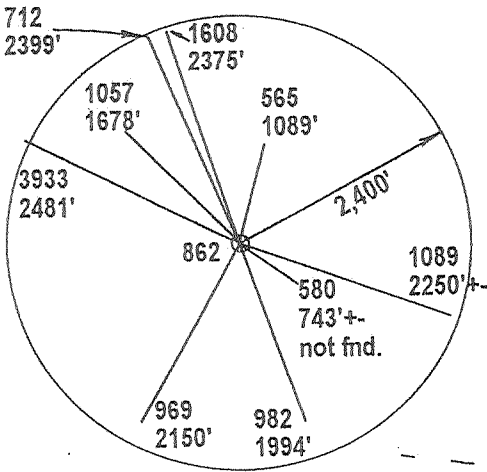


LATITUDE 39 - 12 - 30

LONGITUDE 80 - 25 - 00

scaled coor:  
6,900' West  
485' South



A. S. Able Power Co.

ROUTE 32

John McKinley

3/4" iron pin, fnd.

1/2" iron pin, fnd.

Buffalo Creek

(6.5 Ac.)

W. WIRT WOLF  
119.8 Acres

Clarksburg Water Board

Clarksburg Water Board

Clarksburg Water Board

| FARM LINES |               |          |
|------------|---------------|----------|
| Id         | Bearing       | Distance |
| L1         | S 68°30'00" E | 165.00'  |
| L2         | S 77°30'00" E | 158.40'  |
| L3         | S 68°48'00" E | 146.52'  |
| L4         | S 63°12'00" E | 209.88'  |
| L5         | S 40°24'00" E | 171.60'  |
| L6         | S 88°30'00" E | 256.74'  |
| L7         | N 62°20'00" E | 391.88'  |
| L8         | S 80°45'00" E | 154.44'  |
| L9         | N 58°34'00" W | 321.75'  |
| L10        | N 47°48'00" W | 612.15'  |
| L11        | N 55°00'00" W | 429.00'  |
| L12        | N 76°00'00" W | 387.75'  |
| L13        | N 3°20'00" E  | 79.86'   |

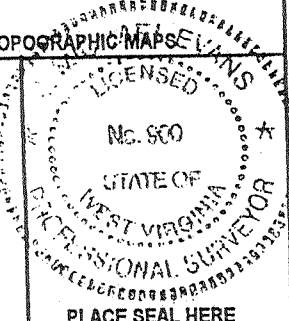
NAD 27 WV North Coor.  
N 258,889.82 E 1,733,378.7

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

FILE NUMBER: \_\_\_\_\_  
 DRAWING NUMBER: \_\_\_\_\_  
 SCALE: 1" = 600'  
 MINIMUM DEGREE OF ACCURACY: 1 in 2500  
 PROVEN SOURCE OF ELEVATION: GPS Survey (submeter)

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*  
J. Michael Evans, PS 900



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
#10 McJUNKIN ROAD  
NITRO, WV 26143-2506  
FORM WW-6

LAND SURVEYING SERVICES  
21 CEDAR LANE, BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 842-5762

DATE: September 24, 2001

OPERATORS WELL NO.: 11861

API WELL NO.

47 — 033 — 862 F  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,376' WATERSHED Buffalo Creek

