

FILE COPY

**RECEIVED**  
JUL 5 1985



1) Date: \_\_\_\_\_, 19\_\_\_\_  
2) Operator's Well No. Central Coal #1  
3) API Well No. 47 033 - 3233  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION  
ENERGY  
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  Gas  B (If "Gas", Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow  )
- 5) LOCATION: Elevation: 1325 Watershed: Ann Moore Run  
District: Simpson 8 County: Harrison Quadrangle: Clarksburg 297 1/2'
- 6) WELL OPERATOR Petroleum Development Corp. 7) DESIGNATED AGENT Steven R. Williams  
Address P. O. Box 26, 103 E. Main St. Bridgeport, WV 26330 38200 Address P. O. Box 26, 103 E. Main St. Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Stephen Casey Address Rt. 2, Box 232 D Jane Lew, WV 26378
- 9) DRILLING CONTRACTOR: Name \_\_\_\_\_ Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate  / Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ / Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 5000 feet
- 13) Approximate strata depths: Fresh, 87 - 199 feet; salt, 1532 feet.
- 14) Approximate coal seam depths: 407-942-953 Is coal being mined in the area? Yes \_\_\_\_\_ / No  /

15) 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	For drilling	Left in well		
Conductor	113/4	H-40	42#	X		30			Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	J-55	20/23#	X		1175	1175	Neat c.t.s.	Depths set
Production	4 1/2	J-55	10.5#	X		5000	5000	400 sks	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-033-3233

Date July 29 1985

This permit covering the well operator and well location shown below is evidence of permission granted to drill 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, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper 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, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 29, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>MB</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>838297</u>
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*[Signature]*  
DIRECTOR, DIVISION Administrator, Office of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File





RECEIVED  
JUL 20 1987

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) LOCATION: Bismarck, W. Va. 26302  
 2) WELL OPERATOR: Bismarck Development Corp., 103 W. Main St., Bismarck, W. Va. 26302  
 3) DRILLING CONTRACTOR: Stephen Casey, Rt. 2, Box 232 D, Jane Lew, W. Va. 26378  
 4) PROPOSED WELL WORK: Drill 2 1/2" hole to 1500 feet in the formation.  
 5) GEOLOGICAL TARGET FORMATION: Berdon  
 6) APPROXIMATE DEPTH OF COMPLETION WELL: 1500 feet  
 7) APPROXIMATE TIME REQUIRED: 1-2 days  
 8) APPROXIMATE COST PER FOOT: \$100

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		July 20, 1987

OTHER INSPECTIONS

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





IV-9  
(Rev 8-81)

DATE May 15, 1985  
WELL NO. Central Coal No.1  
API NO. 47-033-3233

State of West Virginia  
Department of Mines  
Oil and Gas Division

Rec'd. (WFSCD)  
May 17 1985

CONSTRUCTION AND RECLAMATION PLAN

RECEIVED  
MAY 15 1985  
DEPT. OF MINES  
OIL & GAS DIVISION

COMPANY NAME Petroleum Development Corp. DESIGNATED AGENT Steven Williams  
Address P.O. Box 26, Bridgeport, WV 26330 Address P.O. Box 26, Bridgeport, WV 26330  
Telephone 842-6256 Telephone 842-6256  
LANDOWNER Louis Roda SOIL CONS. DISTRICT West Fork  
Revegetation to be carried out by Seeding Contractor (Agent)

This plan has been reviewed by West Fork SCD. All corrections  
and additions become a part of this plan: 5/31/85  
(Date)  
Kenneth E. Knight ON SITE REVIEW  
(SCD Agent) 5/30/85

ACCESS ROAD	LOCATION
Structure <u>Culvert with rip-rapped</u> (A) <u>15" min. I.D.</u> outlet	Structure <u>Diversion ditch</u> (1)
Spacing <u>(according to O &amp; G Manual) (at natural drains)</u>	Material <u>earth</u>
Page Ref. Manual <u>2.7</u>	Page Ref. Manual <u>2.12</u>
Structure <u>Drainage ditch</u> (B)	Structure <u>Rip-rap</u> (2)
Spacing <u>inside road cuts</u>	Material <u>stone</u>
Page Ref. Manual <u>2.12</u>	Page Ref. Manual <u>2.14</u>
Structure <u>Cross drains with rip-rapped</u> (C) outlet	Structure _____ (3)
Spacing <u>as noted on back section of this plan</u>	Material _____
Page Ref. Manual <u>2.1</u>	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

Reclaimed strip mine	REVEGETATION	Woods
<u>Treatment Area I</u>		<u>Treatment Area II</u>
**Lime <u>3</u> Tons/acre		** Lime <u>3</u> Tons/acre
or correct to pH <u>6.5</u>		or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre		Fertilizer <u>600</u> lbs/acre
(10-20-20 or equivalent)		(10-20-20 or equivalent)
Mulch <u>Hay</u> <u>2</u> Tons/acre		Mulch <u>Hay</u> <u>2</u> Tons/acre
Seed* <u>Kentucky 31</u> <u>35</u> lbs/acre		Seed* <u>Orchard grass</u> <u>12</u> lbs/acre
<u>Landino clover</u> <u>5</u> lbs/acre		<u>Landino clover</u> <u>3</u> lbs/acre
_____ lbs/acre		_____ lbs/acre

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

\*\* Lime according to pH test

PLAN PREPARED BY David L. Jackson


NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.


