



1) Date: September 26, 1984  
 2) Operator's Well No. 1342  
 3) API Well No. 47 013 3826  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /)
- 5) LOCATION: Elevation: 1193' Watershed: Bear Run  
 District: Washington County: Calhoun Quadrangle: Millstone, WV 1965
- 6) WELL OPERATOR CNG Development Company 7) DESIGNATED AGENT Mr. Gary Nicholas  
 Address c/o Paul W. Garrett, P.O. Box 15746 Address Crosswind Corporate Park  
Pittsburgh, PA 15244 Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Mr. Deo Mace Name Sam Jack Drilling Company  
 Address Route 1, Box 5 Address P. O. Box 48  
Sandridge, WV 25274 Buckhannon, WV 26201
- 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, Devonian Shale
- 12) Estimated depth of completed well, 5800' feet  
 13) Approximate trata depths: Fresh, 460 feet; salt, -  
 14) Approximate coal seam depths: - Is coal being mined in the area? Yes  No

RECEIVED  
 OCT 0 1984  
 DEPT. OF MINES  
 OIL & GAS DIVISION

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									Kinds
Fresh water	11-3/4	H-40	42	X		390' 40'	380' 40'	To surface	By Rule 15.05
Coal									Sizes
Intermediate	8-5/8	X-42	23	X		2500	2500	To surface	By Rule 15.05
Production	4-1/2	J-55	10.5	X		5800	5800	200-400 sks	Depths set
Tubing	1-1/2	CN-55	2.75	X					By Rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 013-3826 Date November 14 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 November 14, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
28	TS	TS	TS	3988

*[Signature]*

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 IDENTIFICATION  
 a. WELL OPERATOR: CNG Development Company  
 b. WELL LOCATION: Devonian State  
 c. WELL DEPTH: 4800  
 d. WELL TYPE: 48" X 42" X 23"  
 e. WELL STATUS: 4-1/2 5-55 10.5  
 f. WELL NUMBER: 1-1/2 W-35 2.15

2. PROPOSED WELL WORK  
 a. PROPOSED WELL WORK: Drilling  
 b. PROPOSED WELL WORK: Drilling  
 c. PROPOSED WELL WORK: Drilling

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

OFFICE USE ONLY

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

	Date	Date(s)
Application received		
Well work started	November 14	013-3836
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_

05/10/2024



IV-9  
(Rev 8-81)



DATE August 13, 1984  
WELL NO. CNGD-1342  
API NO. 47 - 013 - 3826

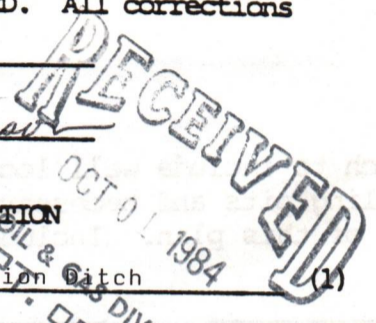
State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CNG Development Company  
Address One Park Ridge Center Pittsburgh, PA 15244  
Telephone (412) 429-2390  
DESIGNATED AGENT Gary A. Nicholas  
Address Crosswind Corporate Park Bridgeport, WV 26330  
Telephone (304) 623-8840  
LANDOWNER Harrison McCumbers, et al  
SOIL CONS. DISTRICT Little Kanawha  
Revegetation to be carried out by Gary A. Nicholas (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan:

8/21/84  
Date  
Ronald L. Atkinson  
(SCD Agent)



ACCESS ROAD

Structure Steel Road Culvert (A)  
Spacing As shown on sketch  
Page Ref. Manual 2-7 to 2-11  
Structure Drainage Ditch (B)  
Spacing Along access road Inside road cuts  
Page Ref. Manual 2-12 to 2-15  
Structure Cross Drains (C)  
Spacing As shown on sketch  
Page Ref. Manual 2-1 to 2-4

LOCATION  
Structure Diversion Ditch (1)  
Material Earth  
Page Ref. Manual 2-12 to 2-15  
Structure Rip Rap (2)  
Material Rock  
Page Ref. Manual N/A  
Structure Sediment Barrier (3)  
Material Hay or straw bales  
Page Ref. Manual 2-16 to 2-20

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 according to soil test to correct to pH 6.5  
Fertilizer 600 lbs/acre (10-20-20 or equivalent)  
Mulch Hay or Straw 2.0 Tons/acre  
Seed\* Ky 31 Tall Fescue 40 lbs/acre  
Birdsfoot Trefoil 10 lbs/acre  
Dom Rye Grass 10 lbs/acre

