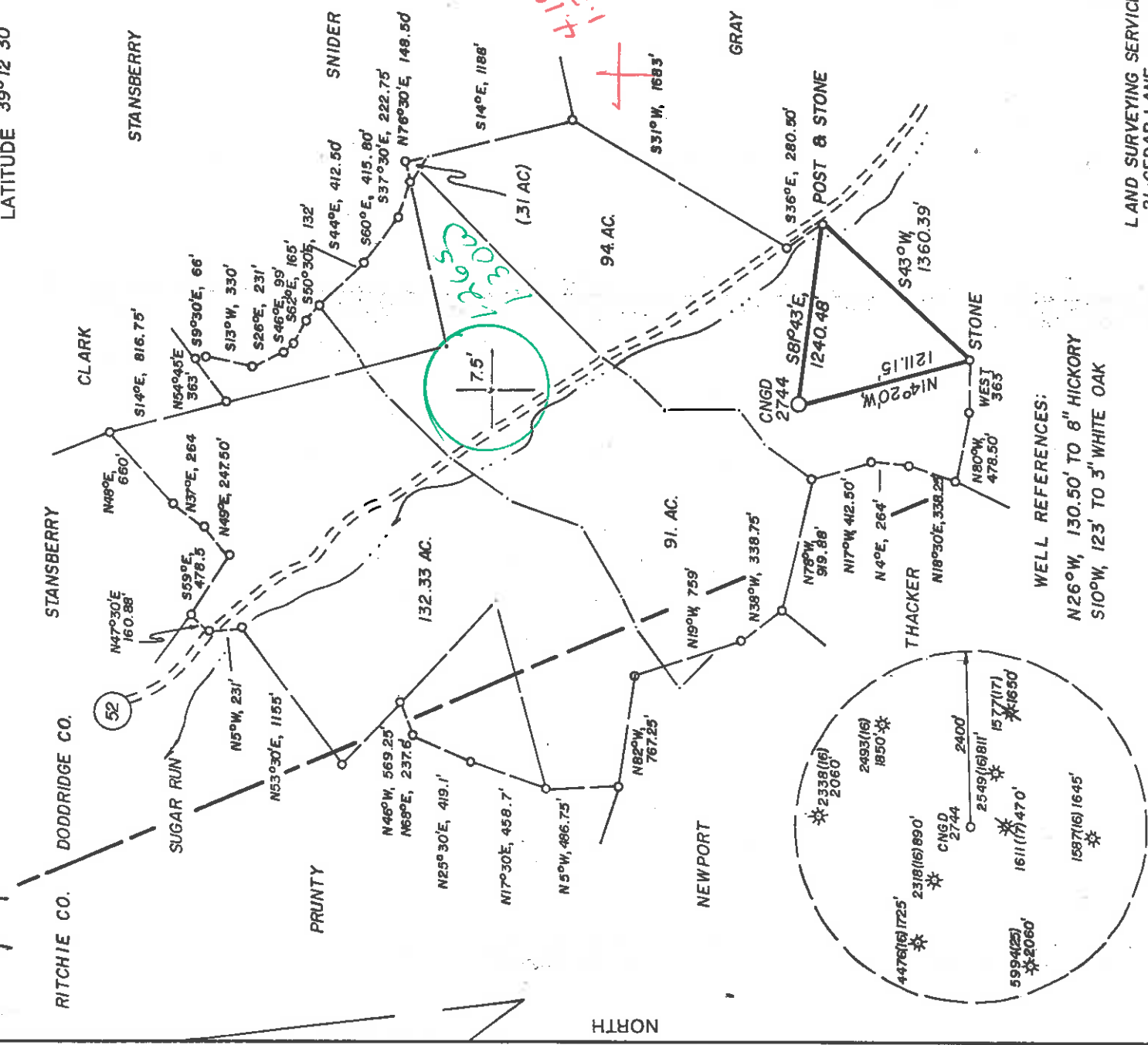


AS 2/23/87 39 15

LATITUDE 39° 12' 30" LONGITUDE 80° 50' 6825



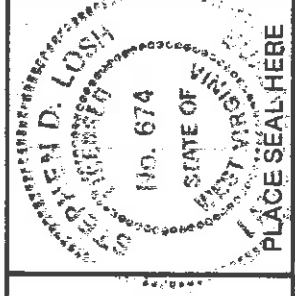
WELL REFERENCES:
 N26°W, 130.50' TO 6" HICKORY
 S10°W, 123' TO 3" WHITE OAK

LAND SURVEYING SERVICES
 21 CEDAR LANE
 BRIDGEPORT, WV 26330
 PHONE: 304-842-2018
 PSH 2-9-89

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF _____
 ACCURACY 1 IN 200
 PROVEN SOURCE OF _____
 ELEVATION TOP OF KNOB 2665' NW
 OF LOCATION AT ELEV. 1317'

