



1) Date: _____, 19____
 2) Operator's
 Well No. CHARLEY WACOWSKI #3
 3) API Well No. 47 - 033 - 3063
 State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil XX / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1220' Watershed: Simpson Creek (MW 15)
38200 District: 3 Coal - Simpson County: Harrison Quadrangle: Clarksburg 7 1/2' 297
- 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 STEPHEN CASEY
 Address RT 2, BOX 232-D JANE LEW, WV 26378
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate XX /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, BENSON
- 12) Estimated depth of completed well, 5300 feet
- 13) Approximate strata depths: Fresh, 30; 660 feet; salt, 1500 feet.
- 14) Approximate coal seam depths: 425; 480 Is coal being mined in the area? Yes _____ / No XX /

RECEIVED
 JUL 23 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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	1 3/4	H-40	42#	x		30'			Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 5/8	J-55	20/23	x		1300'	1300'	cement to surface by rule 15.05 400 sks or as req. by rule 15.01	Depths set	
Production	4 1/2	J-55	10.5#	x		5300'	5300'		Perforations:	
Tubing									Top Bottom	
Liners										

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-3063 Date July 30, 19 84

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 30, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u> <u>116</u>	Agent: <u>[Signature]</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>833-821</u>
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Margaret J. Haas
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) Well No. _____ Date _____

2) LOCATION: Location _____ Elevation _____

3) WELL OPERATOR (NAME OF COMPANY) DESIGNATED AGENT (NAME AND ADDRESS) _____

4) DRILLING CONTRACTOR: Name _____ Address _____

5) OIL & GAS INSPECTOR TO BE NOTIFIED: Name _____ Address _____

6) PROPOSED WELL WORK: Drill _____ Depth _____

7) GEOLOGICAL TARGET FORMATION: _____

8) Estimated depth of completed well _____

9) Approximate total depth _____

10) Approximate coal seam depth _____

11) CASING AND TUBING PROGRAM: _____

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		

OTHER INSPECTIONS

Reason: _____

Reason: _____

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 Charley Wacowski
Address 607 East Pike Street
Clarksburg, WV 26301
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Fresa Construction Company
Address P. O. Box 187
Bridgeport, WV 26330
Name Charley Wacowski
Address 607 East Pike Street
Clarksburg, WV 26301
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.

6) EXTRACTION 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

WELL OPERATOR Petroleum Development Corporation
By M. E. Edwards
Its Vice-President of Exploration
Address P. O. Box 26
Bridgeport, WV 26330
Telephone 304/842-6256

M. E. Edwards
this 20 day of July, 1984.
My commission expires April 7, 1992
Abbey L. Wright
Notary Public, Harman County,
State of West Virginia

RECEIVED
JUL 23 1984
OIL & GAS DIVISION
DEPT. OF MINES

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 § 22-4-1b(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(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.
- 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 (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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) 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 I 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





1) Date: _____, 19____
 2) Operator's Well No. CHARLEY WACOWSKI #3
 3) API Well No. 47
 State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1220' Watershed: Simpson Creek
 District: Coal - Simpson County: Harrison Quadrangle: Clarksburg 7 1/2'
- 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 STEPHEN CASEY Address RT 2, BOX 232-D JANE LEW, WV 26378
 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill XX / 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, 30; 660 feet; salt, 1500 feet.
 14) Approximate coal seam depths: 425; 480 Is coal being mined in the area? Yes _____

RECEIVED
 JUL 23 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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		Kinds	Bottom
Conductor	<u>11 3/4</u>	<u>H-40</u>	<u>42#</u>	<u>x</u>		<u>30'</u>				
Fresh water										
Coal										
Intermediate	<u>8 5/8</u>	<u>J-55</u>	<u>20/23</u>	<u>x</u>		<u>1300'</u>	<u>1300'</u>	<u>cement to surface</u>		
Production	<u>6 1/2</u>	<u>J-55</u>	<u>10.5#</u>	<u>x</u>		<u>5300'</u>	<u>6300'</u>	<u>400 sbs</u>		
Tubing										
Liners										

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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.