ADDRESS P.O. Box 969  
Buckhannon, WV 26201  
PHONE NO. 472-9369

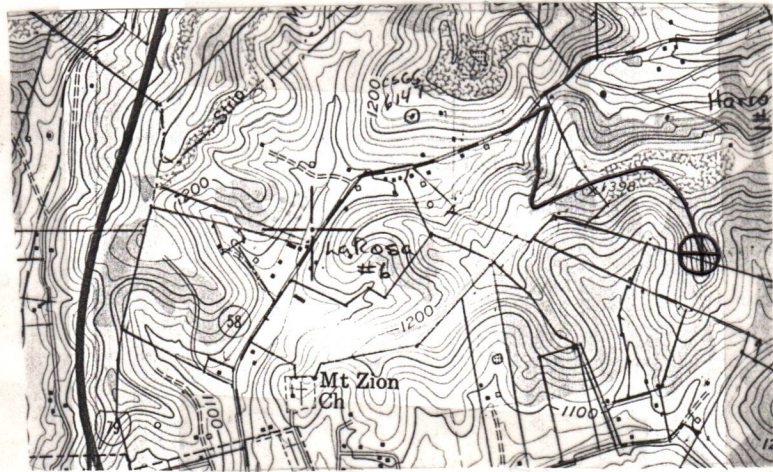


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Clarksburg 7 1/2'

**LEGEND**

Well Site 













Access Road 



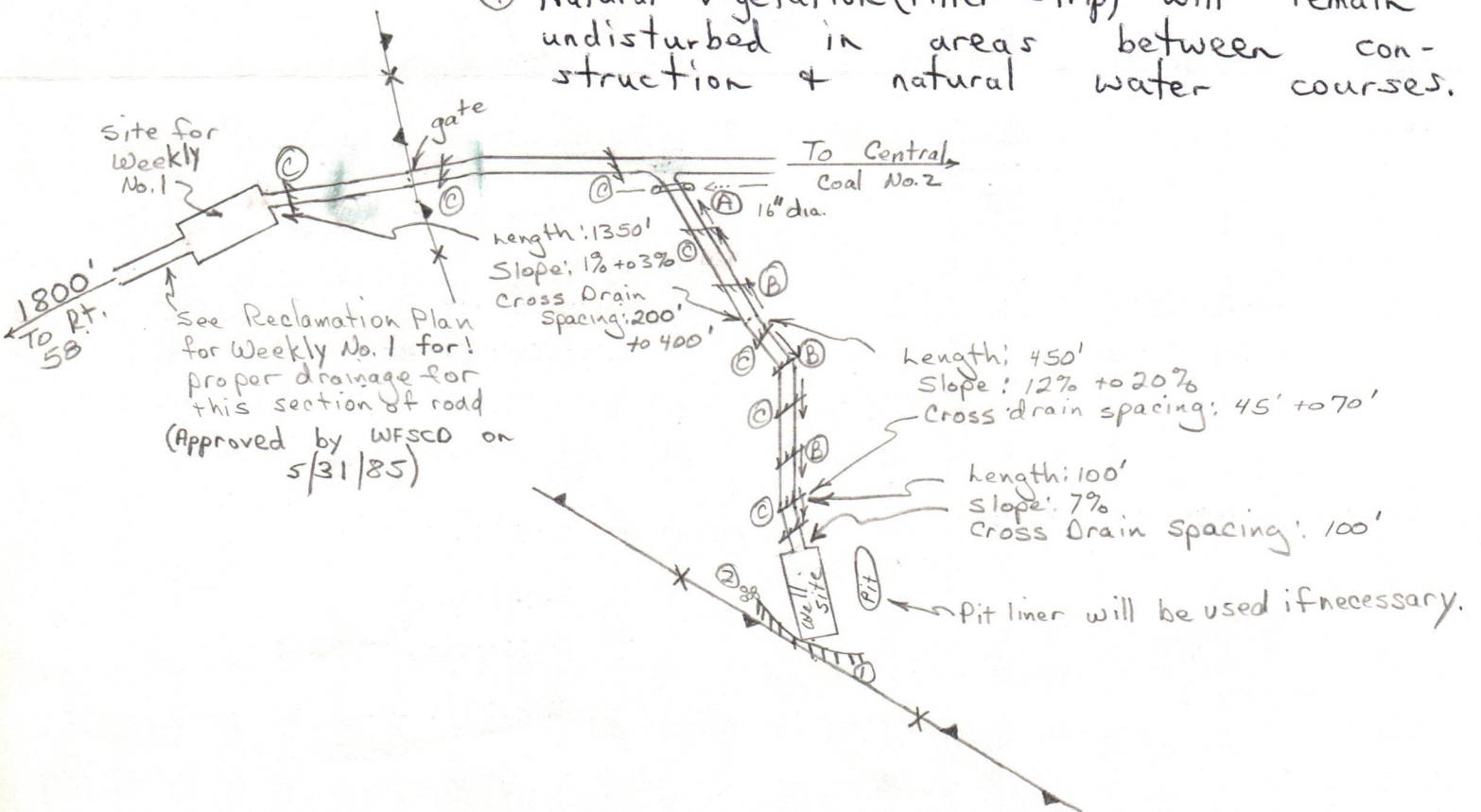
**WELL SITE PLAN**

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

**LEGEND**

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 

- ① Timber will be cut and stacked for easy access.
- ② Topsoil will be saved for reclamation work.
- ③ staked hay bales will be placed in ditch line for sediment control.
- ④ Natural vegetation (filter strip) will remain undisturbed in areas between construction & natural water courses.



