



1) Date: June 19, 19 84
 2) Operator's Well No. Severn S1-TW26
 3) API Well No. 47 - 73 - 1869 - Rev
 State County Permit

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AUG 1 0 1984

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

OIL & GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

DEPT. OF MINES

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage Deep / Shallow)
 5) LOCATION: Elevation: 1122 Watershed: Coal Bank Run of French Creek (057E)
 District: Jefferson County: Pleasants Quadrangle: Schultz
 6) WELL OPERATOR Techwell, Inc. 7) DESIGNATED AGENT Darus Zehrbach
 Address PO Box 796 Address same
Morgantown, WV 26505
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Bob Lowther 758-4764 Name _____
 Address General Delivery Address _____
Middlebourne, WV 26149
 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, Gordon
 12) Estimated depth of completed well, 3300 feet
 13) Approximate trata depths: Fresh, 322 feet; salt, _____ feet.
 14) Approximate coal seam depths: NA Is coal being mined in the area? Yes / No

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OIL & GAS DIVISION
DEPT. OF MINES

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 | 13 | | | | <input checked="" type="checkbox"/> | 20 | | | Kinds |
| Fresh water | 11.75 | | | <input checked="" type="checkbox"/> | | 350 | 350 | CTS NEAF | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 8.625 | | | <input checked="" type="checkbox"/> | | 1900 | 1900 | CTS | |
| Production | 4.5 | | | <input checked="" type="checkbox"/> | | 3300 | 3300 | Rule 15-01 | Depths set |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Perforations: Top Bottom |

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-073-1869-Rev

August 28, 1984
Date

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 August 28, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|-------------------------|---------------------|--------------------|---------------------|--------------------|
| Bond: BLANKET | Agent: <u>LS</u> | Plat: <u>MW</u> | Casing <u>MW</u> | Fee <u>1008</u> |
|-------------------------|---------------------|--------------------|---------------------|--------------------|

Margaret J. Hesse
Administrator, Office of Oil and Gas

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

File



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AUG 3 0 1984

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) LOCATION: B (1) "Gas", Production X
Elevation: 1122
District: Jefferson
County: Pleasants
Watershed: Coal Bank Run of French Creek (0272)
Underground storage X
Shallow X

2) WELL OPERATOR: Fechtel, Inc.
Address: PO Box 798
Morgantown, WV 26305

3) DESIGNATED AGENT: James Zehrbach
Address: _____

4) DRILLING CONTRACTOR: _____
Name: _____
Address: _____

5) PROPOSED WELL WORK: Drill X
Depth: _____
Type of old formation: _____
Type of new formation: _____
Other physical change in well (specify): _____

6) GEOLOGICAL TARGET FORMATION: Gordon

7) Estimated depth of completed well: 3300 feet

8) Approximate true depth: Fresh: 328 feet
Salt: _____ feet

9) Approximate coal seam depths: NA
Is coal being mined in the area? Yes _____ No X

| Casing or tubing type | Casing or tubing weight per ft. | Casing or tubing length | Casing or tubing depth | Casing or tubing diameter | Casing or tubing material | Casing or tubing manufacturer | Casing or tubing date | Casing or tubing condition | Casing or tubing remarks |
|-----------------------|---------------------------------|-------------------------|------------------------|---------------------------|---------------------------|-------------------------------|-----------------------|----------------------------|--------------------------|
| | | | | | | | | | |
| Conductor | 13 | | | | | | | | |
| Flow line | 11.75 | | | | | | | | |
| Case | 8.825 | | | | | | | | |
| Production | 4.5 | | | | | | | | |

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

| | Date | Date(s) |
|------------------------------------|------|---------|
| Application received | | |
| Well work started | | |
| Completion of the drilling process | | |
| Well Record received | | |
| Reclamation completed | | |

OTHER INSPECTIONS

Reason: _____

Reason: _____

| | | | | |
|---------|------|-------|--------|-----|
| Blanket | Area | Dist. | Casing | Per |
|---------|------|-------|--------|-----|

1) Date: June 19, 19 84
2) Operator's Well No. Severn S1-TW26
3) API Well No. 47 - 73 - 1869
State County Permi-

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name F.K. Seller
Address Rt. 1 Box 227
Williamstown, WV 26187
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

P 534 377 603

TO THE PERSON(S) NAME
(1) The Applicant to be plugged and describe cementing process
(2) The plat (survey)
(3) The Construction and Reclamation Plan

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

and the following documents:
(or Form IV-4 if the well is for the drilling or other work, or for the proposed casing and wellhead, Form IV-6; and unless the well work is only to control sediment control and for

THE REASON YOU FOR WHICH ARE SUMMARIZED (FORM IV-2(B) OR FORM IV-2(C)) ACTION AT ALL.

