

7/85

RECEIVED
DEC 13 1985



1) Date: December 10, 19 85
 2) Operator's Well No. Weekly #2
 3) API Well No. 47-033-3283
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1356 / Watershed: Anmoore Run
 District: Simpson 8 / County: Harrison / Quadrangle: Clarksburg 7 1/2 297
- 6) WELL OPERATOR Petroleum Deve. CODE: 38200 7) DESIGNATED AGENT Steven R. Williams
 Address P. O. Box 26 / Address P. O. Box 26
Bridgeport, WV 26330 / 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 XX / Drill deeper _____ / Redrill _____ / Stimulate XX /
 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, 45 feet; salt, 1700 feet.
- 14) Approximate coal seam depths: 494 Is coal being mined in the area? Yes _____ / No XX /
- 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		30	-	Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8	J-55	20#	X		1175	1175	neat c.t.s. <i>by rule 15.05</i>
Production	4 1/2	J-55	10.5#	X		5000	5000	450 sks <i>as required by rule 15.01</i>
Tubing								Perforations:
Lin...								Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3283

Date December 13 19 85

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 December 13, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>RB</u>	Plat: <u>MD</u>	Casing: <u>MD</u>	Fee: <u>840039</u>	WPCP: <u>MD</u>	S&E: <u>MD</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

John Johnston by Margaret J. Hall
 Director, Division of Oil and Gas

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

File

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DEC 13 1985



WW-9

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

DATE December 8, 1985

WELL NO. Weekly No. 2

Rec'd. (WFSCD)

DEC 10 1985

State of West Virginia
Department of ENERGY
Oil and Gas Division

API NO. 47-033-3283

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Corp. DESIGNATED AGENT Steven Williams
Address P.O. Box 26, Bridgeport, WV 26330 Address P.O. Box 26, Bridgeport, WV 26330
Telephone 842-6256 Telephone 842-6256
LANDOWNER Icie B. Weekly 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: 12/12/85 (Date)

Kenneth E Knight
(SCD Agent)

ACCESS ROAD

LOCATION

Structure <u>Culvert with rip-rapped outlet (A)</u> <u>20" diameter drains</u> Spacing <u>(according to O&G manual) (at natural)</u> Page Ref. Manual <u>2.7</u>	Structure <u>Diversion ditch</u> (1) Material <u>earth</u> Page Ref. Manual <u>2.12</u>
Structure <u>Drainage ditch (B)</u> Spacing <u>inside road cuts</u> Page Ref. Manual <u>2.12</u>	Structure <u>Rip-rap</u> (2) Material <u>stone</u> Page Ref. Manual <u>2.14</u>
Structure <u>Cross drains with rip-rapped (C)</u> outlets Spacing <u>as noted on back section of this plan</u> Page Ref. Manual <u>2.1</u>	Structure <u>Sediment Barrier</u> (3) Material <u>Staked Hay Bales</u> Page Ref. Manual <u>2.16</u>

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.

Woods

REVEGETATION

Re-claimed Strip Mine

Treatment Area I

Treatment Area II

** Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Orchard grass 12 lbs/acre
Landino clover 3 lbs/acre
lbs/acre

** Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Kentucky 31 35 lbs/acre
Landino clover 5 lbs/acre
lbs/acre

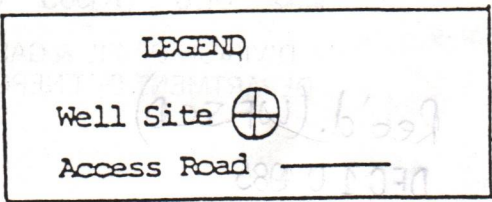
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

** Lime according to pH test

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

PLAN PREPARED BY David L. Jackson
ADDRESS P.O. Box 969
Buckhannon, WV 26201
PHONE NO. 472-9369

ATTACH OR PHOTOCOPIY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Clarksburg 7 1/2'



