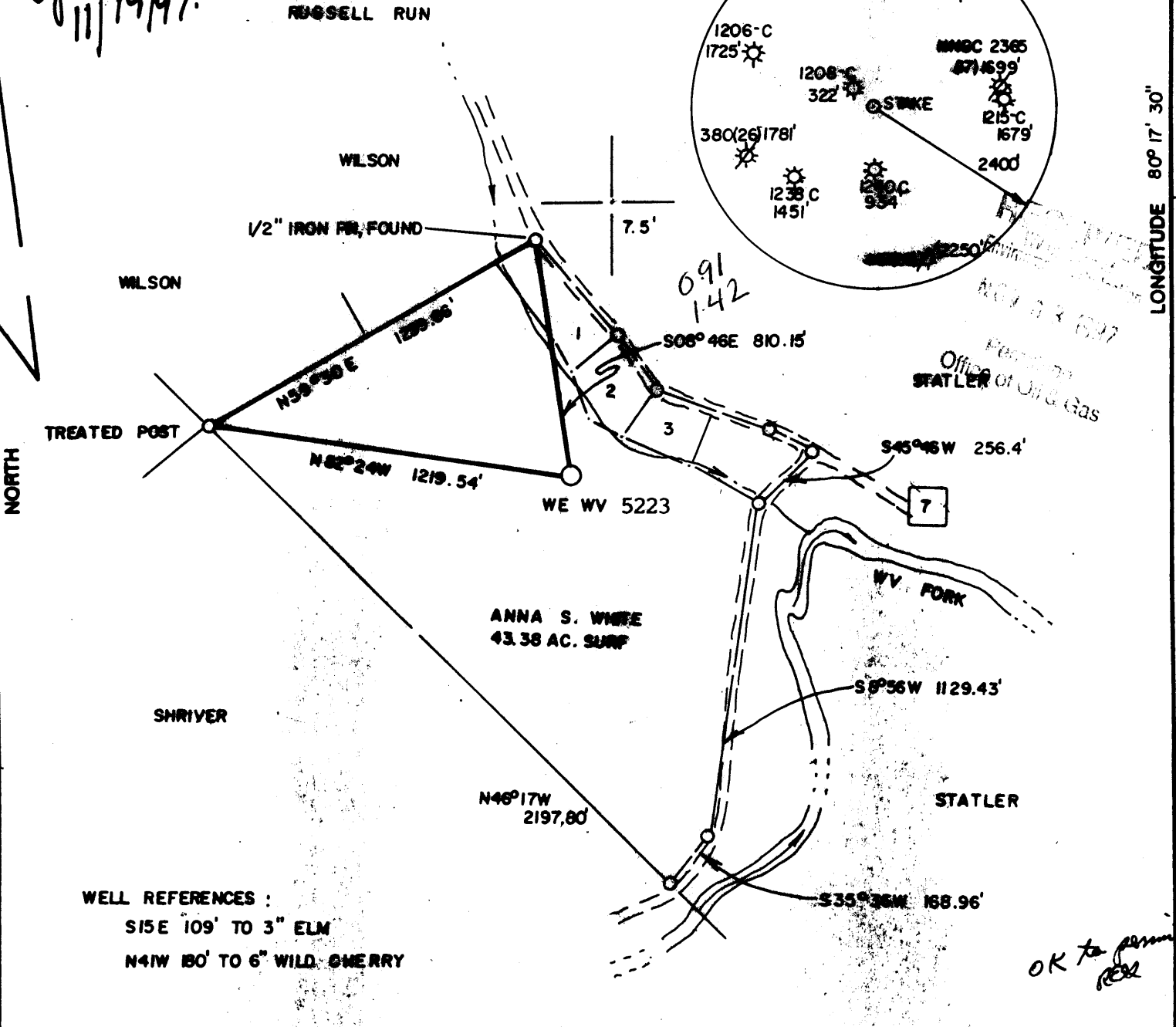


*Janice*  
11/19/97

LATITUDE 39°42' 30"

7525'

4825'  
05 21 08  
80° 17' 30"  
LONGITUDE

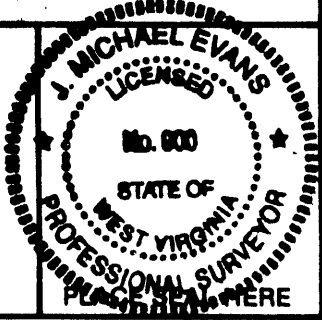


WELL REFERENCES :  
S15E 109' TO 3" ELM  
N41W 180' TO 6" WILD CHERRY

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

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 in 2500  
PROVEN SOURCE OF ELEVATION Fed. 2 TBM of 1038.57' amsl

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) *J. Michael Evans*  
R.P.E. \_\_\_\_\_ L.L.S. 900



WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
#10 McJUNKIN ROAD  
NITRO, WEST VIRGINIA 25143-2506



DATE September 18, 1997  
OPERATOR'S WELL NO. WE WV 5223  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1087' WATERSHED Russell Run  
DISTRICT Battelle COUNTY Monongalia  
QUADRANGLE Wadestown 7.5'  
SURFACE OWNER Anna S. White ACREAGE 43.38  
OIL & GAS ROYALTY OWNER Howard Shriver, et al LEASE ACREAGE 600

