

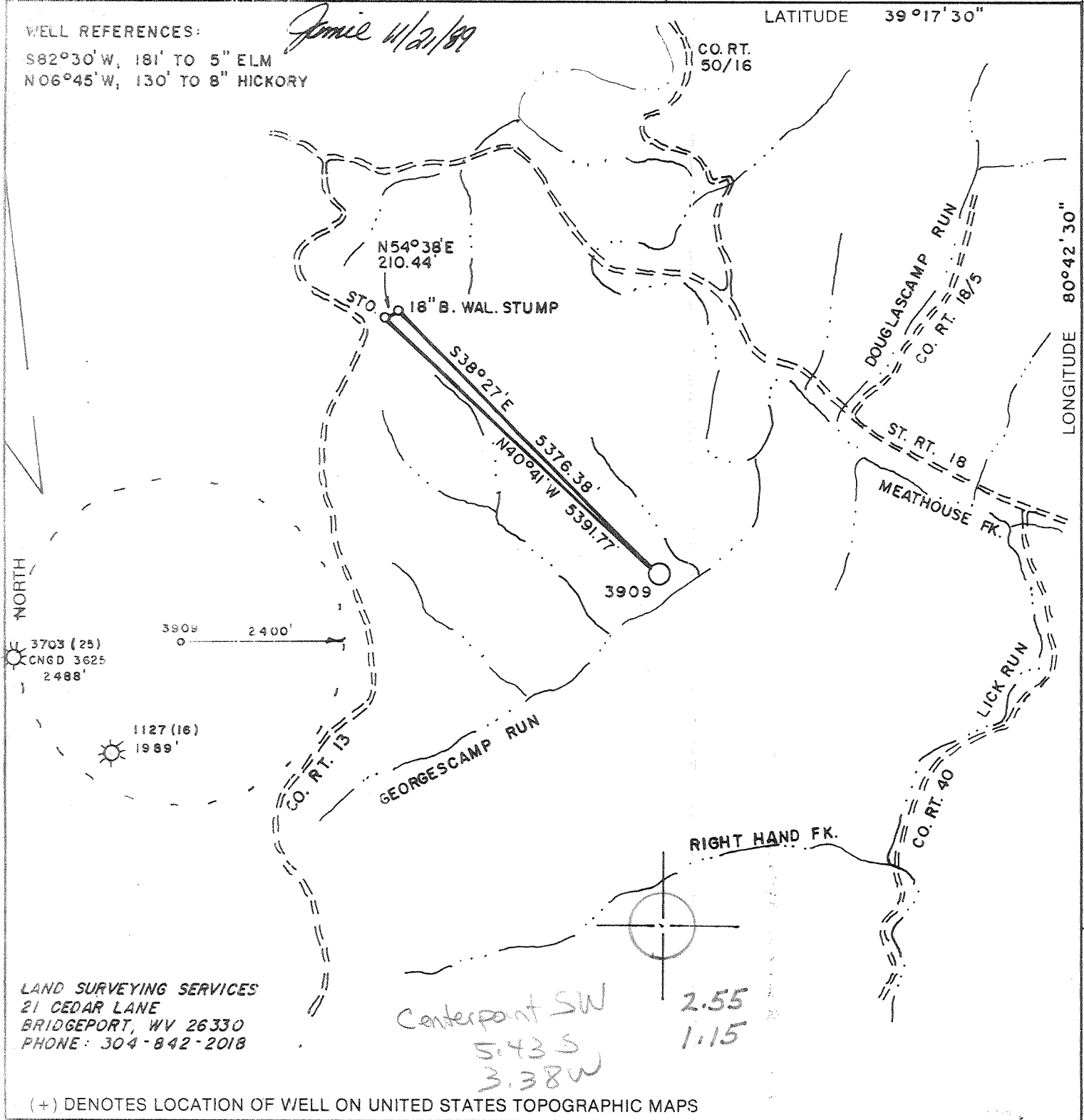
6130'

LATITUDE 39°17'30"

WELL REFERENCES:
S82°30'W, 181' TO 5" ELM
N06°45'W, 130' TO 8" HICKORY

Janice 11/21/89

CO. RT. 50/16



LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

Centerpoint SW
5.43 S
3.38 W
2.55
1.15

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION EXIST. WELL 1127
 ELEV. 892.23'

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 ENERGY
 (SIGNED) _____
 R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE OCTOBER 23, 19 89
 OPERATOR'S WELL NO. 3909
 API WELL NO. 47-017-3761
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X
 LOCATION: ELEVATION 914' WATER SHED GEORGE SCAMP RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5 min. Centerpoint SW
 SURFACE OWNER ROBERT S. MAXWELL ACREAGE 872.83
 OIL & GAS ROYALTY OWNER LEWIS MAXWELL LEASE ACREAGE 344
 LEASE NO. OXY F/1
 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 ALEXANDER ESTIMATED DEPTH 5180'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY BIGGS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 142 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