Scale: 1" = 400'



Oil & Gas/coal Owners Continued:

Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	bk/pg
Elsa Joanna Hills as Trustee for James H Hill Box 338, Lumberport, WV 26386	Petroleum Deve Corp.	.03125	1146/ 476
Joseph J. Lang 332 Jones Ave, Bridgeport, WV 26330	Petroleum Deve Corp.	.008681	1146/ 10
John M. Long 33023 Kennedy North, Apt 1037 Fraser Michigan 48026	Petroleum Deve Corp.	.003472	1146/ 468
Virginia Jenkins Box 922, 5241 N. Fowlerville Rd. Fowlerville, Michigan 48836	Petroleum Deve. Corp.	.003472	1146/ 401
Nancy Pass 35663 Electra Sterling Heights, Michigan 48077	Petroleum Deve. Corp.	.003472	1146/ 472
Frank L. Welch Rt. 1, Box 41 L Bridgeport, WV 26330	Petroleum Deve. Corp.	.002821	1146/ 420
Edward Welch 2450 S. Federal Highway, Apt 9 Boynton, FL 33435	Petroleum Deve. Corp.	.002821	1146/ 420
Homer J. Welch 2520 S. Federal Highway, Apt 10 Boynton, FL 33435	Petroleum Deve. Corp.	.002821	1146/ 420
C. Robert Welch 2560 S. Federal Highway, Apt 10 Boynton, FL 33435	Petroleum Deve. Corp.	.002821	1146/ 420
Mary C. Strosnyder 341 Grand Ave Bridgeport, WV 26330	Petroleum Deve. Corp.	.000868	1146/ 10



1) Date: \_\_\_\_\_, 1985  
2) Operator's Well No. Central Coal #1  
3) API Well No. 47 033-3233  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name Mary and Louis Roda  
Address P. O. Box 1691  
Clarksburg, WV 26301

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

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

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD  
Name James Joseph LaRosa  
Address 420 Buckhannon Pike  
Clarksburg, WV 26301

Name Same as attached oil and  
Address gas owners

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 for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

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-2(B) OR FORM 4, 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 Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan 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.

RECEIVED  
JUL 5 1985

OIL & GAS DIVISION  
DEPT. OF MINES

6) EXTRACTOR RIGHTS

Check and provide one of the following:

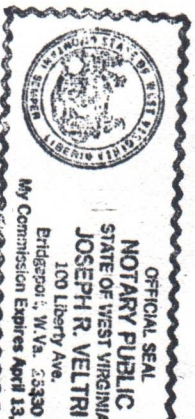
- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.



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

this 3rd day of July, 1985.  
My commission expires April 13, 1985.

WELL OPERATOR Petroleum Development Corporation  
By [Signature]  
Its President  
Address P. O. Box 26, Bridgeport, WV 26330  
Telephone 304-842-6256



INSTRUCTIONS TO APPLICANT

CONCERNING THE FILING 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 § 22-4-1b(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(1) "Coal operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(1), (11) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (1) a plat in the form prescribed by Regulation 11, (11) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (1v) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that: am the person who signed the Notice for the Applicant, and that— (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
V. Hornor Investing Company	Petroleum Deve. Corp.	.03125	1146/447
Lumberport, WV 26386			
Central Pittsburgh Coal.	Petroleum Deve. Corp.	.03125	1146/88
c/o Petrick, Bartlett & Co.			
122 N. Oak Street			
Clarksburg, WV 26301			

Continued on attached page



Return: Petroleum Development Corp. PO Box 26  
 PS Form 3800, Feb. 1982 \* U.S.G.P.O. 1983-403-517

Sent to	John M. Long
Street and No.	33023 Kennedy N. Apt 1037
P.O. State and ZIP Code	Fraser, Mich 48026
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	

Bridgeport, WV  
 26330  
 P 682 692 268  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

**RECEIVED**  
 JUL 5 1985

OIL & GAS DIVISION  
 DEPT. OF MINES

ATTN: Joe Veltin  
 P 682 692 270

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Nancy Pass
Street and No.	35663 Electra
P.O., State and ZIP Code	Stirling Heights, Mich 48077
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	PDC P.O. Box 26 Bridgeport, WV

B-part, WV  
 26330  
 P 682 692 275

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Mary C. Stronsnyder
Street and No.	341 Grand Ave
P.O., State and ZIP Code	Bridgeport, WV 26330
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	PDC P.O. Box 26 Bridgeport, WV

P 682 692 276

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	V.L. Hannon Inventing Co
Street and No.	756 Empire Bldg
P.O., State and ZIP Code	Clarksburg, WV 26301
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	PDC P.O. Box 26 Bridgeport, WV

