

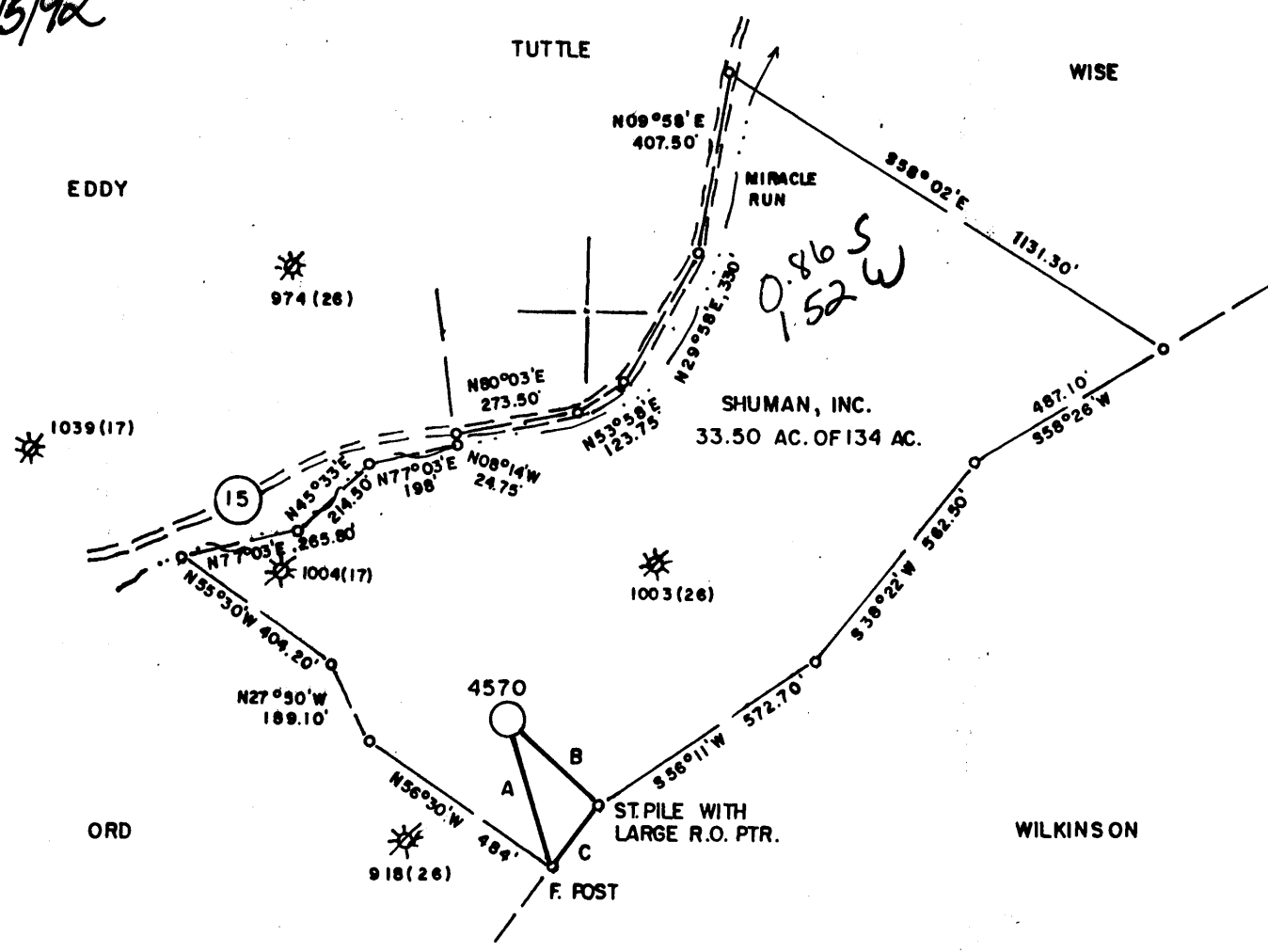
*Janice*  
5/5/92

8060

LATITUDE 39°42'30"

NORTH

LONGITUDE 80°51'08"



WELL REFERENCES:  
N 39°45'E, 64.80' TO 6" R. MAPLE  
S 24°W, 48.30' TO 8" HICKORY

TIE LINES:  
A - N17°37'W, 336.99'  
B - S47°53'E, 275.51'  
C - S36°53'W, 170.53'

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

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

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 400'  
MINIMUM DEGREE OF ACCURACY 1 in 2500  
PROVEN SOURCE OF ELEVATION EXIST. WELL 1003-P  
ELEV. 1093'

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 MARCH 17, 1992  
OPERATOR'S WELL NO. 4570  
API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 1141' WATERSHED MIRACLE RUN  
DISTRICT BATTLETT COUNTY MONONGALIA

QUADRANGLE WADESTOWN 7.5 min. Mannington DE  
SURFACE OWNER MAUDIE E. & DANIEL R. ORD ACREAGE 33.50

OIL & GAS ROYALTY OWNER SHUMAN, INC., ET AL. LEASE ACREAGE 134  
LEASE NO. 500050

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PRODUCE METHANE GAS FROM EXISTING COAL MINE VENT PIPE.

