



1) Date: March 28, 19 84
 2) Operator's Well No. 683
 3) API Well No. 47 - 001 - 2039
 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 X / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1654.50 Watershed: Jones Run
 District: Cove County: Barbour Quadrangle: Thornton 7.5' (1976)
- 6) WELL OPERATOR CNG Development Company
 Address c/o Paul Garrett, P.O. Box 15746
Pittsburgh, PA 15244
- 7) DESIGNATED AGENT Mr. Gary Nicholas
 Address Crosswind Corporate Park
Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Mr. Phillip Tracy
 Address Forest Festival Terrace, Apt. 24
Elkins, WV 26241
- 9) DRILLING CONTRACTOR:
 Name Sam Jack Drilling Company
 Address P. O. Box 48
Buckhannon, WV 26201
- 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, Haverty
 12) Estimated depth of completed well, 5480 feet
 13) Approximate strata depths: Fresh, 325, 585, 840 feet; salt, _____ feet.
 14) Approximate coal seam depths: 145-49, 320-24, 500-04 coal being mined in the area? Yes _____
- 15) CASING AND TUBING PROGRAM 650-55

RECEIVED
 APR 4 - 1984
 OIL & GAS DIVISION
 No. X
DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor								Kinds
Fresh water	11-3/4	H-40	42	X		40	40	To surface By Rule 15.05
Coal								Sizes
Intermediate	8-5/8	X-42	23	X		900	900	To surface By Rule 15.05
Production	4-1/2	J-55	10.5	X		5480	5480	200-400 sks Depths set Rule 15.01
Tubing	1-1/2	CN-55	2.75	X				
Liners								Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-001-2039 Date April 24 1984

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 _____ unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>lp</u>	Plat: <u>mm</u>	Casing: <u>mt</u>	Fee: <u>001-632</u>
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Margaret J. Hesse
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) WELL LOCATION: District _____ County _____

2) WELL OPERATOR: Name _____ Address _____

3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name _____ Address _____

4) PROPOSED WELL WORK: Drill deeper _____ Plug old old formation _____ Other physical change in well (specify) _____

5) DRILLING CONTRACTOR: Name _____ Address _____

6) DESIGNATED AGENT: Name _____ Address _____

7) ESTIMATED DEPTH OF COMPLETED WELL: _____ feet

8) APPROXIMATE DEPTH OF COMPLETED WELL: _____ feet

9) APPROXIMATE DEPTH OF COAL BEING MINED IN THE AREA: Yes _____ No _____

10) GEOLOGICAL TARGET FORMATION: _____

11) APPROXIMATE DEPTH OF COAL BEING MINED IN THE AREA: Yes _____ No _____

12) GASSING AND THIRNO PROGRAM: _____

RECEIVED
APR 4 - 1984

OFFICE USE ONLY

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

Date	Date(s)
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Application received

Follow-up inspection(s)

Well work started

Completion of the drilling process

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason: _____

Reason: _____

Agent:	Dist:	Casing:	Rec:
_____	_____	_____	_____

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2) Operator's Well No. 683
3) API Well No. 47-001-2039
State County Permi

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 SEE ATTACHED LIST
Address Heirs of Clay Hardin,
Beryl Hardin, Power of Attorney
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Alderson Broaddus College
Address Philippi, WV 26416
OR
Name State Auditor Glen B. Gainor
Address Capitol Complex, W 212
Charleston, WV 25305
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.

RECEIVED
APR 4 - 1984

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.

OIL & GAS DIVISION
DEPT. OF MINES

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

James Frink
this 29 day of March, 1984.
My commission expires 5/25, 1987.

Yvonne T. Green
Notary Public, Allegheny County,
State of Pennsylvania

WELL OPERATOR CNG Development Company

By James Frink
Its Vice President, James Frink
Address P. O. Box 15746
Pittsburgh, PA 15244
Telephone 412-787-3550

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

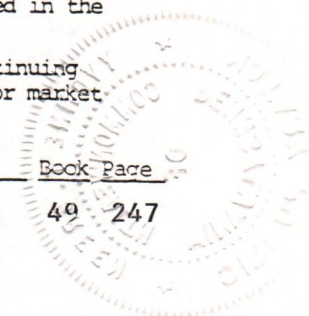
INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Clay Hardin, et ux	Consolidated Gas Supply Corporation	1/8	49 247