405 251 195  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Mary & Louis Rada
Street and No.	PO Box 1691
P.O., State and ZIP Code	Clarksburg, WV 26301
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	PDC PO Box 26 Bridgeport, WV

B-part, WV  
 26330  
 P 682 692 282

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Elsa Loanna Hill
Street and No.	Box 338
P.O., State and ZIP Code	Lumberport, WV 26386
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	PDC Petroleum Deve. Corp. P. O. Box 26 Bridgeport, WV 26330

B-part, WV  
 26330  
 P 682 692 272

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Edward Welch
Street and No.	2450 S Federal Highway Apt 9
P.O., State and ZIP Code	Boynton, FL 33439
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	
Postmark or Date	PDC PO Box 26 Bridgeport, WV



Return: Petroleum Development Corp. P.O. Box 26  
 PS Form 3800, Feb. 1982 \* U.S.G.P.O. 1983-403-517

Sent to	Central Pittsburgh Coal
Street and No.	122 N Oak St
P.O., State and ZIP Code	Clarksburg, WV 26330
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	BRIDGEPORT, WV 1982

B-part WV  
 RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)  
 P 682 692 277

P 682 692 278

RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	James Joseph La Rosa
Street and No.	20 Buckhamer Pike
P.O., State and ZIP Code	Clarksburg, WV 26330
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	BRIDGEPORT, WV 1982

P 682 692 281

RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Joseph J. Lang
Street and No.	332 Jones Ave.
P.O., State and ZIP Code	Bridgeport, WV 26330
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	Petroleum Deve. Corp. P. O. Box 26 Bridgeport, WV 26330 ATTN: Joe Veltri

P 682 692 273

RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Thomas J Welch
Street and No.	2520 S Federal Hwy, Apt 10
P.O., State and ZIP Code	Boynton, FL 33435
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	BRIDGEPORT, WV 1982

P 682 692 271

RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Frank L Welch
Street and No.	Rt 1 Box 41 L
P.O., State and ZIP Code	Bridgeport, WV 26330
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	Petroleum Development Corp. P.O. Box 26 Bridgeport, WV 26330

P 682 692 274

RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	C. Robert Welch
Street and No.	2560 S Federal Hwy Apt 10
P.O., State and ZIP Code	Boynton, FL 33435
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	PDC P.O. Box 26 ATTN: Joe Veltri

P 682 692 269

RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	Virginia Jenkins
Street and No.	Box 922, 5241 N. Fowler
P.O., State and ZIP Code	Fowlerville, Mich 48836
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	Petroleum Deve. Corp. P. O. Box 26





RECEIVED  
DEC 26 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Date 12/10/85  
Operator's Well No. 1  
Farm CENTRAL PITTSBURG COAL  
API No. 47 - 033 - 3233

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil xx / Gas    / Liquid Injection    / Waste Disposal    /  
(If "Gas," Production xx / Underground Storage    / Deep    / Shallow xx /)

LOCATION: Elevation: 1325' Watershed ANN MOORE RUN  
District: SIMPSON County HARRISON Quadrangle CLARKSBURG 7 1/2'

COMPANY PETROLEUM DEVELOPMENT CORPORATION  
ADDRESS PO BOX 26, BRIDGEPORT, WV 26330  
DESIGNATED AGENT STEVEN R. WILLIAMS  
ADDRESS PO BOX 26, BRIDGEPORT, WV 26330  
SURFACE OWNER MARY AND LOUIS RODA  
ADDRESS PO BOX 1691, CLARKSBURG, WV 26301  
MINERAL RIGHTS OWNER V.L.HORNER INVESTMENT CO., ET C/O EDWARD SEIGRIST  
ADDRESS 756 EMPIRE BANK BLDG., CLARKSBURG, WV 26301  
OIL AND GAS INSPECTOR FOR THIS WORK STEPHEN CASEY  
ADDRESS RT 2, BOX 232-D, JANE LEW, WV 26378  
PERMIT ISSUED 7/29/85  
DRILLING COMMENCED 11/18/85  
DRILLING COMPLETED 11/25/85  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON   

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1171'	1171'	200 sks.
7			
5 1/2			
4 1/2	4741'	4741'	480 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION BENSON Depth 5000 feet  
Depth of completed well 4800 feet Rotary xx / Cable Tools     
Water strata depth: Fresh 152 feet; Salt    feet  
Coal seam depths:    Is coal being mined in the area?   

OPEN FLOW DATA  
Producing formation BENSON Pay zone depth 4637-4639.5 feet  
Gas: Initial open flow not taken Mcf/d Oil: Initial open flow    Bbl/d  
Final open flow 1008 Mcf/d Final open flow    Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 2060 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation    Pay zone depth    feet  
Gas: Initial open flow    Mcf/d Oil: Initial open flow    Bbl/d  
Final open flow    Mcf/d Oil: Final open flow    Bbl/d  
Time of open flow between initial and final tests    hours  
Static rock pressure    psig (surface measurement) after    hours shut in