FORM WW-2A
Obverse

1) Date: December 10, 19 85
Operator's
2) Well No. Weekly #2
3) API Well No. 47 - 033 - 3283
State County Permi

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
Icie B. Weekly
(i) Name Mary L. Watkins as Committee for
Address 115 Merrill Avenue
Rivesville, WV. 26588
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5 (i) COAL OPERATOR _____
Address _____
5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Mary L. Watkins as Committee for
Address 115 Merrill Avenue Icie Weekly
Rivesville, WV. 26588
Name _____
Address _____
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:

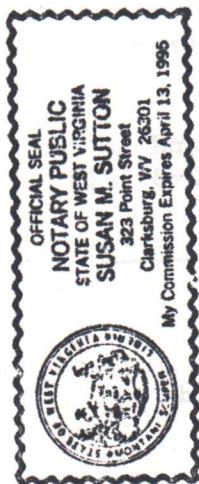
- (1) The Application for a Well Work Permit on Form WW-2(B) which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form WW-6, and
- (3) The Construction and Reclamation Plan on Form WW-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 WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B 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 Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-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 Director of the Division of Oil and Gas.

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 22B-1-8(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 WW-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
Steven R. Williams,
this 10th day of December, 1985,
My commission expires April 13, 1995.
Susan M. Sutton
Notary Public, Harrison County,
State of West Virginia

WELL OPERATOR Petroleum Development Corpora
By [Signature]
Its President
Address P.O. Box 26,
Bridgeport, WV. 26330
Telephone 304/842-6256

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



1) Date: December 10, 19 85
 2) Operator's Well No. Weekly #2
 3) API Well No. 47
 State _____ County _____ Permit _____

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1356 Watershed: Anmoore Run
 District: Simpson County: Harrison Quadrangle: Clarksburg 7 1/2'
- 6) WELL OPERATOR Petroleum Deve. CODE: 38200 7) DESIGNATED AGENT Steven R. Williams
 Address P. O. Box 26 Address P. O. Box 26
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 XX / 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, 45 feet; salt, 1700 feet.
 14) Approximate coal seam depths: 494 Is coal being mined in the area? Yes _____ / No XX /
- 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>30</u>				Kinds
Fresh water										
Coal										Sizes
Intermediate	<u>8 5/8</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>1175</u>	<u>1175</u>	<u>neat c.t.s.</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>450 sks</u>		Depths set
Tubing										
Liners										Perforations: Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form WW-2(A), (2) an Application for a Well Work Permit on Form WW-2(B), (3) a survey plat on Form WW-6, and (4) a Construction and Reclamation Plan on Form WW-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.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Mary L. Watkins, committee for Joe Beckley
 (Signature) Date 12-10-85

 (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 22B, Article 1 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 Director of the Division of Oil and Gas in the West Virginia Department of Energy immediately.

NOTE : YOU ARE NOT REQUIRED TO FILE ANY COMMENT AT ALL.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION :

Director, Division of Oil and Gas
West Virginia Department of Energy
1615 Washington Street, East
Charleston, West Virginia 25311-2192
(304) - 348 - 3500

Who may file comments? If you wish to file comments, you must be an owner of record of (1) and 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 over 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 Director'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 Director's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Director 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 Director.

List of Water Testing Laboratories. The Director 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 Director's office or an Oil and Gas Inspector to obtain a copy of the list.



1) Date: December 10, 19 85
 2) Operator's Well No. Weekly #2
 3) API Well No. 47
 State _____ County 033 Permit 2283

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1356 Watershed: Annoore Run
 District: Simpson County: Harrison Quadrangle: Clarksburg 7 1/2'
- 6) WELL OPERATOR Petroleum Deve. CODE: 38200 7) DESIGNATED AGENT Steven R. Williams
 Address P. O. Box 26 Address P. O. Box 26
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 XX / Drill deeper _____ / Redrill _____ / Stimulate XX /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
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15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
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Coal									Sizes
Intermediate	<u>8 5/8</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>1175</u>	<u>1175</u>	<u>neat c.t.s.</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>450 sks</u>	Depths set
Tubing									
Liners									Perforations
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code 22B-1-15,16, or 17 must be filed with the Department of Energy 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 22B-1-36 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: 12-10-85, 19 _____
 By: Mary L. Statton, committee chair
 Its _____