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION PITTSBURGH COAL ESTIMATED DEPTH 800'

WELL OPERATOR CNG PRODUCING COMPANY DESIGNATED AGENT RODNEY BIGGS  
ADDRESS 1450 POYDRAS ST. 149 ADDRESS RT. 2, BOX 69 B  
NEW ORLEANS, LA 70112-6000 BRIDGEPORT, WV 26330

OWWO 4-4 Brave (052) SPD-Pgh. coal

MAY 8 1992

FORM WV-6

COUNTY NAME

PERMIT

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

*[Handwritten Signature]*  
AUG 24 1992

Permitting Office of Oil & Gas Well Operator's Report of Well Work

Farm name: Shuman, Inc., et al Operator Well No.: CNGD 4570

LOCATION: Elevation: 1141' Quadrangle: Wadestown

District: Battelle County: Monongalia  
Latitude: 39° 42' 30" Deg.  
Longitude: 80° 15' 00" Deg.

Company: CNG PRODUCING COMPANY  
1450 Poydras Street  
New Orleans, LA 70112-6000

Agent: RODNEY J. BIGGS

Inspector:  
Permit Issued:  
Well work Commenced: 5/22/92  
Well work Completed: 5/26/92  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary Cable Rig  
Total Depth (feet) 835  
Fresh water depths (ft) 65'; 160'

Salt water depths (ft) \_\_\_\_\_

Is coal being mined in area (Y/N)? \_\_\_\_\_  
Coal Depths (ft): 539'; 787'; 835'

| Casing & Tubing | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|-----------------|------------------|--------------|------------------------|
| Size            |                  |              |                        |
| 10 3/4"         | 19'              | 19'          | 4 sks                  |
| 7" Slotted      | 331'             | 331'         |                        |
| 7" Solid        | 520'             | 520'         | 100 sks                |
|                 |                  |              |                        |
|                 |                  |              |                        |

OPEN FLOW DATA

*Converted a vent hole to a coal bed methane*

Producing formation Pittsburgh Gob Pay zone depth (ft) est. 800'  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow est. 200 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

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 DELAWARE CORP. *Rod Biggs*  
By: *Rod Biggs* SEP 1 1992  
Date: August 20, 1992

061- 1072

Issued 5/5/92

Page of

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

Expires 5/5/94

- 1) Well Operator: CNG PRODUCING COMPANY 10110 (1) 65-1
- 2) Operator's Well Number: 4570
- 3) Elevation 1141
- 4) Well type: (a) Oil    / or Gas X /  
(b) If Gas: Production    / Underground Storage    /  
Deep    / Shallow
- 5) Proposed Target Formation(s): Pittsburgh Coal
- 6) Proposed Total Depth:                      feet
- 7) Approximate fresh water strata depths:
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths:
- 10) Does land contain coal seams tributary to active mine? Yes    / No
- 11) Proposed Well Work: Converting an existing Vent Hole to a CBM Well.
- 12)

**RECEIVED**  
Office of Oil & Gas  
Permitting  
APR 03 92  
WV Division of  
Environmental Protection

CASING AND TUBING PROGRAM

| TYPE         | SPECIFICATIONS |       |                | FOOTAGE INTERVALS         |              | CEMENT                        |
|--------------|----------------|-------|----------------|---------------------------|--------------|-------------------------------|
|              | Size           | Grade | Weight per ft. | For drilling              | Left in well |                               |
| Conductor    | 10 3/4"        |       |                |                           | 19' 2"       | 4 SACK PORTLAND.              |
| Fresh Water  | 7"             |       |                | EXISTING FROM WELL RECORD | 520' 15"     | 100 SACK PORTLAND.            |
| Coal         |                |       |                |                           |              |                               |
| Intermediate |                |       |                |                           |              |                               |
| Production   | 7"             |       |                |                           | 331' 55"     | SLOTTED SET ON ANCHOR PACKER. |
| Tubing       |                |       |                |                           |              |                               |
| Liners       |                |       |                |                           |              |                               |

PACKERS : Kind                       
 Sizes                       
 Depths set                     

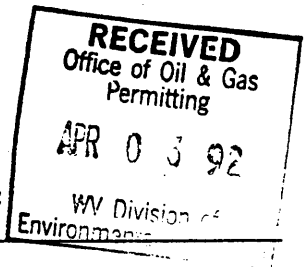
For Division of Oil and Gas Use Only

00 139  
 44  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket Sure.  Agent  
 (Type)

1) Date: March 31, 1992  
2) Operator's well number  
4570  
3) API Well No: 47 - 061 - 1072  
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 Maudie E. Stewart Ord & Daniel R. Ord  
Address RFD Box 16  
Wana WV 26590  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Donald Ellis  
Address 2604 Crab Apple Lane  
Fairmont WV 26554  
Telephone (304) - 534-5596/367-1832

5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Eastern Royalty Corp.  
Address 800 Laidley Tower Box 1233  
Charleston WV 25324  
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 Biggs *Rodney Biggs*  
Its: Designated Agent  
Address Crosswind Corporate Park  
Rt. 2 Box 698 Bridgeport WV 26330  
Telephone (304) 623-8840

Subscribed and sworn before me this 31 day of March, 19 92

Nancy D. Colton My commission expires Sept. 21, 1992  
Nancy D. Colton Notary Public