



1) Date: March 13, 19 84
 2) Operator's # 30
 Well No. _____
 3) API Well No. 47 - 033 - 3082
 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: 1075 Watershed: West Fork River M26
 District: Clark County: Harrison Quadrangle: Clarksburg 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 / 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, 35; 650 feet; salt, 820 feet.
- 14) Approximate coal seam depths: 110; 620 Is coal being mined in the area? Yes _____ / No /

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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	11-3/4	H-40	42#	X		30'	30'	Cement to surface	
Fresh water									Sizes
Coal									
Intermediate	8-5/8	J-55	20#	X		750'	750'	Cement to surface	
Production	4-1/2	J-55	10.5#	X		5000'	5000'	400 sks.	Depths set
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-3082

October 9, 19 84
 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 October 9, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>116</u>	<u>MJ</u>	<u>MH</u>	<u>MH</u>	<u>834-233</u>

Margaret J. Hassel
 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) WELL LOCATION: B in Gas Production, West Fork River, Harrison County, West Virginia

2) WELL OPERATOR: Petroleum Development Corp., Rt. 2, Box 203, 103 Gas Main St., Bridgeport, W.V. 26330

3) DRILLING CONTRACTOR: Section Casey, Rt. 2, Box 203-2, Bridgeport, W.V. 26330

4) PROPOSED WELL WORK: Plug off old formation, 5' depth

5) GEOLOGICAL TARGET FORMATION: Benson, 5000'

6) ESTIMATED DEPTH OF COMPLETED WELL: 3510'

7) APPROXIMATE GAS RESERVE: 1100 bbl

8) CASING AND TUBING PROGRAM: 2 1/2" casing, 1000'

DEPTH (FEET)	LOG DESCRIPTION	REMARKS
0-100	Concrete to surface	
100-500	500' sec.	
500-750	750'	
750-2000	2000'	
2000-3000	3000'	
3000-3510	3510'	

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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	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

OTHER INSPECTIONS

Reason: _____

Reason: _____

Board	Agent	Plan	Casing	Fee
114				



1) Date: March 13, 19 84
 2) Operator's Well No. #30
 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: 1075 Watershed: West Fork River
 District: Clark County: Harrison Quadrangle: Clarkeburg 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 _____
 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, 35; 650 feet; salt, 820 feet.
- 14) Approximate coal seam depths: 110; 620 Is coal being mined in the area? Yes _____ / No X /
- 15) CASING AND TUBING PROGRAM

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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	Size
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>750'</u>	<u>750'</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										

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 Sandra Goff Davis
Diana 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

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:

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

1) Date: March 13, 1984
2) Operator's Well No. #30
3) API Well No. 47-033-3082
State County Permit

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

(1) Name Diana Golf Cather
Address 163 East Main Street
Clarkburg, West Virginia 26301
Name Laura Golf Davis
Address P.O. Box 707
Clarkburg, West Virginia 26301

(11) Name Laura Golf Davis
Address P.O. Box 707
Clarkburg, West Virginia 26301
(111) Name Clarkburg, West Virginia 26301
Address

5(1) COAL OPERATOR

Address

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

5(111) COAL LESSEE WITH DECLARATION ON RECORD:
Name Clarkburg, West Virginia 26301
Address P.O. Box 707
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 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 in 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 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.T. Edwards
My commission expires 4-7, 1984
Notary Public, Harrison County, State of West Virginia

WELL OPERATOR
Petroleum Development Corporation
M.C. Thomas
Its Vice-President of Exploration
Address P.O. Box 26
Bridgport, West Virginia 26330
Telephone 304/842-6256

DEPT. OF MINES
GAS DIVISION

RECEIVED
AUG 27 1984



1) Date: March 13, 19 84
 2) Operator's Well No. _____
 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 / _____ AND
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X /)
 5) LOCATION: Elevation: _____ Watershed _____
 District: Clark County: Harrison Quadrangle: Clarkeburg 7 1/2

6) WELL OPERATOR: Stateleyn Development Corp 7) DESIGNATED AGENT: Michael J. Edwards
 Address: _____ Address: _____

8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Stephen Casey
 Address: _____
 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
 12) Estimated depth of completed well, _____ feet
 13) Approximate strata depths: Fresh, 35; 650 feet, salt, _____ feet.
 14) Approximate coal seam depths: 110; 620 feet. Is coal being mined in the area? Yes _____ No X

RECEIVED
 AUG 27 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.	For drilling	Left in well		
Conductor	1 3/4	J-55	10.5	0-30	30-35		Kinds
Fresh water							
Coal							
Intermediate							
Production	1-1/2	J-55	10.5	35-650	650-620		Depths set
Tubing							
Liners							

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 work would be a violation of the Surface Owner's Rights Act.
 (2) The proposed work would be a violation of the Surface Owner's Rights Act.
 (3) Damage would occur to publicly owned lands or resources.
 (4) The proposed well work fails to protect fresh water sources or supplies.

