FORM IV-2(B) FILE COPY
(Obverse)
7-83

RECEIVED
FEB 28 1984
OIL & GAS DIVISION
DEPT. OF MINES

1) Date: Feb 17, 1984
2) Operator's Well No. #20
3) API Well No. 47 033 744DD
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: 1017' Watershed: Davisson Run
District: Clark County: Harrison Quadrangle: Clarksburg

6) WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION
Address PO BOX 26, 103 EAST MAIN STREET
BRIDGEPORT, WV 26330

7) DESIGNATED AGENT MICHAEL L. EDWARDS
Address PO BOX 26, 103 EAST MAIN STREET
BRIDGEPORT, WV 26330

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey
Address Rt 2, Box 232-D
Jane Lew, WV 26378

9) DRILLING CONTRACTOR:
Name ____
Address ____

10) PROPOSED WELL WORK: Drill ____ / Drill deeper XX / Redrill ____ / Stimulate X /
Plug off old formation ____ / Perforate new formation X /
Other physical change in well (specify) ____

11) GEOLOGICAL TARGET FORMATION, Benson
12) Estimated depth of completed well, 4500 feet
13) Approximate trata depths: Fresh, 30; 120 feet; salt, 900 feet.
14) Approximate coal seam depths: 420 Is coal being mined in the area? Yes ____ / No x /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft.	New	Used	FOOTAGE INTERVALS For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate									see attached (OG-10) on record
Production	4 1/2		10.5	x		4500'	4500'	500 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-0744-DD February 29, 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 March 1, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
BB	MH	MH	MH	831 335

Margaret I. Hasse
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.

Coal Owner

INSTRUCTIONS TO APPLICANT

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*

Copy

FORM IV-2(A)
Obverse
[8-83]

ORIGINAL

1) Date: February 17, 1984
2) Operator's Well No. 20
3) API Well No. 47-033-0744-DD
State County Permit

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

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name Diana Goff Cather
Address 163 East Main Street
Clarksburg, W.Va. 26301

(ii) Name Laura Goff Davis
Address P.O. Box 707
Clarksburg, W.Va. 26301

(iii) Name
Address

5(i) COAL OPERATOR
Address

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

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

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

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

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

7) ROYALTY PROVISIONS

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

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

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

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by
Michael L. Edwards
this 21 day of February, 1984.
My commission expires 9-4, 1990.

Essel E. Morgan
Notary Public, Harrison County,
State of WVA.

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

FORM IV-2(B)
(Obverse)
7-83

SURFACE OWNER'S COPY

1) Date: Feb 17, 1984
2) Operator's Well No. #20
3) API Well No. 47 — 033 — 744DD
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: 1017' Watershed: Davisson Run
District: Clark County: Harrison Quadrangle: Clarksburg

6) WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION
Address PO BOX 26, 103 EAST MAIN STREET
BRIDGEPORT, WV 26330

7) DESIGNATED AGENT MICHAEL L. EDWARDS
Address PO BOX 26, 103 EAST MAIN STREET
BRIDGEPORT, WV 26330

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey
Address Rt 2, Box 232-D
Jane Lew, WV 26378

9) DRILLING CONTRACTOR:
Name
Address

10) PROPOSED WELL WORK: Drill ____/ Drill deeper XX/ Redrill ____/ Stimulate X/
Plug off old formation ____/ Perforate new formation ____/
Other physical change in well (specify) ____

11) GEOLOGICAL TARGET FORMATION, Benson

12) Estimated depth of completed well, 4500 feet

13) Approximate trata depths: Fresh, 30; 120 feet; salt, 900 feet.

14) Approximate coal seam depths: 420 Is coal being mined in the area? Yes ____/ No X/

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft.	New	Used	FOOTAGE INTERVALS For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production	4 1/2		10.5	x		4500'	4500'	500 SKS	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

RECEIVED FEB 28 1984 OIL & GAS DIVISION DEPT. OF MINES

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 Feb 24 Date 83

(For execution by natural persons)

Laura Goff Davis (Signature) Date: ____

Denna Goff Cather (Signature) Date: ____

Surface Owner

SURFACE OWNER'S COPY

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 Adminisatrator's office or an Oil and Gas Inspector to obtain a copy of the list.