1) Date: March 28, 19 84
 2) Operator's Well No. 683
 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 /
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- 5) LOCATION: Elevation: 1654.50 Watershed: Jones Run
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 Address Crosswind Corporate Park
Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Mr. Phillip Tracy
 Address Forest Festival Terrace, Apt. 24
Elkins, WV 26241
- 9) DRILLING CONTRACTOR:
 Name Sam Jack Drilling Company
 Address P. O. Box 48
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
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- 15) CASING AND TUBING PROGRAM 650-55

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									Kinds
Fresh water	11-3/4	H-40	42	X		40	40	To surface	By Rule 15.05
Coal									Sizes
Intermediate	8-5/8	X-42	23	X		900	900	To surface	By Rule 15.05
Production	4-1/2	J-55	10.5	X		5480	5480	200-400 sks	Depths set Rule 15.01
Tubing	1-1/2	CN-55	2.75	X					
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 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.)

(For execution by natural persons)

NAME: _____

Mildred H. Wolf
 (Signature)

Date: 4-14-84

By _____

Its _____ Date _____

(Signature) _____ Date: _____

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

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

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

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

Where to file comments and obtain additional information:

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

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

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of objection" to any of the planned work described in these materials, then the permit may be issued at any time.

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

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

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

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

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

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



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CASING OR TUBING TYPE	Size	Grade	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
			Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>1-3/4</u>	<u>H-40</u>	<u>42</u>	<u>X</u>		<u>40</u>	<u>40</u>	<u>To Surface</u>	<u>By Rule 15.05</u>
Coal									Sizes
Intermediate	<u>2-5/8</u>	<u>X-42</u>	<u>25</u>	<u>X</u>		<u>900</u>	<u>900</u>	<u>To Surface</u>	<u>By Rule 15.05</u>
Production	<u>4-1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5480</u>	<u>5480</u>	<u>100-400 sks</u>	<u>Depths set Rule 15.01</u>
Tubing	<u>1-1/2</u>	<u>CR-55</u>	<u>2.75</u>	<u>X</u>					
Liners									Perforations: Top _____ Bottom _____

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(For execution by corporation, partnership, etc.)

NAME: _____

By _____

Its _____ Date _____

(For execution by natural persons)

Beryl Hardin
 (Signature)

Date: 4-23-84

(Signature)

Date: _____

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

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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:

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West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
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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.