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 Mark 24 Date 8/7/84

(For execution by natural persons)
Deana Hoff Cather 8/7/84
 (Signature) _____ Date: _____
 (Signature) _____ Date: _____

**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.



1) Date: March 13, 19 84
 2) Operator's Well No. 430
 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: 1075 Watershed: West Fork River
 District: Clark County: Harrison Quadrangle: Clarkeburg 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 _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Hanson
- 12) Estimated depth of completed well, 3000 feet
- 13) Approximate strata depths: Fresh, 35; 650 feet; salt, 820 feet.
- 14) Approximate coal seam depths: 110; 620 Is coal being mined in the area? Yes _____ / No X /

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	11-3/4	B-40	42#	X		30'	30'	Cement to surface	Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8-5/8	J-55	20#	X		750'	750'	Cement to surface		
Production	4-1/2	J-55	10.5#	X		5000'	5000'	400 sks.	Depths set	
Tubing										
Liners									Perforations:	
									Top	Bottom

March 24

84

Michael L. Edwards



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.

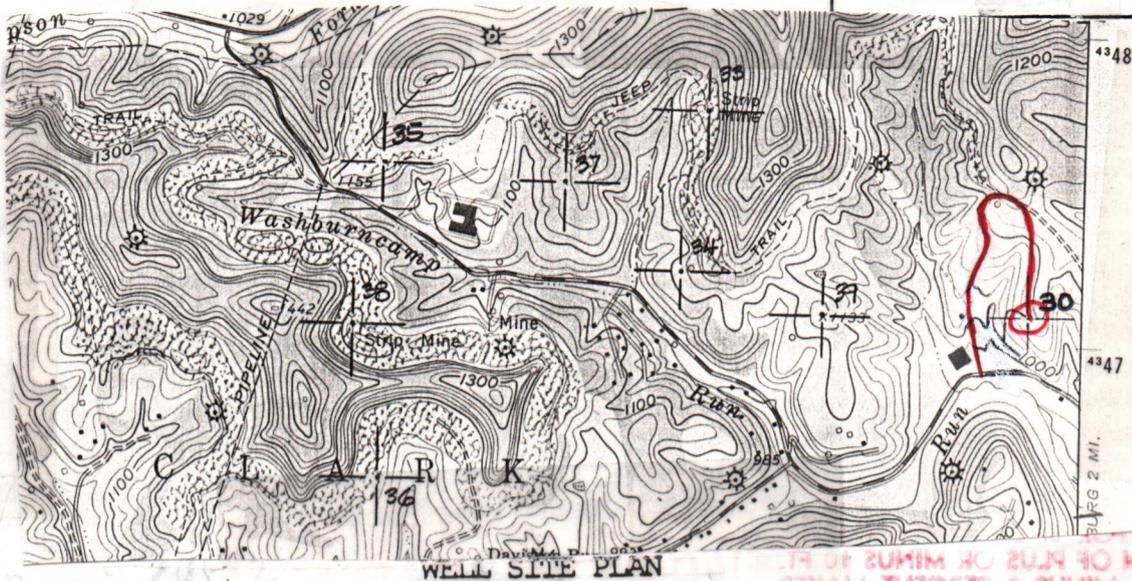
If the permit is to be issued less than 15 days from the filing of the Application (or less than 5 days if the Application is to plug a well), the surface owner(s) of record must sign the "Voluntary Statement of No Objection" on a facsimile of the surface owner's copy of the Application.