DISTRICT Union COUNTY Harrison

QUADRANGLE West Milford LEASE NUMBER 52916

SURFACE OWNER Charles M. Smith ACREAGE 113.32

OIL & GAS ROYALTY OWNER W. Wirt Wolf LEASE ACREAGE 119.8

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

PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_

TARGET FORMATION ESTIMATED DEPTH

WELL OPERATOR DOMINION TRANSMISSION, INC. DESIGNATED AGENT James D. Blasingame

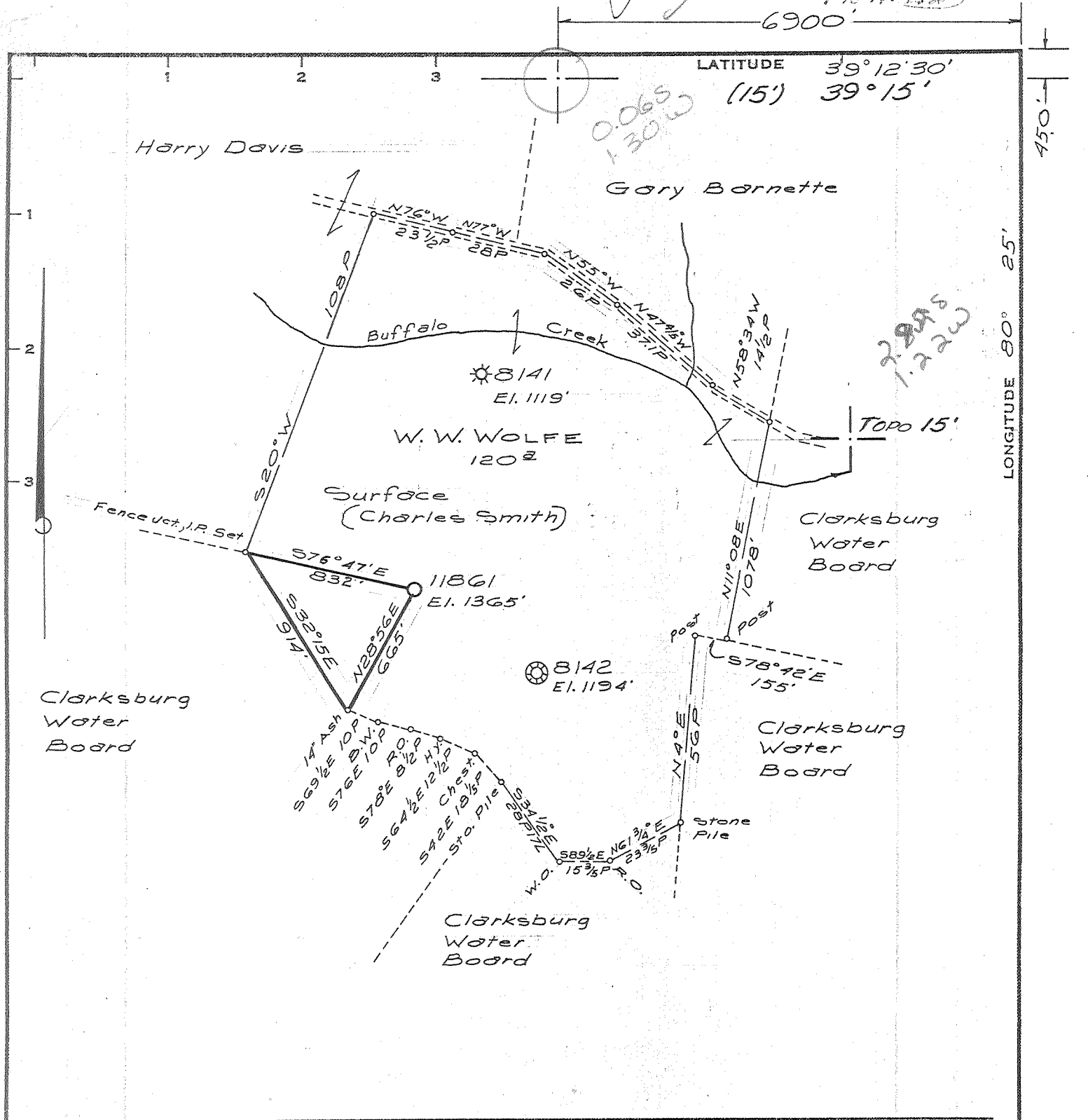
ADDRESS 445 West Main St., Clarksburg, WV 26301 ADDRESS 445 West Main St., Clarksburg, WV 26301

COUNTY NAME PERMIT

HARRISON 2602F

OCT 26 2001

(Jawisville 151)