Take notice that the operator proposes to file for a Well Work Permit with the Department of Mines, Oil and Gas, West Virginia and depicted on attached Construction and Reclamation Plan by hand to the person before the day of mail

| | |
|---|------------------------|
| Sent to | <u>F.K. Seller</u> |
| Street and No. | <u>Rt. 1, Box 227</u> |
| P.O., State and ZIP Code | <u>Williamstown WV</u> |
| Postage | <u>1.37</u> |
| Certified Fee | <u>.75</u> |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to whom and Date Delivered | <u>.60</u> |
| Return receipt showing to whom, Date, and Address of Delivery | |
| TOTAL Postage and Fees | <u>\$1.72</u> |
| Postmark or Date | <u>SEP 24 1984</u> |

RIGHTS REGARDING THE APPLICATION OF THE COPY OF THE APPLICATION NOT REQUIRED TO TAKE ANY

the undersigned well operator and accompanying documents filed with the Department of Mines, Oil and Gas, West Virginia as required on attached Application, the plat, and the certified mail or delivered in circumstances) on or

6) EXTRACTION RIGHTS
Check and provide
 Included is the I hold the
 The requirements

7) ROYALTY PROVISION
Is the right to enter or other contract for compensation to the volume of

contract or contracts by which (reverse side for specifics.)

based upon a lease or leases or any similar provision is not inherently related? Yes No

ed. If the answer is Yes,

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

WELL OPERATOR Techwell, Inc.
By [Signature]
Its Designated Agent
Address P.O. Box 796
Morgantown, WV 26505
Telephone 304/291-3843

this 24 day of September, 1983.
My commission expires March 24, 1991.
[Signature]
Notary Public, Mason County,
State of West Virginia

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

| | | | | |
|-----------------------|-----------------------|---------|------|------|
| | | | | |
| Grantor, lessor, etc. | Grantee, lessee, etc. | Royalty | Book | Page |



1) Date: June 19, 19 84
 2) Operator's Well No. Seyern S1-TW26
 3) API Well No. 47 73
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1122 Watershed: Coal Bank Run of French Creek
 District: Jefferson County: Pleasants Quadrangle: Schultz
- 6) WELL OPERATOR Techwell, Inc. 7) DESIGNATED AGENT Darus Zehrbach
 Address PO Box 796 Address _____
Morgantown, WV 26505
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Bob Lowther 758-4764 Name _____
 Address General Delivery Address _____
Middlebourne, WV 26149
- 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, Gordon
- 12) Estimated depth of completed well, 3300 feet
 13) Approximate strata depths: Fresh, 322 feet; salt, _____ feet.
 14) Approximate coal seam depths: NA 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 | <u>13</u> | | | | <input checked="" type="checkbox"/> | <u>20</u> | | | Kinds |
| Fresh water | <u>11.75</u> | | | <input checked="" type="checkbox"/> | | <u>350</u> | <u>350</u> | <u>CTS</u> | Sizes |
| Coal | | | | | | | | | Depths set |
| Intermediate | <u>8.625</u> | | | <input checked="" type="checkbox"/> | | <u>1900</u> | <u>1900</u> | <u>CTS</u> | |
| Production | <u>4.5</u> | | | <input checked="" type="checkbox"/> | | <u>3300</u> | <u>3300</u> | <u>Rule 15-01</u> | |
| Tubing | | | | | | | | | Perforations: |
| Liners | | | | | | | | | Top Bottom |

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By Margaret J. Hesse
 Its _____



IV-9
(Rev 8-81)

DATE 31 MAY, 1984

WELL NO. SEVERN #57

State of West Virginia

API NO. 47 - 073 - 1869

Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

COMPANY NAME TECHWELL, INC.
ADDRESS P.O. Box 796
MORGANTOWN, W.VA. 26505
Telephone (304) 291-3843

DESIGNATED AGENT DARUS ZEHRBACH
ADDRESS P.O. Box 796
MORGANTOWN, W.VA. 26505
Telephone (304) 291-3843

LANDOWNER S.G. GIBONEY

SOIL CONS. DISTRICT UPPER OHIO

Revegetation to be carried out by TECHWELL, INC. (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan:

6/28/84
(Date)

Kenneth R. Mason
(SCD Agent)

| ACCESS ROAD | LOCATION |
|------------------------|-------------------------|
| Structure _____ (1) | Structure <u>XO</u> (1) |
| Spacing _____ | Material _____ |
| Page Ref. Manual _____ | Page Ref. Manual _____ |
| Structure _____ (B) | Structure _____ (2) |
| Spacing _____ | Material _____ |
| Page Ref. Manual _____ | Page Ref. Manual _____ |
| Structure _____ (C) | Structure _____ (3) |
| Spacing _____ | Material _____ |
| Page Ref. Manual _____ | Page Ref. Manual _____ |

REPAIRS FOR 14 DAYS FOLLOWED

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch HAY OR STRAW 2 Tons/acre

Seed* ORCHARD GRASS 12 lbs/acre
LADINO CLOVER 3 lbs/acre
TIMOTHY 6 lbs/acre
lbs/acre