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

PERF	ACID	80/100	20/40	NITROGEN	BBL-SLF
7(4637-39.5)	500 GAL	15,000	55,000	77,400	680

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
KB - GL			0	10	
sand, shale, RR			10	1456	1/4" stream fresh H2O @ 152
Big Lime			1456	1512	
sand, shale			1512	1531	
Keener			1531	1557	
sand, shale			1557	1561	
Big Injun			1561	1623	
sand, shale			1623	1953	gas check @ 1632' no show
Gantz			1953	1969	
sand, shale			1969	1973	
50 ft			1973	2027	
sand, shale			2027	2051	
30 ft			2051	2080	
sand, shale			2080	2118	
Gordon Stray			2118	2125	
sand, shale			2125	2277	
4th			2277	2309	gas check @ 2287' 2/10 - 2" H2O
sand, shale			2309	2336	
4th A			2336	2364	
sand, shale			2364	2473	
5th			2473	2514	
sand, shale			2514	3070	gas check @ 2566' 2/10 - 2" H2O
Upper Speechley			3070	3097	
sand, shale			3097	3124	
Speechley			3124	3189	
sand, shale			3189	3305	
Balltown			3305	3390	gas check @ 3319' 16/10 - 1" H2O
sand, shale			3390	3632	
Bradford			3632	3821	
sand, shale			3821	4252	gas check @ 3942' 12/10 - 1" H2O
Riley			4252	4330	
sand, shale			4330	4617	gas check @ 4380' 24/10 - 1" H2O
Benson			4617	4675	gas check @ 4506' 2/10 - 2" H2O
sand, shale			4675	4691	gas check @ 4691' 4/10 - 2" H2O
Cedar Creek			4691	4721	
sand, shale			4721	4800	Driller TD
				4796	Logger TD

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By: 

Date: 12/10/85

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."



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

RECEIVED  
 DEPARTMENT OF ENERGY  
 OIL AND GAS

FINAL INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

MAY 1 1986

Permit No. 33-3233 (7-29-85) County Harr.  
 Company Petroleum Devel. Co. Farm Roda  
 Inspector \_\_\_\_\_ Well No. Central Coal 1  
 Date \_\_\_\_\_

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	_____	_____
25.04	Prepared before Drilling to prevent waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	_____	_____

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

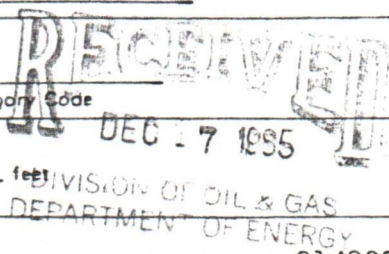
I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Steve Casey  
 DATE: 4-29-86



**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

4.0 API well number: <small>(If not assigned, leave blank. 14 digits.)</small>	<u>47-033-3233</u> -															
2.0 Type of determination being sought: <small>(Use the codes found on the front of this form.)</small>	<u>103</u> <small>Section of NGPA</small>	<u>4640</u> <small>Category Code</small>														
3.0 Depth of the deepest completion location: <small>(Only needed if sections 103 or 107 in 2.0 above.)</small>	<u>4640</u>															
4.0 Name, address and code number of applicant: <small>(35 letters per line maximum. If code number not available, leave blank.)</small>	<u>Petroleum Development Corporation</u> <small>Name</small> <u>P.O. Box 26, 103 East Main Street</u> <small>Street</small> <u>Bridgeport</u> <u>WV</u> <u>26330</u> <small>City State Zip Code</small>			<b>014902</b> <small>Seller Code</small>												
5.0 Location of this well: [Complete (a) or (b).] <small>(a) For onshore wells (35 letters maximum for field name.)</small> <small>(b) For OCS wells:</small>	<u>Unnamed</u> <small>Field Name</small> <u>Harrison</u> <u>WV</u> <small>County State</small> <hr/> <small>Area Name</small> _____ <small>Block Number</small> _____ <hr/> <small>Date of Lease:</small> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td align="center"><small>Mo.</small></td> <td align="center"><small>Day</small></td> <td align="center"><small>Yr.</small></td> <td align="center" colspan="3"><small>OCS Lease Number</small></td> </tr> </table>										<small>Mo.</small>	<small>Day</small>	<small>Yr.</small>	<small>OCS Lease Number</small>		
<small>Mo.</small>	<small>Day</small>	<small>Yr.</small>	<small>OCS Lease Number</small>													
(c) Name and identification number of this well: <small>(35 letters and digits maximum.)</small>	<u>Central Pittsburgh Coal # 1</u>															
(d) If code 4 or 5 in 2.0 above, name of the reservoir: <small>(35 letters maximum.)</small>	<u>Benson</u>															
6.0 (a) Name and code number of the purchaser: <small>(35 letters and digits maximum. If code number not available, leave blank.)</small>	<u>HOPE GAS, INC</u> <small>Name</small>															
(b) Date of the contract:	<u>Pending</u> <table style="margin-left: auto; margin-right: auto;"><tr><td style="border: 1px solid black; width: 15px; height: 15px;"></td><td style="border: 1px solid black; width: 15px; height: 15px;"></td><td style="border: 1px solid black; width: 15px; height: 15px;"></td><td style="border: 1px solid black; width: 15px; height: 15px;"></td><td style="border: 1px solid black; width: 15px; height: 15px;"></td><td style="border: 1px solid black; width: 15px; height: 15px;"></td></tr><tr><td align="center"><small>Mo.</small></td><td align="center"><small>Day</small></td><td align="center"><small>Yr.</small></td><td align="center" colspan="3"><small>Buyer Code</small></td></tr></table>										<small>Mo.</small>	<small>Day</small>	<small>Yr.</small>	<small>Buyer Code</small>		
<small>Mo.</small>	<small>Day</small>	<small>Yr.</small>	<small>Buyer Code</small>													
(c) Estimated total annual production from the well:	<u>50</u> Million Cubic Feet															
7.0 Contract price: <small>(As of filing date. Complete to 3 decimal places.)</small>	<small>S/MMBTU</small>	<u>Pending</u>	-----	-----												
8.0 Maximum lawful rate: <small>(As of filing date. Complete to 3 decimal places.)</small>	<small>S/MMBTU</small>	<u>New Well</u>	-----	-----												
9.0 Person responsible for this application:	<u>Steven R. Williams</u> <u>President</u> <small>Name Title</small>  <small>Signature</small> <u>12/13/85</u> <small>Date Application is Completed</small>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td align="center" colspan="2"><small>Agency Use Only</small></td></tr> <tr><td align="center" colspan="2">Date Received by Juris. Agency <b>DEC 17 1985</b></td></tr> <tr><td align="center" colspan="2">Date Received by FERC</td></tr> </table>	<small>Agency Use Only</small>		Date Received by Juris. Agency <b>DEC 17 1985</b>		Date Received by FERC		<u>(304) 842-6256</u> <small>Phone Number</small>									
<small>Agency Use Only</small>																
Date Received by Juris. Agency <b>DEC 17 1985</b>																
Date Received by FERC																