Minimum Error of Closure 1' IN 200'  
 Source of Elevation B.M. - Road Forks West Milford 7 1/2  
Topo. - Elevation 1023'

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

New Location   
 Drill Deeper   
 Abandonment

Map Sheet 55 S-17, E-9 F.B. 1699 Pgs. 22-24

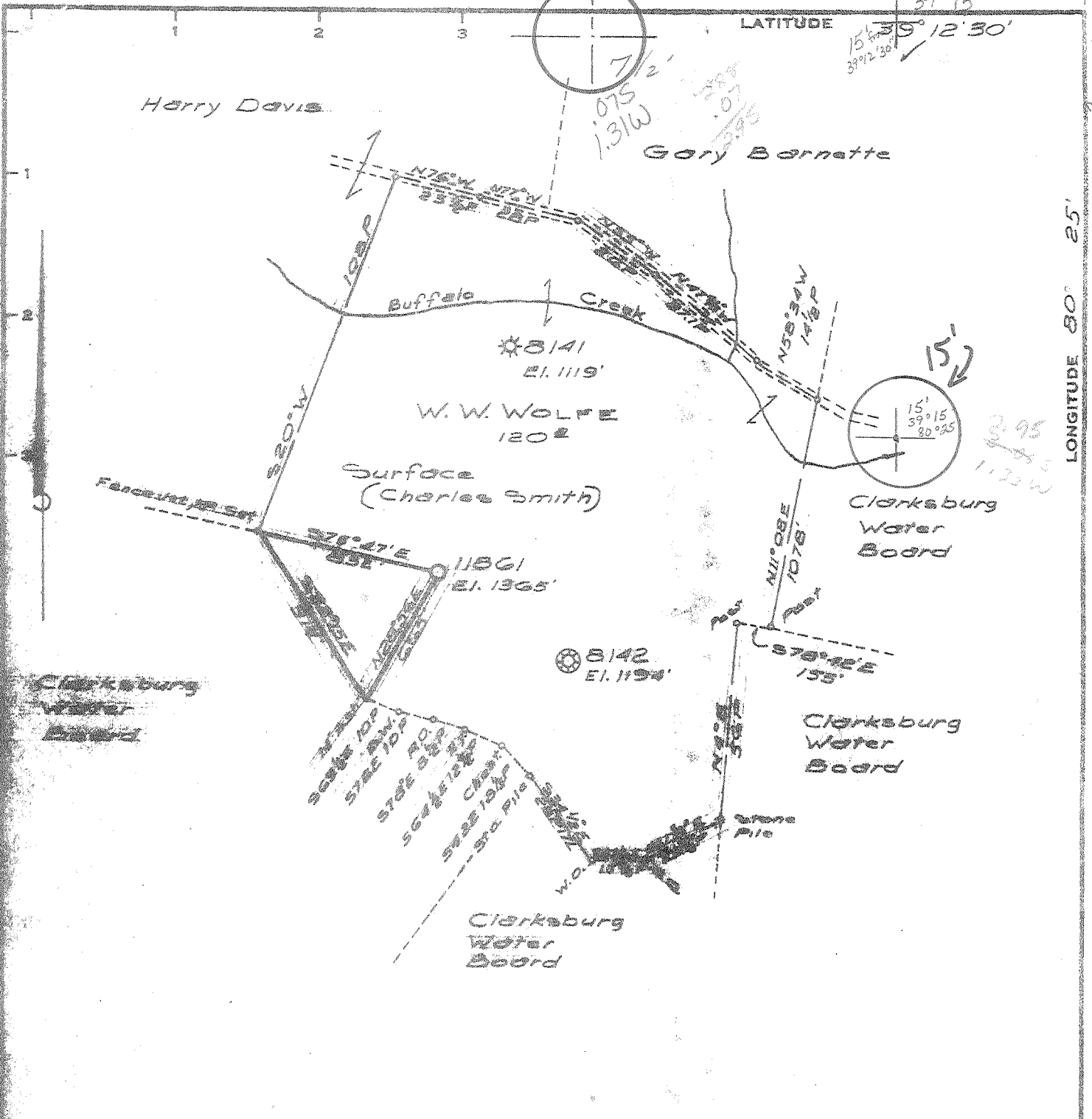
Company CONSOLIDATED GAS SUPPLY CORP.  
 Address CLARKSBURG, W. VA.  
 Farm W. W. WOLFE  
 Tract Acres 120 Lease No. 52916  
 Well (Farm) No. 11861 Serial No. 11861  
 Elevation (Spirit Level) 1365'  
 Quadrangle WEST MILFORD 7 1/2 132  
 County HARRISON District UNION 0  
 Engineer Jackson M. Jarvis.  
 Engineer's Registration No. 2397  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date AUGUST 27, 1974 Scale 1" = 660'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. Har-862-Frac.