RECEIVED
DEC 13 1985

SITE REGISTRATION APPLICATION FORM
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS
DRILLING PIT WASTE DISCHARGE

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1. Company Name Petroleum Development Corporation
2. Mailing Address P.O. Box 26, Bridgeport, WV. 26330
street city state zip
3. Telephone 304/842-6256 4. Well Name Weekly #2
5. Latitude 39-17-30N Longitude 80-15-00W
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-033-3283
8. County Harrison 9. Nearest Town Anmoore
10. Nearest Stream Ann Moore Run 11. Tributary of Elk Creek
12. Will Discharge be Contracted Out? yes XX no _____
13. If Yes, Proposed Contractor PKC, Inc.
Address 44 Baltimore Street, Westover, WV. 26505
Telephone 304/292-1265

14. Proposed Disposal Method: UIC _____ Land application XX
Off Site Disposal _____ Reuse _____ Centralized Treatment _____
Thermal Evaporation _____ Other _____

15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.



WR-35

JAN 15 1986

State of West Virginia

DEPARTMENT OF ENERGY
Oil and Gas Division

Date _____
Operator's _____
Well No. _____ #2
Farm ICIE WEEKLY
API No. 47 - 033 - 3283

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: 1356' Watershed ANN MOORE RUN
District: SIMPSON County HARRISON Quadrangle CLARKSBURG 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 MARY L. WATKINS AS COMMITTEE FOR ICIE B. WEEKLY

ADDRESS 115 MERRILL AVE, RIVESVILLE, WV 26588

MINERAL RIGHTS OWNER SAME AS SURFACE OWNER

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK STEPHEN

CASEY ADDRESS RT 2, BOX 232-D JANE LEW, WV 26378

PERMIT ISSUED 12/13/85

DRILLING COMMENCED 12/17/85

DRILLING COMPLETED 12/23/85

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"	30'		
9 5/8			
8 5/8	1184'	1184'	230 sks.
7			
5 1/2			
4 1/2	4724'	4724'	475 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION BENSON Depth 5000 feet

Depth of completed well 4736 feet Rotary xx / Cable Tools _____

Water strata depth: Fresh 25; 54; 500 feet; Salt _____ feet

Coal seam depths: _____ Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation BENSON Pay zone depth 4610-19 feet

Gas: Initial open flow not taken Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 622 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1850 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 3283

INSPECTOR'S PERMIT SUMMARY FORM

(12-13-85)

WELL TYPE _____ API# 47- 033 - 3283
ELEVATION 1356 MAY 1 1986 OPERATOR Petroleum Dev. Corp.
DISTRICT Simpson TELEPHONE _____
QUADRANGLE Clarksburg FARM _____
COUNTY Harrison WELL # Weekly 2

SURFACE OWNER Weekly, Icie COMMENTS _____ TELEPHONE _____

TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 12-14-85 NOTIFIED DRILLING COMMENCED 12-16-85

WATER DEPTHS 54, 500, _____, _____
COAL DEPTHS 852-858, _____, _____, _____

CASING
Ran 1165 feet of 8 5/8 "pipe on 12-18-85 with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up

TD 4736 feet on 12-23-85

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 4-29-86

Stephen L. Casey
Inspector's signature

API# 47 33 - 3283

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	12-16-85		Inspect	start
2	12-17		"	
3	12-18		"	8 5/8
4	12-19		"	
5	12-20		"	
6	12-23		"	TD
7	4-29-86		"	reclamation
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

1.0 API well number: (If not assigned, leave blank. 14 digits.) 47 - 033 - 3283 -

2.0 Type of determination being sought: (Use the codes found on the front of this form.) 103
Section of NGPA

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.) 4619
Category Code

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)
Petroleum Development Corporation
 Name
P.O. Box 26, 103 East Main Street
 Street
Bridgport WV 26330
 City State Zip Code