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) *Stephen D. Losh*
 R.P.E. _____ I.L.S. NO. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JAN 6, 19 87
 OPERATOR'S WELL NO. CNGD 2744
 API WELL NO. _____

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL PERMIT
 (IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 998' WATER SHED SUGAR RUN
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5' 526 O5B W02 Holbrook
 SURFACE OWNER AMERICAN SALES & CONCESSIONS, INC. ACREAGE 94
 OIL & GAS ROYALTY OWNER D. W. GRAY LEASE ACREAGE 343

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 5275'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS ROUTE 2, BOX 698
 PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

MAR 16 1987

6-6 Straight Fork-Bluestone Creek (133)

RECEIVED

JUN 22 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia

Department of Mines

Oil and Gas Division

Date June 11, 1987

Operator's

Well No. CNGD WN 2744

Falm Gray

API No. 47 - 017 - 3525

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGEWELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 998 Watershed Sugar Run

District: Southwest County Doddridge Quadrangle Oxford

COMPANY CNG Development Company

ADDRESS P.O. Box 15746

Pittsburgh, PA 15244

DESIGNATED AGENT Gary A. Nicholas

ADDRESS Rt. 2 Box 698

Bridgeport, WV 26330

SURFACE OWNER Am. Sales & Concessions, Inc.

ADDRESS 211 North Sixth Street

Clarksburg, WV 26301

MINERAL RIGHTS OWNER D. W. Grey

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK _____

Mike Underwood ADDRESS Rt. 2, Box 1426

Salem, WV 26426

PERMIT ISSUED March 10, 1987

DRILLING COMMENCED May 12, 1987

DRILLING COMPLETED May 17, 1987

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"	205	205	To Surf.
9 5/8			
8 5/8	1446	1446	To Surf.
7			
5 1/2			
4 1/2	5238	5238	360 sks
3			
2 1-1/2	5033	5033	-----
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5275 feet

Depth of completed well 5276 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 310 feet; Salt _____ feet

Coal seam depths: None _____ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5045-94 feet

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

Final open flow 671 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1675 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion---)

Second producing formation _____

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

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

JUL 6 1987

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


Perforated Alexander 5045 - 94, 29 holes, .39 HSC
 Nowco 75Q Foam Frac - Breakdown 1560, Ave HHP 2 pumps, Ave Rate 20, Ave Pres. 3150,
 Max. Tr. Pres. 3160, Total Sand 61,300#, Max. Conc. 5#/gal, Total Acid 900 gal, Total
 Fluid 281.5 bbl, SL Fluid 121.5 bbl, ISIP 1670, 5 min 1000, Total N₂ 579,089 SCF

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fire and salt water, coal, oil and g
KB - GL			0	10	Damp @ 270' 1/2" stream @ 310'
Sand, Shale & RR			10	1812	
Lime			1812	1817	
Sand & Shale			1817	1871	
B. Lime			1871	1962	
Injun			1962	2008	
Shale			2008	2156	
Weir			2156	2228	
Sand & Shale			2228	3260	
Warren			3260	3295	
Sand & Shale			3295	3646	
Speechley			3646	3704	
Sand & Shale			3704	4618	
Riley			4618	4740	
Sand & Shale			4740	4798	
Benson			4798	4840	
Sand & Shale			4840	5042	
Alexander			5042	5118	
Shale			5118	5276	
LOG TOPS ✓					
Big Lime			1875	1962	
Big Injun			1962	1998	
Weir			2166	2292	
Berea			2387	2390	
Warren			3238	3280	
Balltown			4156	4168	
Bradford			4370	4412	
Riley			4695	4734	
Benson			4780	4838	
Alexander			5032	5114	

RECEIVED
 JUN 22 1987
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

ONG DEVELOPMENT COMPANY
 Well Operator
 By: 
 Date: June 11, 1987

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic
 written geological record of all formations, including
 strata, encountered in the drilling of a well."

