



1) Date: June 4, 19 84  
 2) Operator's Well No. 2-S-311  
 3) API Well No. 47 - 079 - 1121  
 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: 920' Watershed: Left Fork of Buffalo Creek K31  
 District: Union 6 County: Putnam Quadrangle: Bancroft 7.5' 229
- 6) WELL OPERATOR Spartan Gas Company 46600 7) DESIGNATED AGENT William M. Ryan  
 Address P.O. Box 766 Address P.O. Box 766  
Charleston, WV 25323 Charleston, WV 25323
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Jerry Holcomb Name \_\_\_\_\_  
 Address Rural Rt. #1-Box 28 Address \_\_\_\_\_  
Hamlin, WV 25523
- 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, Devonian Shale
- 12) Estimated depth of completed well, 4300' feet
- 13) Approximate trata depths: Fresh, 100', 250' feet; salt, 1150', 1750' feet.
- 14) Approximate coal seam depths: 500 Is coal being mined in the area? Yes \_\_\_\_\_ / No  /
- 15) CASING AND TUBING PROGRAM

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OIL & GAS DIVISION  
 DEPT. OF MINES

| 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"            |       |                | X   |      | 30'               | 30'          | By Hand                              | Kinds         |
| Fresh water           |                |       |                |     |      |                   |              |                                      |               |
| Coal                  | 9-5/8"         | J-55  | 36#            | X   |      | 600'              | 600'         | To Surface                           | NEAT          |
| Intermediate          | 7"             | J-55  | 20#            | X   |      | 2700'             | 2700'        | 50 sx                                |               |
| Production            |                |       |                |     |      |                   |              |                                      | Depths set    |
| Tubing                |                |       |                |     |      |                   |              |                                      | Perforations: |
| Liners                | 5 1/2"         |       | 15 1/2#        | X   |      | 0                 | 2000'        |                                      | Top Bottom    |

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-079-1121

July 19, 19 84  
 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 July 19, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

|                         |                     |                    |                     |                     |
|-------------------------|---------------------|--------------------|---------------------|---------------------|
| Bond:<br><b>BLANKET</b> | Agent:<br><u>Lo</u> | Plat:<br><u>MH</u> | Casing<br><u>MH</u> | Fee<br><u>14474</u> |
|-------------------------|---------------------|--------------------|---------------------|---------------------|

*T. J. ...*

Administrator, Office of Oil and Gas

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

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

File





STATE OF WEST VIRGINIA

OFFICE USE ONLY

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

1) WELL OPERATOR: Spears Gas Company  
 Address: 200 Box 766  
Charleston, WV 25328

2) LOCATION: Union  
 District: Union  
 Elevation: 320'  
 B (ft) Gas Production: 320'

3) DESIGNATED AGENT: William E. Ryan  
 Address: 200 Box 766  
Charleston, WV 25328

4) DRILLING CONTRACTOR: Jerry Holcomb  
 Address: 200 Box 766  
Charleston, WV 25328

5) PROPOSED WELL WORK: Drill  
 Plan: off old formation  
 Other physical change in well (specify): Devonian Shale

6) GEOLOGICAL LABEL FORMATION: Devonian Shale

7) APPROXIMATE COAL SEAM DEPTH: 500'

8) APPROXIMATE LITARE DEPTH: 500'

9) ESTIMATED DEPTH OF COMPLETED WELL: 4300'

10) IS COAL BEING MINED IN THE AREA? Yes

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OIL & GAS DIVISION

| Casing Tubing Type | Size    | Grade | Weight per ft. | SPECIFIC GRAVITY |       | Per cent | Interval | Cement Slurry | Packers |
|--------------------|---------|-------|----------------|------------------|-------|----------|----------|---------------|---------|
|                    |         |       |                | Lead             | Net   |          |          |               |         |
| Gasoline           | 1 3/4"  | X     | 30             | 30'              | 30'   | 30'      | 30'      | 30'           | None    |
| Coal               | 9-3/16" | X     | 5-25 30'       | 800'             | 800'  | 800'     | 800'     | To Surface    | None    |
| Intermediate       | 7"      | X     | 5-25 20'       | 2700'            | 2700' | 2700'    | 2700'    | 30'           | None    |

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: \_\_\_\_\_

Permit expires: July 12, 1988

Permit number: 7-129-1101

Agent: William E. Ryan

Blanket





IV-9  
(Rev 8-81)

DATE June 28, 1984

WELL NO. 2-S-311

State of West Virginia

API NO. 47 - 079 - 1121

Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Spartan Gas Company

DESIGNATED AGENT William M. Ryan

Address P.O. Box 766

Address P.O. Box 766

Telephone 925-0317

Telephone 925-0317

LANDOWNER Charles Casto

SOIL CONS. DISTRICT Western

Revegetation to be carried out by Spartan Gas Company (Agent)...

