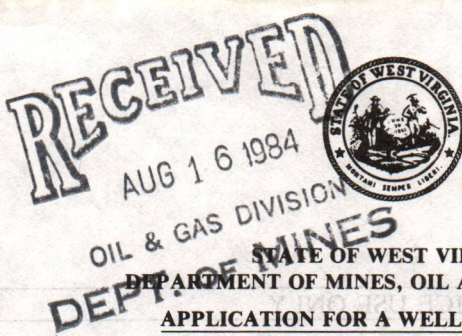


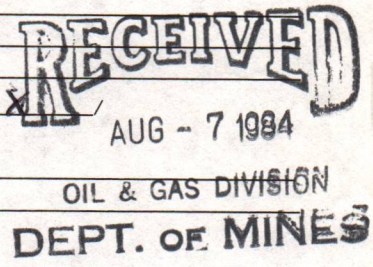
FILE COPY



1) Date: March 13, 19 84
 2) Operator's # 31
 Well No. _____
 3) API Well No. 47 - 033 - 3072
 State _____ County _____ Permit _____

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 972 Watershed: Limestone Run MW 30A
 District: Coal County: Harrison Quadrangle: Wolf Summit-7 1/2
- 6) WELL OPERATOR Petroleum Development Corp.
 Address P. O. Box 26, 103 East Main St.
Bridgeport, WV 26330
- 7) DESIGNATED AGENT Michael L. Edwards
 Address P. O. Box 26, 103 East Main St.
Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Stephen Casey
 Address Rt. 2, Box 232-D
Jane Lew, WV 26378
- 9) DRILLING CONTRACTOR:
 Name _____
 Address _____
- 10) PROPOSED WELL WORK: Drill / 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, 35;500 feet; salt, 700 feet.
 14) Approximate coal seam depths: 70;540 Is coal being mined in the area? Yes _____ / No
- 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		
Conductor	11-3/4	H-40	42#	X		40'	40'	Cement to surface
Fresh water								
Coal								Sizes
Intermediate	8-5/8	J-55	20#	X		700'	700'	Cement to surface <i>by rule 15.05</i>
Production	4-1/2	J-55	10.5#	X		5000'	5000'	400 sks. Depths set
Tubing								
Liners								Perforations: Top _____ Bottom _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3072 Date August 29, 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 August 29, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>116</u> BLANKET	Agent: <u>[Signature]</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>834-</u> <u>050</u>
------------------------------------	---------------------------	-----------------	-------------------	--------------------------------

Margaret J. Hass
 Administrator, Office of Oil and Gas

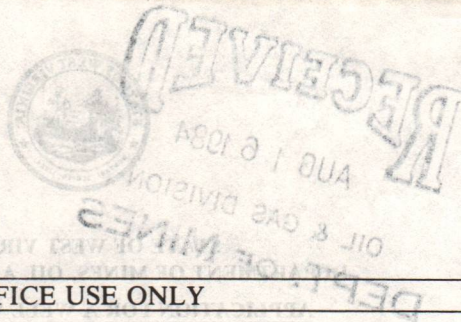
NOTE: Keep one copy of this permit posted at the drilling location.

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

File

FORM IV-2(B)
Reverse

FILE COPY



OFFICE USE ONLY

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

1) WELL LOCATION: 2) WELL OPERATOR: 3) OIL & GAS INSPECTOR TO BE NOTIFIED: 4) PROPOSED WELL WORK: 5) OTHER PHYSICAL CHANGE IN WELL LOCATION:

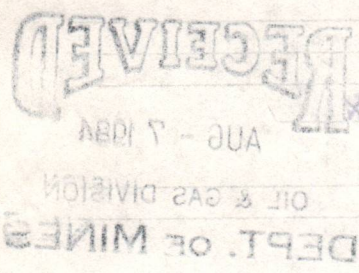


Table with columns: CASING OR TUBING TYPE, SIZE, GRADE, WEIGHT PER FOOT, DATE, LOCATION, DEPTH, etc.

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Table with columns: Date, Date(s), Application received, Well work started, Completion of the drilling process, Well Record received, Reclamation completed.

OTHER INSPECTIONS

Reason: Reason:

Table with columns: Agency, Date, etc.



