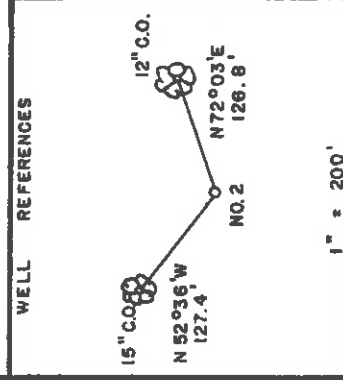
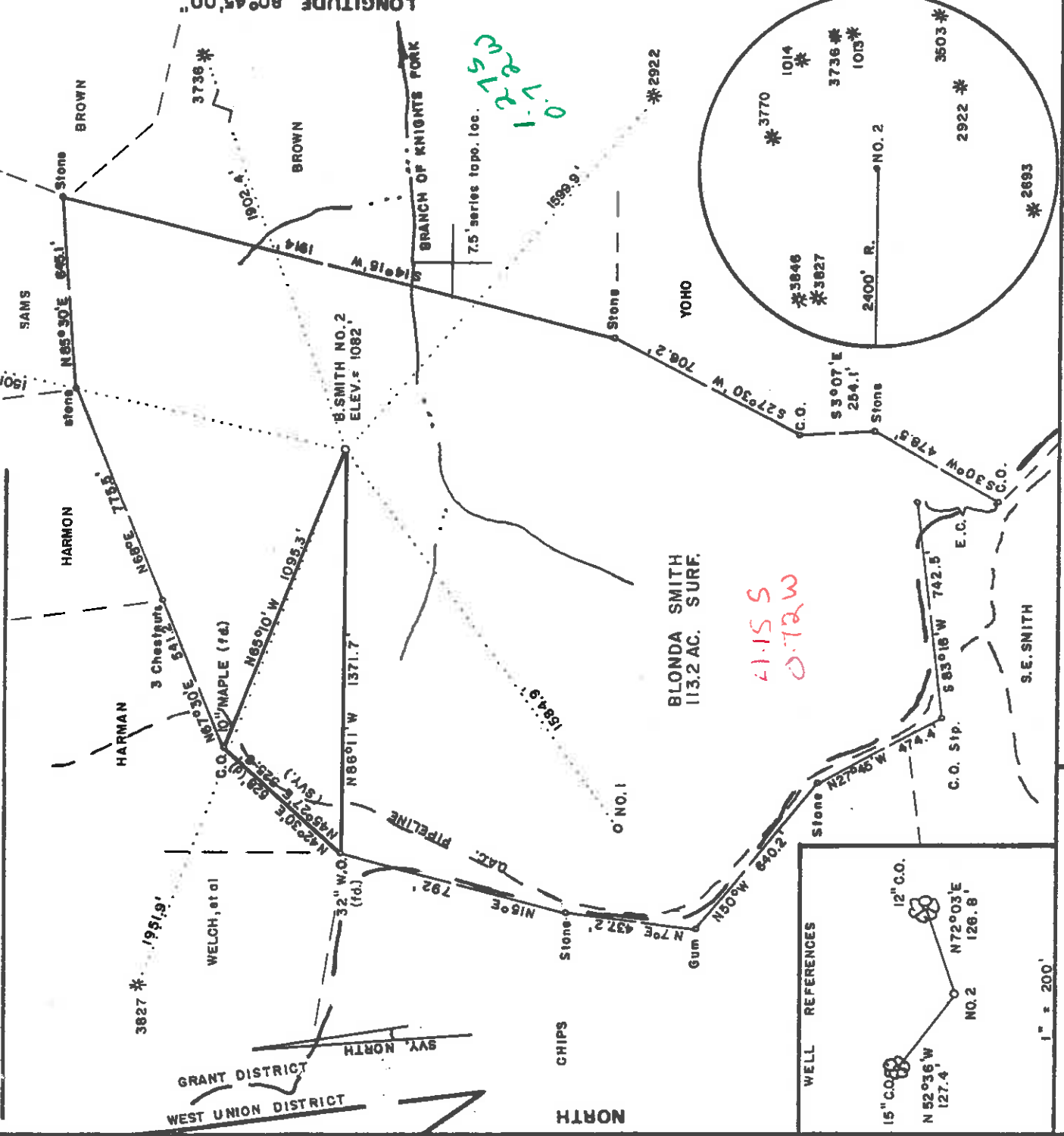