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

MAY 04 1987  
**47-033**



Minimum Error of Closure 1' IN 200'  
 Source of Elevation B.M. - Road Forks, West Hilliard 7/4  
Temp. - Elevation 1023'  
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

- New Location
- New Lease
- Amendment

West Virginia 2-17, E-9

F.B. 1639 Pgs. 22-24

Company Central West Virginia Coal Corp.  
 Address Clarksburg, W. Va.  
 Farm W. W. Wolfe  
 Tract \_\_\_\_\_ Acres 120 Lease No. 52916  
 Well (Farm) No. \_\_\_\_\_ Serial No. 11861  
 Elevation (Spirit Level) 1165' Weston  
 Quadrangle West Hilliard 7/4  
 County Marshall UNION  
 Engineer Jackson M. Jarvis  
 Engineer's Registration No. 2327  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date August 27, 1974 Scale 1" = 660'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**

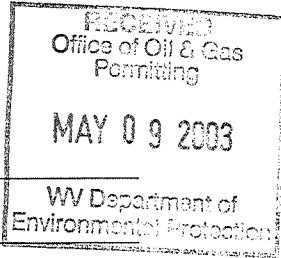
FILE NO. 47-033

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

*Handwritten initials*

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work



Farm name: Smith, Charles M. Operator Well No.: 11861

LOCATION: Elevation: 1,376' Quadrangle: West Milford

District: Union County: Harrison  
Latitude: 485 Feet South of 39 Deg. 12 Min. 30 Sec.  
Longitude 6,900 Feet West of 80 Deg. 25 Min. 00 Sec.

Company: Dominion Transmission, Inc

|  | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|--------------|------------------------|
| Address: 445 W Main Street<br>Clarksburg, WV 26301 |                 |                  |              |                        |
| Agent: Brian Sheppard                              |                 |                  |              |                        |
| Inspector: Tim Bennett                             |                 |                  |              |                        |
| Date Permit Issued: 10/24/2001                     |                 | Please see       | Original     |                        |
| Date Well Work Commenced:                          |                 | WR-35 for        | Existing     |                        |
| Date Well Work Completed: 2/18/2002                |                 | Casing           | Program      |                        |
| Verbal Plugging: N/A                               |                 |                  |              |                        |
| Date Permission granted on: N/A                    |                 |                  |              |                        |
| Rotary X Cable Rig                                 |                 |                  |              |                        |
| Total Depth (feet): N/A                            |                 |                  |              |                        |
| Fresh Water Depth (ft.): N/A                       |                 |                  |              |                        |
| Salt Water Depth (ft.): N/A                        |                 |                  |              |                        |
| Is coal being mined in area (N/Y)? N               |                 |                  |              |                        |
| Coal Depths (ft.): N/A                             |                 |                  |              |                        |

OPEN FLOW DATA

Producing formation Speechley Pay zone depth (ft) 3114-3210'  
Bayard Pay zone depth (ft) 2560-2570'  
Gas: Initial open flow - MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 103 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 12 Hours  
Static rock Pressure 130 psig (surface pressure) after 12 Hours

Second producing formation 4th Sand Pay zone depth (ft) 2372-2382'  
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

\* Comingled

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.

