



1) Date: March 13, 19 84  
 2) Operator's Well No. #38  
 3) API Well No. 47 - 033 - 3020  
 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  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /)
- 5) LOCATION: Elevation: 1198 Watershed: Davisson Run  
 District: Clark County: Harrison Quadrangle: Wolf Summit-7½
- 6) WELL OPERATOR Petroleum Development Corp. 7) DESIGNATED AGENT Michael L. Edwards  
 Address P. O. Box 26, 103 East Main St. Address p. O. Box 26, 103 East Main St.  
Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Stephen Casey Name \_\_\_\_\_  
 Address Rt. 2, Box 232-D Address \_\_\_\_\_  
Jane Lew, WV 26378
- 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 trata depths: Fresh, 80;720 feet; salt, 970 feet.
- 14) Approximate coal seam depths: 90;720 Is coal being mined in the area? Yes \_\_\_\_\_ / No  /

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 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		Sizes	Depths set
Conductor	11-3/4	H-40	22	X		30'	30'	Cement to surface		
Fresh water										
Coal										
Intermediate	8-5/8	J-55	20/23	X		900'	900'	Cement to surface	NEAT	
Production	4-1/2	J-55	10.5	X		5000'	5000'	400 sks.		
Tubing										
Liners										

**OR AS REQ BY RULE 15.01**

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-033-3020

April 17, 1984  
 Date

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 April 17, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

BOND	Agent: <u>LD</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>832-382</u>
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*[Signature]*  
 Administrator, Office of Oil and Gas

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

File

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





1) Date: March 13, 19 84  
 2) Operator's Well No. #38  
 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 X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_)
- 5) LOCATION: Elevation: 1198 Watershed: Davison Run  
 District: Clark County: Harrison Quadrangle: Wolf Summit-74
- 6) WELL OPERATOR Petroleum Development Corp. 7) DESIGNATED AGENT Michael L. Edwards  
 Address P. O. Box 26, 103 East Main St. Address P. O. Box 26, 103 East Main St.  
Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Stephen Casey Name \_\_\_\_\_  
 Address Rt. 2, Box 232-D Address \_\_\_\_\_  
Jane Lew, WV 26378
- 10) PROPOSED WELL WORK: Drill X / 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 trata depths: Fresh, 80; 720 feet; salt, 970 feet.  
 14) Approximate coal seam depths: 90; 720 Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

**RECEIVED**  
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 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		Kind	Bottom
Conductor	<u>11-3/4</u>	<u>H-40</u>	<u>22</u>	<u>X</u>		<u>30'</u>	<u>30'</u>	<u>Cement to surface</u>		
Fresh water									Sizes	
Coal									Depths set	
Intermediate	<u>8-5/8</u>	<u>J-55</u>	<u>20/23</u>	<u>X</u>		<u>900'</u>	<u>900'</u>	<u>Cement to surface</u>		
Production	<u>4-1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5000'</u>	<u>5000'</u>	<u>400 sbs.</u>		
Tubing									Perforations:	
Liners									Top	Bottom

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: March 24, 19 84

By Laura Jeff Davis  
Diana Jeff Cather

Its \_\_\_\_\_



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
Diana Goff Cather	Petroleum Development Corp.	.0625	1007/714
Laura Goff Davis	Petroleum Development Corp.	.0625	1007/714

012 2050

1) Date: March 13, 1984  
 2) Operator's Well No. #38  
 3) API Well No. 47-033-3020 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

5(1) COAL OPERATOR  
 Address \_\_\_\_\_

5(11) COAL OWNER(S) WITH DECLARATION ON RECORD  
 Name Diana Goff Cather  
 Address 163 East Main Street  
 Name Laura Goff Davis  
 Address P.O. Box 707  
 Name Clarksburg, West Virginia 26301

5(11) COAL LESSER WITH DECLARATION ON RECORD:  
 Name Laura Goff Davis  
 Address P.O. Box 707  
 Name Clarksburg, West Virginia 26301

(1) Name Diana Goff Cather  
 Address 163 East Main Street  
 Name Clarksburg, West Virginia 26301  
 Address P.O. Box 707  
 Name Clarksburg, West Virginia 26301

(11) Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Name Clarksburg, West Virginia 26301  
 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 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 as the lease or leases or other containing 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.)