5.0 Location of this well: [Complete (a) or (b).]
 (a) For onshore wells (35 letters maximum for field name.)
UNNAMED
 Field Name
HARRISON WV
 County State
 (b) For OCS wells:
 Area Name _____ Block Number _____
 Date of Lease: _____
 Mo. Day Yr. OCS Lease Number _____

(c) Name and identification number of this well: (35 letters and digits maximum.)
IGIE WEEKLY #2
 OCS Lease Number _____

(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)
BENSON

6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)
HOPE GAS INC
 Name
 (b) Date of the contract:
PENDING
 Buyer Code _____
 Date of contract: _____
 Mo. Day Yr.

(c) Estimated total annual production from the well:
30 Million Cubic Feet

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 JAN 15 1986
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>PENDING</u>	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>Section</u>	<u>104 + Taxes</u>	_____	_____

9.0 Person responsible for this application:

Agency Use Only
 Date Received by Juris. Agency JAN 15 1986
 Date Received by FERC _____

Steven R. Williams
 Name
President
 Title
1/13/86
 Signature
 Date Application is Completed
(304) 842-6256
 Phone Number

JAN 30 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 1/13, 1986 38200

AGENCY USE ONLY

Applicant's Name: Petroleum Development Corporation

WELL DETERMINATION FILE NUMBER

Address: P.O. Box 26
Bridgeport, WV 26330

860115 -1030 -033 - 3283

Gas Purchaser Contract No. PENDING

Use Above File Number on all
Communications Relating to This Well

Date of Contract _____
(Month, day and year)

Designated Agent: Steven R. Williams

First Purchaser: HOPE GAS INC P 637

Address: _____ P.O. Box 26

Address: 445 W. MAIN
(Street or P.O. Box)
CLARKSBURG, WV 26301
(City) (State) (Zip Code)

Bridgeport, WV 26330

FERC Seller Code 014902

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Steven R. Williams President
(Print) (Title)

Signature: [Signature]

Address: P.O. Box 26
(Street or P.O. Box)
Bridgeport, WV 26330
(City) (State) (Zip Code)

Telephone: (304) 842-3597
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Bu

- 103 New Onshore Production Well
- 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED.

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JAN 15 1986

JAN 30 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 1/13, 19 86 38200

AGENCY USE ONLY

Applicant's Name: Petroleum Development Corporation

WELL DETERMINATION FILE NUMBER

Address: P.O. Box 26

860115 -1076 -033 - 3283

Bridgeport, WV 26330

Use Above File Number on all
Communications Relating to This Well

Gas Purchaser Contract No. PENDING

Date of Contract _____
(Month, day and year)

Designated Agent: Steven R. Williams

First Purchaser: HOPE GAS INC P 637

Address: P.O. Box 26

Address: 445 W. MAIN

Bridgeport, WV 26330

(Street or P.O. Box)

CLARKSBURG, WV 26301

(City) (State) (Zip Code)

FERC Seller Code 014902

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NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
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Name: Steven R. Williams President

Signature: [Signature] (Title)

Address: P.O. Box 26

(Street or P.O. Box)

Bridgeport, WV 26330

(City) (State) (Zip Code)

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- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recombination Tight Formation

AGENCY USE ONLY

OK
QUALIFIED

RECEIVED
JAN 15 1986

55-T

DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL NO. IGIE WEEKLY #2

API NO. 47-033-3283
State County

WELL CLASSIFICATION FORM

HIGH-COST GAS - NEW TIGHT FORMATION

NEPA SECTION 107

WELL OPERATOR Petroleum Development Corp.
Address 103 East Main St., P.O. Box 26
Bridgeport, WV 26330

Designated Agent Petroleum Development Corp.
Address 103 East Main St., P.O. Box 26
Bridgeport, WV 26330