OG-10
Rev. - 9-71

38-30
8-23
(2)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED
FEB 24 1974
OIL & GAS DIVISION
DEPT. OF MINES

Rotary X Oil ____
Cable ____ Gas ____
Recycling ____ Comb. ____
Water Flood ____ Storage ____
Disposal ____ ____ (Kind)

Quadrangle Clarksburg

Permit No. Har - 744 DD

Company Patrick Petroleum Corporation
Address Charleston, W. Va.
Farm Nathan Goff Acres 1087
Location (waters) Davisson Run
Well No. 20 Elev. 1025 est. KB
District Clark County Harrison
The surface of tract is owned in fee by
Nathan Goff est.
Address Clarksburg, W. Va.
Mineral rights are owned by Same
Address
Drilling Commenced 10-5-73
Drilling Completed 10-9-73
Initial open flow 10 M cu. ft. ____ bbls.
Final production ____ cu. ft. per day ____ bbls.
Well open ____ hrs. before test ____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	800		
7	1327	1327	
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

Well treatment details:

Temporarily abandoned

Will be completed at a later date

Coal was encountered at ____ Feet ____ Inches
Fresh water ____ Feet ____ Salt Water ____ Feet ____
Producing Sand Benson Sand Depth 4288 - 4298

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Original Total Depth				2269		
Ream hole to 6¼"			1327	2269		
LOG DEPTHS						
Fifth Sand			2246	2285		
Shale			2285	2954		
Speechley			2954	2974		
Shale			2974	4286		
Benson			4286		Gas 4288 - 4298	10 Mcf
Total Depth				4332	Logger	
				4363	Driller	

(over)

* Indicates Electric Log tops in the remarks section.

FORM IV-35
(REVERSE)

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

13 perfs (4279'-4283')
500 gal. acid

gelled water frac
608 bbl sand laden fluid; 15,000# 80/100; 40,000# 20/40; 75,000 scf N2

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 to GL	0	10	
sand, shale, redrock	10	1326	
big injun	1326	1424	
sand, shale	1424	1799	
50 foot sand	1799	1822	
sand, shale	1822	1860	
30 foot sand	1860	1881	
sand, shale	1881	1905	
gordon stray, gordon	1905	1922	
sand, shale	1922	2100	
4th sand	2100	2146	
sand, shale	2146	2167	
5th sand	2167	2182	
sand, shale	2182	2242	
bayard	2242	2264	
sand, shale	2264	2848	
speechly	2848	2975	
sand, shale	2975	3028	
balltown	3028	3130	
sand, shale	3130	3502	
bradford	3502	3654	
sand, shale	3654	3818	
riley	3818	4120	
sand, shale	4120	4275	
benson	4275	4291	
sand, shale	4291	4455 TD logger	
		4460 TD driller	

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION
Well Operator

By: Steve R. Wi

Date: 10/11/84

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)

RECEIVED
OCT 15 1984
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date 10/10/84
Operator's Well No. #20
Farm Nathan Goff (Oakmound)
API No. 47 - 033 - 744DD

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: 1017' Watershed Davisson Run
District: Clark County Harrison Quadrangle Clarksburg

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.
ADDRESS Laura Goff Davis PO Box 707, Clarksburg, WV
MINERAL RIGHTS OWNER Same as surface
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey ADDRESS Rt 2, Box 232-D Jane Lew, WV 26378
PERMIT ISSUED 2/29/84
DRILLING COMMENCED 9/21/84
DRILLING COMPLETED 9/25/84
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7	1300'	1300'	surface
5 1/2			
4 1/2	4384'	4384'	125 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4500 feet
Depth of completed well 4460 feet Rotary xx / Cable Tools ___
Water strata depth: Fresh N/A feet; Salt N/A feet
Coal seam depths: 420' Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Benson Pay zone depth 4279-4283 feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 730 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure 1500 psig (surface measurement) after 48 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 0744-DD