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April 3, 1984

CNGD Well No. 683
Clay Hardin
Barbour County, WV

Corrected addresses of Surface Owners

Beryl Hardin
Box 40, Route 1
Moatsville, WV 26405

Andrew Hardin
18 Armour Court
Baltimore, MD 21220

Mildred Wolf ✓
P. O. Box 844
Lake Montezuma, AZ 86342

Norma Hardin
418 West Main Street
Grafton, WV 26354

Ruth Hardin
1201 Middle Way Road
Apt. 3 A
Baltimore, MD 21220

Joan Sayres
Box 217
Wardensville, WV 26851

Meryl Miller ✓
Box 252, Route 1
Moatsville, WV 26405

RECEIVED

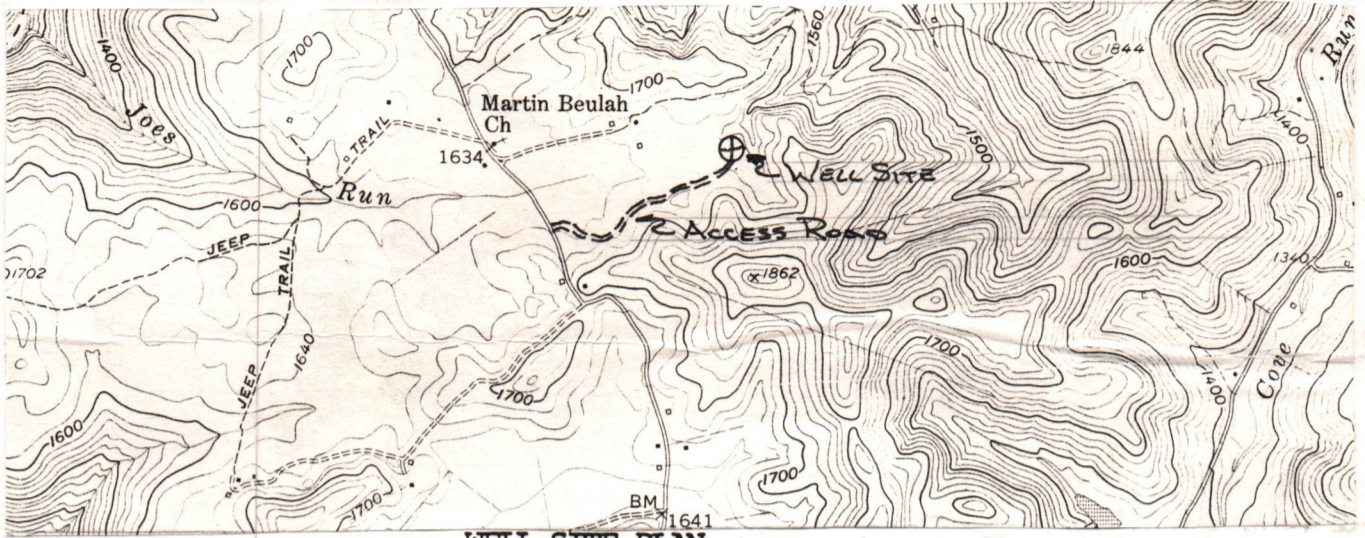
APR 6 - 1934
OIL & GAS DIVISION
DEPT. OF MINES

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Thornton 7.5' (1976)