Treatment Area II

Lime according to soil test to correct to pH 6.5  
Fertilizer 600 lbs/acre (10-20-20 or equivalent)  
Mulch Hay or Straw 2.0 Tons/acre  
Seed\* Ky 31 Tall Fescue 40 lbs/acre  
Birdsfoot Trefoil 10 lbs/acre  
Dom Rye Grass 10 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, Inc. JSB -  
05/10/2024

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

ADDRESS 609 West Main Street  
Clarksburg, WV 26301  
PHONE NO. 304-624-9700 or  
304-842-3325 (24-hour)







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 Coastal Lumber Company  
Address P. O. Box 829

or Weldon, NC 27890

(ii) Name Harrison McCumbers, etal (97 Acres)  
Address Orma, WV 25268

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR

Address \_\_\_\_\_

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD

Name Hunter M. Bennett, Jr., Trustee/

Address P.O. Box 166 Agent

Weston, WV 26452

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

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

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

6) EXTRACTION RIGHTS

Check and provide one of the following:

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

7) ROYALTY PROVISIONS

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

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

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

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Paul W. Garrett  
this 26 day of September, 1984.

My commission expires 2-25, 1986.

William A. Draney  
Notary Public, Allegheny County,  
State of Pennsylvania

WELL

OPERATOR CNG Development Company

By Paul W. Garrett  
Its Manager, Well Programs

Address P. O. Box 15746

Pittsburgh, PA 15244

Telephone 412-787-4090

05/10/2024



INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

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

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

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

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

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

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

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

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

	<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
10/25/15	Louis Bennett, et al	Hope Natural Gas Company	Oil-1/8 Gas-\$75 Qr.	56	246
1/1/77	(Modified) to	Consolidated Gas Supply Corporation	1/8	69	584
1/1/84	to	Consolidated Gas Transmission Corporation	1/8	88	31





DATE: September 26, 1984  
OPERATOR'S  
WELL NO.: 1342

API NO: 47 - 013 - 382  
State County Perm

State of West Virginia

OFFICE OF OIL AND GAS  
DEPARTMENT OF MINES

A F F I D A V I T

RECEIVED  
OCT 9 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

State of Pennsylvania

County of Allegheny

I, Paul W. Garrett (the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that (he, she, or it) shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(e) (1982).

Signed: Paul W. Garrett

Taken, Subscribed, and sworn to before me this 26<sup>th</sup> day of September, 1984.

Notary: William H. Broney

My Commission Expires: February 25, 1986





OFFICE OF THE ATTORNEY GENERAL  
DEPARTMENT OF REVENUE

RECEIVED  
DEPT. OF MINES  
OIL & GAS DIVISION

Pennsylvania

Harrisburg

John W. ...