Signed: *Brian Sheppard*  
By: Brian Sheppard  
Date: 05-05-03

*Handwritten initials*  
MAY 20 2003

HAR 0862 F

02/18/02 PLAN TO FRAC TODAY

PERFED AND FRACED AS FOLLOWS:

05/01/2003

SPEECHLEY, 3114 - 3210', 20 HOLES, BD 1277#, AVG RATE 17 BPM, AVG PRESS 1451#, 398 BBLS,  
TOT SAND 28,000#, ISIP 1026#

BAYARD, 2560 - 2570', 20 HOLES, BD 1600#, AVG RATE 17 BPM, AVG PRESS 1844#, 296 BBLS  
TOT SAND 20,000#, ISIP 1450#

4TH SAND, 2372 - 2382', 20 HOLES, BD 2700#, AVG RATE 17 BPM, AVG PRESS 2396#, 302 BBLS,  
TOT SAND 20,000#, ISIP 1770#



IV-35  
(Rev 8-81)

Date February 19, 1988  
Operator's  
Well No. 11861  
Farm W. W. Wolfe  
API No. 47 - 033 - 0862-FR

**RECEIVED**  
MAR 17 1988

State of West Virginia  
Department of Mines  
Oil and Gas Division

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production X / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /)

LOCATION: Elevation: 1365' Watershed Buffalo Creek  
District: Union County Harrison Quadrangle West Milford

COMPANY CNG Transmission Corp.

ADDRESS 445 W. Main St., Clarksburg, WV

DESIGNATED AGENT W. A. Fox

ADDRESS 445 W. Main St., Clarksburg, WV

SURFACE OWNER Charles M. Smith

ADDRESS 8710 Sugarcreek Point, Centerville, Ohio

MINERAL RIGHTS OWNER Helen H. Wolfe, Agent

ADDRESS 970 Second St., West Milford, WV 26451

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

Casey ADDRESS Jane Lew, WV 26378

PERMIT ISSUED April 27, 1987

Stimulation  
~~DRILLING COMMENCED~~ June 9, 1987

Stimulation  
~~DRILLING COMPLETED~~ June 17, 1987

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

| Casing & Tubing                | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|--------------------------------|------------------|--------------|------------------------|
| Size 20-16 Cond.               |                  |              |                        |
| <u>11 3/4</u><br><u>13-10"</u> |                  | 350          | To surf.               |
| 9 5/8                          |                  |              |                        |
| 8 5/8                          |                  | 1409         | 90 sks.                |
| 7                              |                  |              |                        |
| 5 1/2                          |                  |              |                        |
| 4 1/2                          |                  | 4603         | 490 sks.               |
| 3                              |                  |              |                        |
| 2                              |                  |              |                        |
| Liners used                    |                  |              |                        |

GEOLOGICAL TARGET FORMATION Balltown (comingle with Benson) Depth see perf. feet

Depth of completed well 4670 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 925 feet; Salt \_\_\_\_\_ feet

Coal seam depths: 160-165 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Balltown & Benson Pay zone depth see perf. feet

Gas: Initial open flow n/a Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 422 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests n/a hours

Static rock pressure 640 psig (surface measurement) after 48 hours shut in

(If applicable due to multiple completion--)

MAR 18 1988

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

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

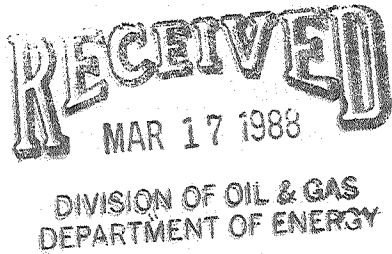
(Continue on reverse side)

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

October, 1974 - Perforater Benson - 4501-4515 with 14 holes.  
Fractured with 845 bbls. of water & 60,000# sand.