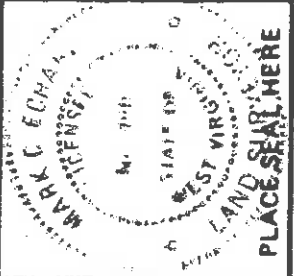
BLONDA SMITH LEASE 113.2 AC. #

3780' W  
LATITUDE 39°22' 30"  
LONGITUDE 80°45' 00"



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF  
ACCURACY 1/200  
PROVEN SOURCE OF  
ELEVATION TOP OF KNOB  
EAST OF LEASE ELEV. = 1307'

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 REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
MENT OF MINES.  
*Mark C. Echard*  
MARK C. ECHARD  
(SIGNED) R.P.E. L.L.S. 490



(+) DENOTES LOCATION OF  
WELL ON UNITED STATES  
TOPOGRAPHIC MAPS  
FORM IV-6  
(8-78)



DATE APRIL 2, 19 91  
OPERATOR'S WELL NO. BSMITH NO. 2  
API WELL NO. 47-017-3886  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS.") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1082' WATER SHED KNIGHTS FORK  
DISTRICT GRANT 3 COUNTY Doddridge  
QUADRANGLE WEST UNION T.5 R.15 S.10  
SURFACE OWNER BLONDA SMITH ACREAGE 113.2  
OIL & GAS ROYALTY OWNER BLONDA SMITH, et al LEASE ACREAGE 113.2  
LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR  
STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW  
FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
MAY 10 1991

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
TARGET FORMATION BENSON ESTIMATED DEPTH 5500'  
WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON  
ADDRESS P.O. BOX 99 280 ALMA, W.VA. 26320  
ALMA, W.VA. 26320

*6-6 Wilbur*



RECEIVED  
JUN 21 1991

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

DEPT. OF ENERGY Well Operator's Report of Well Work

Operator Well No.: B. SMITH #2

Farm name: SMITH, BLONDA

LOCATION: Elevation: 1082.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE  
Latitude: 6690 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude: 3780 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP.

P. O. BOX 99  
ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD  
Permit Issued: 05/06/91  
Well work Commenced: 5/20/91  
Well work Completed: 6/3/91  
Verbal Plugging  
Permission granted on: Rig  
Rotary  Cable  
Total Depth (feet) 5349  
Fresh water depths (ft) 180

Salt water depths (ft) 1730

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

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 8-5/8"               | 1296'            | 1296'        | 290sks                 |
| 4-1/2"               |                  | 5171         | 230sks                 |
|                      |                  |              |                        |
|                      |                  |              |                        |
|                      |                  |              |                        |

OPEN FLOW DATA

Producing formation Benson Sand Pay zone depth (ft) 5065-5070

Gas: Initial open flow 350 MCF/d Oil: Initial open flow 0 Bbl  
 Final open flow 350 MCF/d Final open flow 0 Bbl  
 Time of open flow between initial and final tests \_\_\_\_\_ Ho  
 Static rock Pressure 1300 psig (surface pressure) after 48 Ho

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl  
 Time of open flow between initial and final tests \_\_\_\_\_ Ho  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Ho

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORMANCES, 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: DRILLING APPALACHIAN CORP.