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch HAY OR STRAW 2 Tons/acre

Seed* ORCHARD GRASS 12 lbs/acre
LADINO CLOVER 3 lbs/acre
TIMOTHY 6 lbs/acre
lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

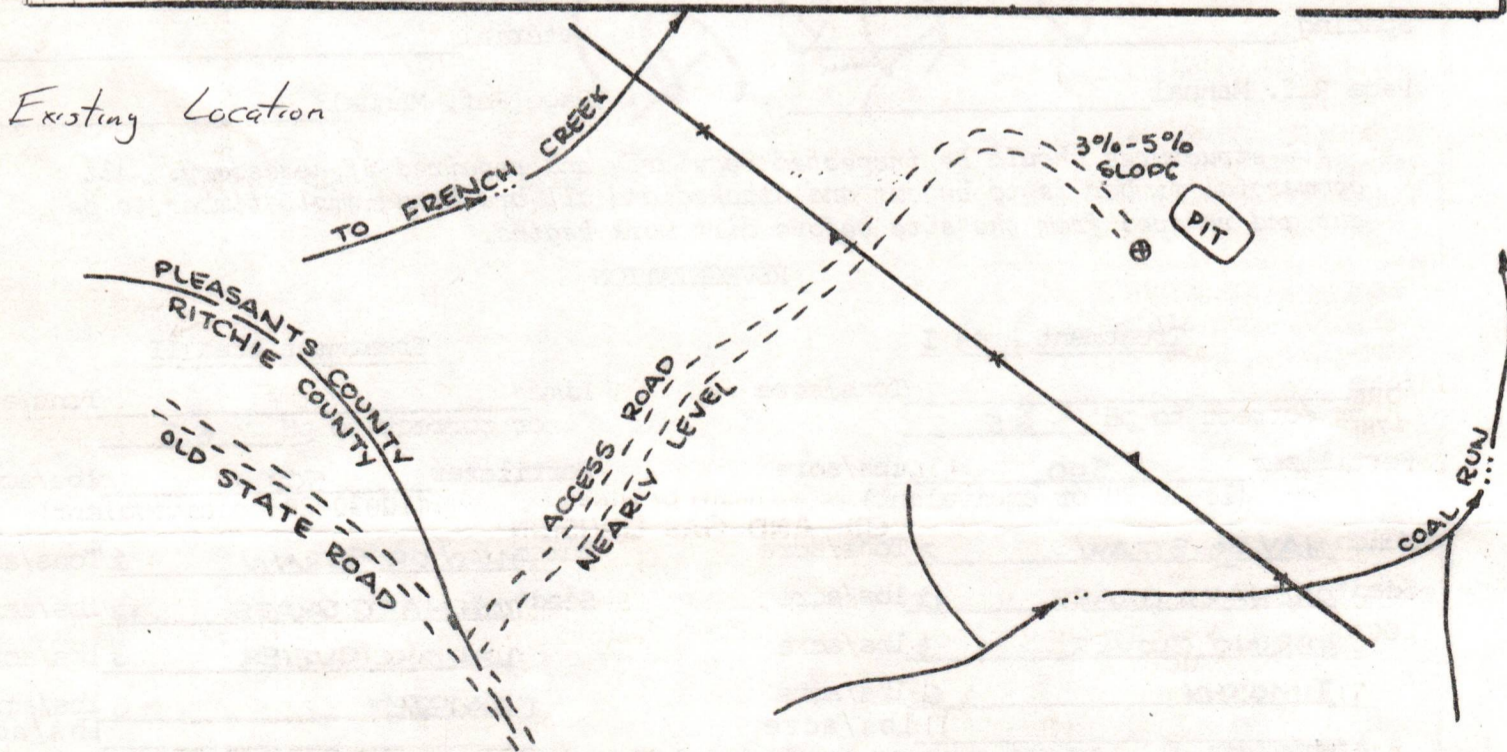
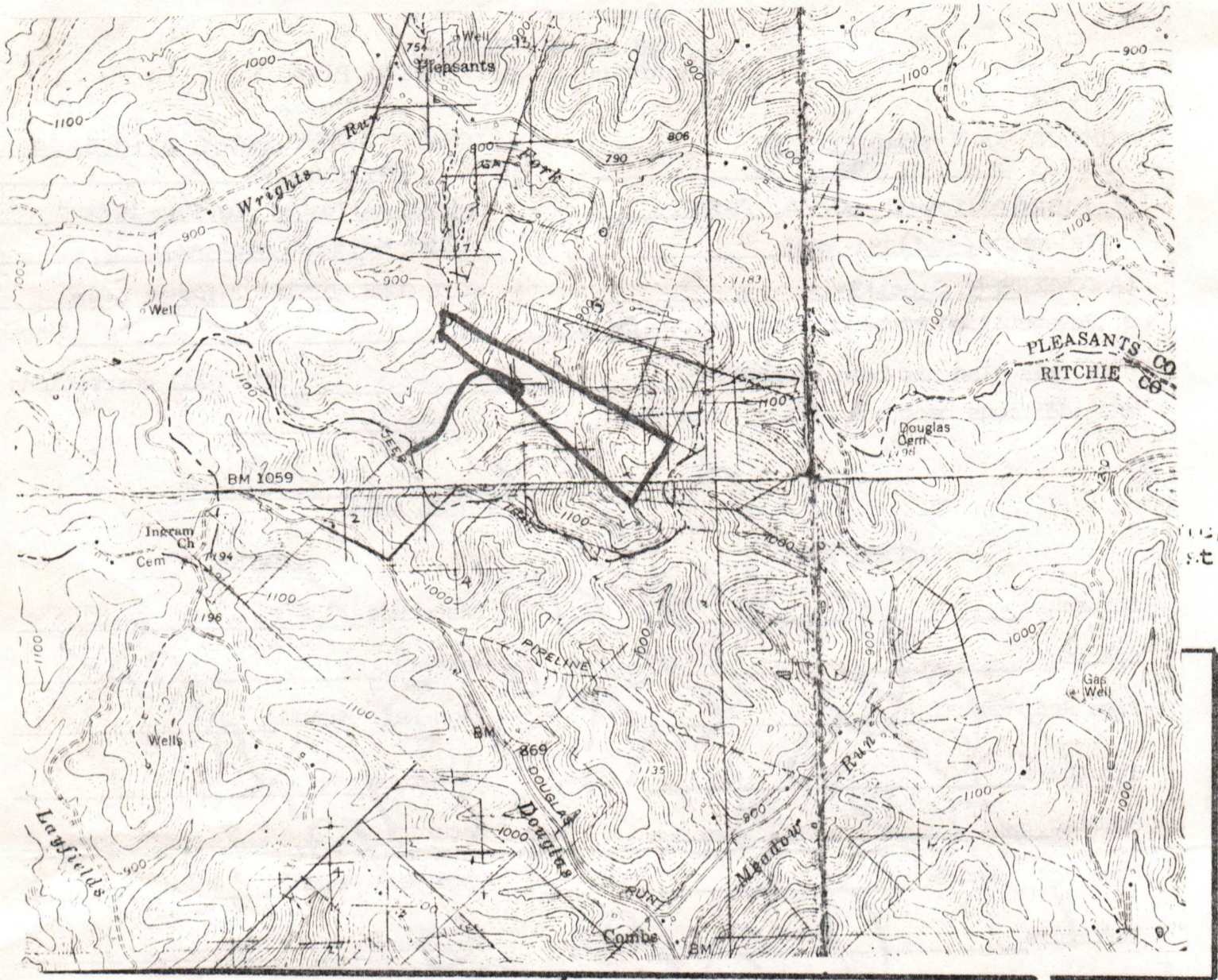
PLAN PREPARED BY WILLIAM R. MOSSOR, L.L.S. 551