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

940051-71

JAN 15 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 12/13/1985

38200

AGENCY USE ONLY

Applicant's Name: Petroleum Development Corporation

WELL DETERMINATION FILE NUMBER

Address: P.O. Box 26

851217 -1030-033 -9233

Bridgeport, WV 26330

Use Above File Number on all  
Communications Relating to This Well

Gas Purchaser Contract No. \_\_\_\_\_

Date of Contract: Pending  
(Month, day and year)

First Purchaser: HOPE GAS, INC <sup>P637</sup>

Designated Agent: Steven R. Williams

Address: 445 W. MAIN

Address: P.O. Box 26

(Street or P.O. Box)

Bridgeport, WV 26330

Clarksburg WV 26301

(City) (State) (Zip Code)

FERC Seller Code 014902

FERC Buyer Code \_\_\_\_\_

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL  
BE ADDRESSED:

Name: Steven R. Williams President  
(Print) (Title)

Signature: [Signature]

Address: P.O. Box 26  
(Street or P.O. Box)

Bridgeport, WV 26330

(City) (State) (Zip Code)

Telephone: 304 842-3597  
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

- 103 New Onshore Production Well
- 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

RECEIVED  
DEC 17 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date Received



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

Date 12/13/1985  
Operator's Well No. 1  
API Well No. 47 - 033 - 3233  
State            County            Permit           

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
MGPA Section 103

DESIGNATED AGENT Petroleum Development Corporation  
ADDRESS 103 East Main Street  
Bridgeport, WV 26301

WELL OPERATOR Petroleum Development Corporation  
ADDRESS 103 East Main Street  
Bridgeport, WV 26301

LOCATION: Elevation 1325  
Watershed Ann Moore Run  
Dist. Simpson County Harrison Quad. Clarksburg

GAS PURCHASER HOPE GAS, INC  
ADDRESS 445 W. MAIN  
CLARKSBURG, WV

Gas Purchase Contract No. Pending  
Meter Chart Code             
Date of Contract           

\* \* \* \* \*

Date surface drilling was begun: 11/18/85

Indicate the bottom hole pressure of the well and explain how this was calculated:

$P_{ws} = P_{ts} (e) \frac{0.01875 GH}{zT}$

- $P_{ws}$  = Static Bottom Hole Pressure = 2805 psia
- $P_{ts}$  = Static Wellhead Pressure = 2025 psia
- Bottom Hole Temperature = 101 °F
- G = Specific Gravity of Gas = .61
- H = Well Depth to Center Perfs. = 4638
- Z = Compressibility Factor at Arithmetic Mean Temperature & Pressure = .765
- T = Arithmetic Mean Temperature 538°R

I, Steven R. Williams, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

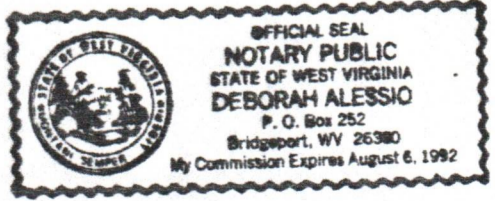
*[Signature of Steven R. Williams]*

STATE OF WEST VIRGINIA,  
COUNTY OF Harrison TO WIT:

I, Deborah Alessio, a Notary Public in and for the state and county aforesaid, do certify that Steven R. Williams whose name is signed to the writing above, bearing date the 13th day of December, 1985, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 13th day of December, 1985. My term of office expires on the 6th day of August, 1992.