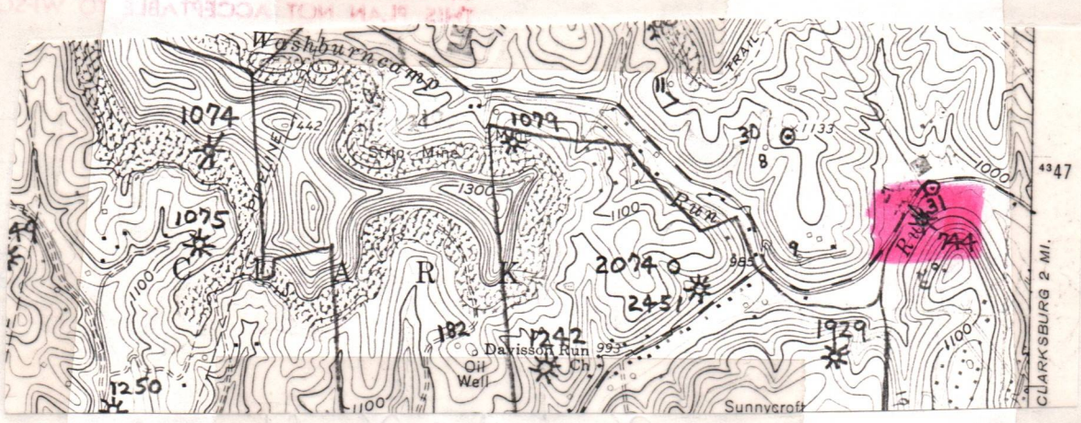
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE WOLF SUMMIT 7½'