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

LEGEND

Well Site ⊕

Access Road ———



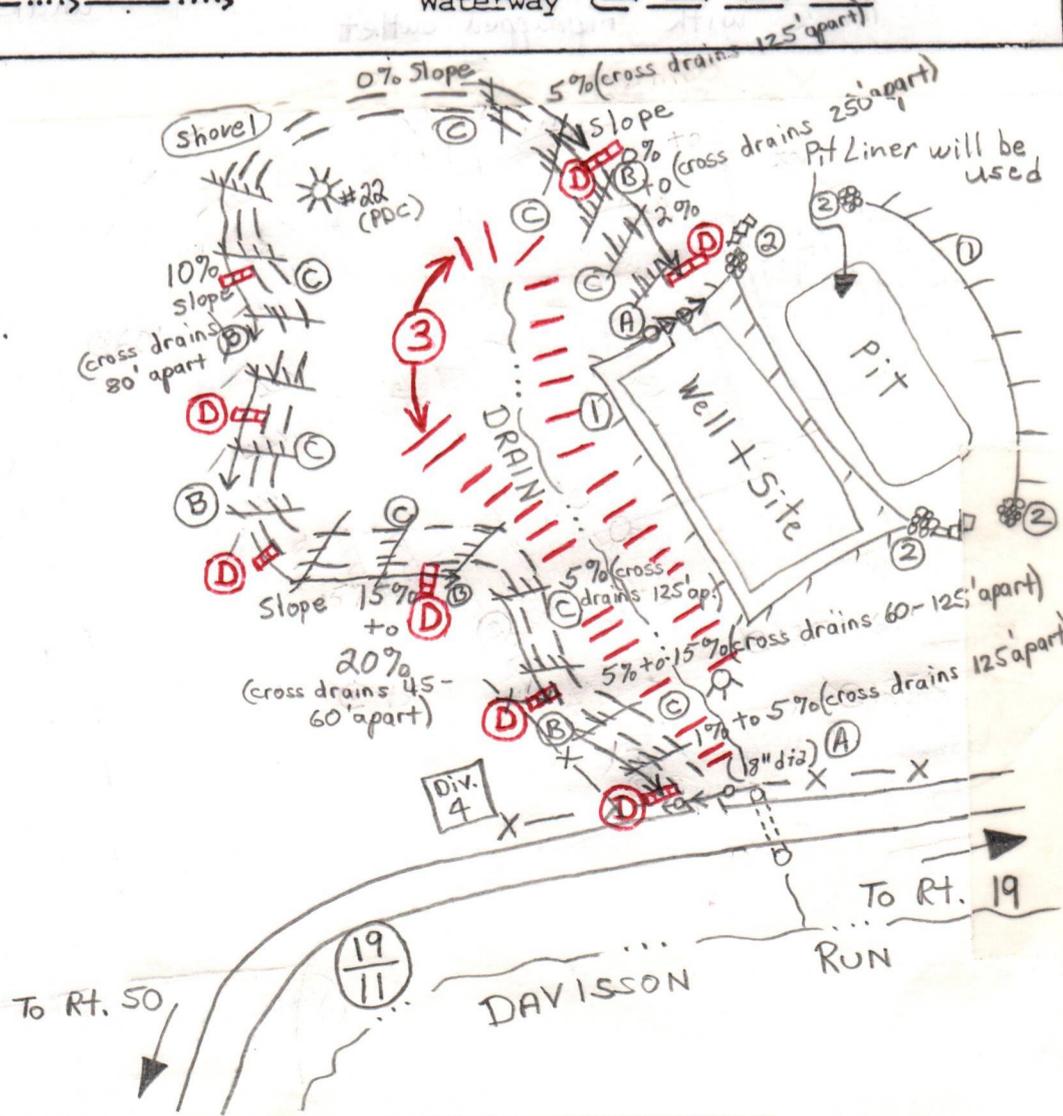
WELL SITE PLAN

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 <———<———<———<———

* Topsoil will be saved for reclamation work.





IV-9
(Rev 8-81)

DATE July 19, 1984

WELL NO. Goff #30

API NO. 47-033-3082

Rec'd. (WFSCD)

AUG 10 1984

State of West Virginia
Department of Mines
Oil and Gas Division

REVISED REVISION
(REVISION #2)

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Corp.
Address P.O. Box 26, Bridgeport, WV 26330
Telephone 842-6256

DESIGNATED AGENT Mike Edwards
Address P.O. Box 26, Bridgeport, WV 26330
Telephone 842-6256

LANDOWNER Nathan Goff 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: 8/24/84 (Date)

Kenneth E Knight
(SCD Agent)

RECEIVED
AUG 27 1984

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.