Gas Purchaser HOPE GAS INC
Address 445 W MAIN
CLARKSBURG, WV 26301

Location: Elevation 1356
Watershed ANN MOORE Quad. CLARKSBURG
District SIMPSON County HARRISON

Gas Purchase Contract No. PENDING
Meter Chart Code
Date of Contract

* * * * *

Date surface drilling began 12/17/83

Indicate the bottom hole pressure of well and explain how this was calculated:

$$\frac{0.01875 \text{ GH}}{2T} P_{ws} = P_{ts(e)}$$

- P_{ws} = Static Bottom Hole Pressure = 2104 psia
- P_{ts} = Static Wellhead Pressure = 1850 psia
- Bottom Hole Temperature = 99 °F
- G = Specific Gravity of Gas = .61
- H = Well Depth to Center Perfs = 4415
- Z = Compressibility Factor at Arithmetic Mean Temperature & Pressure = .733
- T = Arithmetic Mean Temperature = 537

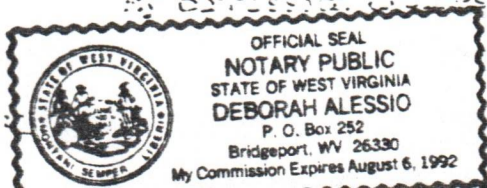
I, STEVE WILLIAMS, having been first sworn according to law, state that surface drilling of the well for which this determination is sought was begun on or after July 16, 1979, the gas is being produced from a designated tight formation and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

STATE OF WEST VIRGINIA
COUNTY OF HARRISON, COUNTY:

I, DEBORAH ALESSIO, a Notary Public in and for the state and county aforesaid, do certify that Steven A. Williams whose name is signed to the writing above, has acknowledged the same before me, in the county aforesaid.

Given under my hand this 13th day of January, 1986.