LEGEND

Well Site ⊕

Access Road ———



WELL SITE PLAN

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

LEGEND

Property boundary

Road

Existing fence —x—x—

Planned fence —/—/—

Stream

Open ditch —···>—···>—···>

Diversion

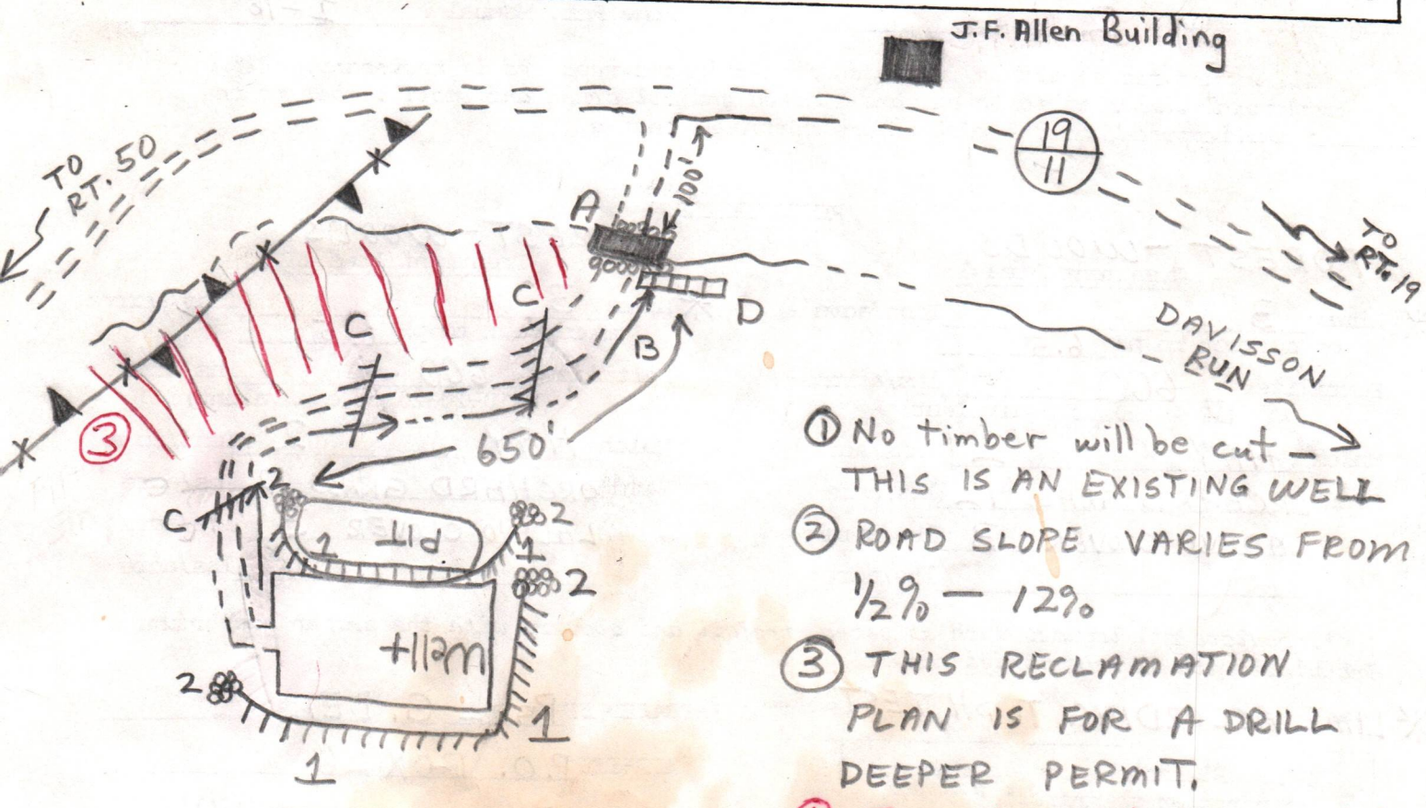
Spring

Wet spot

Building

Drain pipe

Waterway



① No timber will be cut — THIS IS AN EXISTING WELL

② ROAD SLOPE VARIES FROM ½% — 12%

③ THIS RECLAMATION PLAN IS FOR A DRILL DEEPER PERMIT.

④ Topsoil will be stockpiled for use in reclamation work.

IV-9
(Rev 8-81)

DATE FEB. 21, 1984
WELL NO. 20

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 47 -033 -0744-DD

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.V.
Telephone 304-842-6256

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

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: 2/27/84 (Date)

STRUCTURE SEDIMENT BARRIER (D) Kenneth E Knight (SCD Agent) ON SITE REVIEW 2/24/84
Material HAY BALES
PAGE. 2-16 ACCESS ROAD

LOCATION

Structure DRAIN PIPE & STONE (A)
(according to Oil & Gas Manual at natural drains)
Spacing 30" I.D.
Page Ref. Manual 2.7

Structure DIVERSION DITCH (1)
Material EARTHEN
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 70'-135' 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

FOREST-WOODS
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
lbs/acre

FOREST-WOODS
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
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

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

PLAN PREPARED BY PAUL G. DEAN II
ADDRESS P.O. BOX 26
BRIDGEPORT W.V.
PHONE NO. 304-842-6256

Work

OG-11

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 33-744 OD

Oil or Gas Well _____ (KIND)

Company PDC

Address

Farm D Goff Cather

Well No. 20

District Clark County Harr.

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 _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝			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: Moving in

9-21-84
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:

_____ I hereby certify I visited the above well on this date.

DATE

_____

DISTRICT WELL INSPECTOR

OG-11

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

RECEIVED SEP 27 1984 OIL & GAS DIVISION DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 38-744-DD

Oil or Gas Well _____ (KIND)

Company PDC

Address

Farm P. Goff Cather

Well No. 20

District _____ County Harr.

Drilling commenced 9-21-84

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
8¼			
6⅝			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 4408'

9-24-84
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:

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

_____
DISTRICT WELL INSPECTOR

OG-11

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

RECEIVED
OCT 1 - 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-744-DD

Oil or Gas Well _____ (KIND)

Company PDC

Address

Farm Jeff Cathu

Well No. 20

District Clark County Harr.

Drilling commenced

Drilling completed 9-25-84 Total depth 4460

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
8¼			
6⅝			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 ADI 15

Remarks:

9-26-84
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:

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

_____
DISTRICT WELL INSPECTOR

IV-20
Obverse
1-84

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
November 8, 1984

COMPANY Petroleum Development Corp.

P. O. Box 26

Bridgeport, West Virginia 26330

PERMIT NO 033-0744DD (2-29-84)

FARM & WELL NO Nathan Goff #20

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 8-28-85

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.

