



1) Date: March 13, 19 84  
 2) Operator's Well No. #35  
 3) API Well No. 47 - 033 - 3022  
 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: 1202 Watershed: Davisson Run  
 District: Clark County: Harrison Quadrangle: Wolf Summit-7 1/2
- 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 X  
 Plug off old formation        / Perforate new formation         
 Other physical change in well (specify) Benson
- 11) GEOLOGICAL TARGET FORMATION, Benson  
 12) Estimated depth of completed well, 5000 feet  
 13) Approximate strata depths: Fresh, 85;720 feet; salt, 965 feet.  
 14) Approximate coal seam depths: 80;585 Is coal being mined in the area? Yes        / No X
- 15) CASING AND TUBING PROGRAM

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 OIL & GAS DIVISION  
 DEPT. OF MINE

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	11-3/4	H-40	42	X		30'	30'	Cement to surface	
Fresh water									Sizes
Coal									
Intermediate	8-5/8	J-55	20	X		900'	900'	Cement to surface	NEAT
Production	4-1/2	J-55	10.5	X		5000'	5000'	400 sks. of as reg. by rule 15.01	
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-033-3022

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

Bond: <u>BLANKET</u>	Agent: <u>LO</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>832-382</u>
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T. Edwards  
 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.



**OFFICE USE ONLY**

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

1) LOCATION: B. Hill, Production, Davidson Run, Putnam County, West Virginia, 26030  
 2) WELL OPERATOR: B. Hill, Production, Davidson Run, Putnam County, West Virginia, 26030  
 3) OIL & GAS INSPECTOR TO BE NOTIFIED: SECTION CARRY, Rt. 2, Box 282-D, Jones Gap, WV, 26378  
 4) PROPOSED WELL WORK: Drill 2 1/2" Dia. Perforate new formation  
 5) GEOLOGICAL TARGET FORMATION: Carbonate  
 6) APPROXIMATE DEPTH OF COMPLETED WELL: 3000 feet  
 7) APPROXIMATE TRUE DEPTH: 85-720 feet  
 8) APPROXIMATE COST PERM DEPTH: 80-385 feet  
 9) CASING AND TUBING PROGRAM: 2 1/2" Dia. Casing, 2 1/2" Dia. Tubing

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PERMITS	CENTRAL SHEET OR TAPES	LOGS	WELL NO.	DATE	DESCRIPTION
			307	3/17/84	Perforate to surface
			300	3/17/84	Perforate to surface
			3000	3/17/84	Perforate to surface

**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: \_\_\_\_\_

Bond	APR 17 1984	APR 17 1984	APR 17 1984
------	-------------	-------------	-------------



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 2) Operator's Well No. #35  
 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: 1202 Watershed: Davison Run  
 District: Clark County: Harrison Quadrangle: Welf 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
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 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 strata depths: Fresh, 85,720 feet; salt, 965 feet.
- 14) Approximate coal seam depths: 80,585 Is coal being mined in the area? Yes \_\_\_\_\_

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	Bottom
Conductor	11-3/4	H-40	42	X		30'	30'	Cement to surface	Kind	
Fresh water									Sizes	
Coal										
Intermediate	8-5/8	J-55	20	X		900'	900'	Cement to surface	Depths set	
Production	4-1/2	J-55	10.5	X		5000'	5000'	400 sbs.		
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 Goff Davis  
Dina Goff 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

C O N C E R N I N G T H E L I N E I T E M S :

- 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).

C O N C E R N I N G T H E R E Q U I R E D C O P I E S F O R F I L I N G A N D S E R V I C E :

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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)  
I N L I E U O F F I L I N G L E A S E ( S ) A N D O T H E R C O N T I N U I N G C O N T R A C T ( 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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
<i>Diana Goff Cather</i>	<i>Petroleum Development Corp.</i>	<i>.0625</i>	<i>1007/714</i>
<i>Laura Goff Davis</i>	<i>Petroleum Development Corp.</i>	<i>.0625</i>	<i>1007/714</i>

RECEIVED

1) Date: March 13, 19 84  
 2) Operator's Well No. #35  
 3) API Well No. 47-033-3022  
 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  
 (1) Name Diana Goff Cather  
 Address 163 East Main Street  
 Clarkburg, West Virginia 26301  
 Laura Goff Davis  
 P.O. Box 707  
 Clarkburg, West Virginia 26301  
 (11) Name  
 Address  
 Clarkburg, West Virginia 26301  
 (111) Name  
 Address

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

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 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 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.)  
 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.