BY: Kenneth R. Mason  
Date: 6/18/91

JUN 28 1991

Perforated at 5065'-5070', 20 shots.  
 Fraced with 20# gelled water, 10,000# 80/100, 50,000#20/40 sand  
 80,000SCF of Nitrogen Gas. Formation Break at 1988psi.  
 Avg treatment psi, 2440psi. Avg fluid rate, 22 bbl/min.  
 ISIP 2002

| Permian Sands/Shales<br>Pennsylvanian Sands/Shales | Surface |      |
|--|---------|------|
|  | 500     | 500' |
| Big Lime   | 2002    | 2053 |
| Shale  | 2054    | 2066 |
| Keener Sand  | 2067    | 2080 |
| Shale  | 2081    | 2085 |
| Rig Injun Sand                                     | 2086    | 2196 |
| Shale  | 2197    | 2342 |
| Weir Sand  | 2343    | 2428 |
| Shale  | 2429    | 2542 |
| Gantz Sand   | 2543    | 2561 |
| Shale  | 2562    | 2766 |
| Gordon Sand  | 2767    | 2801 |
| Shale  | 2802    | 2841 |
| Gordon Stray Sand                                  | 2842    | 2848 |
| Shale/Siltstone                                    | 2849    | 3438 |
| Warren Sand  | 3439    | 3466 |
| Shale/siltstone                                    | 3467    | 4361 |
| Balltown   | 4362    | 4428 |
| Shale/siltstone                                    | 4429    | 4609 |
| Riley  | 4610    | 4654 |
| Shale/siltstone                                    | 4655    | 5068 |
| Benson Sand  | 5069    | 5075 |
| MD   | 5218    |      |

JUN 28 1997

RECEIVED

MAY 03 1991

FORM WW-2B

017-3886  
Bound 5/6/91  
Expense 5/6/93 Page 3 of 5

ORIGINA

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

1) Well Operator: DRILLING APPALACHIAN CORPORATION 14425 (3) 670

2) Operator's Well Number: BLONDA SMITH #2 3) Elevation: 1082'

4) Well type: (a) Oil  / or Gas   
(b) If Gas: Production  / Underground Storage   
Deep  / Shallow

5) Proposed Target Formation(s): Benson 405

6) Proposed Total Depth: 5500± feet

7) Approximate fresh water strata depths: 115'

8) Approximate salt water depths: 1500'

9) Approximate coal seam depths: None

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

11) Proposed Well Work: Drill, perforate, stimulate new formation

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         | H-40  | 42#            | 30'          | 0'                |                   |        |
| Fresh Water  |                |       |                |              |                   |                   |        |
| Coal         |                |       |                |              |                   |                   |        |
| Intermediate | 8-5/8          | J-55  | 20#            | 1300'        | 1300'             | 38CSR18-11.3      |        |
| Production   | 4-1/2          | J-55  | 10.5#          | 5225'        | 5225'             | 38CSR 18-11.2.2   |        |
| Tubing       |                |       |                |              |                   |                   |        |
| Liners       |                |       |                |              |                   | 38CSR18-11.1      |        |

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

6765  
Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond LC  Agent  
(Type)

1221

ORIGINAL

RECEIVED  
MAY 03 1991  
DEPT. OF ENERGY

1) Date: April 23, 1991  
2) Operator's well number B. Smith #2  
3) API well No: 47 - 017 - 3886  
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 Blonda Smith  
Address Rte 3, Box 567A  
Clarksburg, WV 26301
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Mike Underwood  
Address Rte 2, Box 135  
Salem, WV 26426  
Telephone (304) - 782-1043

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

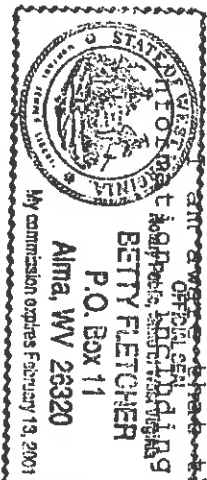
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

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 5 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.



\_\_\_\_\_ there are significant penalties for submitting false information to the possibility of fine and imprisonment.

Well Operator DRILLING APPALACHIAN CORPORATION  
By: Annita Zillner  
Its: President  
Address P. O. Box 99  
Alma, WV 26320

Subscribed and sworn before me this 23rd day of April, 1991

My commission expires February 13, 2001 Notary Public