & Enforcement

TMS/ nw

cl 9/2 M.J. 10/12/81



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION BM 717 ON ROUTE 15

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Burd Johnson  
 R.P.E. 6988 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE AUGUST 27, 19 81  
 OPERATOR'S WELL NO. 2  
 API WELL NO. \_\_\_\_\_  
47 - 085 - 5263-P  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 945' WATER SHED NORTH FORK OF HUGHES RIVER  
 DISTRICT GRANT COUNTY RITCHIE  
 QUADRANGLE PETROLEUM  
 SURFACE OWNER RALPH MAZE ACREAGE 115.35  
 OIL & GAS ROYALTY OWNER RALPH MAZE LEASE ACREAGE 115.35  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON X CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5500'  
 WELL OPERATOR PETROLEUM DEV. CORP. DESIGNATED AGENT PETROLEUM DEV. CORP.  
 ADDRESS 103 E. MAIN ST. BRIDGEPORT, W.V. 26330 ADDRESS 103 E. MAIN ST. BRIDGEPORT, W.V. 26330

P.T. - 5263