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

M.T. Edwards  
 this 13 day of March, 1984  
 My commission expires April 2, 1992  
 Notary Public, Harrison County,  
 State of West Virginia

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



OIL & GAS DIVISION  
 DEPT. OF MINES

**SURFACE OWNER'S COPY**



1) Date: March 13, 19 84  
 2) Operator's Well No. #35  
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 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: 1202 Watershed: Davisson Run  
 District: Clark County: Harrison Quadrangle: Wolf Summit-74
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 Name Stephen Casey Name \_\_\_\_\_  
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Jane Lew, WV 26378
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 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  
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 14) Approximate coal seam depths: 80;585 Is coal being mined in the area? Yes \_\_\_\_\_

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 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	<u>1-3/4</u>	<u>H-40</u>	<u>42</u>	<u>X</u>		<u>30'</u>	<u>30'</u>	<u>Cement to surface</u>	Kinds
Fresh water									Sizes
Coal									
Intermediate	<u>3-5/8</u>	<u>J-55</u>	<u>20</u>	<u>X</u>		<u>900'</u>	<u>900'</u>	<u>Cement to surface</u>	Depths set
Production	<u>1-1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5000'</u>	<u>5000'</u>	<u>400 sks.</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)

Laura Goff Davis Date: 3/24/84  
 (Signature)  
Diana Goff Cather Date: 3/29/84  
 (Signature)

Surface Owner

**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.



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 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
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- 5) LOCATION: Elevation: 1202 Watershed: Davisson Run  
 District: Clark County: Harrison Quadrangle: Wolf Summit-7 1/2
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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	Bottom
Conductor	<u>11-3/4</u>	<u>H-40</u>	<u>42</u>	<u>X</u>		<u>30'</u>	<u>30'</u>	<u>Cement to surface</u>		
Fresh water										
Coal										
Intermediate	<u>8-5/8</u>	<u>J-55</u>	<u>20</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 sks.</u>		
Tubing										
Liners										

*Laura Goff Davis* 3/24/84





STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES  
BUREAU OF OIL & GAS  
APPLICATION FOR A WELL PERMIT  
**LINE ITEM INSTRUCTIONS**

- 1) Date of Application.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves the underground reservoirs. "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.  
  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth of or greater than six thousand feet, whatever is shallower.
- 5) Self-explanatory.
- 6) Before a permit can be issued to a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State.
- 7) See Reg. 7.01 relating to Code §22-4-1k.
- 8) Self-explanatory.
- 9) Self-explanatory.
- 10) Work that will be attempted. A separate Form IV-2 shall not be required for stimulating a well where stimulating is to be part of the well work for which a permit is sought and is noted as such on the Form IV-2 field in connection therewith.
- 11) Anticipated formation for which well will be completed.
- 12) Self-explanatory.
- 13) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation.
- 14) All coal seam depths.
- 15) Proposed casing program and cementing refer to Code §§ 22-4-5, 22-4-6, 22-4-7, 22-4-8 and 22-4-8a, and also Regulations 9.01, 15.01, 15.02, 15.03, 15.04, 15.05, 25.01, 25.02, 25.03 and 25.04.

---

If the permit is to be issued less than 15 days from the filing of the Application (or less than 5 days if the Application is to plug a well), the surface owner(s) of record must sign the "Voluntary Statement of No Objection" on a facsimile of the surface owner's copy of the Application.