1) Date: March 13, 19 84
 2) Operator's Well No. #31
 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: 972 Watershed: Limestone Run
 District: Coal 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 _____
Jana 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, 351500 feet; salt, 700 feet.
- 14) Approximate coal seam depths: 70;540 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	<u>11-3/4</u>	<u>H-40</u>	<u>42#</u>	<u>X</u>		<u>40'</u>	<u>40'</u>	<u>Cement to surface</u>	<u>Kinds</u>	
Fresh water									<u>Sizes</u>	
Coal										
Intermediate	<u>8-5/8</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>700'</u>	<u>700'</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>	<u>Depths set</u>	
Tubing										
Liners									<u>Perforations:</u>	
									<u>Top</u>	<u>Bottom</u>

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 27, 19 84

By Laura Jeff Davis
Deans Jeff Cather

Its _____

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The following is a list of the names of the persons who have been
 admitted to the office of the Secretary of the Board of Education
 since the first of January, 1878.



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).

DEPT. OF MINES
1972 DIVISION
OCT 11 1984
RECEIVED

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

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(1) Name Aiker Tire & Supply
Address PO Box 710
Clarkburg, WV 26301

(1) Name
Address

(1) Name
Address

(1) Name
Address

5(1) COAL OPERATOR

Name
Address

5(1) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name
Address 163 East Main Street

Name
Address Clarkburg, West Virginia 26301

Name
Address P.O. Box 707

5(1) 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 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 Form IV-6, 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) and before the day of mailing or delivery to the Administrator.

EXTRACTION RIGHTS

Check and provide one of the following:

I hold the right to extract oil or gas or other leases or other contracts by which

The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for special provisions)

ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

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

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

The truth of the information on the

Notice and Application is verified

and sworn to and the Notice is

signed on behalf of the Well Operator

in my County and State by

M.T. Edwards

This 13 day of March, 1984

My commission expires April 4, 1990.

Notary Public, West Virginia County, North

Telephone 304/842-6256

Address Bridgeport, West Virginia 26330

Its Vice-President of Exploration

By

WELL OPERATOR
Petroleum Development Corporation
M. Edwards

OIL & GAS DIVISION
DEPT. OF MINES

AUG - 7 1984

RECEIVED

1) Date: March 13, 1984
 2) Operator's Well No. #31
 3) API Well No. 47-033-3072
 State County Permit



1) Date: March 13, 19 84
2) Operator's Well No. _____
3) API Well No. 47 State _____ County _____ Permit _____

RECEIVED
AUG - 7 1984

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

OIL & GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

4) WELL OPERATOR: Oil Gas AND Underground storage Deep Shallow
5) LOCATION: Elevation: 972 District: Coal County: Harrison Quadrangle: Wolf Summit-74

6) DESIGNATED AGENT: Michael J. Edwards
7) DRILLING CONTRACTOR: Stephen Casey

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, _____ feet, salt, _____ feet.
14) Approximate coal seam depths: _____ feet. 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			
Conductor	11-3/4	J-40	42.7	X		40		Kinds
Production	4-1/2	J-55	10.3	X		3000		Depths set
Tubing								

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 occur on lands or resources owned or controlled by the State of West Virginia.
(2) The proposed work would occur on lands or resources owned or controlled by a public utility.
(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

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. 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: ALKIRE TIRE & SUPPLY
By: RICHARD M. ALKIRE
Its: OWNER Date: 8/13/84

(For execution by natural persons)
Richard M. Alkire Date: Aug 5 1984
(Signature)
Saura Lynn Alkire Date: _____
(Signature)

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

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

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

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

Where to file comments and obtain additional information:

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

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

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

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

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

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

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

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

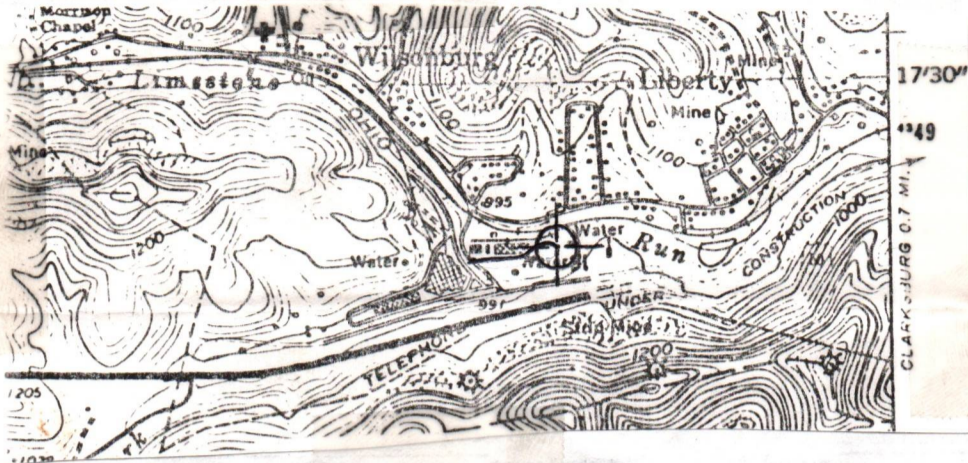
List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Wolf Summit 7.5'