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

7/2/84  
(Date)  
Steven B. Feese  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert 12"

(A)

Structure Diversion Ditch (1)

Spacing where indicated

Material Earthen

Page Ref. Manual \_\_\_\_\_

Page Ref. Manual 2-12

Structure Cross Drains

(B)

Structure Rip Rap (2)

Spacing 135' to 60'

Material Stone Brush and/or Strain

Page Ref. Manual 2-4

Page Ref. Manual N/A

Structure Drainage Ditch

(C)

Structure \_\_\_\_\_ (3)

Spacing on upper side of road

Material \_\_\_\_\_

Page Ref. Manual 2-12

Page Ref. Manual \_\_\_\_\_

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

Treatment Area II

Lime Two (2) Tons/acre  
or correct to pH 6.5

Lime Two (2) Tons/acre  
or correct to pH 6.5

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

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

Mulch Hay; Two (2) Tons/acre

Mulch Hay; Two (2) Tons/acre

Seed\* Orchard Grass 15 lbs/acre

Seed\* Orchard Grass 15 lbs/acre

Ladina Clover 4 lbs/acre

Ladina Clover 4 lbs/acre

lbs/acre

lbs/acre

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

PLAN PREPARED BY Stephen F. Barrett

ADDRESS P.O. Box 766

Charleston, WV 25323


PHONE NO. 925-0317


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

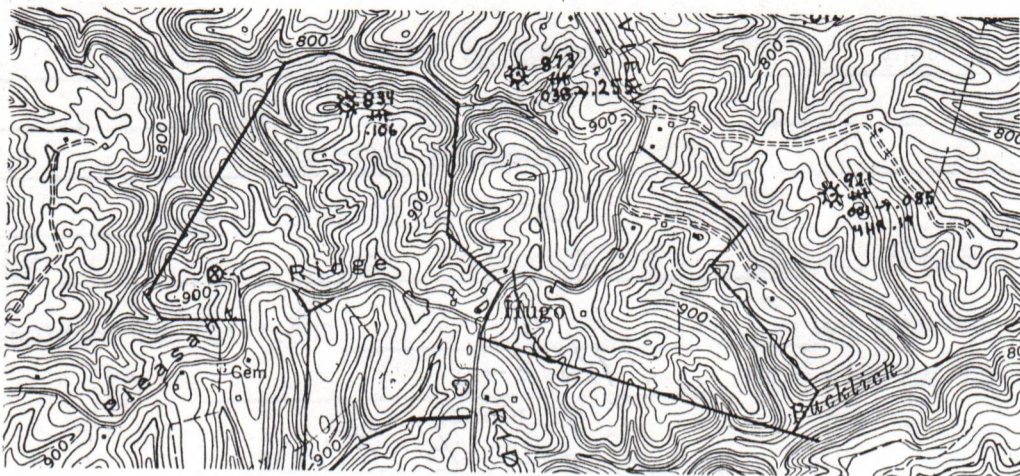


ATTACH OR PHOTOCOPY SECTION OF  
INVOLVED TOPOGRAPHIC MAP.  
QUADRANGLE Bancroft 7.5'

**LEGEND**

Well Site 





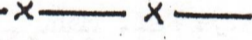



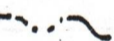

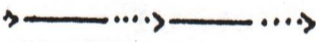
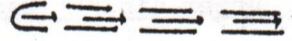
Access Road 