Administrator-Oil & Gas Division

September 9, 1985
DATE

TMS/nw

Petroleum
Development
Corporation

103 East Main Street
P. O. Box 26
Bridgeport, West Virginia 26330

Phone: 304—842-3597

February 27, 1984

Mr. Theodore Streit, III
State of West Virginia
Department of Mines
Oil and Gas Division
1615 Washington Street
Charleston, WV 25311

Dear Mr. Streit:

Petroleum Development Corporation would like to get a permit to recomplete the Oak Mound #20 well in Harrison County, West Virginia. This well belongs to PDC. In 1983, Patrick Petroleum Corporation, acting as operator for PDC, deepened an existing well to the Benson under permit 744DD. No asssignment of the well or any interest was made to Patrick, and they currently do not have any interest in the well. PDC at this time would like to recomplete the well in the Benson formation.

Enclosed you will find the Application for a Well Work Permit (IV-2B), in order to drill deeper on Nathan Goff #20 well (API#47-033-744DD).

Also enclosed, you will find the Reclamation Plan (IV-9), Notice of Application for a Well Work Permit (IV-2A), our check in the amount of $250.00, and an IV-1 designating PDC as operator.

The Permanent Copy of Engineer's Plat (IV-6) and the Completion Report (OG-10) are on record in our office.

Please issue permit at your earliest convenience.

orig. file on microfiche
copy of assignment
from Patrick to PDC.
on fiche

Very truly yours,

PETROLEUM DEVELOPMENT CORPORATION

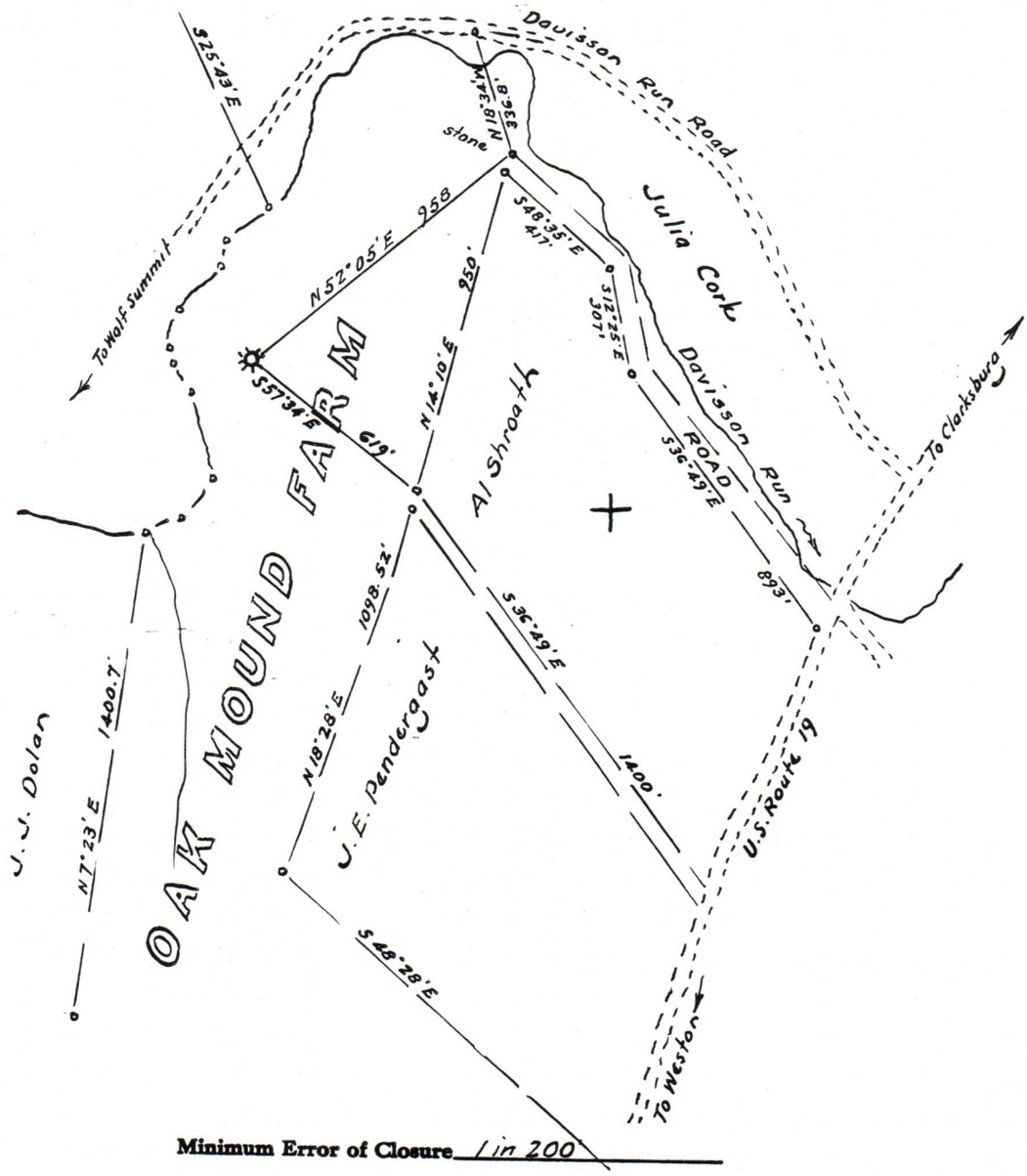
Michael L. Edwards
Executive Vice President
of Exploration