June 11, 1987 - Perforated Balltown - 3394-3396 w/2 holes, 3426-3428 w/2 holes,  
3439-3443 w/4 holes and 3449-3454 w/5 holes. Total 13 holes.

WELL LOG

| FORMATION       | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS  |
|-----------------|-------|--------------|----------|-------------|--|
|                 |       |              |          |             | Including indication of all fresh and salt water, coal, oil and gas                  |
| Coal            |       |              | 160      | 165         |  |
| Little Lime     |       |              | 1576     | 1591        |  |
| Big Lime        |       |              | 1616     | 1682        |  |
| Big Injun       |       |              | 1682     | 1779        |  |
| Fifty Foot      |       |              | 2097     | 2160        |  |
| Thirty Foot     |       |              | 2195     | 2209        |  |
| Fourth          |       |              | 2372     | 2406        |  |
| Fourth "A"      |       |              | 2452     | 2462        |  |
| Fifth           |       |              | 2512     | 2526        |  |
| Lower Fifth     |       |              | 2556     | 2570        |  |
| Bayard          |       |              | 2586     | 2616        |  |
| Upper Speechley |       |              | 3085     | 3128        |  |
| Speechley       |       |              | 3205     | 3240        |  |
| Balltown        |       |              | 3330     | 3458        |  |
| Bradford        |       |              | 3815     | 3976        |  |
| Riley           |       |              | 4324     | 4435        |  |
| Benson          |       |              | 4498     | 4530        |  |
| Total Depth     |       |              |          | 4670        |  |

(Attach separate sheets as necessary)

CNG Transmission Corp.  
Well Operator

By: J. E. Burns Manager of Production

Date: February 22, 1988

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



RECEIVED

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas   
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Weston

Permit No. HAR-862

Company Consolidated Gas Supply Corp.  
Address Clarksburg, WV  
Farm W. W. Wolfe Acres 120  
Location (waters) Buffalo Creek  
Well No. 11861 Elev. 1365  
District Union County Harrison  
The surface of tract is owned in fee by \_\_\_\_\_  
Charles Smith  
Address Salem, WV  
Mineral rights are owned by J. P. Jones  
Address Clarksburg, WV  
Drilling Commenced 10-9-74  
Drilling Completed 10-15-74  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 582M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 65 hrs. before test 1620# RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size 20-16        |                  |              |                               |
| Cond. 13-10"      | 350              | 350          | To Surface                    |
| 9 5/8             |                  |              |                               |
| 8 5/8             | 1409             | 1409         | 90 SKS                        |
| 7                 |                  |              |                               |
| 5 1/2             |                  |              |                               |
| 4 1/2             | 4635             | 4635         | 490 SKS                       |
| 3                 |                  |              |                               |
| 2                 |                  |              |                               |
| Liners Used       |                  |              |                               |

Well treatment details:

Attach copy of cementing record.

Fractured with 845 bbls. water, 60,000# (20-40) sand (Waterfrac).

Perforations: 4501 - 15, 14 holes.

Coal was encountered at 160 Feet 60 Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Benson Depth 4501 - 15