*[Signature of Deborah Alessio]*  
Notary Public

[NOTARIAL SEAL]





**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	<u>47-033-3233 -</u>																			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>107</u> Section of NGPA	<u>Y</u> Category Code																		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>4640</u> feet																			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>Petroleum Development Corporation</u> Name		<u>014902</u> Seller Code																	
	<u>P.O. Box 26, 103 East Main Street</u> Street																			
	<u>Bridgeport</u> City	<u>WV</u> State	<u>26330</u> Zip Code																	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>Unnamed</u> Field Name																			
	<u>Harrison</u> County		<u>WV</u> State																	
(b) For OCS wells:	Area Name _____ Block Number _____																			
	Date of Lease: <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> </tr> <tr> <td align="center">Mo.</td> <td align="center">Day</td> <td align="center">Yr.</td> <td colspan="5"></td> </tr> </table>												Mo.	Day	Yr.					
Mo.	Day	Yr.																		
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>CENTRAL PITTSBURGH COAL #1</u>																			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>BENSON</u>																			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>HOPE GAS, INC.</u> Name																			
(b) Date of the contract:	<u>Pending</u> <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> <td style="width: 15px; height: 15px;"></td> </tr> <tr> <td align="center">Mo.</td> <td align="center">Day</td> <td align="center">Yr.</td> <td colspan="5"></td> </tr> </table>												Mo.	Day	Yr.					
Mo.	Day	Yr.																		
(c) Estimated total annual production from the well:	<u>50</u> Million Cubic Feet																			
	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)																
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>Pending</u>	-----	-----																
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>New Well</u>	-----	-----																
9.0 Person responsible for this application:	<u>Steven R. Williams</u> Name																			
	<u>Str R. Williams</u> Signature			<u>President</u> Title																
	<u>12/13/85</u> Date Application is Completed			<u>(304) 842-6256</u> Phone Number																

DEC 7 1985  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Agency Use Only
Date Received by Juris. Agency <u>DEC 17 1985</u>
Date Received by FERC



940051-71

JAN 15 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 12/13, 1985 38200

AGENCY USE ONLY

Applicant's Name: Petroleum Development Corporation

WELL DETERMINATION FILE NUMBER

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

851217 -1076-033 - 3233

Gas Purchaser Contract No. \_\_\_\_\_

Use Above File Number on all  
Communications Relating to This Well

Date of Contract: Pending  
(Month, day and year)

First Purchaser: HOPE GAS, INC P637

Designated Agent: Steven R. Williams

Address: 445 W. MAIN  
(Street or P.O. Box)  
Clarksburg WV 26301  
(City) (State) (Zip Code)

Address: \_\_\_\_\_  
P.O. Box 26  
Bridgeport, WV 26330

FERC Seller Code 014902

FERC Buyer Code \_\_\_\_\_

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL  
BE ADDRESSED:

Name: Steven R. Williams President  
(Print) (Title)

Signature: [Signature]

Address: P.O. Box 26  
(Street or P.O. Box)  
Bridgeport, WV 26330  
(City) (State) (Zip Code)

Telephone: (304) 842-3597  
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
- 108- Stripper Well
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- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

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- 103 New Onshore Production Well

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- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressed Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- X 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

Clarksburg  
OK  
**QUALIFIED**

RECEIVED  
DEC 17 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date Received \_\_\_\_\_



WELL CLASSIFICATION FORM

HIGH-COST GAS - NEW TIGHT FORMATION

NEPA SECTION 107

WELL OPERATOR Petroleum Development Corp.  
Address 103 East Main St., P.O. Box 26  
Bridgeport, WV 26330

Designated Agent Petroleum Development Corp.  
Address 103 East Main St., P.O. Box 26  
Bridgeport, WV 26330

Gas Purchaser HOPE GAS, INC  
Address 445 W Main  
Clarksburg

Location: Elevation \_\_\_\_\_  
Watershed \_\_\_\_\_ Quad. \_\_\_\_\_  
District \_\_\_\_\_ County \_\_\_\_\_  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

Date surface drilling began 11/18/85

Indicate the bottom hole pressure of well and explain how this was calculated:

$$\frac{0.01875 \text{ GH}}{zT} P_{ws} = P_{ts(e)}$$

- $P_{ws}$  = Static Bottom Hole Pressure = 2305 psia
- $P_{ts}$  = Static Wellhead Pressure = 2025 psia
- Bottom Hole Temperature = 101 °F
- G = Specific Gravity of Gas = .61
- H = Well Depth to Center Perfs = 4638
- $zT$  = Compressibility Factor at Arithmetic Mean Temperature & Pressure = .765
- T = Arithmetic Mean Temperature = 538°

I, STEVEN R. WILLIAMS, having been first sworn according to law, state that surface drilling for the well for which this determination is sought was begun on or after July 16, 1979, the gas is being produced from a designated tight formation and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

*Steven R. Williams*

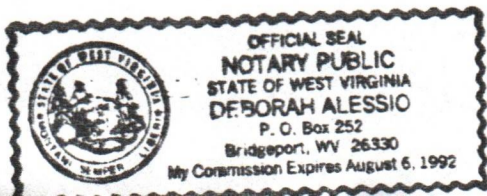
STATE OF WEST VIRGINIA

COUNTY OF HARRISON, TO-WIT:

I, DEBORAH ALESSIO, a Notary Public in and for the state and county aforesaid, do certify that Steven R. Williams whose name is signed to the writing above, has acknowledged the same before me, in the county aforesaid.

Given under my hand this 13th day of December, 1985.