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 the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner _____ / 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: _____, 19____

By Fusa Court. Co.
M. R. Fusa
 Its Charley A. Wacowski

Coal Owner



1) Date: _____, 19____
 2) Operator's Well No. CHARLEY WACOWSKI #3065
 3) API Well No. 47
 State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1220' Watershed: Simpson Creek
 District: Coal - Simpson County: Harrison Quadrangle: Clarksburg 7 1/2'
- 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 STEPHEN CASEY Address RT 2, BOX 232-D JANE LEW, WV 26378
 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill XX / 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, 5800 feet
 13) Approximate strata depths: Fresh, 30: 660 feet; salt, 1500 feet.
 14) Approximate coal seam depths: 425: 480 Is coal being mined in the area? Yes _____
- 15) CASING AND TUBING PROGRAM

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 JUL 23 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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	<u>1 3/4</u>	<u>H-40</u>	<u>42#</u>	<u>x</u>		<u>30'</u>				Kinds
Fresh water										Sizes
Coal										Depths set
Intermediate	<u>5/8</u>	<u>J-55</u>	<u>20/23</u>	<u>x</u>		<u>1300'</u>	<u>1300'</u>	<u>cement to surface</u>		
Production	<u>1/2</u>	<u>J-55</u>	<u>10.5#</u>	<u>x</u>		<u>5300'</u>	<u>5300'</u>	<u>400 aka</u>		
Tubing										Perforations:
Liners										Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.
 I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)
 NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)
Charley A Wacowski Date: _____
 (Signature)
 _____ Date: July 19, 1984
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



DATE June 25, 1984
WELL NO. Wacowski #3
API NO. 47-033-3063

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Corp. DESIGNATED AGENT Mike Edwards

Address P.O. Box 26, Bridgeport, WV 26330 Telephone 842-6256
Address P.O. Box 26, Bridgeport, WV 26330 Telephone 842-6256

LANDOWNER Charley Wacowski

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:

7/16/84

(Date)

Kenneth E. Knight
(SCD Agent)

LOCATION

ACCESS ROAD

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

Structure Drainage ditch

Structure Diversion ditch (1)

Spacing Inside road cuts

Material earth

Page Ref. Manual 2.12

Structure Culvert (15" min. I.D.) (B)

Structure Rip-rap

Spacing According to Oil & Gas Manual with ripped outlet

Page Ref. Manual 2-4

Structure Cross Drains (C)

Spacing 18-20% - 45' apart, 6% - 125' apart with ripped outlet

Page Ref. Manual 2-4

Structure Sediment Barrier

Material Hay or straw bales (0)

Structure

Material Pg. Ref. Man. woods 2-16

Structure

Material Treatment Area I

* Lime 3 Tons/acre or correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 600 lbs/acre

Mulch Hay 2 Tons/acre

* Orchard grass 12 lbs/acre

Ladino clover 3 lbs/acre

* Lime according to pH test.

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

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

PLAN PREPARED BY David Jackson

ADDRESS P.O. Box 969

Buckhannon, WV 26201

PHONE NO. 472-9369

* Lime 3 Tons/acre or correct to pH 6.5
Fertilizer (10-20-20 or equivalent) 600 lbs/acre
Mulch Hay 2 Tons/acre
* Orchard grass 12 lbs/acre
Ladino clover 3 lbs/acre

Treatment Area II woods

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.

REVEGETATION

OIL & GAS DIVISION DEPT. OF MINES (3)

RECEIVED JUL 23 1984 (2)

ON SITE REVIEW 7/12/84

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

Gelled H2O frac w/N2 assist: perforated Benson with 13 shots (4714'-18')
Used 15000# of 80/100 sand; 40,000# of 20/40 sand, 76,000 SCF of N2, and 500 gallons of 15% acid.