| Formation                | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------------------|-------|--------------|----------|-------------|-------------------|-----------|
| K.B. to G.L.             |       |              | 0        | 11          |                   |           |
| Sand & Shale             |       |              | 11       | 160         |                   |           |
| Coal                     |       |              | 160      | 165         |                   |           |
| Sandy Shale              |       |              | 165      | 900         |                   |           |
| Red Rock & Shale         |       |              | 900      | 925         |                   |           |
| Sand                     |       |              | 925      | 980         |                   |           |
| Sandy Shale              |       |              | 980      | 1410        |                   |           |
| Red Rock & Shale         |       |              | 1410     | 1575        |                   |           |
| L. Lime                  |       |              | 1575     | 1595        |                   |           |
| Shale                    |       |              | 1595     | 1615        |                   |           |
| B. Lime                  |       |              | 1615     | 1680        |                   |           |
| B. Injun                 |       |              | 1680     | 1780        |                   |           |
| Sandy Shale              |       |              | 1780     | 2550        |                   |           |
| → Cored <u>Fish?</u>     |       |              | 2550     | 2583        |                   |           |
| Sandy Shale              |       |              | 2583     | 3410        |                   |           |
| → Cored <u>Balltown?</u> |       |              | 3410     | 3448        |                   |           |
| Sand & Shale             |       |              | 3448     | 4485        |                   |           |
| → Cored <u>Benson</u>    |       |              | 4485     | 4548        |                   |           |
| Sandy Shale              |       |              | 4548     | 4670        |                   |           |
| Total Depth              |       |              | 4670     |             |                   |           |

(over)

\* Indicates Electric Log tops in the remarks section.

JAN 20 1975



| Formation           | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|---------------------|-------|--------------|----------|-------------|-------------------|-----------|
| <u>Electric Log</u> |       |              |          |             |                   |           |
| L. Lime             |       |              | 1576     | 1591        |                   |           |
| B. Lime             |       |              | 1616     | 1682        |                   |           |
| B. Injun            |       |              | 1682     | 1779        |                   |           |
| 50' Sand            |       |              | 2097     | 2160        |                   |           |
| 30' Sand            |       |              | 2195     | 2209        |                   |           |
| 4th Sand            |       |              | 2372     | 2406        |                   |           |
| 5th Sand            |       |              | 2512     | 2526        |                   |           |
| Bayard              |       |              | 2586     | 2616        |                   |           |
| Speechley           |       |              | 3205     | 3240        |                   |           |
| Balltown            |       |              | 3330     | 3458        |                   |           |
| Bradford            |       |              | 3815     | 3976        |                   |           |
| Riley               |       |              | 4324     | 4435        |                   |           |
| Benson              |       |              | 4498     | 4530        |                   |           |
| Total Depth         |       |              |          | 4659        |                   |           |

Date January 2, 19 75

APPROVED Consolidated Gas Supply Corp., Owner

By [Signature] Mgr. of Prod.

(Title)

(Obverse) 7/85 RECEIVED APR 10 1987



1) Date: April 1, 19 87  
 2) Operator's Well No. 11861  
 3) API Well No. 47 033 0862 -FRAC  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas  / B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: 1365' Watershed: Buffalo Creek  
 District: Union County: Harrison 033 Quadrangle: West Milford 608
- 6) WELL OPERATOR CGTC CODE: 10900 7) DESIGNATED AGENT W. A. Fox  
 Address 445 West Main Street Address 445 West Main Street  
 Clarksburg, West Virginia Clarksburg, West Virginia
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Stephen Casey Name Unknown at this time.  
 Address Rt. 2, Box 232-D Address  
 Jane Lew, WV 26378
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  /  
 Plug off old formation  / Perforate new formation  /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Balltown 3330 Comingle with Benson  
 2) Estimated depth of completed well, 4659 feet  
 3) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, 925 feet.  
 4) Approximate coal seam depths: 160-165 Is coal being mined in the area? Yes  / No  /

15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS |       |                |     |      | FOOTAGE INTERVALS |              | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS               |
|-----------------------|----------------|-------|----------------|-----|------|-------------------|--------------|--------------------------------------|-----------------------|
|                       | Size           | Grade | Weight per ft. | New | Used | For drilling      | Left in well |                                      |                       |
| Conductor             | 11 3/4         |       |                |     |      |                   | 350          | To surface                           | Kinds                 |
| Fresh water           |                |       |                |     |      |                   |              |                                      |                       |
| Coal                  | 8 5/8          |       |                |     |      |                   | 1409         | 90 sks.                              | Sizes                 |
| Intermediate          |                |       |                |     |      |                   |              |                                      |                       |
| Production            | 4 1/2          |       |                |     |      |                   | 4603         | 490 sks.                             | Depths set            |
| Tubing                |                |       |                |     |      |                   |              |                                      | Perforations:         |
| Liners                |                |       |                |     |      |                   |              |                                      | Top Bottom            |
|                       |                |       |                |     |      |                   |              |                                      | Unknown at this time. |