ADDRESS 106 NORTH SPRING STREET
HARRISVILLE, W.VA. 26362

PHONE NO. (304) 643-4572

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE SCHULTZ

LEGEND
WELL SITE ⊕ ACCESS ROAD—



- Comments:
1. LENGTH OF ACCESS ROAD 2000'
 2. BRUSH TO BE PILED AND BURNED AT SITE.
 3. TREES TO BE CUT AND STACKED AT SITE.
 4. LOCATION LOCATED ON RIDGE
 5. LOCATION LEVEL- NO CUT OR FILL NEEDED.

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

800 Barrels water and sand with Nitrogen assist
 1st stage--2346-2340 20 shots
 2290-2280 30 shots
 2nd stage--2084-2078 24 shots
 2074-2068 24 shots
 3rd stage--1934-1928 15 shots
 1905-1900 20 shots
 1880-1874 24 shots
 1776-1770 24 shots

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|------------------------------|-------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Overburden | | | 0 | 20 | |
| Shale | | | 20 | 500 | |
| Sandstone & Shale | | | 500 | 700 | |
| Shale, Siltstone & Sandstone | | | 700 | 1000 | |
| Sandstone | | | 1000 | 1060 | |
| Shale & Siltstone | | | 1060 | 1090 | |
| Sandstone | | | 1090 | 1140 | |
| Shale, Siltstone & Sandstone | | | 1140 | 1370 | |
| Shale & Coal | | | 1370 | 1380 | |
| Shale & Siltstone | | | 1380 | 1420 | |
| Sandstone & Coal | | | 1420 | 1430 | |
| Sandstone | | | 1430 | 1620 | |
| Shale & Sandstone | | | 1620 | 1710 | |
| Sandstone | | | 1710 | 1780 | |
| Sandstone & Shale | | | 1780 | 1840 | |
| Sandstone | | | 1840 | 2040 | |
| Sandstone & Limestone | | | 2040 | 2050 | Big Lime |
| Sandstone, Shale & Siltstone | | | 2050 | 2100 | |
| Shale & Siltstone | | | 2100 | 2210 | Big Injun |
| Shale | | | 2210 | 2540 | |
| Siltstone | | | 2540 | 2620 | |
| Shale & Siltstone | | | 2620 | 2780 | |
| Shale, Sandstone & Siltstone | | | 2780 | 2790 | |
| Shale & Siltstone | | | 2790 | 2940 | |
| TOTAL DEPTH | | | | 2940 | |

(Attach separate sheets as necessary)

Techwell, Inc.