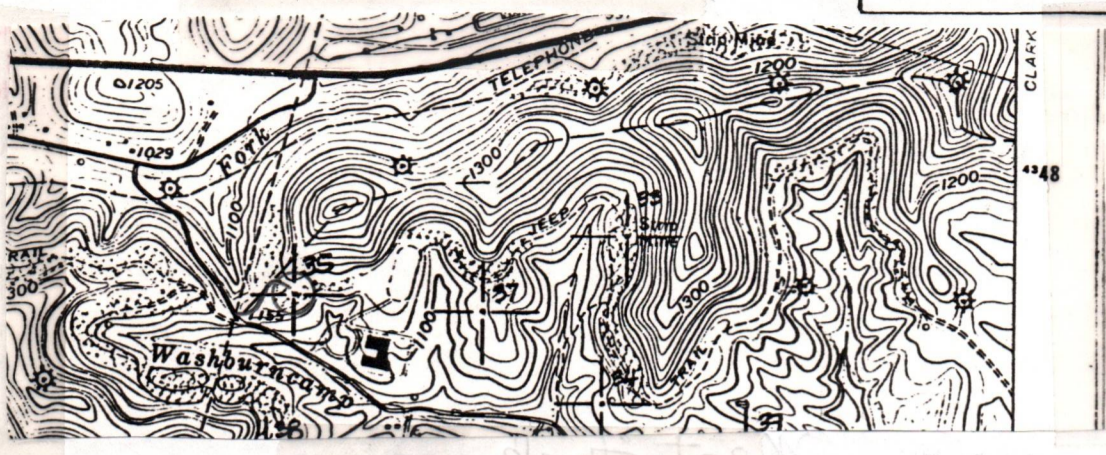
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE WOLF SUMMIT 7 1/2'

LEGEND

Well Site ⊕

Access Road ———



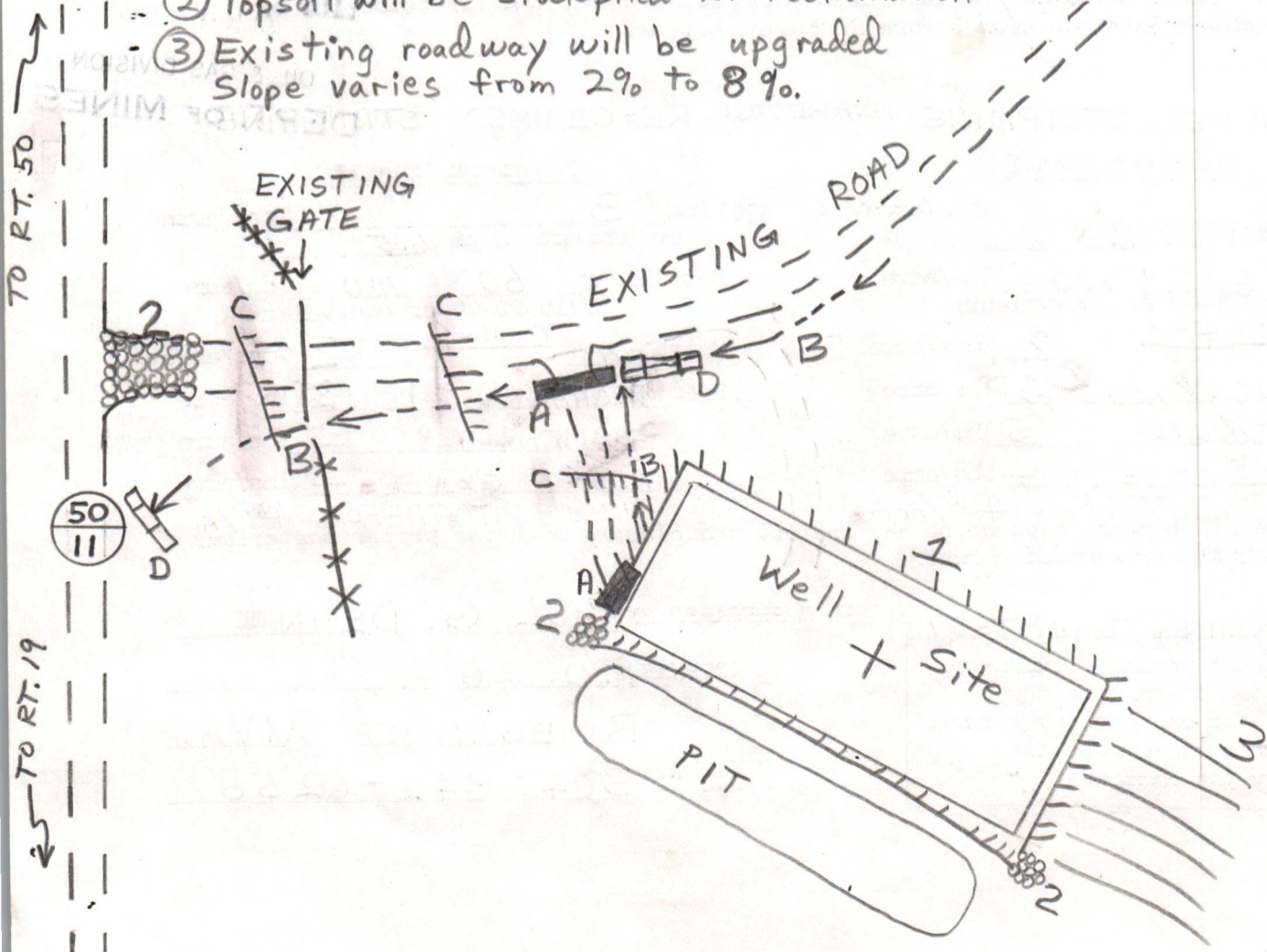
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, 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	———x———x———	Wet spot	♂
Planned fence	———/———/———	Building	■
Stream	~~~~~	Drain pipe	○→○→○→
Open ditch	———>———>———>———>	Waterway	←=====