*[Faint handwritten signatures and text]*





DAILY DRILLING REPORT

FOR CNG DEVELOPMENT COMPANY WELL NO. 1342

Bennett Heirs #2 ..... Calhoun County ..... Wash. Dist ...WV

- 7/5/85 - Frac Today - Perfco perforated Elk with .39" Select Fire at;  
5535, 5534, 5533, 5532, 5520, 5518, 5516, 5497, 5496, 5492,  
5491, 5486, 5485, 5480, 5477, 5475, 5472, 5471, 5421, 5420,  
5413, 5407, 5405, 5391, 5389 - Total 25 holes.  
B. J. Tital N<sub>2</sub> gas frac - Break 3,740 psi, Break rate 64,000 SCF/M,  
Avg Tr.Pres. 4,020 psi, Max.Tr.Pres. 4,080 psi, Avg Rate 75,000 SCF/M,  
Total Nitrogen 800,000 SCF, ISIP 2980 psi, 5 min SIP 2560 psi,  
Break down acid 500 gal, 15% HCL.
- Perfco perforated Devonian Shale with .39" HFC from 5156 - 5176, 30 holes,  
Set Baker Retrievable 4-1/2" Bridge Plug @ 5215' with 2220 psi  
underneath plug.  
B. J. Titan N<sub>2</sub> gas frac - Break 4,000 psi, Break Rate 20,000 SCF/M,  
Avg. Tr. Pres. 3900 psi, Max Tr. Pres. 4,000 psi\*, Avg Rate 43,000 SCF/M,  
Total Nit. 800,000 SCF, ISIP 2900 psi, 5 min SIP 2420 psi, Acid Break  
down 500 gal 15% HCL (\*This stage treated very high at low rate  
initially (20,000 SCF/M) It gradually broke back and allowed  
B.J. Titan to pick up rate to 60,000 SCF/M)
- Perfco retrieved 4-1/2" Baker Bridge Plug. Opened well up into tank on  
16/64 choke 2000# pres. - 2:30 p.m. 7/5/85
- 7/29/85 - Perfco perf. Devonian Shale 4643, 41, 39, 37, 34, 32, 30, 28, 26, 19, 17,  
15, 45, 72, 70, 68, 66, 64, 62, 60, 58, 56, 06, 04, 02, 4500, 4498. 26  
hole, .39" Select Fire, Set Baker Bridge Plug @ 4700'.  
B. J. Titan Nitrogen gas frac - Break 4000 psi, Break Rate 40,000 SCFM,  
Ave. Tr. Pr. 3160 psi, Max. Tr. Pr. 3180 psi, Ave. Rate 72,000 SCFM,  
Total Nit. 800,000 SCF, ISIP 2340, 5 Min. 2060 psi, 500 gal 15%; Perfco  
Retrieved Plug then Perf Dev. Shale 4367, 65, 52, 50, 34, 33, 31, 19, 17,  
08, 07, 06, 4298, 97, 96, 84, 82, 73, 71, 60, 58, 56; 22 Hole; .39"  
Select Fire; Set Bridge Plug @ 4420'.  
B. J. Titan - Nitrogen Gas Frac - Break 3800 psi, Break Rate 40,000 SCFM,  
Ave. Tr. Pr. 2750, Max Tr. Pr. 3000 psi, Ave. Rate 80,000 SCFM, Total Nit.  
800,000 SCF, ISIP 1760, 5 Min. 1620, 500 gal 15% HCL.  
Perfco - Retrieved Plug, then Perf. Dev. Shale 3731, 30, 29, 23, 22, 21, 20,  
19, 17, 14, 12, 10, 08, 06, 04, 02, 3700, 3698, 95, 93, 92; 21 Holes; .39"  
Select Fire; Set Baker Bridge Plug @ 3770'.
- 7/29/85 - B. J. Titan Nitrogen Gas Frac - Break 2950 psi, Break Rate 800,000 SCFM,  
Ave. Tr. Pr. 2620 psi, Max Tr. Pr. 2700 psi, Ave. Rate 80,000 SCFM, Total  
Nitrogen 800,000 SCF, ISIP 1340, 5 Min. 1080, 500 gal 15% HCL; Perfco  
Retrieved Baker Bridge Plug.
- 8/22/85 - Single Stage Frac - 5th Sand (Foam Frac)  
Allegheny Nuclear Perf. 5th Sand from 3214 - 20, 20 holes, .39" dia.  
Set Plug. Drillable Frac Plug @ 3280'  
Halliburton 75Q Foam Frac 5th Sand, Break 2100 psi, Break Rate 24 BPM foam,  
Ave. Tr. Pres. 1900 psi, Max Tr. Pres \*3600 psi, Ave Rate 16 BPM,  
20/40 Sand = 34,000#, Max Sand Conc. = 3 #/gal (lost 60 bbl)  
Approx. 550 bbl Total Fluid, Approx. 420 bbl S. L. Fluid,  
N<sub>2</sub> 315,000 SCF, Prejob ISIP w/foam 1500 psi, post job ISIP w/25 bbl foam,  
25 bbl water = 750 psi, postjob 5 min SIP = 650 psi, BHTP approx. 2000 psi,
- \*Lost Nitrogen Truck & Screened well off, Flowed well back for 1 hour  
and started over  
All information on 5th Sand Frac pertains to after the screen-off  
except for Break Down Press., Max Tr. Pr., & ISIP (prejob)
- 8/23/85 - 24hr pressure 400#  
Open Flow Test 13/10 thru 4" W = 605 Mcf.