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	1" stream H2O @ 165'
sand, shale, redrock			10	1647	1½" stream H2O @ 250'
big lime			1647	1733	coal @ 302'
keener			1733	1753	coal @ 600'
big injun			1753	1823	gas check @ 1815'; no show
sand, shale			1823	2164	
gantz			2164	2204	
sand, shale			2204	2214	
50 foot			2214	2266	
sand, shale			2266	2302	
30 foot			2302	2334	
sand, shale			2334	2349	
gordon stray			2349	2370	
sand, shale			2370	2397	gas check @ 2381'; no show
gordon			2397	2420	
sand, shale			2420	2460	
4th sand			2460	2495	
sand, shale			2495	2534	
5th sand			2534	2580	
sand, shale			2580	2671	gas check @ 2598'; no show
lower 5th			2671	2709	
sand, shale			2709	3313	gas check @ 2724'; 8/10 thru 2"w/H2O
speechly			3313	3446	gas check @ 2911'; 4/10 thru 2"w/H2O
sand, shale			3446	3494	gas check @ 3381'; 12/10 thru 2"w/H2O
balltown			3494	3692	
sand, shale			3692	3888	
bradford			3888	4011	
sand, shale			4011	4376	
riley			4376	4594	gas check @ 4377'; 10/10 thru 1"w/H2O
sand, shale			4594	4710	
benson			4710	4748	gas check @ 4748'; 10/10 thru 2"w/H2O
sand, shale			4748	4870 TD	driller
				4872 TD	logger

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By: John R. Win

Date: 10/24/85

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."

IV-35
(Rev 8-81)

RECEIVED
OCT 3 1 1984



OIL & GAS DIVISION
DEPT. OF MINES
State of West Virginia
Department of Mines
Oil and Gas Division

Date _____
Operator's _____ #3
Well No. _____
Farm Charley Wacowski
API No. 47 - 033 - 3063

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1220' Watershed Simpson Creek
District: Coal-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 Charley Wacowski, 607 E. Pike St.
ADDRESS Clarksburg, WV 26301
MINERAL RIGHTS OWNER Charley Wacowski et. al.,
ADDRESS 607 E. Pike St., Clarksburg, WV 26301
OIL AND GAS INSPECTOR FOR THIS WORK Stephen
Casey ADDRESS Jane Lew, WV 26378
PERMIT ISSUED July 30, 1984
DRILLING COMMENCED September 5, 1984
DRILLING COMPLETED September 9, 1984
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"	30'	30'	cement to surface
9 5/8			
8 5/8	1327'	1327'	300 sks
7			
5 1/2			
4 1/2	4844'	4844'	385 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet
Depth of completed well 4870 feet Rotary xx / Cable Tools _____
Water strata depth: Fresh 165; 250 feet; Salt n/a feet
Coal seam depths: 302; 600 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4714 -18 feet
Gas: Initial open flow 103 Mcf/d Oil: Initial open flow n/a Bbl/d
Final open flow 660 Mcf/d Final open flow n/a Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 1750 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

(Continue on reverse side)

HARR 3063

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

RECEIVED
SEP 7 - 1984

OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-3063

Oil or Gas Well _____
(KIND)

Company <u>Petro. Dev. Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>C Wacowski</u>	16			Kind of Packer _____
Well No. <u>3</u>	13			
District <u>Coal-Simpson</u> County <u>Hann.</u>	10			Size of _____
Drilling commenced <u>9-4-84</u>	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 3/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water <u>165</u> feet <u>250</u> feet	COAL WAS ENCOUNTERED AT <u>302</u> FEET <u>36</u> INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			

Drillers' Names UDI 5

Remarks: dr. at 478'

9-5-84
DATE

Steve Case
DISTRICT WELL INSPECTOR



RECEIVED
JUL 16 1985

State of West Virginia OIL & GAS DIVISION
Department of Mines DEPT. OF MINES
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
November 19, 1984

COMPANY Petroleum Development Corp.
P. O. Box 26
Bridgeport, West Virginia 26330

PERMIT NO 033-3063 (7-30-84)
FARM & WELL NO Charley Wacowski #3
DIST. & COUNTY Coal/Simpson/Harrison

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 Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Steve Casaj
DATE 7-15-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...
Administrator-Oil & Gas Division

August 1, 1985
DATE