LEGEND

Well Site ⊕

Access Road ———



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ———

Road = = = = =

Existing fence — x — x —

Planned fence — / — / —

Stream ~ ~ ~ ~ ~

Open ditch — ···· — ···· — ···· —

Diversion ———

Spring ⊕ →

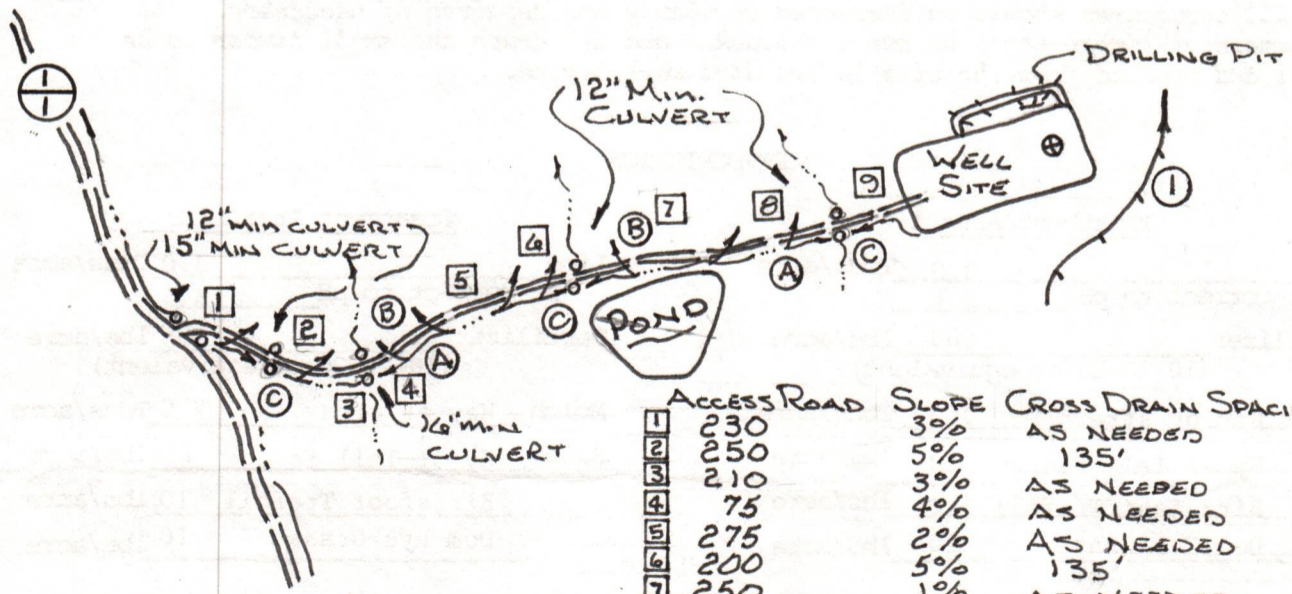
Wet spot ⊕

Building ■

Drain pipe — ○ — ○ — ○ —

Waterway ← = = = = =

Recommend topsail to be stockpiled

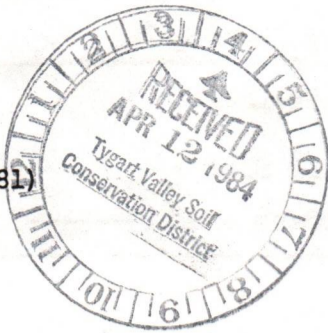


	ACCESS ROAD	SLOPE	CROSS DRAIN SPACING
1	230	3%	AS NEEDED
2	250	5%	135'
3	210	3%	AS NEEDED
4	75	4%	AS NEEDED
5	275	2%	AS NEEDED
6	200	5%	135'
7	250	1%	AS NEEDED
8	400	10%	400
9	170	1%	AS NEEDED

2060' TOTAL ACCESS ROAD

Comments: Access to the well site will be gained by constructing approximately 2060 feet of new access road, beginning at a junction point in the Barbour County Route 1/1. The access road will be sloped at 2-3% towards the open ditch. All outlets of drainage structures and ditches will be to stable areas. The well location will be located in a flat cleared area. All brush and timber will be removed from the area to be disturbed prior to any earth moving activities. The road and well site will be brought to desired grade with erosion control structures being installed in conjunction with the grading. Natural vegetation (filter strip) will remain undisturbed in areas between construction and natural water courses.

IV-9
(Rev 8-81)



DATE April 11, 1984
WELL NO. CNGD 683 Rev.
API NO. 47 - 001 - 2039

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CNG Development Company DESIGNATED AGENT Gary A. Nicholas
One Park Ridge Center Crosswind Corporate Park
Address Pittsburgh, PA 15244 Address Bridgeport, WV 26330
Telephone 412-429-2390 Telephone 304-623-8134
LANDOWNER Clay Hardin SOIL CONS. DISTRICT Tygart's Valley
Revegetation to be carried out by Gary A. Nicholas (Agent)

This plan has been reviewed by Tygart's Valley SCD. All corrections and additions become a part of this plan: 4/15/84 (Date)

I, the land owner have viewed and approved this Revised Reclamation Plan to be effected with the Application Permit

Jean Freeman
(SCD Agent)

SIGNATURE	ACCESS ROAD	DATE	LOCATION
	Structure <u>Drainage Ditch</u> (A) Along access road		Structure <u>Diversion Ditch</u> (1)
	Spacing <u>Inside road cuts</u>		Material <u>Earth</u>
	Page Ref. Manual <u>2-12 to 2-15</u>		Page Ref. Manual <u>2-12 to 2-15</u>
	Structure <u>Cross Drains</u> (B)		Structure _____ (2)
	Spacing <u>As noted on sketch</u>		Material _____
	Page Ref. Manual <u>2-1 to 2-6</u>		Page Ref. Manual _____
	Structure <u>Culverts</u> (C)		Structure _____ (3)
	Spacing <u>As noted on sketch</u>		Material _____
	Page Ref. Manual <u>2-7 to 2-11</u>		Page Ref. Manual _____

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APR 24 1984
OIL & GAS DIVISION
DEPT. OF MINES

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

Treatment Area I

Lime	<u>3.0</u> Tons/acre
or correct to pH	<u>6.5</u>
Fertilizer	<u>600</u> lbs/acre
	(10-20-20 or equivalent)
Mulch	<u>Hay or straw 2.0</u> Tons/acre
Seed*	<u>Ky 31 Tall Fescue 40</u> lbs/acre
	<u>Birdsfoot Trefoil 10</u> lbs/acre
	<u>Dom Rye Grass 10</u> lbs/acre

Treatment Area II

Lime	<u>3.0</u> Tons/acre
or correct to pH	<u>6.5</u>
Fertilizer	<u>600</u> lbs/acre
	(10-20-20 or equivalent)
Mulch	<u>Hay or straw 2.0</u> Tons/acre
Seed*	<u>Ky 31 Tall Fescue 40</u> lbs/acre
	<u>Birdsfoot Trefoil 10</u> lbs/acre
	<u>Dom Rye Grass 10</u> lbs/acre