6-6 Smithton-Flint Sedalia (099) DEC 08 1989

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: MAXWELL, ROBERT S., ETUX Operator Well No.: CNGD 3909

LOCATION: Elevation: 914.00 Quadrangle: SMITHBURG

District: NEW MILTON County: DODDRIDGE
Latitude: 13560 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 6130 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: CNG PRODUCING CO., A DEL. CORP.
1450 POYDRAS ST.
NEW ORLEANS, LA 70112

Agent: RODNEY J. BIGGS

Inspector: Mike Underwood
Permit Issued: 06/14/93
Well work Commenced: 09/30/93
Well work Completed: 11/05/93
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 5143
Fresh water depths (ft)

Salt water depths (ft)

Is coal being mined in area (Y/N)?
Coal Depths (ft):

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
NO ADDITIONAL CASING RAN IN WELL			

OPEN FLOW DATA

Producing formation N/A Pay zone depth (ft) N/A
 Gas: Initial open flow N/A MCF/d Oil: Initial open flow Bbl/d
 Final open flow * 268 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 24 Hours
 Static rock Pressure 700 psig (surface pressure) after Hours
 *Squeezed Gordon Perfs. & Producing from Prior Zones
 Second producing formation Pay zone depth (ft)
 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
 Final open flow MCF/d Final open flow Bbl/d
 Time of open flow between initial and final tests Hours
 Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Rodney J. Biggs
CNG PRODUCING CO. A DELAWARE CORP.
By: Rod Biggs
Date: November 30, 1993

Reviewed TM6
Recorded

NR
12-1-93

Perforated Gordon 2290-2298, 15 shots
2308-2314, 12 shots

Frac: Broke Fm. 2100#, ISIP 1200#, Frac Grad .95, Total Fl. 502 bbls
29# Gel, Total Acid 500 gals 15%, Total Sand 5,000# 80/100,
36,500# 20/40, Sand Conc. 1 - 3.5 ppg, Ave Rate 27 BPM,
Ave Pres. 2150#, ISIP after 1520#

Attempt to Perforate and Frac - Unsuccessful on Gordon formation
Unable to produce

70 5143

DP 424

DPT-439

17329



State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Farm name: MAXWELL, ROBERT S. ETUX. Operator Well No.: CNGD 3909

LOCATION: Elevation: 914.00 Quadrangle: SMITHBURG

District: NEW MILTON County: DODDRIDGE
Latitude: 13560 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 6130 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: CNG DEVELOPMENT CO. A DEL
P. O. BOX 15746
PITTSBURGH, PA 15244-0000

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD
Permit Issued: 12/04/89
Well work Commenced: 12/19/89
Well work Completed: 12/20/89
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) _____
Fresh water depths (ft) 50', 225'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	189	189	To surf.
8 5/8	1235	1235	To surf.
4 1/2	5100	5100	450 sks.
1 1/2"	4865	4865	---

OPEN FLOW DATA

Producing formation Alex./Leopold Benson Pay zone depth (ft) 4926-4754
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 1/18/90 Final open flow 671 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 160 psig (surface pressure) after 4 Hours
700# after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Rodney J. Biggs, Manager
CNG DEVELOPMENT CO. A DEL. CORP.

By: Rod Biggs
Date: January 22, 1990

Perforated Alexander and Leopold 4926 - 4931, 5 shots; 4909 - 4913, 4 shots;
 4878 - 4885, 8 shots; 4748 - 4754, 4 shots; total 23 holes, .39 HSC
 Foam Frac Alex. and Leopold (70Q) - Break 1850, Avg. TPSI 3024, Avg. Rate 20 BPM,
 HHP used 1112, ISIP 1900, Max Sand Conc. 6#/gal, 500 gals 15% HCL, 5000# 80/100 Sand,
 20,000# 20/40 Sand, 810,000 SCFN₂.