Well Operator

By: E. Ray Garton E. Ray Garton

Date: May 10, 1985

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."

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

RECEIVED
SEP 17 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1869

Oil or Gas Well _____
(KIND)

Company Teckwell INC
 Address Morgantown W. Va
 Farm Severn
 Well No. S1-TW26
 District Jefferson County Pleasant
 Drilling commenced Sept 12, 1984
 Drilling completed _____ Total depth 275
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 100 feet _____ feet
 Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------------|
| Size | | | |
| 16 | | | Kind of Packer _____ |
| 13 | | | |
| 10 <u>11 3/4</u> | <u>235</u> | <u>235</u> | Size of _____ |
| 8 1/4 | | | |
| 6 5/8 | | | Depth set _____ |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED 11 3/4 SIZE 235 No. FT. 9-13 Date 84
 NAME OF SERVICE COMPANY Nowaco
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____
 Remarks: Contractor C T Drilling Rig 1

RA Sept 13, 1984
DATE

R.A. Lowther
SIGNATURE

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

RECEIVED

SEP 19 1984

OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1869

Oil or Gas Well _____
(KIND)

| Company | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|---|--|------------------|--------------|----------------------|
| <u>Teckwell INC</u> | Size | | | |
| <u>Morgantown W. Va</u> | 16 | | | Kind of Packer _____ |
| <u>Severn</u> | 13 | | | |
| <u>S1-TW26</u> | 10 | | | Size of _____ |
| <u>Jefferson County Pleasant</u> | 8 1/4 | <u>1214</u> | <u>1214</u> | |
| Drilling commenced _____ | 6% | | | Depth set _____ |
| Drilling completed <u>9-17-84</u> Total depth <u>2940</u> | 5 3/16 | <u>2915</u> | <u>2915</u> | |
| Date shot _____ Depth of shot _____ | 3 | | | Perf. top _____ |
| Initial open flow _____ /10ths Water in _____ Inch | 2 | | | Perf. bottom _____ |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | Liners Used | | | Perf. top _____ |
| Volume _____ Cu. Ft. | | | | Perf. bottom _____ |
| Rock pressure _____ lbs. _____ hrs. | CASING CEMENTED <u>4 1/2</u> SIZE <u>2915</u> No. FT <u>9-17-84</u> Date | | | |
| Oil _____ bbls., 1st 24 hrs. | NAME OF SERVICE COMPANY <u>Nowaco</u> | | | |
| Fresh water _____ feet _____ feet | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES | | | |
| Salt water <u>1870</u> feet <u>506</u> feet | _____ FEET _____ INCHES FEET _____ INCHES | | | |
| | _____ FEET _____ INCHES FEET _____ INCHES | | | |

Drillers' Names _____

Remarks: 8 5/8" casing cemented 9-14-84 by nowaco

Sept 17, 1984
DATE

R. A. Lowther
DISTRICT WELL INSPECTOR



MAR 28 1986

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

Permit Issued: 8-28-84

COMPANY Teckwell INC
P.O. Box 796
Morgantown W. Va 26505

PERMIT NO 47-073-1869
FARM & WELL NO Severn S1
DIST. & COUNTY Jefferson/Pleasants

| RULE | DESCRIPTION | IN COMPLIANCE | |
|-------|---|---------------|----|
| | | YES | NO |
| 23.06 | Notification Prior to Starting Work | | |
| 25.04 | Prepared before Drilling to Prevent Waste | | |
| 25.03 | High-Pressure Drilling | | |
| 16.01 | Required Permits at Wellsite | | |
| 15.03 | Adequate Fresh Water Casing | | |
| 15.02 | Adequate Coal Casing | | |
| 15.01 | Adequate Production Casing | | |
| 15.04 | Adequate Cement Strenght | | |
| 15.05 | Cement Type | | |
| 23.02 | Maintained Access Roads | | |
| 25.01 | Necessary Equipment to Prevent Waste | | |
| 23.04 | Reclaimed Drilling Pits | | |
| 23.05 | No Surface or Underground Pollution | | |
| 23.07 | Requirements for Production & Gathering Pipelines | | |
| 16.01 | Well Records on Site | | |
| 16.02 | Well Records Filed | | |
| 7.05 | Identification Markings | | |

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED R.A. Lowther
DATE Mar 26, 1986

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

[Signature]
Oil & Gas Division

April 16, 1986

DATE



State of New Jersey
Department of Education
Division of Public Instruction
100 State Street
Trenton, New Jersey 08646

Handwritten notes and signatures at the top of the page, including a signature that appears to be "T. J. [unclear]" and some illegible text.