My commission expires: AUGUST 6, 1992



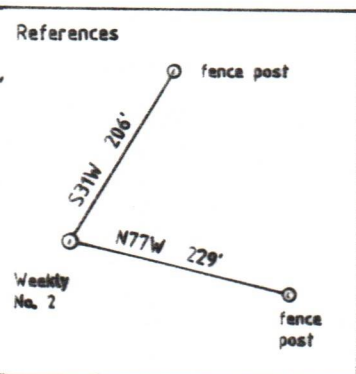
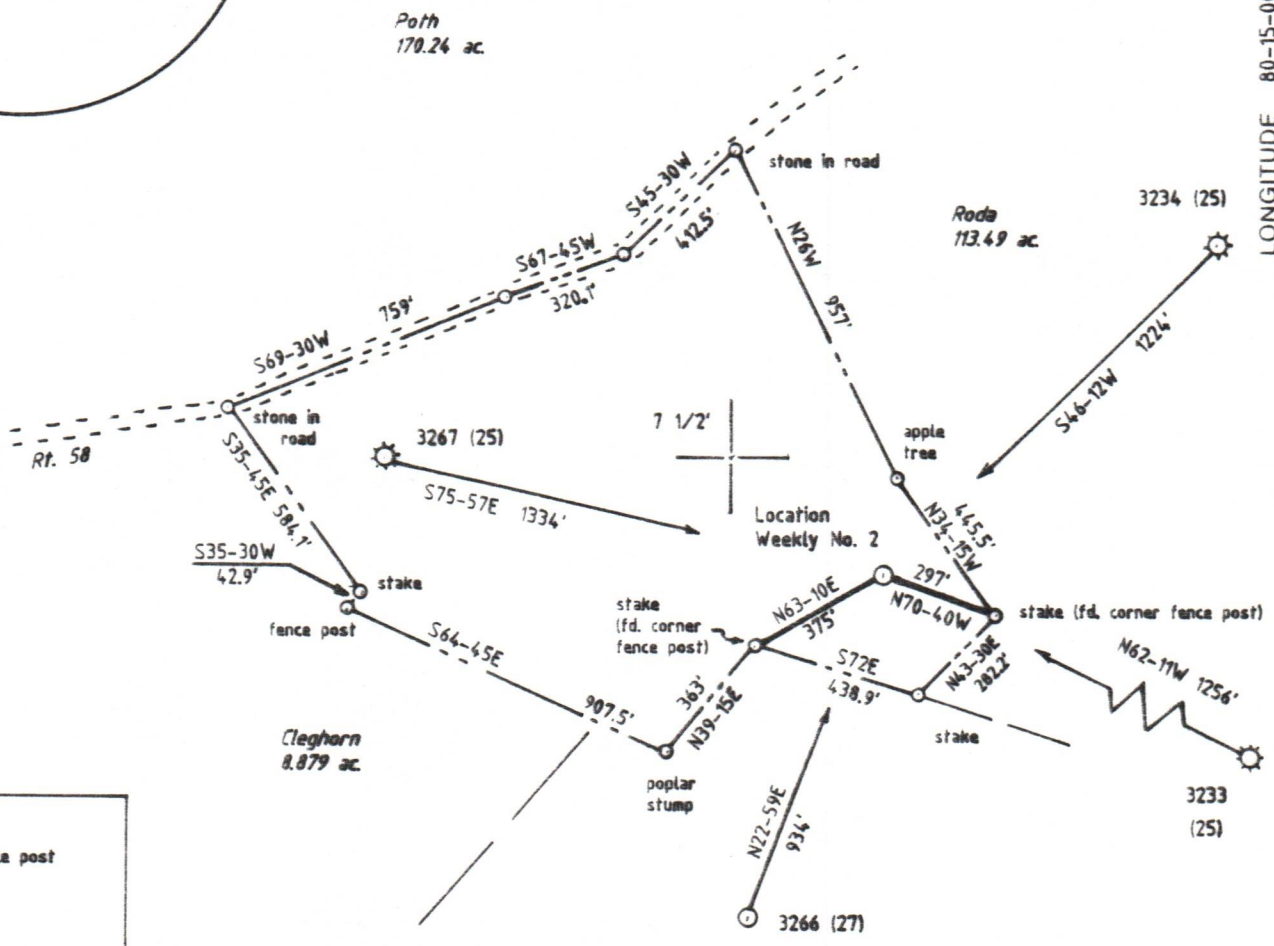
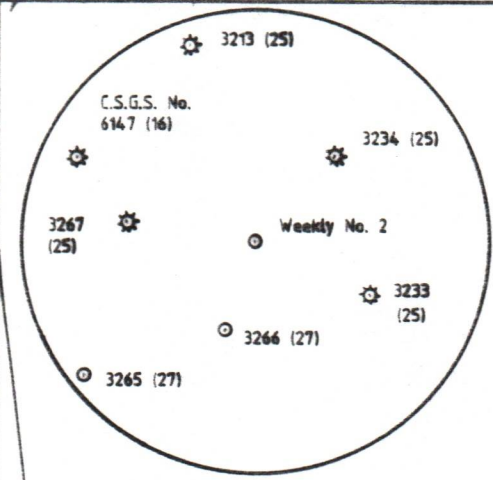
Deborah Alessio
Notary Public

MN 12-13-85

5730

LATITUDE 39-17-30 N

LONGITUDE 81-00-00 W



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

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Hilltop 3800' NW of
Location: elev. 1554

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) David L. Jackson
 R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE December 11, 19 85
 OPERATOR'S WELL NO. Weekly No. 2
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1356 WATERSHED Ann Moore Run
 DISTRICT Simpson COUNTY Harrison
 QUADRANGLE Clarksburg 7 1/2'
 SURFACE OWNER Icie B. Weekly ACREAGE 35.6
 OIL & GAS ROYALTY OWNER Icie B. Weekly LEASE ACREAGE 35.6
 LEASE NO. 379600

PROPOSED WORK: DRILL X 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 Steven Williams
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

FORM IV-6 (8-78) H.T. HALL

COUNTY NAME PERMIT