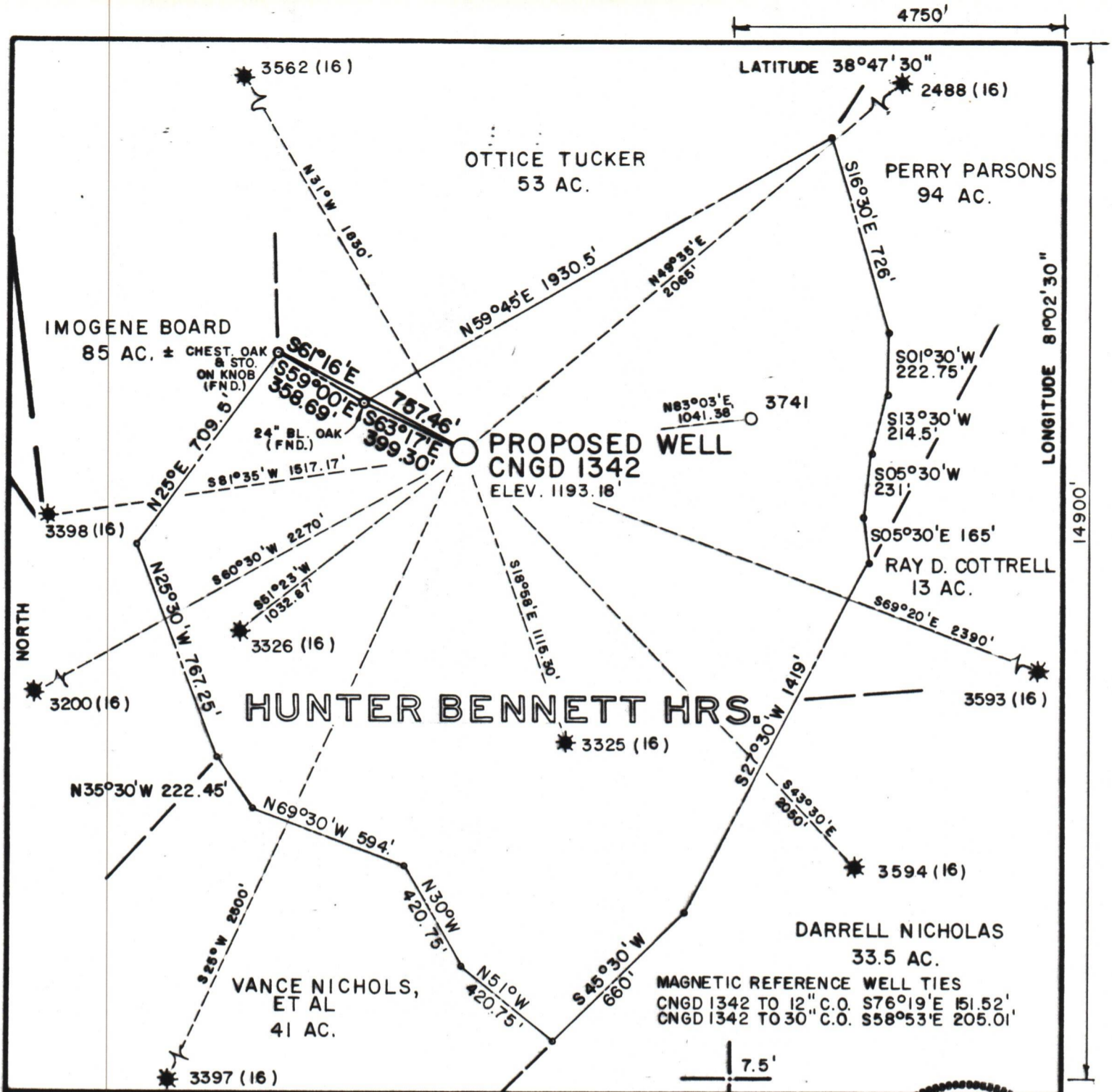
CAL 3826

05/10/2024



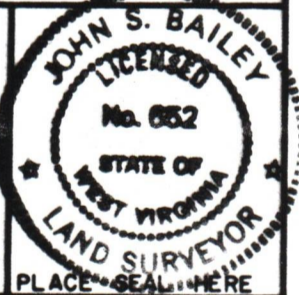






FILE NO. MSES 84-477  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION BM INT. RT. II & RT. II/2  
ELEV. 784.