ROYALTY PROVISIONS  
 Is the right to extract, produce or market the oil or gas based upon a lease or leases 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

M.L. Edwards

This is day of March, 1984.  
 My commission expires April 2, 1992.

Notary Public, West Virginia County,  
Clarksburg

By \_\_\_\_\_  
 Its Vice-President of Exploration

Address P.O. Box 26

Bridgeport, West Virginia 26330  
 Telephone 304/842-6256

WELL OPERATOR  
M. Edwards  
 Petroleum Development Corporation

OIL & GAS DIVISION  
 DEPT. OF MINES

APR 4 - 1984  
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**SURFACE OWNER'S COPY**



1) Date: March 13, 19 84  
 2) Operator's Well No. #38  
 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 X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 1198 Watershed: Davison Run  
 District: Clark County: Harrison Quadrangle: Wolf Summit-7 1/2
- 6) WELL OPERATOR Petroleum Development Corp.  
 Address P. O. Box 26, 103 East Main St. Bridgeport, WV 26330
- 7) DESIGNATED AGENT Michael L. Edwards  
 Address P. O. Box 26, 103 East 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 X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Benson  
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**RECEIVED**  
 APR 4 - 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		Kind	Size
Conductor	<u>1-3/4</u>	<u>H-40</u>	<u>22</u>	<u>X</u>		<u>30'</u>	<u>30'</u>	<u>Cement to surface</u>		
Fresh water								<u>033-3020</u>		
Coal									Sizes	
Intermediate	<u>3-5/8</u>	<u>J-55</u>	<u>20/23</u>	<u>X</u>		<u>900'</u>	<u>900'</u>	<u>Cement to surface</u>		<u>NEAT</u>
Production	<u>4-1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5000'</u>	<u>5000'</u>	<u>400 sks.</u>	Depths set	
Tubing										<u>OR AS BY 540 13.01</u>
Liners									Perforations:	
									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)

Laura E. Davis Date: 3/24/84  
 (Signature)  
Diana Jeff Carter Date: 3/29/84  
 (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 MARCH 15, 1984

WELL NO. 38

State of West Virginia API NO. 47-033-3020

Department of Mines  
Oil and Gas Division

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.

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME PETROLEUM DEVELOPMENT  
Address P.O. 26 BRIDGEPORT W.VA.  
Telephone 304-842-6256

DESIGNATED AGENT MIKE EDWARDS  
Address P.O. 26 BRIDGEPORT W.VA.  
Telephone 304-842-6256

LANDOWNER NATHAN GOFF III ESTATE  
Revegetation to be carried out by SEEDING CONTRACTOR (Agent)

SOIL CONS. DISTRICT WEST FORK

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 3/28/84 (Date)  
Struc: Sediment Barrier (D) Kenneth E. Knight ON SITE REVIEW  
Matl: HAY BALES (SCD Agent) 3/26/84  
PG. 2.16

ACCESS ROAD

LOCATION

Structure DRAIN PIPE (A) (according to Oil & Gas Manual) at natural drains  
Spacing (MIN. 18" I.D.)  
Page Ref. Manual 2.7

Structure DIVERSION DITCH (1)  
Material EARTHEN  
Page Ref. Manual 2.12 APR 4 - 1984

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OIL & GAS DIVISION  
DEPT. OF MINES

Structure DRAINAGE DITCH (B)  
Spacing INSIDE ROAD CUTS  
Page Ref. Manual 2.12

Structure RIP-RAP (2)  
Material STONE  
Page Ref. Manual 2.14

Structure CROSS DRAINS (C)  
Spacing 60'-120' APART  
Page Ref. Manual 2.1

Structure FILTER STRIP (3)  
Material UNDISTURBED NATURAL VEGETATION  
Page Ref. Manual 2.16

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

WOODS

RE-CLAIMED STRIP MINE

Treatment Area I

Treatment Area II

\* Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch HAY 2 Tons/acre  
Seed\* ORCHARD GRASS 12 lbs/acre  
LADINO CLOVER 3 lbs/acre

\* Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch HAY 2 Tons/acre  
Seed\* KENTUCKY 31 35 lbs/acre  
LADINO CLOVER 5 lbs/acre

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

CLIME ACCORDING TO pH TEST

PLAN PREPARED BY PAUL G. DEAN II

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

ADDRESS P.O. 26  
BRIDGEPORT W.VA.  
PHONE NO. 304-842-6256



RECEIVED  
JAN 7 - 1985

IV-35  
(Rev 8-81)