Main body of handwritten text, possibly a letter or report, with several lines of cursive writing that are mostly illegible due to fading and bleed-through.

Additional handwritten text at the bottom of the page, including a signature and some illegible notes.

Handwritten signature and a blacked-out redaction mark at the bottom left of the page.

Violation No. V86-2042

VI-27

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS



Date: Mar 19, 1986

Well No: 51

API NO: 47-073 1869
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS
NOTICE OF VIOLATION

MAR 21 1986

Well TYPE: Oil ___ / Gas Liquid Injection ___ / Waste Disposal ___ /
Of "Gas" - Production / Storage ___ / Deep ___ / Shallow

LOCATION: Elevation: 1122 Watershed: French Creek
District: Jefferson County: Pleasants Quadrangle: Schully

48450

WELL OPERATOR Teckwell Inc DESIGNATED AGENT Darius Zehabach
Address P.O. Box 796 Address same
Morgantown W.Va.

The above well is being posted this 19 day of Mar, 1986, for a violation of Code 22B-1-~~16a~~ and/or Regulation _____, set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

Failure to File well Record (Form IV 35) within 90 Days after completion of Drilling

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until Mar 26, 1986, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22B, Article 1.

Robert A. Lowther
Oil and Gas Inspector

Address Middlebourne
W.Va. 26149

Telephone: 758-4764



Violation No. 86-2042

VI-27

DIVISION OF OIL AND GAS

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS
NOTICE OF VIOLATION

MAR 21 1986

Date: Mar 19 1986
Well No: 21
API No: 878-1869
State: County: Putnam

Well TYPE: Oil Gas Liquid Injection Waste Disposal
OF "Gas" - Production Storage Deep Shallow
LOCATION: Elevation: 1122 Watershed: French Creek
District: Putnam County: Putnam
Well Operator: Technical Inc
Address: P.O. Box 710
Marshall

The above well is being posted this 19 day of Mar, 1986.
Violation of Code 22B-1-2 (a) and/or Regulation 100 set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)
Failure to file well Record (Form IV-3) within 30 days after completion of drilling

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator at the designated address.
You are hereby granted until Mar 30 1986 to abate this violation.
Failure to abate the violation may result in action by the Department under Code 22B, Article 1.

Robert A. Fowler
Oil and Gas Inspector

Address: Michelle
W. Va. 26101

Telephone: 728-4764

48950

IV-27
9-83

RECEIVED
MAY 22 1985



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: May 20, 85
Well No: 5-1
API NO: 47-073 1869
State County Permit

509

OIL & GAS DIVISION
DEPT. OF MINES **Oil and Gas Division**

NOTICE OF VIOLATION

WELL TYPE: Oil Gas Liquid Injection / Waste Disposal
Of "Gas" - Production Storage / Deep / Shallow
LOCATION: Elevation: 1122 Watershed: French Creek
District: Jefferson County: Pleasants Quadrangle: Schultz
WELL OPERATOR Teckwell Inc DESIGNATED AGENT Garus H Zehrbach
Address P.O. Box 796 Address same
Morgantown W. Va 26505

The above well is being posted this 20 day of May, 1985, for a violation of Code 22-4-12B and/or Regulation _____, set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

*Failure to Re claim well site within 6 months
After completion of Drilling*

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until May 27, 1985, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Robert A. Lowthie
Oil and Gas Inspector

Address Middlebourne

W. Va. 26149

Telephone: 758-4764

08870



RECEIVED
MAY 2 1982

IV-27
9-88

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES and Gas Division

NOTICE OF VIOLATION

Date: May 20 82
Well No: 1271
API No: 1-073 1869
State County Permit

WELL TYPE: Oil Gas Liquid Injection Waste Disposal
 Production Storage Deep Shallow

LOCATION: Elevation: 1152 Watered: French Creek
District: Putnam County Pleasants Quadrangle
WELL OPERATOR: Jackson Lumber Co. Designated Agent: James H. Jackson
Address: P.O. Box 794
Farmington, Va 25625

The above well is being posted this 20 day of May, 1982, for a violation of Code 22-4-18 and/or regulation set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)
Failure to re claim well site within 6 months after completion of drilling

A copy of this notice has been posted at the well site and sent by certified registered mail to the indicated well operator or his designated agent. You are hereby granted until May 27, 1982, to abate this violation. Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Robert A. Fawcett
Oil and Gas Inspector

Address: Mitchell

Telephone: 784-4744
W. Va. 26109

RECEIVED

JUN 11 1983

DEPT. OF MINES
OIL & GAS DIVISION

Date: June 7 1983
Operator's Well Number: 21
API Well No.: 073 - 1869
State: County: Permit:

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES OFFICE OF OIL AND GAS
ORDER FOR FAILURE TO ABATE VIOLATION

WELL TYPE: Oil Gas Liquid Injection Waste disposal
LOCATION: Production Storage Underground
Elevation: 1152
Waterfront: Shallow Deep
WELL OPERATOR: *Apprentice of the Department of Mines*
DESIGNATED AGENT: *James H. [unclear]*
Address: *901 Box 770 [unclear]*

Notice is hereby given that the undersigned authorized oil and gas inspector has made a special inspection of the above-named well on June 7 1983. The violation of Code 22-4-12B, Form IV-28, Imminent Danger Order, at this date has not been totally abated and it has been determined that no further extension of time should be permitted for the following reasons:

(USE REVERSE SIDE OF THIS ORDER IF NECESSARY)
Failure to Ro Clean well site within 6 months after completion of drilling

In accordance with Code 22-4-11, a well operator or complaining coal operator, owner, or lessee may apply for review of this Order within 15 days of the date of the Order.
To cease further operations until the violation has been fully abated
To continue cessation of operations until the imminent danger is fully abated
Therefore, in accordance with the provisions of Code 22-4-10, the well operator is hereby ORDERED:

PURCHASER: *Robert A. [unclear]*
Address: *1501 [unclear]*
Telephone: *758-4114*
Inspector: *Robert A. [unclear]*

(Copies of this ORDER have been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.)

RECEIVED
JUL 8 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

Date: July 3 85
Operator's SI
Well Number _____
API Well No.: 47 - 073 - 1869
State County Permit

509

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

NOTICE OF ABATEMENT

WELL TYPE: Oil _____ / Gas / Liquid Injection _____ / Waste disposal _____
If "Gas" - Production / Storage _____ / Deep _____ / Shallow _____
LOCATION: Elevation: 422 / Watershed: French creek
District: Jefferson / County: Pleasant / Quadrangle: Schubley
WELL OPERATOR Tschubert / DESIGNATED AGENT Darius Tschubert
Address P.O. Box 786 / Address same
Morgantown W. Va.

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on July 3, 19 85.
The violation of Code § 22-4-1213 heretofore found to exist on May 20, 19 85, by Form IV-27, "Notice of Violation" / Form IV-28, "Imminent Danger Order" _____ of that date has been totally abated. If the abated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS well site is Re claimed

D-164

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

R. A. Lowther
Oil and Gas Inspector
Address Middlebourn
W. Va.
Telephone 758-4764

RECEIVED
JUL 8 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

Date: July 3 85
Operator: 21
Well Number: 078 1869
API Well No.: 47
State: County: Permit:

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

NOTICE OF ABATEMENT

WELL TYPE: Gas Liquid Injection Waste disposal

LOCATION: Production Storage Deep Shallow Underground

WELL OPERATOR: W. H. ...
 Address: ...
 District: ...
 County: ...
 Elevation: ...

DESIGNATED AGENT: ...
 Address: ...
 County: ...
 District: ...

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on July 3 1985. The violation of Code 20-2-12b heretofore found to exist on May 30 1985 by Form IV-27, "Notice of Violation," Form IV-28, "Imminent Danger Order," of that date has been totally abated. It is hereby notified that he may resume operations.