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) John S. Bailey  
 R.P.E. \_\_\_\_\_ L.L.S. 652



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

FORM IV-6 (8-78)

DATE AUGUST 23 1984  
 OPERATOR'S WELL NO. CNGD 1342  
 API WELL NO. 47-013 - 3826  
 STATE COUNTY PERMIT

Department of Mines  
 Oil & Gas Division

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

LOCATION: ELEVATION 1193.18' WATER SHED BEAR RUN  
 DISTRICT WASHINGTON COUNTY CALHOUN  
 QUADRANGLE MILLSTONE, W V 1965

SURFACE OWNER HARRISON McCUMBERS, ET AL ACREAGE 97.12  
 OIL & GAS ROYALTY OWNER HUNTER BENNETT HEIRS LEASE NO. 28170 LEASE ACREAGE 19.500

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 DEVONIAN SHALE ESTIMATED DEPTH 5800'  
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
 ADDRESS ONE PARK RIDGE ADDRESS RT. 2 BOX 698  
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330







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

SEE PAGE ATTACHED

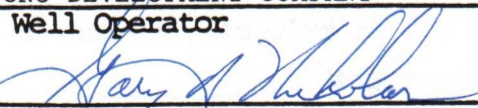
WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand, Shale & RR			0	2204	Hole Damp @ 948
Little Lime			2204	2242	
Sand, Shale			2242	2252	
Big Injun			2252	2345	
Injun			2345	2435	
Sand, Shale & RR			2435	3420	
Warren			3420	3465	
Shale			3465	4810	
Benson			4810	4820	
Sand & Shale			4820	5936	
<u>LOG TOPS</u>					
Big Injun				2436	
Weir			2598	2707	
Sunbury Shale			2707	2728	
Berea			2728	2742	
50'			2785	2840	
Gordon Stray			2924	2996	
Gordon			3002	3079	
4th			3116	3155	
5th			3186	3230	
Warren			3670	3738	
Speechley			3983	4024	
Balltown			4280	4300	
Bradford			4795	4812	
Alexander			5460	5546	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By: 

05/10/2024

Date: Aug. 30, 1985

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."











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

RECEIVED  
DEPARTMENT OF ENERGY  
OIL AND GAS

INSPECTOR'S WELL REPORT

JUN 17 1986

Permit No. 13-3826

11-14-84

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>C.N. G.O.</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>Hunter Bennett</u>	13			
Well No. <u>1342</u>	10			Size of _____
District <u>Wash.</u> County <u>Cal</u>	8 3/4			
Drilling commenced _____	6 3/4			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:

Release Reclamation

5-31-86

DATE

Des Males

05/10/2024  
DISTRICT WELL INSPECTOR







**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 - 013 - 03826 -													
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA		Category Code											
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5,535 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 P. O. Box 15746		Seller Code											
	Pittsburgh PA 15244		City State Zip Code											
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells:	Washington District Field Name Calhoun WV County State													
	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.)	H. Bennett Hrs.		CNGD #1342											
(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 Name													
(b) Date of the contract:	Mo. Day Yr.													
(c) Estimated total annual production from the well:	22 Million Cubic Feet													
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]										
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	-----	-----										
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	6 . 0 6 2	-----	-----										
9.0 Person responsible for this application:	<table border="0" style="width:100%;"> <tr> <td style="width:60%;"></td> <td style="width:40%; text-align: right;">Manager Reserves</td> </tr> <tr> <td style="text-align: center;">Name</td> <td style="text-align: right;">Title</td> </tr> <tr> <td style="text-align: center;">Signature</td> <td style="text-align: right;">Date Application is Completed</td> </tr> <tr> <td style="text-align: center;">9/24/85</td> <td style="text-align: right;">412-787-4092</td> </tr> <tr> <td style="text-align: center;">Date Application is Completed</td> <td style="text-align: right;">Phone Number</td> </tr> </table>					Manager Reserves	Name	Title	Signature	Date Application is Completed	9/24/85	412-787-4092	Date Application is Completed	Phone Number
	Manager Reserves													
Name	Title													
Signature	Date Application is Completed													
9/24/85	412-787-4092													
Date Application is Completed	Phone Number													

Agency Use Only
Date Received by Juris. Agency <b>SEP 27 1985</b>
Date Received by FERC



APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
 PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)  
 (Sections 102, 103, 107 and 108)

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)
1			
2			
3			
4			
5			
6			

Remarks:



DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 9/24, 19 85

10110

AGENCY USE ONLY

Applicant's Name: CNG Development Company

Address: One Park Ridge Center  
P.O. Box 15746  
Pittsburgh, PA 15244  
Attn: Carl G. Mourovic