OIL & GAS DIVISION  
DEPT. OF MINES



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date December 27, 1984  
Operator's  
Well No. #38  
Farm Nathan Goff  
API No. 47 - 033 - 3020

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

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

LOCATION: Elevation: 1198 Watershed Davisonn Run  
District: Clark County Harrison Quadrangle Wolf Summit

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 Nathan Goff III Estate et al

ADDRESS 163 East Main St. Clarksburg, WV

MINERAL RIGHTS OWNER Diana Cather & Laura Davis

ADDRESS 163 East Main Str. Clarksburg, WV

OIL AND GAS INSPECTOR FOR THIS WORKS. Casey

ADDRESS Rt. 2, Box 232-D Jane Lew, WV

PERMIT ISSUED 3/13/84

DRILLING COMMENCED 12/6/84

DRILLING COMPLETED 12/11/84

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON 12/11/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	28'	28'	
9 5/8			
8 5/8	1074	1074	270 SKS
7			
5 1/2			
4 1/2	3509	3509	400SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet

Depth of completed well 4578 feet Rotary XX / Cable Tools

Water strata depth: Fresh 50 feet; Salt NA feet

Coal seam depths: None Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Balltown Pay zone depth 3298-3300 / 3318-3322 feet

Gas: Initial open flow Not Taken Mcf/d Oil: Initial open flow            Bbl/d

Final open flow 381 Mcf/d Final open flow            Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 500 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation Speechley Pay zone depth 3001-3003 / 3090-3091 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 - 3020

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

RECEIVED

DEC 12 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-3020

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

Company Petro. Serv.  
 Address \_\_\_\_\_  
 Farm D Giff Cather  
 Well No. 38  
 District Clark County Harv.  
 Drilling commenced 12-7-84  
 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			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 1/2			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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 CPI II

Remarks:

12-7-84  
DATE

Steve Cassey  
DISTRICT WELL INSPECTOR



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

RECEIVED  
DEC 13 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-3020

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

Company PDC

Address \_\_\_\_\_

Farm Cather

Well No. 38

District Clark County Harr.

Drilling commenced 12-7-84

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 50 feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 3 5/8 SIZE 1074' No. FT. 270 Date \_\_\_\_\_

NAME OF SERVICE COMPANY BJH

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

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

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

Drillers' Names UDI II

Remarks: sh. at 3579'

12-10-84  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR



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

RECEIVED  
DEC 17 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 33-3020

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

Company Petro. Serv. Co.

Address \_\_\_\_\_

Farm Cather

Well No. 38

District \_\_\_\_\_ County Harr.

Drilling commenced 12-7-84

Drilling completed 12-12 Total depth 4577

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			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 1/2			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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 CPI 11

Remarks: plugged back  
4 1/2 3500' 400 S.B. BJH

12-12-84  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR



IV-20  
Obverse  
1-84

17-Jan-85

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OFFICE OF OIL AND GAS  
CHARLESTON 25305  
FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

**RECEIVED**  
JUL 16 1985

Company: PETROLEUM DEVE CORP  
Farm: NATHAN GOFF GOFF #38 Well:

Permit No. 47- 33-3020 (4-17-84)  
County: HARRISON  
OIL & GAS DIVISION  
DEPT. OF MINES

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepped before drilling to prevent waste	-----	-----
25.03	High pressure drilling	-----	-----
16.01	Required permits at wellsite	-----	-----
15.03	Adequate Fresh Water Casings	-----	-----
15.02	Adequate Coal Casings	-----	-----
15.01	Adequate Production Casings	-----	-----
15.04	Adequate Cement Strength	-----	-----
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	-----	-----
.02	Well Records Filed	-----	-----
7.05	Identification Markings	-----	-----