- ① No trees will be cut
- ② Topsoil will be stockpiled for reclamation work.
- ③ Existing roadway will be upgraded  
Slope varies from 2% to 8%.





IV-9  
(Rev 8-81)

DATE MARCH 13, 1984

WELL NO. 35

State of West Virginia

API NO. 47-033-3022

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

DESIGNATED AGENT MIKE EDWARDS

Address P.O. 26 BRIDGEPORT W.VA.

Address P.O. 26 BRIDGEPORT W.VA.

Telephone 304-842-6256

Telephone 304-842-6256

LANDOWNER NATHAN GOFF III ESTATE

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: 3/28/84 (Date)

STRUC: SEDIMENT BARRIER (D)

MAT'L: HAY BALES

PG. 2.16 ACCESS ROAD

Kenneth E Knight  
(SCD Agent)

ON SITE REVIEW  
3/26/84

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

**RECEIVED**  
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Structure DRAINAGE DITCH (B)

Spacing INSIDE ROAD CUTS

Page Ref. Manual 2.12

Structure RIP-RAP

Material STONE OIL & GAS DIVISION

Page Ref. Manual 2.14

**DEPT. OF MINES**

Structure CROSS DRAINS (C)

Spacing 60'-120' APART

Page Ref. Manual 2.1

Structure FILTER STRIP (3)

Material UNDISTURBED VEGETATION

Page Ref. Manual 2.16

**RECEIVED**  
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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.

OIL & GAS DIVISION

RE-CLAIMED STRIPMINE REVEGETATION

RE-CLAIMED STRIPMINE REVEGETATION

**DEPT. OF MINES**

Treatment Area I

Treatment Area II

\*Lime 3 Tons/acre  
or correct to pH 6.5

\*Lime 3 Tons/acre  
or correct to pH 6.5

Fertilizer 600 & 100 lbs/acre  
(10-20-20 or equivalent)

Fertilizer 600 & 100 lbs/acre  
(10-20-20 or equivalent)

Mulch HAY 0-46-0 2 Tons/acre

Mulch HAY 0-46-0 2 Tons/acre

Seed\* KENTUCKY 31 35 lbs/acre

Seed\* KENTUCKY 31 35 lbs/acre

LADINO CLOVER 5 lbs/acre

LADINO CLOVER 5 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 PAUL G. DEAN II

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

ADDRESS P.O. 26

BRIDGEPORT W.VA.