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-033-0862-FRAC Date April 27, 1987

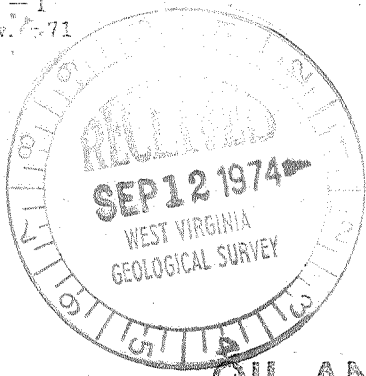
This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer 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 April 27, 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: 38071 38072 193 | WGB: <input checked="" type="checkbox"/> | S&E: <input checked="" type="checkbox"/> | Other: <input checked="" type="checkbox"/> |
|---|--|---|---|----------------------|--|--|--|

NOTE: Keep one copy of this permit posted at the drilling location. Director, Division of Oil and Gas File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

SEP 10 1974

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE September 9, 1974

Surface Owner Charles Smith

Company Consolidated Gas Supply Corporation

Address Route #2, Salem, W. Va.

Address Clarksburg, W. Va.

Mineral Owner John P. Jones

Farm W. W. Wolfe Acres 120

Address 320 Staley Ave. Clarksburg, WV

Location (waters) Buffaloe Creek

Coal Owner Below Coal

Well No. 11861 Elevation 1365'

Address \_\_\_\_\_

District Union, County Harrison

Coal Operator None

Quadrangle WESTON

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 1-10-75

INSPECTOR TO BE NOTIFIED Paul Garrett  
Clarksburg PH: 622-3871  
W.Va.

Robert H. Tolson  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 11-17-09 19     by William W. Wolfe made to Reserve Gas Co. and recorded on the 18th day of December 1909, in Harrison County, Book 179 Page 479

XXX NEW WELL      DRILL DEEPER      REDRILL      FRACTURE OR STIMULATE  
     OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address      day      before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505  
AC 304-296-4461

Very truly yours,  
(Sign Name) W. C. Payne Manager of Prod.  
Well Operator

Address  
of  
Well Operator

Consolidated Gas Supply Corporation  
Street  
145 West Main Street  
City or Town  
Clarksburg, W. Va.  
State

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

Har-862 PERMIT NUMBER  
47-033

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME S. W. Jack Drilling Company NAME R. E. Rayne  
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.  
 TELEPHONE - - TELEPHONE 623-3611  
 ESTIMATED DEPTH OF COMPLETED WELL: 14620' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Benson  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XXX COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

| CASING AND TUBING SIZE | USED FOR DRILLING | LEFT IN WELL | CEMENT FILL UP OR SACKS - CUBIC FT. |
|------------------------|-------------------|--------------|-------------------------------------|
| *20x-16"               | 20'               | 20'          | To surface                          |
| XI33XX 11"             | 325'              | 325'         | To surface                          |
| 9 - 5/8                |                   |              |                                     |
| 8 - 5/8                | 1400'             | 1400'        | 75 bags                             |
| 7                      |                   |              |                                     |
| 5 1/2                  |                   |              |                                     |
| 4 1/2                  | 14620'            | 14620'       | 125 bags                            |
| 3                      |                   |              | Perf. Top                           |
| 2                      |                   |              | Perf. Bottom                        |
| Liners                 |                   |              | Perf. Top                           |
|                        |                   |              | Perf. Bottom                        |

APPROXIMATE FRESH WATER DEPTHS 105' FEET \_\_\_\_\_ SALT WATER None FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS This well is below coal \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title