PROPOSED WORK: DRILL  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 Bayard ESTIMATED DEPTH 3500'  
WELL OPERATOR CNG Producing Company DESIGNATED AGENT Rodney J. Biggs  
ADDRESS Rt. 2, Box 698 ADDRESS Rt. 2, Box 698  
Bridgeport, WV 26330 Bridgeport, WV 26330

FORM WV-6

COUNTY NAME

PERMIT

NOV 21 1997

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

Permitting  
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: WHITE, ANNA S. Operator Well No.: WEWV-5223

LOCATION: Elevation: 1,087.00 Quadrangle: WADESTOWN

District: BATTELLE County: MONONGALIA  
Latitude: 4825 Feet South of 39 Deg. 42Min. 30 Sec.  
Longitude 7525 Feet West of 80 Deg. 17 Min. 30 Sec.

Company: CNG PRODUCING COMPANY  
RR 2 BOX 698  
BRIDGEPORT, WV 26330-0698

Agent: RODNEY J. BIGGS

Inspector: RANDAL MICK  
Permit Issued: 11/19/97  
Well work Commenced: 11/18/97  
Well work Completed: 12/23/97  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary Cable Rig  
Total Depth (feet) 3450'  
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.
11 3/4"	305'	305'	170 SKS
8 5/8"	925'	925'	210 SKS
4 1/2"	3401'	3401'	290 SKS

OPEN FLOW DATA

Producing formation 50 Ft. Dayard Lower 5th 5th Sand Pay zone depth (ft) 3132-3161'  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 475 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 640 psig (surface pressure) after 12 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  
CNG PRODUCING COMPANY

By: Rodney J. Biggs, Production Manager, Appalachian region  
Date: 02-07-98

FEB 20 1998

## **CNGP WEWV05223**

11/18/97 - Spud Well.

12/14/97- T.D. 7 7/8" hole at 3450'.

12/18/97 - Key Energy perforated and BJ fraced as follows:

Bayard, 3268-3272', 4 holes, Lower 5th, 3208-3212', 8 holes, 5th Sand, 3132-3161', 8 holes.  
25,000# sand in 650 bbls.

50 FT., 2785-2825', 20 holes, 31,000# sand in 505 bbls.

12/23/97 - F.O.F. = 475 Mcf/d - 640#

1/7/98 - T.I.L.

Page 1 of 1

**STATE OF WEST VIRGINIA**  
**DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

- 1) Well Operator: CNG Producing Company 10110 (1) 652
- Operator's Well Number: WEWV05223 3) Elevation: 1087'
- Well type: (a) Oil    / or Gas    /
- (b) If Gas: Production    / Underground Storage    /  
 Deep    / Shallow    /
- Proposed Target Formation(s): Bavard
- Proposed Total Depth: 3400 feet
- 7) Approximate fresh water strata depths: 40'
- 8) Approximate salt water depths: 1650'
- 9) Approximate coal seam depths: Pittsburgh Coal mined out at 837'
- 10) Does land contain coal seams tributary to active mine? Yes    / No    /
- 11) Proposed Well Work: Drill and complete 3400' well
- 12)

*Issued 11/19/97*  
*Expires 11/19/99*

**RECEIVED**  
 WV Division of Environmental Protection  
 NOV 03 1997  
 Permitting Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		Weight per ft.	FOOTAGE For drilling	INTERVALS Left in well	CEMENT Fill-up (cu. ft.)
	Size	Grade				
Conductor	11 3/4	H-40	32		120	Surface
Fresh Water						38 CSR/BM.3
Coal	8 5/8	X-42	23		900'	Surface
Intermediate						38 CSR/BM.2.2
Production	4 1/2	J-55	10.5		3400'	375 sks.
Tubing						38 CSR/BM.1
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Office of Oil and Gas Use Only

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

*0 2468*  
*135*

*19*

1) Date: 10/28/97  
2) Operator's well number  
WEWV05223  
3) API Well No: 47 - 061 - 1290  
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

RECEIVED  
WV Division of  
Environmental Protection  
NOV 03 1997  
Permitting  
Office of Oil & Gas

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Anna S. White Name \_\_\_\_\_  
Address c/o Donald White Address \_\_\_\_\_  
HC 67, Box 63
- (b) Name Wadestown, WV 26589 (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name Eastern Associated Coal (Pittsburgh Seam)  
Address 800 Laidley Tower  
Charleston, WV 25324
- (c) Name \_\_\_\_\_ Name Consolidated Coal Co. (Swickley Seam)  
Address \_\_\_\_\_ Address P.O. Box 1039  
Wilmington, DL 19899
- 6) Inspector Randal Mick (c) Coal Lessee with Declaration  
Address 111 Blackshere Drive Name \_\_\_\_\_  
Mannington, WV 26582 Address \_\_\_\_\_  
Telephone (304)- 288-4600

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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 22-6 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, Production Manager - Appalachian Region  
Address Rt. 2, Box 698  
Bridgeport, WV 26330  
Telephone (304) 623-8840

Subscribed and sworn before me this 30<sup>th</sup> day of October, 1997

Nancy D. Colton Notary Public  
My commission expires 9/26/2003