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

PLAN PREPARED BY MSES Consultants

ADDRESS 609 West Main Street
Clarksburg, WV 26301
PHONE NO. 304-624-9700, 842-3325

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

Phillippi, West Virginia 26416 (304) 457-1700

Alderson-Broadus College



April 16, 1984

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APR 23 1984

OIL & GAS DIVISION
DEPT. OF MINES

Mr. Paul W. Garrett

GNG Development Company

P.O. Box 15746

Pittsburgh, Pennsylvania 15244

RE: API Well No. 47

Dear Mr. Garrett:

Alderson-Broadus College, Inc. is the owner of the coal underlying the well to be drilled as referenced above. We have examined the location and are returning to you the executed form IV-2(B).

Yours truly,

L. Lobello

Business Manager

LLB/lk

enclosure

P 691 307 604

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Mr. Richard L. Keene
Street and No.	Route 3, Box 189
P.O. State and ZIP Code	Phillipi, WV 26416
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.29
Postmark or Date	

* U.S.G.P.O. 1983-403-517 PS Form 3800, Feb. 1982



RECEIVED
 APR 2 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

P 691 307 603

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Hillman Coal Company
Street and No.	1900 Grant Building
P.O. State and ZIP Code	Pittsburgh, PA 15219
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.89
Postmark or Date	

* U.S.G.P.O. 1983-403-517 PS Form 3800, Feb. 1982



P 691 307 602

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Republic Steel Corp. Box
Street and No.	455 Race Track Rd. 500
P.O. State and ZIP Code	Meadow Lands, PA 15347
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.89
Postmark or Date	

* U.S.G.P.O. 1983-403-517 PS Form 3800, Feb. 1982



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RECEIVED
DEPT. OF MINES
OF THE DISTRICT

Postmark or Date	
TOTAL Postage and Fees \$ 1.89	
Return receipt showing to whom, Date, and Address of Delivery	
Return Receipt Showing to whom and Date Delivered	
Restricted Delivery Fee	
Special Delivery Fee	
Certified Fee	
Postage \$	
P.O. State and ZIP Code Graton, WV 26354	
Street and No. 418 West Main Street	
Sent to Ms. Norma Hardin	

RECEIPT FOR CERTIFIED MAIL
 NOT FOR INTERNATIONAL MAIL
 NO INSURANCE COVERAGE PROVIDED

P 691 307 477

Postmark or Date	
TOTAL Postage and Fees \$ 1.89	
Return receipt showing to whom, Date, and Address of Delivery	
Return Receipt Showing to whom and Date Delivered	
Restricted Delivery Fee	
Special Delivery Fee	
Certified Fee	
Postage \$	
P.O. State and ZIP Code Baltimore, MD 21220	
Street and No. 28 Compass Road East	
Sent to Mrs. Ruth Hardin	

RECEIPT FOR CERTIFIED MAIL
 NOT FOR INTERNATIONAL MAIL
 NO INSURANCE COVERAGE PROVIDED

P 691 307 476

Postmark or Date	
TOTAL Postage and Fees \$ 1.89	
Return receipt showing to whom, Date, and Address of Delivery	
Return Receipt Showing to whom and Date Delivered	
Restricted Delivery Fee	
Special Delivery Fee	
Certified Fee	
Postage \$	
P.O. State and ZIP Code Wadensville, WV 26851	
Street and No.	
Sent to Ms. Joan Sayers	

RECEIPT FOR CERTIFIED MAIL
 NOT FOR INTERNATIONAL MAIL
 NO INSURANCE COVERAGE PROVIDED

P 691 307 475

Postmark or Date	
TOTAL Postage and Fees \$ 1.89	
Return receipt showing to whom, Date, and Address of Delivery	
Return Receipt Showing to whom and Date Delivered	
Restricted Delivery Fee	
Special Delivery Fee	
Certified Fee	
Postage \$	
P.O. State and ZIP Code Moatsville, WV 26405	
Street and No. Route 1	
Sent to Ms. Beryl Hardin	