WELL DETERMINATION FILE NUMBER

850927-1030-013-3826

Use Above File Number on all  
Communications Relating to This Well

Gas Purchaser Contract No. N/A

Date of Contract N/A  
(Month, day and year)

First Purchaser: undetermined P 429

Address: (Street or P.O. Box)  
(City) (State) (Zip Code)

Designated Agent: Gary A. Nicholas  
CNG Development Company  
Address: Crosswind Corporate Park  
Route 2 Box 698  
Bridgeport, WV 26330

FERC Seller Code

FERC Buyer Code

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

Name: Robert N. Metzler  
(Print)

Manager of Reserves  
(Title)

Signature: [Handwritten Signature]

Address: One Park Ridge Center - P.O. Box 15746  
(Street or P.O. Box)  
Pittsburgh, PA 15244

Telephone: (412) 787-4092  
(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 Build

- 103 New Onshore Production Well
- XX 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  
05/10/2024

RECEIVED  
SEP 27 1985



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

Date September 24, 19 85  
Operator's  
Well No. CNGD #1342  
API Well No.  
47 - 013 - 03826  
State County Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL  
NGPA Section 103

DESIGNATED AGENT Gary A. Nicholas  
CNG Development Company  
ADDRESS Crosswind Corporate Park  
Route 2 Box 698  
Bridgeport, WV 26330

WELL OPERATOR CNG Development Company  
One Park Ridge Center  
ADDRESS P.O. Box 15746  
Pittsburgh, PA 15244

LOCATION: Elevation 1193'  
Watershed Bear Run  
District Washington County Calhoun Quad Millstor

GAS PURCHASER undetermined  
ADDRESS \_\_\_\_\_

Gas Purchase Contract No. N/A  
Meter Chart Code N/A  
Date of Contract N/A

\* \* \* \* \*

Date surface drilling was begun: June 16, 1985

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

BHP = 455#  
BHP =  $P_{-1} + P_{-1}$  (e GL 53.34 T-1)

AFFIDAVIT

I, Robert N. Metzler, 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 February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

R. N. Metzler  
R. N. Metzler  
Manager Reserves

Pennsylvania  
STATE OF ~~WEST VIRGINIA~~  
COUNTY OF Allegheny, TO WIT:

I, Carl G. Mourovic, a Notary Public in and for the state and county aforesaid, do certify that R. N. Metzler, whose name is signed to the writing above, bearing date the 24th day of September, 19 85, has acknowledged the same before me, in my county aforesaid. **05/10/2024**

Given under my hand and official seal this 24th day of September, 19 85.  
My term of office expires on the 10th day of December, 19 88.

[NOTARIAL SEAL]

Carl G. Mourovic  
Notary Public

CARL G. MOUROVIC, NOTARY PUBLIC  
PITTSBURGH, ALLEGHENY COUNTY, PA  
MY COMMISSION EXPIRES DECEMBER 10, 1988



**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 - 013 - 03826 -			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA	3 Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5,535 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 P. O. Box 15746		Seller Code	
	Pittsburgh	PA	15244	
	City	State	Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Washington District Field Name			
	Calhoun	WV	State	
(b) For OCS wells:	Area Name		Block Number	
	Date of Lease:		OCS Lease Number	
	Mo.	Day	Yr.	
(c) Name and identification number of this well: (35 letters and digits maximum.)	H. Bennett Hrs.		CNGD #1342	
(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		Buyer Code	
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated total annual production from the well:	22 Million Cubic Feet			
	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU			
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	6.062		
9.0 Person responsible for this application:	R. N. Metzler Name		Manager Reserves Title	
Agency Use Only	Signature		412-787-4092 ;	
Date Received by Juris. Agency	9/24/85		Phone Number	
SFP 27 1985	Date Application is Completed			
Date Received by FERC				



APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
 PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)  
 (Sections 102, 103, 107 and 108)

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressed brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)
1			
2			
3			
4			
5			
6			

Remarks:



DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 9/24, 19 85

10110

AGENCY USE ONLY

Applicant's Name: CNG Development Company

Address: One Park Ridge Center  
P.O. Box 15746  
Pittsburgh, PA 15244  
Attn: Carl G. Mourovic

WELL DETERMINATION FILE NUMBER

850927-1073-013-3826

Use Above File Number on all  
Communications Relating to This Well

Gas Purchaser Contract No. N/A

Date of Contract N/A  
(Month, day and year)

First Purchaser: undetermined P 629

Address: (Street or P.O. Box)