LEGEND

Well Site ⊕

Access Road ———



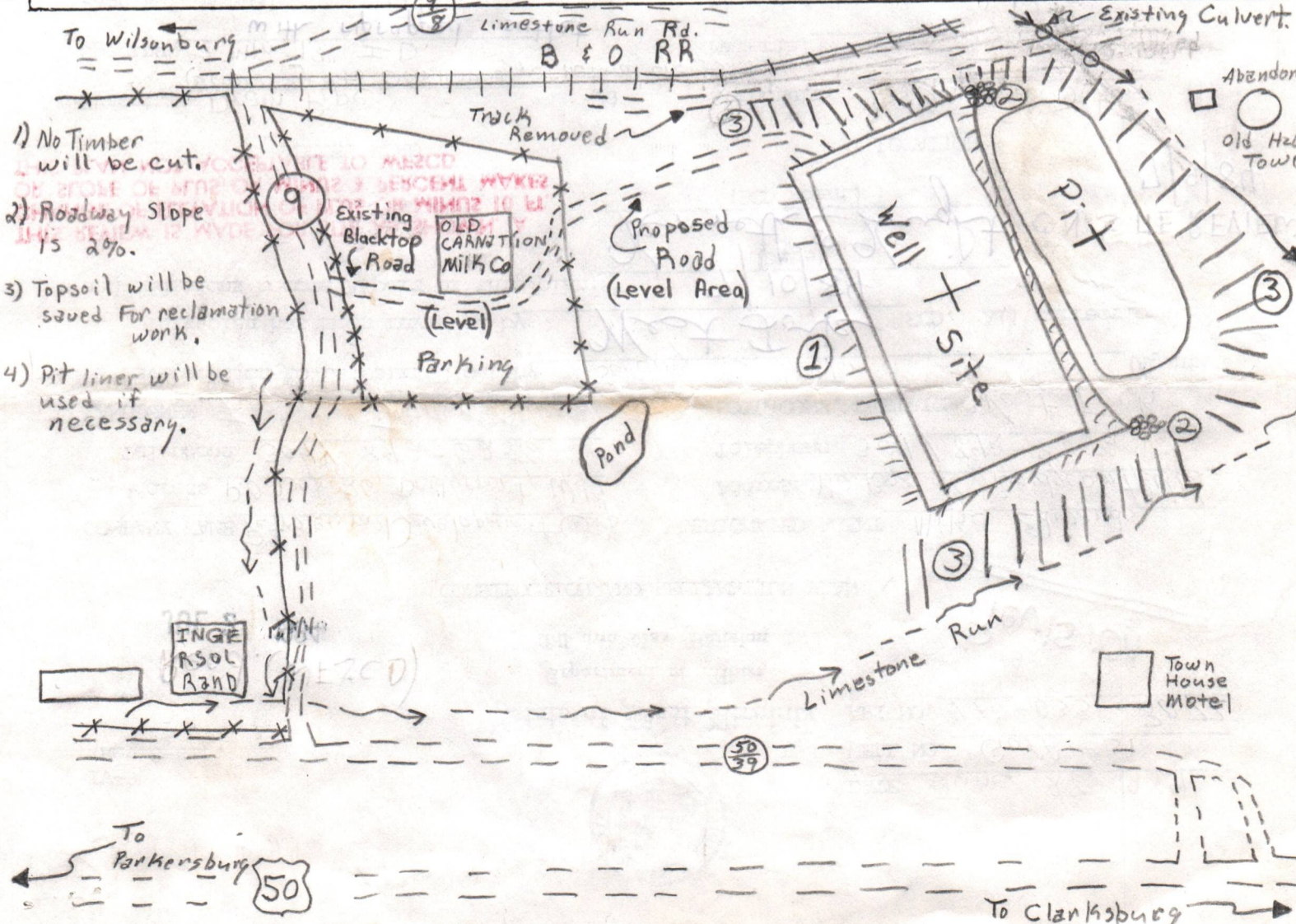
WELL SITE PLAN

49ft #82 to rt & ahead
 95ft #81 ahead & to left

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 <= = = =



Rec'd. (WFSCD) JUL 2 1984

DATE June 28, 1984
WELL NO. Goff #31
API NO. 47-033-3072
State of West Virginia
Department of Mines
Oil and Gas Division



CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Corp.
Address P.O. Box 26, Bridgeport, W.Va.
Telephone 304/842-6256
LANDOWNER Mike Edwards
Address P.O. Box 26, Bridgeport, W.Va.
Telephone 304/842-6256
SOIL CONS. DISTRICT West Fork
Seedling Contractor
West Fork
SCD. All corrections
7/10/84
(Date)
Kenneth E. Goff
(SCD Agent)

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

(A) Structure Drain Pipe (according to O&G Manual; at natural drains)
Spacing Min. 18" I.D.
with rippaped outlet
Page Ref. Manual 2.12

(B) Structure Drainage Ditch
Spacing Inside Road Cuts
Page Ref. Manual 2.12

(C) Structure Cross Drains
Spacing 60'-100' apart
with rippaped outlet
Page Ref. Manual 2.1

(3) Structure Filter Strip
Material Undisturbed Vegetation
Page Ref. Manual 2.16

(2) Structure Rip-Rap
Material Stone
Page Ref. Manual 2.14

(1) Structure Division Ditch
Material Earthen
Page Ref. Manual 2.12

DEPT. OF MINES
OIL AND GAS DIVISION

RECEIVED
AUG - 7 1984

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

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* Kentucky 31 35 lbs/acre
Ladino Clover 5 lbs/acre

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* Kentucky 31 35 lbs/acre
Ladino Clover 5 lbs/acre

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

*Lime according to pH Test

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

PLAN PREPARED BY Norman De Rosa
ADDRESS P.O. Box 26 Bridgeport, W.Va.
PHONE NO. 304/842-6256

Revision

ON SITE REVIEW 7/9/84

IV-35
(Rev 8-81)

RECEIVED
OCT 3 1 1984



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

Date _____
Operator's _____
Well No. #31
Farm Nathan Goff
API No. 47 - 033 - 3072

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: 972' Watershed Limestone Run
District: Coal 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 Alkire Tire & Supply
ADDRESS 650 W. Pike St., Clarksburg, WV 26301

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

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

PERMIT ISSUED 8/29/84
DRILLING COMMENCED 10/03/84
DRILLING COMPLETED 10/07/84

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.			
11 3/4"	30'	30'	cement to surface
9 5/8			
8 5/8	803'	803'	175 sks
7			
5 1/2			
4 1/2	4370'	4370'	400 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet

Depth of completed well 4405 feet Rotary xx / Cable Tools _____

Water strata depth: Fresh 90; 666 feet; Salt n/a feet

Coal seam depths: 261, 665 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4275-83 feet

Gas: Initial open flow 189 Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 696 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 1700 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 3072

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

RECEIVED
OCT 5 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well (KIND)

Permit No. 33-3072

Company Petrol. Devel. Co.
 Address _____
 Farm Alker Tire Co.
 Well No. Goff 31
 District Coal County Harco
 Drilling commenced 10-2-84
 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 30 feet 90 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 UOI 15

Remarks: dr. at 239'

10-3-84
DATE

Steve Casey
DISTRICT WELL INSPECTOR

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

INSPECTOR'S WELL REPORT

Permit No. 33-3072

Oil or Gas Well _____
(KIND)

Company Petrol. Devel. Co.
 Address _____
 Farm Alker Tire
 Well No. Goff 31
 District Coal County Harr.
 Drilling commenced 10-2-84
 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 80 feet 90 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 8 5/8 SIZE 803' No. FT. 175 SKS. Date _____

NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT 261 FEET 84 INCHES
665 FEET 24 INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names UDI 15

Remarks: ddl. at 1295'

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 OCT 9 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

10-4-84
DATE

Steve Cassel
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: _____

RECEIVED
OIL & GAS DIVISION
DEPT. OF MINES

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

DATE

DISTRICT WELL INSPECTOR



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

RECEIVED
JUL 16 1985
OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
November 19, 1984

COMPANY Petroleum Development Corp.

PERMIT NO 033-3072 (8-29-84)

P. O. Box 26

FARM & WELL NO Alkire Tire & Supply #31

Bridgeport, West Virginia 26330

DIST. & COUNTY Coal/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. L. ...
Administrator-Oil & Gas Division

August 1, 1985

DATE