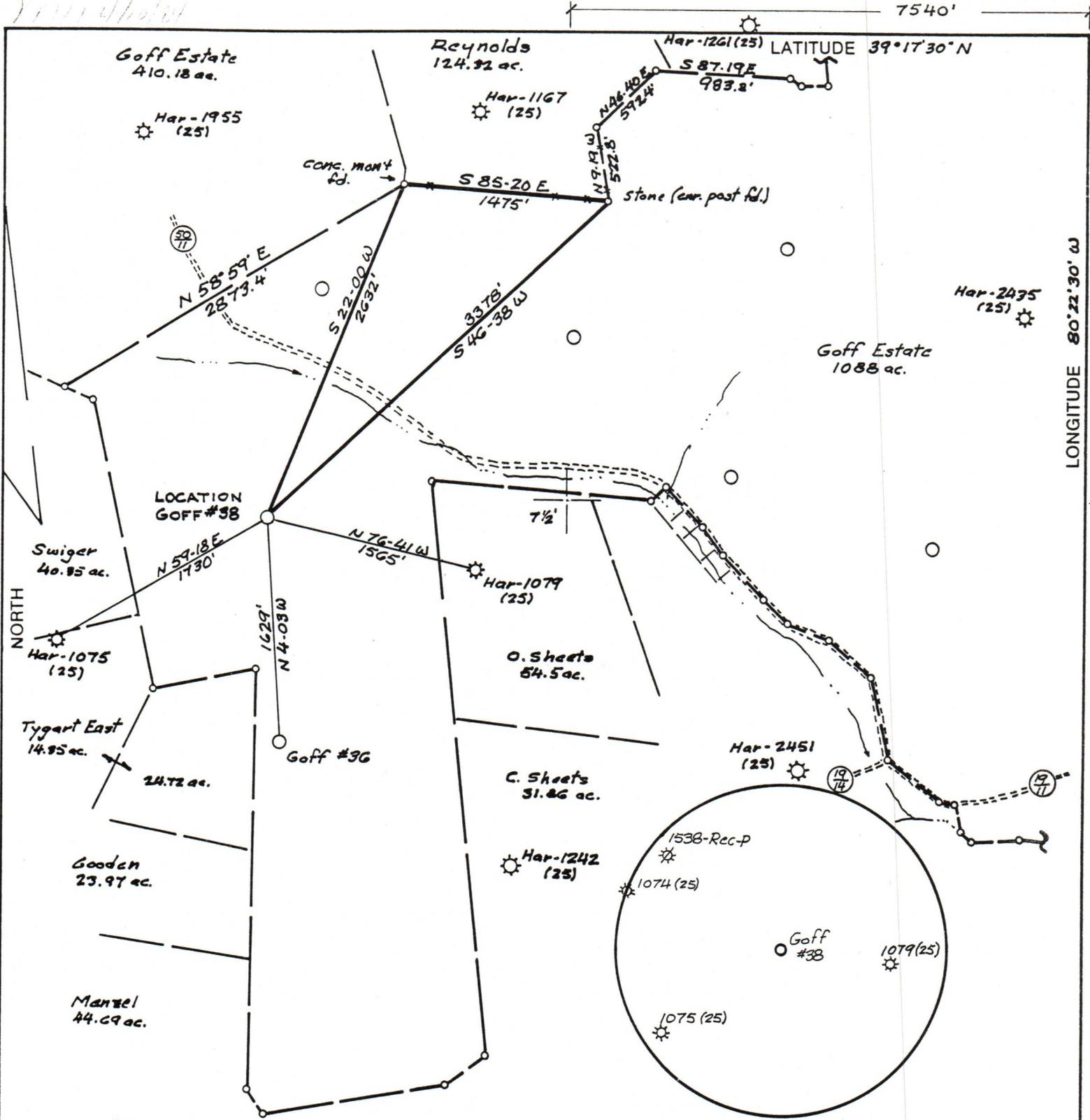
I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Steve Casey  
DATE 7-15-85

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

T. H. ...  
Administrator

August 1, 1985  
Date



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. Var - 3-25  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Spot elev. @ road jtn. 1400' NW of location; elev. 1155

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) Nathan Goff III  
 R.P.E. \_\_\_\_\_ L.L.S. 669

PLACE SEAL HERE

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



DATE March 10, 19 84  
 OPERATOR'S WELL NO. Goff #38  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1198 WATER SHED Davison Run  
 DISTRICT Clark COUNTY Harrison  
 QUADRANGLE Wolf Summit - 7 1/2'  
 SURFACE OWNER Nathan Goff III Estate ACREAGE 468.83  
 OIL & GAS ROYALTY OWNER Diana Goff Cather & Laura Goff Davis LEASE ACREAGE 1088  
 LEASE NO. 80300

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 \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Benson ESTIMATED DEPTH 5000  
 WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Mike Edwards  
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

LONGITUDE 80° 22' 08"

COUNTY NAME

PERMIT