(City) (State) (Zip Code)

FERC Seller Code

Designated Agent: Gary A. Nicholas

Address: CNG Development Company  
Crosswind Corporate Park  
Route 2 Box 698  
Bridgeport, WV 26330

FERC Buyer Code

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

Name: Robert N. Metzler

Manager of Reserves

Signature: (Print) R.N. Metzler

(Title)

Address: One Park Ridge Center - P.O. Box 15746  
(Street or P.O. Box)

Pittsburgh, PA 15244

Telephone: (412) 787-4092

(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 Build

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
- XX 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED  
05/10/2024

RECEIVED  
SEP 27 1985



DEVONIAN SHALE GAMMA RAY LOG  
APPLICATION FOR DETERMINATION OF THE MAXIMUM  
LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT

OPERATOR CNG DEVELOPMENT COMPANY

AGENT Gary A. Nicholas

Type Determination being sought - 107 (Devonian Shale)

API WELL NO 47-013-03826

WELL NAME H. Bennett Hrs.

West Virginia Office of Oil and Gas References:

COUNTY Calhoun

SJA File No. \_\_\_\_\_

Volume \_\_\_\_\_ Page \_\_\_\_\_ Line \_\_\_\_\_

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray Elevation Indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 145 \* API Units

2. Remarks:

B. Gamma Ray Log Value at 0.7 x (Value at Base Line)

1. GR Value = 145 \* API Units

2. Calculation: 0.7 (GR Value at Base Line)  
0.7 (145 \*) = 101.5 API Units

III. Intervals With GR Index Less Than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of Less Than 0.7 (Shale Base Line) Feet*
From**	To***		
2,808'	5,880'	3,072'	117'

Total Devonian Interval 3,072'

Total Less Than 0.7 (Shale Base) 117'

% Less Than 0.7 (Shale Base Line) = .9619 x 100 = 96.19 %

05/10/2024

\* Marked on log included with analysis.  
\*\* Top of Devonian section recorded on first interval in this column.  
\*\*\* Lesser of TD or bottom of Devonian section recorded as last interval in this column.



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

Date September 24, 1985  
Operator's  
Well No. CNGD #1342  
API Well No.  
47 - 013 - 03826  
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE  
NGPA Section 107

DESIGNATED AGENT Gary A. Nicholas  
CNG Development Company  
ADDRESS Crosswind Corporate Park  
Route 2 Box 698  
Bridgeport, WV 26330

WELL OPERATOR CNG Development Company  
One Park Ridge Center  
ADDRESS P.O. Box 15746  
Pittsburgh, PA 15244  
Attn.: Prod. Reg. Coord.

LOCATION: Elevation 1193'  
Watershed Bear Run  
District Washington County Calhoun Quad Millstor

GAS PURCHASER undetermined

Gas Purchase Contract No. N/A

ADDRESS \_\_\_\_\_

Meter Chart Code N/A

ADDRESS \_\_\_\_\_

Date of Contract N/A

\* \* \* \* \*

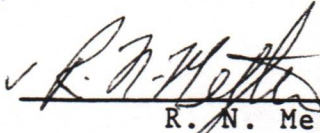
Date surface drilling was begun: June 16, 1985

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

BHP = 455#  
BHP =  $P_1 + P_1$  (e GL 53.34 T-1)

AFFIDAVIT

I, R. N. Metzler, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in Subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in Subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; 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.

  
\_\_\_\_\_  
R. N. Metzler  
Manager Reserves

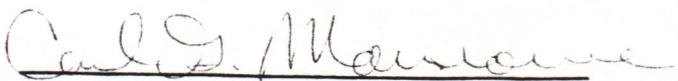
PENNSYLVANIA  
STATE OF ~~WEST VIRGINIA~~  
COUNTY OF Allegheny, TO WIT:

I, Carl G. Mourovic, a Notary Public in and for the state and county aforesaid, do certify that R. N. Metzler, whose name is signed to the writing above, bearing date the 24th day of September, 19 85, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 24th day of September, 19 85. **05/10/2024**

My term of office expires on the 19th day of December, 19 88.

[NOTARIAL SEAL]

  
\_\_\_\_\_  
Notary Public

CARL G. MOUROVIC, NOTARY PUBLIC  
PITTSBURGH, ALLEGHENY COUNTY, PA  
MY COMMISSION EXPIRES DECEMBER 19, 1988