ACCESS ROAD

Structure Culvert (15" min. I.D.) (A)
Spacing (according to Oil & Gas Manual) at natural drains with riprapped outlet
Page Ref. Manual 2.7

LOCATION Diversion ditch OIL & GAS DIVISION DEPT. OF MINES (1)
Material earth
Page Ref. Manual 2.12

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 as noted on back section of plan with riprapped outlet
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.

Structure Sediment Barrier (D)
Material Hay or straw bales
Pg. Ref. Man 2-16 REVEGETATION

Field Treatment Area I	
* 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
	Alsike clover 4 lbs/acre
	Timothy 3 lbs/acre

Field 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
	Alsike clover 4 lbs/acre
	Timothy 3 lbs/acre

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

*Lime according to pH test

PLAN PREPARED BY David L. Jackson

ADDRESS P.O. Box 969
Buckhannon, WV 26201

PHONE NO. 472-9369

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

m Gray

P 405 258 500

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	<i>Laura Goff Davis</i>	
Street and No.	<i>PO Box 707</i>	
P.O., State and ZIP Code	<i>Clarksburg, WV 26301</i>	
Postage		\$
Certified Fee		
Special Delivery Fee		
Restricted Delivery		
Return Receipt to whom		
Date and Time		



*PO Box 26
Bridgeport, WV 26330*

8-24-84

Mrs. Hasse,

This mail receipt is for the R. Goff #30, for which we were lacking Mrs. H. Davis's signature on the surface waiver.

*Thank you,
Norman DeLoa*

RECEIVED

AUG 27 1984

OIL & GAS DIVISION
DEPT. OF MINES

RECEIVED



IV-35 (Rev 8-81)

MAR 1 8 1985

OIL & GAS DIVISION DEPT. OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date 3/14/85 Operator's Well No. #30 Farm Nathan Goff API No. 47 - 033 - 3082

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: 1120' Watershed Washburncamp Run District: Clark County Harrison Quadrangle Wolf Summit 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 Diana Goff Cather 163 E. Main St., Clarksburg, WV ADDRESS Laura Goff Davis, PO Box 707 Clarksburg, WV 26301 MINERAL RIGHTS OWNER same as surface ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey Rt 2, Box 232-D ADDRESS Jane Lew, WV 26378 PERMIT ISSUED 10/09/84 DRILLING COMMENCED 02/20/85 DRILLING COMPLETED 02/24/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet Depth of completed well 4516 feet Rotary xx / Cable Tools Water strata depth: Fresh 50; 450 feet; Salt n/a feet Coal seam depths: 734' Is coal being mined in the area? no

OPEN FLOW DATA Producing formation Benson Pay zone depth 4359-64 feet Gas: Initial open flow not taken Mcf/d Oil: Initial open flow n/a Bbl/d Final open flow 978 Mcf/d Final open flow n/a Bbl/d Time of open flow between initial and final tests 4 hours Static rock pressure 1700 psig (surface measurement) after 72 hours shut in (If applicable due to multiple completion--)

(Continue on reverse side)

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

RECEIVED

FEB. 27 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-3082

Oil or Gas Well _____
(KIND)

Company PDC

Address _____

Farm Goff Cather

Well No. 30

District Clark County Harr.

Drilling commenced 2-21-85

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 30 feet 450 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 734 FEET 36 INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names UDI 6

Remarks: 8 5/8 839' 200 SKS.

2-22-85
DATE

Steve Casey
DISTRICT WELL INSPECTOR

IV-20
Obverse
1-84

26-Mar-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

OIL & GAS DIVISION
DEPT. OF MINES
10-09-84)

Company: PETROLEUM DEVE CORP
Farm: CATHER, DIANA GOFF ETAL Well: GOFF 30

Permit No. 47- 33-3082
County: 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	-----	-----
13.03	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	-----	-----
1.01	Well Records on Site	-----	-----
1.02	Well Records Filed	-----	-----
7.05	Identification Markings	-----	-----