Enclosures

9/27/73 CEN

LATITUDE 39 ° 20 '

LONGITUDE 80 ° 20 '



Minimum Error of Closure 1 in 200

Source of Elevation Elev. Forks of Road 1700' West = 985

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: _____

Fracture ☐
New Location ☐
Drill Deeper ☒
Abandonment ☐

Map No. Squares: N S E W

Company PETROLEUM DEVELOPMENT CORP.
Address P.O. BOX 26, BRIDGEPORT, W. Va. 26330
Farm Nathan Goff (Oak Mound Farm)
Tract Acres 1087 Lease No.
Well (Farm) No. 20 Serial No.
Elevation (Spirit Level) 1017
Quadrangle Clarksburg
County Harrison District Clark
Engineer [signature]
Engineer's Registration No. 1227
File No. Drawing No.
Date July 17, 1973 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. Har-744-DD

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-033

TRASCO 17 5153 1-73 54291•

FORM IV-2(B)
(Obverse)
7-83

COAL OWNER'S COPY

1) Date: Feb 17, 19 84
2) Operator's Well No. #20
3) API Well No. 47 — 033 — 746DD
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: 1017' Watershed: Davisson Run
District: Clark County: Harrison Quadrangle: Clarksburg

6) WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION
Address PO BOX 26, 103 EAST MAIN STREET
BRIDGEPORT, WV 26330

7) DESIGNATED AGENT MICHAEL L. EDWARDS
Address PO BOX 26, 103 EAST MAIN STREET
BRIDGEPORT, WV 26330

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey
Address Rt 2, Box 232-D
Jane Lew, WV 26378

9) DRILLING CONTRACTOR:
Name ____
Address ____

10) PROPOSED WELL WORK: Drill ____/ Drill deeper XX / Redrill ____/ Stimulate X /
Plug off old formation ____/ Perforate new formation ____/
Other physical change in well (specify) ____

11) GEOLOGICAL TARGET FORMATION, Benson

12) Estimated depth of completed well, 4500 feet

13) Approximate trata depths: Fresh, 30; 120 feet; salt, 900 feet.

14) Approximate coal seam depths: 420 Is coal being mined in the area? Yes ____/ No ____/

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft.	New	Used	FOOTAGE INTERVALS For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production	4 1/2		10.5	x		4500'	4500'	500 SKS	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

RECEIVED FEB 28 1984 OIL & GAS DIVISION DEPT. OF MINES

See amend on record (CC-10)

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.

RECEIVED FEB 28 1984 OIL & GAS DIVISION DEPT. OF MINES

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: Feb 24, 19 84

831
335

Laura Goff Davis
By Deana Goff Cather
Its ____

Coal Owner