My commission expires: AUGUST 6, 1992

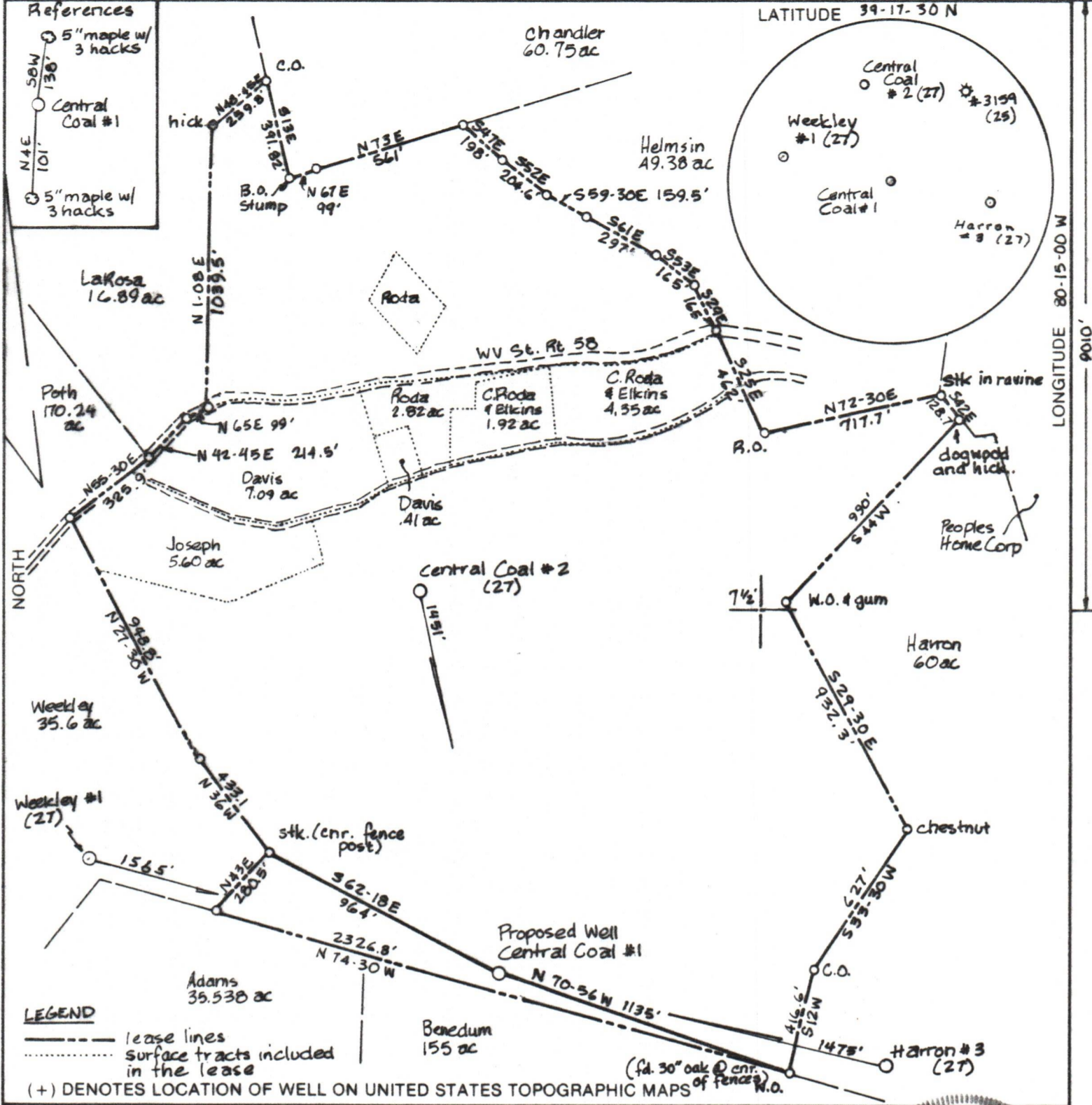


*Deborah Alessio*  
Notary Public



7-23-85

1580' LATITUDE 39-17-30 N



FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Hilltop 4900' NW of location, elev. 1554'

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) David L. Jackson  
 R.P.E. \_\_\_\_\_ I.L.S. 708

DAVID L. JACKSON  
 LICENSED  
 1908  
 STATE OF WEST VIRGINIA  
 LAND SURVEYOR  
 PLACE SEAL HERE

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

DATE July 3, 1985  
 OPERATOR'S WELL NO. Central Coal #1  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1325' WATER SHED Anne Moore Run  
 DISTRICT Simpson COUNTY Harrison  
 QUADRANGLE Clarksburg 7 1/2'

SURFACE OWNER Louis & Mary Roda ACREAGE 107.89  
 OIL & GAS ROYALTY OWNER Central Pittsburgh Coal et al LEASE ACREAGE 130  
 LEASE NO. 381001

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Benson ESTIMATED DEPTH 5000'  
 WELL OPERATOR Petroleum Development Corporation DESIGNATED AGENT Steven Williams  
 ADDRESS P.O. Box 26; Clarksburg, WV 26330 ADDRESS P.O. Box 26; Clarksburg, WV 26330

FORM IV-6 (8-78)

COUNTY NAME PERMIT