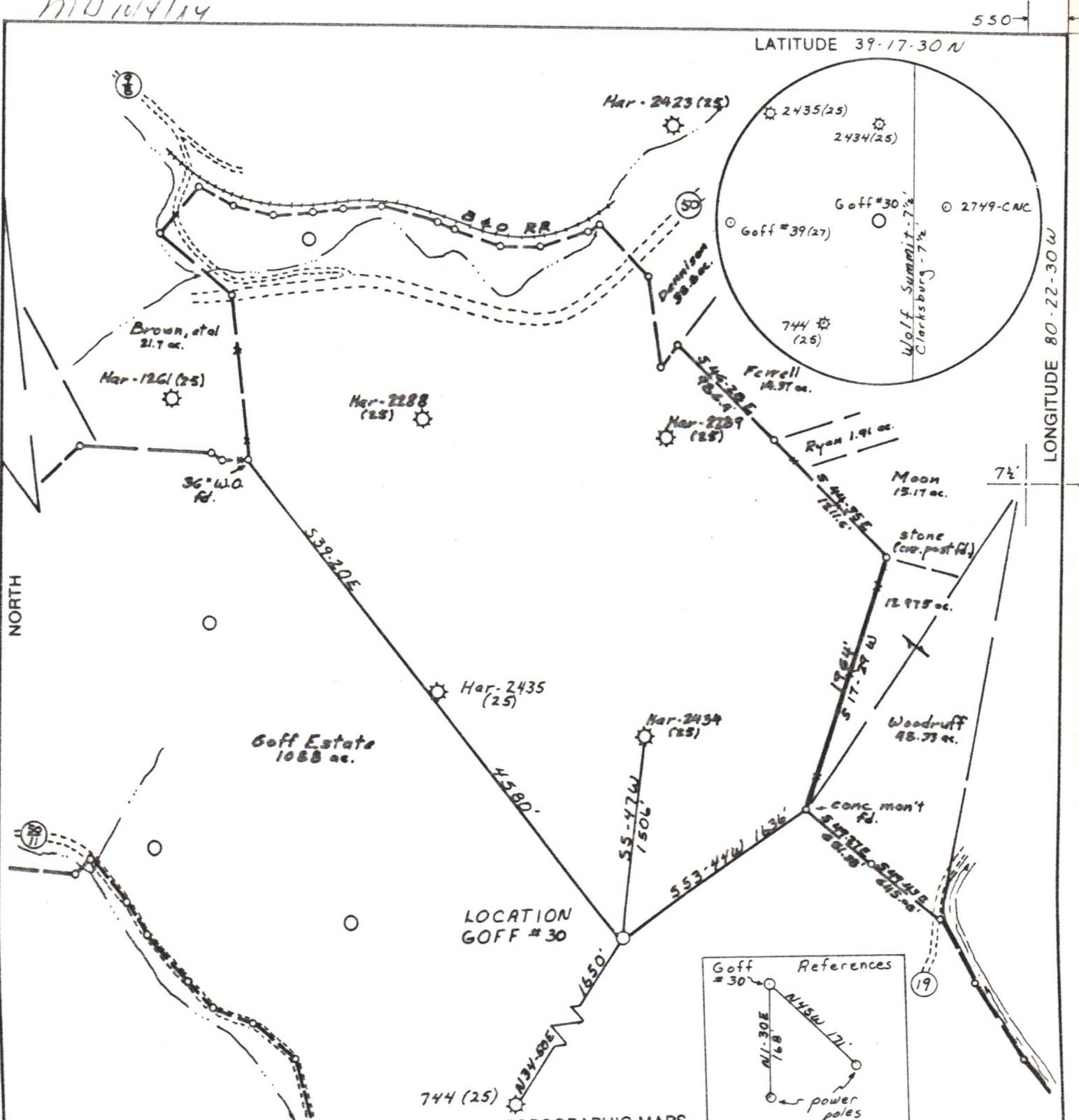
I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Stall Casey
DATE 7-15-85

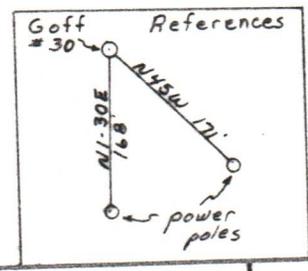
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T.H. v. B.B.
Administrator

August 1, 1985
Date



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



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Spot elev. @ road jtn. @ 6700' NW of location; elev. 995

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
 R.P.E. _____ L.L.S. 669

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE July 18 19 84
 OPERATOR'S WELL NO. Goff #30
 API WELL NO. 47-033-3082
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1095 WATER SHED Davisson Run
 DISTRICT Clark COUNTY Harrison
 QUADRANGLE Wolf Summit - 7 1/2'

SURFACE OWNER Nathan Goff III Estate ACREAGE 4/8.635
 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