Perforated Benson Sand 4590 - 4598, 24 holes, .39 HSC.
 Foam Frac (70Q) Benson - Break 2340, Avg TPSI 2951, Avg. Rate 20 BPM, HHP used 964,
 ISIP 2400, Max Sand Conc. 5#/gal, 500 gals 15% HCL, 5000# 80/100 Sand, 60,000# 20/40
 Sand, 587,000 SCFN₂

Fill	0	20	1/2" stream water @ 50'
Sd, Sh & RR	20	1533	1" stream water @ 225'
L. Lime	1533	1547	
B. Lime & Injun	1547	1718	
Sd & Sh	1718	5143	

LOG TOPS

Big Lime	1550	1644
Big Injun	1644	1713
Weir	1870	1982
Berea	2080	2100
Gordon Gp.	2290	2314
Warren	2950	2980
U. Speechley	2992	3070
Bradford	4100	4160
Benson	4588	4626
Leopold	4734	4764
Alexander	4836	4942

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

Issued 12/04/89 Page ___ of ___

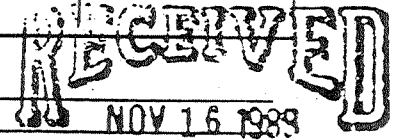
Expires 12/04/89

- 1) Well Operator: CNG DEVELOPMENT COMPANY 10110 (6) 610
- 2) Operator's Well Number: CNGD 3909 3) Elevation: 914
- 4) Well type: (a) Oil ___ / or Gas X
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow X
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5180 feet
- 7) Approximate fresh water strata depths: OK 131, 231
- 8) Approximate salt water depths: OK n/a
- 9) Approximate coal seam depths: OK n/a
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X
- 11) Proposed Well Work: Drill new well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	11 3/4	H-40	42	200	200	To surface
Coal						To surface
Intermediate	8 5/8	X-42	23	1300	1300	38CSR18-11.2.2 & 38CSR18-11.3
Production	4 1/2	J-55	10.5	5180	5180	200-400 sks 38CSR18-11.1
Tubing	1 1/2	CN-55	2.75	5000	5000	F
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____



For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket sure Agent
(Type)

RECEIVED
NOV 16 1989

Page 1 of _____
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: November 3, 1989
Operator's well number
CNGD 3909
API Well No: 47 - 017 - 3761
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Robert S. Maxwell et ux
Address New Milton Star Route
West Union, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Route 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Robert L. Holland, Jr. Agent
Address 105 High St., P. O. Box 425
West Union, WV 26456
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
_____ Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator CNG Development Company
By: [Signature]
Its: Supervisor Purchasing/Production Services
Address One Park Ridge Center, P. O. Box 15746
Pittsburgh, PA 15244
Telephone (412) 787-4117

Subscribed and sworn before me this 3 day of November, 1989

My commission expires _____
[Signature]

Notarial Seal
Barbara A. Schaub, Notary Public
Findlay Twp., Allegheny County
My Commission Expires June 14, 1993
Member, Pennsylvania Association of Notaries

Notary Public

RECEIVED

Environmental Protection

017-3761-F
Issued 06/14/93
Page ___ of ___
Expires 06/14/95

FORM WW-2B MAY 24 93

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Office of Oil & Gas WELL WORK PERMIT APPLICATION

17329

Well Operator: CNG Producing Company ¹⁴⁶ 10/10 (6) 610

Operator's Well Number: CNGP 3909W 3) Elevation: 914

Well type: (a) Oil ___ / or Gas X /

(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow ___ /

5) Proposed Target Formation(s): Speechley 432

6) Proposed Total Depth: 3065 feet

7) Approximate fresh water strata depths: _____

8) Approximate salt water depths: _____

9) Approximate coal seam depths: _____

10) Does land contain coal seams tributary to active mine? Yes ___ / No ___

11) Proposed Well Work: Lay down Tubing. Set Frac Plug at 3080'. Perf and Frac
Speechley. Clean up well. Drill out plug. Run Tubing. Commingle production.

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"			189	189	To Surface
Fresh Water						
Coal						
Intermediate	8 5/8"			1235	1235	To Surface
Production	4 1/2"			5100	5100	450 sks.
Tubing	1 1/2"			4865	4865	---
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: 195 Well Work Permit 195 Reclamation Fund 195 WPCP
Plat 195 WW-9 195 WW-2B 195 Bond 195 Agent

MAY 2 1 93
Permitting
Office of Oil & Gas

1) Date: 5-5-93
2) Operator's well number
CNGP 3909W
3) API Well No: 47 - 017 - 3761-FRAC
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Robert S. Maxwell et ux
Address New Milton Star Route
West Union, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Robert L. Holland, Jr. Agent
Address 105 High St., P. O. Box 425
West Union, WV 26456
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
_____ Personal Service (Affidavit attached)
 Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator CNG Producing Company
By: Rodney J. Biggs *RJ Biggs*
Its: Designated Agent - District Manager, Production
Address Rt. 2, Box 698, Crosswind Corp. Park
Bridgeport, WV 26330
Telephone (304) 623-8840

Subscribed and sworn before me this 5th day of May, 1993

Nancy D. Colton
My commission expires September 26, 1993 Nancy D. Colton Notary Public