PHONE NO. 304-842-6256

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

Gelled H2O/N2 assist  
 4 shots (4421.5'-4422.5') & 8 shots (4427'-4429')  
 500 gallons acid  
 15,000# 80/100      40,000# 20/40      77,000 SCF N2  
 578 bbl sand laden fluid  
 71 bbl flush

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, red rock			10	1432	3/4" stream H2O @ 105' 1" stream H2O @ 1098'
big lime			1432	1507	
big injun			1507	1583	gas check @ 1595' no show
sand, shale			1583	1972	gas check @ 1935' 18/10thru2" w/H2O
50 foot			1972	2005	
sand, shale			2005	2022	
30 foot			2022	2046	gas check @ 2028' 18/10thru2" w/H2O
sand, shale			2046	2070	
gordon stray/gordon			2070	2086	
sand, shale			2086	2251	gas check @ 2245' 16/10thru2" w/H2O
4th sand			2251	2300	
sand, shale			2300	2328	gas check @ 2308' 8/10thru2" w/H2O
5th sand			2328	2344	
sand, shale			2344	2400	
bayard (lower 5th)			2400	2437	
sand, shale			2437	2977	gas check @ 2493' 8/10thru2" w/H2O
speechley			2977	3109	gas check @ 3089' 16/10thru2" w/H2O
sand, shale			3109	3234	
balltown			3234	3347	
sand, shale			3347	3673	gas check @ 3463' 40/10thru2" w/H2O
bradford			3673	3830	gas check @ 3747' 26/10thru2" w/H2O
sand, shale			3830	3968	
riley			3968	4307	
sand, shale			4307	4436	gas check @ 4336' 18/10thru2" w/H2O
benson			4436	4447	
sand, shale			4447	4616 TD	

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By:

Date:

*Str. K. Win*

11/1/84

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

IV-35  
(Rev 8-81)

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NOV 2 - 1984  
OIL & GAS DIVISION  
DEPT. OF MINES



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date November 1, 1984  
Operator's  
Well No. #35  
Farm Nathan Goff  
API No. 47 - 033 - 3022

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     /)

LOCATION: Elevation: 1202' Watershed Davisson Run  
District: Clark County Harrison Quadrangle Wolf Summit 7½'

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  
ADDRESS PO Box 707 Clarksburg, WV 26301  
MINERAL RIGHTS OWNER Diana Goff Cather, 163 E. Main St, Clarksburg, WV 26301 & Laura Goff Davis, PO Box 707 Clarksburg, WV 26301

OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey  
ADDRESS Rt 2, Box 232-D Jane Lew, WV 26378

PERMIT ISSUED April 17, 1984  
DRILLING COMMENCED October 7, 1984  
DRILLING COMPLETED October 12, 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.			
11 3/4" 13-10"	30'	30'	cement to surface
9 5/8			
8 5/8	1015'	1015'	230 sks
7			
5 1/2			
4 1/2	4544'	4544'	400 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet  
Depth of completed well 4616 feet Rotary xx / Cable Tools      
Water strata depth: Fresh 105 feet; Salt 1098 feet  
Coal seam depths: N/A Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4422-29 feet  
Gas: Initial open flow     Mcf/d Oil: Initial open flow     Bbl/d  
Final open flow 412 Mcf/d Final open flow 0 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

3022

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OCT 12 1984

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

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-3022

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

Company Petrol. Devel. Co.  
 Address \_\_\_\_\_  
 Farm D Goff Cather  
 Well No. Goff 35  
 District Clark County Harv.  
 Drilling commenced 10-6-84  
 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 105 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 1/4			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 UDI 15

Remarks: 8 3/8 at 1015' 230 SKS. BJH

10-9-84  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR

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

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OIL AND GAS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner		Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

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

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

\_\_\_\_\_ DATE I hereby certify I visited the above well on this date.

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

RECEIVED

OCT 19 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-3022

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

Company PDC

Address \_\_\_\_\_

Farm Goff/Cather

Well No. 35

District \_\_\_\_\_ County Har.

Drilling commenced \_\_\_\_\_

Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_

Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_

Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch

Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water 1098 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 UDI 15

Remarks: dr. at 3088

10-11-84  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR



Form 26  
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

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

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

DATE \_\_\_\_\_ I hereby certify I visited the above well on this date.



State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

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JUL 16 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
November 19, 1984

COMPANY Petroleum Development Corp.