Well site is re-claimed

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

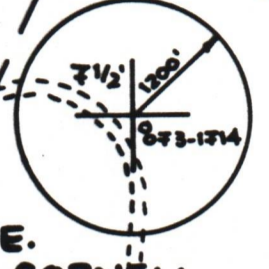
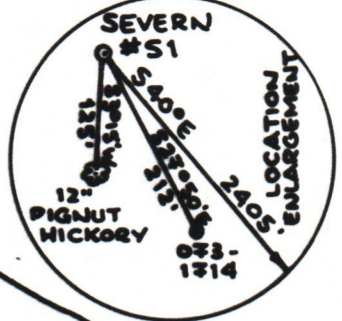
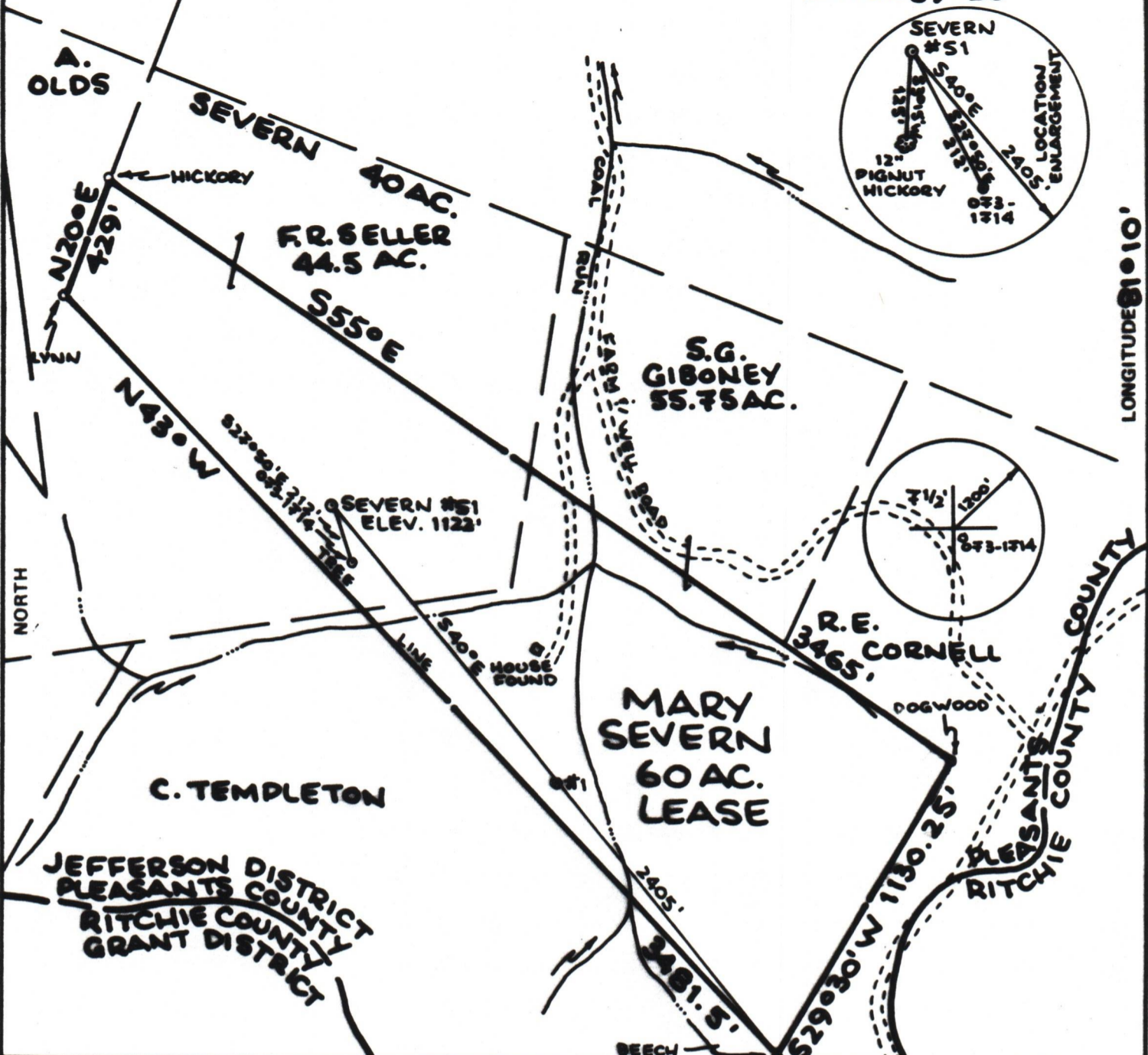
Officer/Inspector: R. A. ...
 Address: ...
 Telephone: 758-4764

222 9/14/84

2690

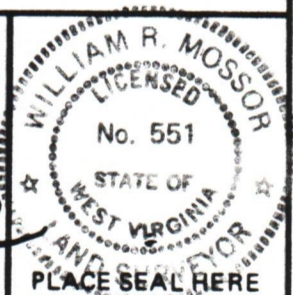
LATITUDE 39°20'

LONGITUDE 81°10'



FILE NO. _____
 DRAWING NO. _____
 SCALE **1"=500'**
 MINIMUM DEGREE OF ACCURACY **1:200**
 PROVEN SOURCE OF ELEVATION **ROAD INT. ELEV. 790'**

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 MINES.
 (SIGNED) William R. Mossor
 R.P.E. _____ L.L.S. **551**



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



DATE **13 SEPTEMBER**, 19 **84**
 OPERATOR'S WELL NO. **SEVERN #51**
 API WELL NO. _____
47 - **073** - **1869-Rev.**
 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 **1122'** WATER SHED **COAL BANK RUN OF FRENCH CREEK**
 DISTRICT **JEFFERSON** COUNTY **PLEASANTS**
 QUADRANGLE **SCHULTZ 3 1/2' QUAD.**
 SURFACE OWNER **F.R. SELLER** ACREAGE **44.5**
 OIL & GAS ROYALTY OWNER **MARY SEVERN** LEASE ACREAGE **60**
 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) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION **GORDON** ESTIMATED DEPTH **3300'**
 WELL OPERATOR **TECHWELL, INC.** DESIGNATED AGENT **DARUS EHRBACH**
 ADDRESS **P.O. BOX 796** ADDRESS **P.O. BOX 796**
MORGANTOWN, W.VA. 26505 **MORGANTOWN, W.VA. 26505**