RECEIPT FOR CERTIFIED MAIL
 NOT FOR INTERNATIONAL MAIL
 NO INSURANCE COVERAGE PROVIDED

P 691 307 474

Postmark or Date	
TOTAL Postage and Fees \$ 1.00	
Return receipt showing to whom, Date, and Address of Delivery	
Return Receipt Showing to whom and Date Delivered	
Restricted Delivery Fee	
Special Delivery Fee	
Certified Fee	
Postage \$	
P.O. State and ZIP Code Baltimore, MD 21220	
Street and No. 19 Armor Court	
Sent to Mr. Andrew Hardin	

RECEIPT FOR CERTIFIED MAIL
 NOT FOR INTERNATIONAL MAIL
 NO INSURANCE COVERAGE PROVIDED

P 691 307 473

Postmark or Date	
TOTAL Postage and Fees \$ 1.89	
Return receipt showing to whom, Date, and Address of Delivery	
Return Receipt Showing to whom and Date Delivered	
Restricted Delivery Fee	
Special Delivery Fee	
Certified Fee	
Postage \$	
P.O. State and ZIP Code Buckeye, AZ 85326	
Street and No. Box 126	
Sent to Ms. Mildred Wolf	

RECEIPT FOR CERTIFIED MAIL
 NOT FOR INTERNATIONAL MAIL
 NO INSURANCE COVERAGE PROVIDED

P 691 307 472



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

RECEIVED
MAY 2 - 1984

INSPECTOR'S WELL REPORT
OIL & GAS DIVISION
DEPT. OF MINES

Permit No 001-2039

Oil or Gas Well _____
(KIND)

Company C. N. A.

Address _____

Farm _____

Well No. _____

District _____ County Barbour

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 _____
8 1/4			
6 5/8			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 _____

Remarks: Moved rig

4-27-84
DATE

[Signature]
DISTRICT WELL INSPECTOR

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

RECEIVED

MAY 9 - 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well
(KIND)

Permit No. 001-2039

Company C.M.G. Development Co.

Address _____

Farm Clay Hardin

Well No. 683

District Cove County Barbour

Drilling commenced _____

Drilling completed _____ Total depth 950

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

Drillers' Names _____

Remarks: _____

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer
16			
13			
10			Size of
8 1/4	<u>905</u>	<u>905</u>	<u>220 Skent.</u>
6 5/8			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

4-30-84

DATE

Philip Tracy

DISTRICT WELL INSPECTOR

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

RECEIVED

JUN 27 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 001-2039

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>CMLG</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>HARDIN</u>	13			
Well No. <u>683</u>	10			Size of _____
District _____ County <u>001</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

*Pit Area NOT usable for
AGRICULTURAL purposes*

6/25/84

DATE

R G Reese

DISTRICT WELL INSPECTOR



RECEIVED

MAR 11 1985

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

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
June 13, 1984

COMPANY CNG Development Company

PERMIT NO 001-2039

P. O. Box 15746

FARM & WELL NO Beryl Hardin #683

Pittsburgh, Pennsylvania 15275

DIST. & COUNTY Cove/Barbour

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.04	Prepared before Drilling to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.03	Adequate Fresh Water Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.02	Adequate Coal Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.01	Adequate Production Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.04	Adequate Cement Strenght	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.05	Cement Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.07	Requirements for Production & Gathering Pipelines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Well Records on Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.02	Well Records Filed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

SIGNED *Donald B. Ellis*

DATE 3-5-85

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

T.H. ...
Administrator-Oil & Gas Division

March 12, 1985

DATE

**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 - 001 - 02039 -			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	102 Section of NGPA	2 Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	CNG Development Company Name One Park Ridge Center Seller Code P. O. Box 15746 <hr/> Street Pittsburgh PA 15244 <hr/> City State Zip Code			
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Cove Dist. Field Name Barbour 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.)	Hardin CNGD #683			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	undetermined			
(b) Date of the contract:	_____ Mo. Day Yr.			
(c) Estimated total annual production from the well:	12 Million Cubic Feet			
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	(a) Base Price _____	(b) Tax _____	(c) All Other Prices [Indicate (+) or (-).] _____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	3.730	_____	_____
9.0 Person responsible for this application:	R. N. Metzler Name _____ Title Mgr. Reserves Signature <i>R. N. Metzler</i> Date Application is Completed 7-14-84 Phone Number 412/787-4092			

Agency Use Only
 Date Received by Juris. Agency
JUL 26 1984
 Date Received by FERC