PERMIT NO 033-3022 (4-17-84)

P. O. Box 26

FARM & WELL NO Nathan Goff #35

Bridgeport, West Virginia 26330

DIST. & COUNTY Clark/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 Casey

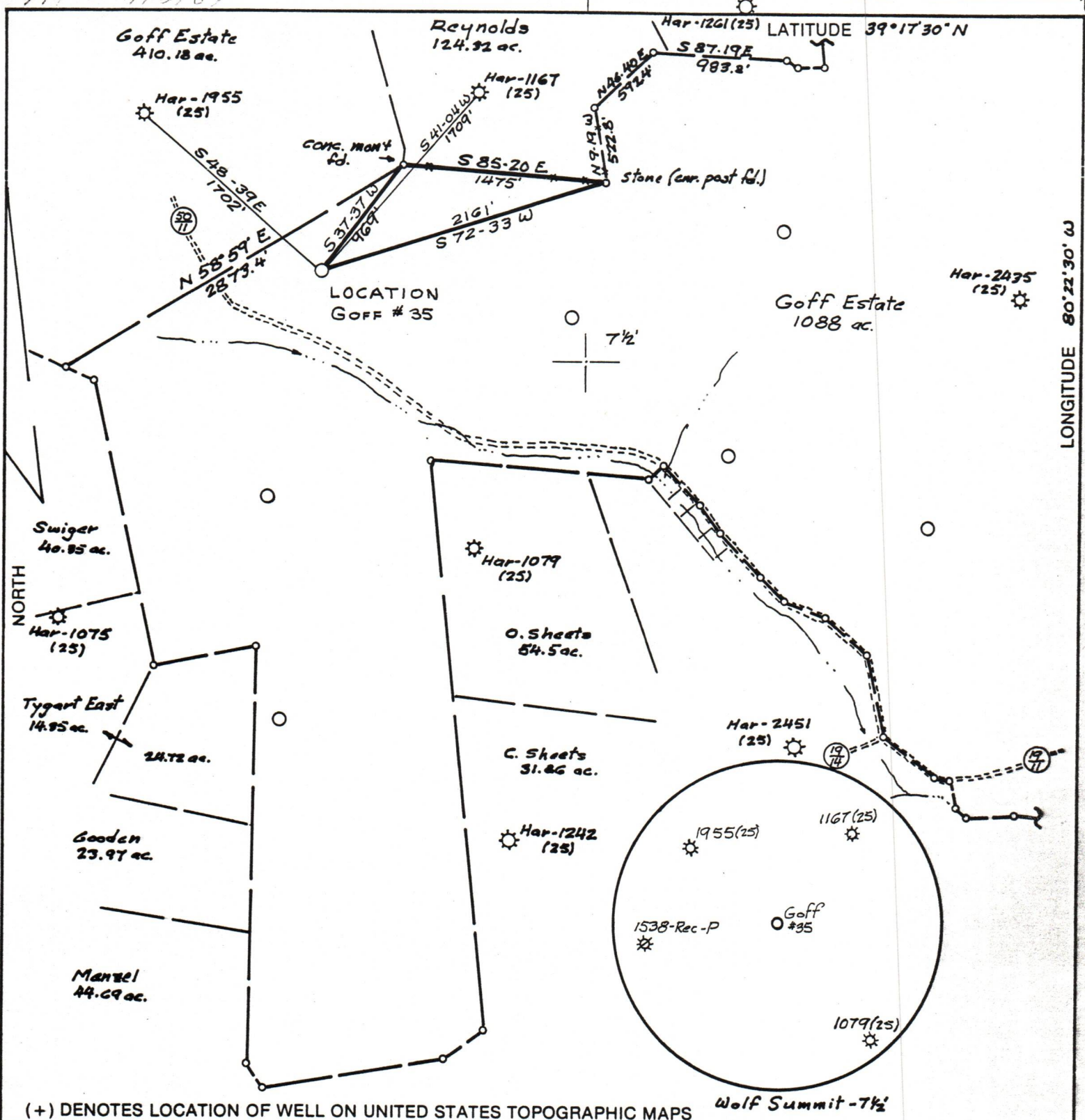
DATE 7-15-85

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



(+) 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. 600' SW 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) Thomas J. Crown  
 R.P.E. \_\_\_\_\_ L.L.S. 669

THOMAS J. CROWN  
 LICENSED  
 No. 669  
 STATE OF WEST VIRGINIA  
 PLACE SEAL HERE

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

DATE March 10, 19 84  
 OPERATOR'S WELL NO. Goff #35  
 API WELL NO. 47-033-3022

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

LOCATION: ELEVATION 1202 WATER SHED Davisson 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

COUNTY NAME PERMIT