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

OCT 23 1996

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: AMERICAN SALES/CONCESSION Operator Well No.: CNGP 2744

LOCATION: Elevation: 998.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 6825 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 6970 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: CNG PRODUCING COMPANY

ROUTE 2, BOX. 698
BRIDGEPORT, WV 26330-0698

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD

Permit Issued: 09/07/95

Well work Commenced: 12/11/95

Well work Completed: 12/20/95

Verbal Plugging

Permission granted on: Rig

Rotary Cable

Total Depth (feet) 5170'

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.
Did not Re-Run Tubing			

OPEN FLOW DATA

Big Injun
Bradford

1969-1987
4171-4183

Producing formation Benson

Pay zone depth (ft) 4733-4807

Gas: Initial open flow MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow * 1 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock pressure 700 psig (surface pressure) after 12 Hours

* Commingled with existing production

Second producing formation

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: CNG PRODUCING COMPANY

Rodney J. Biggs

BY: Rodney J. Biggs, Production Manager-Appalachian Region

Date: 10/15/96

OCT 25 1996

NR

12/14/96 - Allegheny Perforated

12/15/96 - Nowaco Fraced

Formation	Benson	Bradford	Big Injun
Perfs	4733-4807 (24 holes)	4171-4183 (28 holes)	1969-1987 (30 holes)
Plug	4830	4187	1993
Total Sand	30K	30K	5K+20K
Total Fluid	543	480	441
Total Acid	1000	500	750
Avg. Rate	29	28	30
Avg. Press.	2250	1900	2150

12/20/95 - F.O.F. = 1 MMCFD

12/20/95 - T.B.I.L.

1) Date: February 10, 19 87
 2) Operator's Well No. CNGD 2744
 3) API Well No. 47 017 3525
 State County Permit



RECEIVED
 FEB 19 1987

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

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil Gas B (If "Gas", Production Underground storage Deep Shallow
 Elevation: 998 Watershed: Sugar Run
 District: Southwest 7 County: Doddridge 017 Quadrangle: Oxford 525
 6) WELL OPERATOR: ENG Development Co. CODE: 10110 7) DESIGNATED AGENT Gary Nicholas
 Address: Cheryl S. Hattle P.O. Box 15746 Crosswind Corporate Park
 -Pittsburgh, PA 15244 Rt. 2, Box 698, Bridgeport, WV 26330
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name: Mike Underwood
 Address: Route 2, Box 114 Sam Jack Drilling Co.
 -Salem, WV 26426 P.O. Box 48
 Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify): Alexander

- 11) GEOLOGICAL TARGET FORMATION, Alexander
 12) Estimated depth of completed well, 5275 feet
 13) Approximate true depths: Fresh, None reported feet; salt, 1300 DAMP feet.
 14) Approximate coal seam depths: None reported Is coal being mined in the area? Yes No
 15) CASING AND TUBING PROGRAM Refer to Permit #3490, 3358 and 7472

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	For drilling	Left in well		
Conductor							
Fresh water	1 1/4	H-40	42	200 40	200 40	To surface	By rule 15.05
Coal							
Intermediate	8-5/8	X-42	23	1450	1450	To surface	By rule 15.05
Production	4-1/2	J-55	10.5	5275	5275	200 - 400	By rule 15.01
Tubing	1-1/2	CN-55	2.75				
Liners							

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3525 Date March 10, 1987

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 March 10, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: 1766	WPCP: <input checked="" type="checkbox"/>	Other: <input checked="" type="checkbox"/>
---	--	---	---	-----------	---	--

9709

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

John U. Johnston
 Director, Division of Oil and Gas
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

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

Issued 09/07/95
 Expires 09/07/97

Permitting
 OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

1) Well Operator: CNG Producing Company 1011C (7) 526

2) Operator's Well Number: CNGP 2744N 3) Elevation: 998'

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

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

Proposed Target Formation(s): Big Injun, Bradford, Benson

1962-1982
 4157-4168
 4716-4788

Proposed Total Depth: 435 feet

Approximate fresh water strata depths: _____

Approximate salt water depths: _____

Approximate coal seam depths: _____

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

11) Proposed Well Work: Squeeze cement to cover intervals. Perforate and frac proposed zones.
Clean well up and commingle with existing production.

D.K. M. C. W.

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	13-10"			205	205	To Surface
Fresh Water						
Coal						
Intermediate	8 5/8"			1446'	1446'	To surface
Production	4 1/2"			5238'	5238'	360 sks.
Tubing	1 1/2"			5033'	5033'	---
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

166/3
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ (Type)
 Agent _____

1) Date: _____
2) Operator's well number _____
3) API well No: 47 - 017 - 3525W
State - County - Permit

Permitting
Office of Oil & Gas

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 American Sales and Concessions
Address #8 Armory Road
Clarksburg, WV 26301

(b) Name _____
Address _____

(c) Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name Hayward Gray
Address Box 252
Ellenboro, WV 26346

Name _____
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

6) Inspector Mike Underwood
Address _____
Telephone (304) - 288-1604 (c)

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
Its: Designated Agent - Production Manager, Appalachian Region
Address Rt. 2, Box 698, Crosswind Corp. Park
Bridgport, WV 26330
Telephone (304) 623-8840

Subscribed and sworn before me this 18th day of August, 1995

Nancy D. Colton
My commission expires _____

Nancy D. Colton

NOTARY PUBLIC