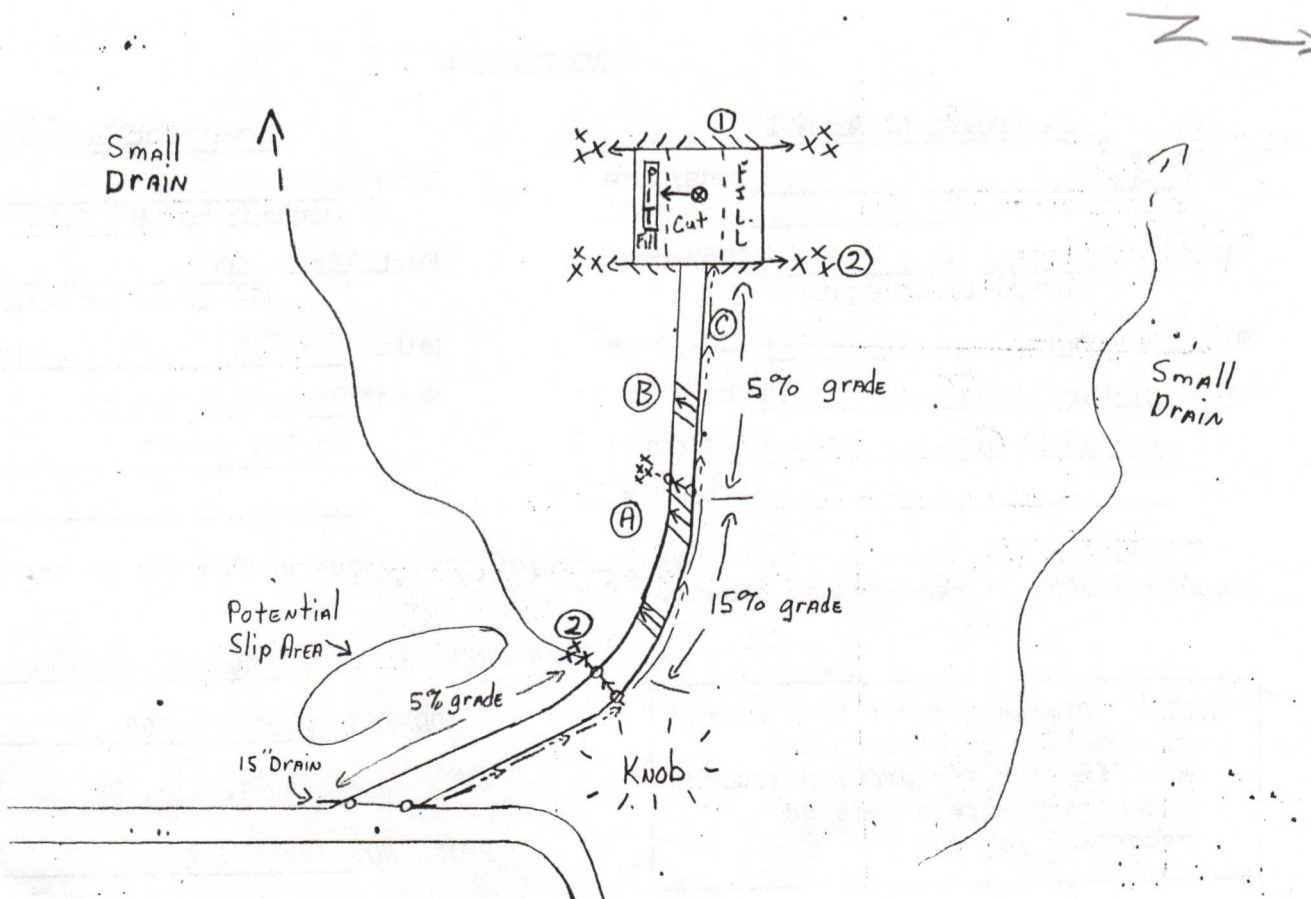
**WELL SITE PLAN**

Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

**LEGEND**

|   |  |
|---|--|
| Property boundary  | Diversion   |
| Road               | Spring      |
| Existing fence     | Wet spot    |
| Planned fence      | Building    |
| Stream             | Drain pipe  |
| Open ditch         | Waterway    |

Location is on a spur ridge in an open pasture. Road placement follows landowner's requested course.





1) Date: June 4, 1984  
2) Operator's  
Well No. 2-S-311  
3) API Well No. 47-079-1121  
State County Permit

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 Charles E. Casto  
Address Rt. 1, Box 124  
Red House, WV 25168  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR  
Address \_\_\_\_\_

5(ii) COAL OWNER(S) NO DECLARATION ON RECORD:  
Name Union Carbide Metals  
Address 817 Charleston National Plaza  
Charleston, WV 25301  
c/o Blue Creek Coal Co./U.K.  
Address 32 Sanderson Road  
Clendenin, WV 25045  
LESSEE WITH DECLARATION ON RECORD!  
Name \_\_\_\_\_  
Address \_\_\_\_\_

PS Form 3811, July 1982

● SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

|  |          |
|--|----------|
| 1. The following service is requested (check one).   | .54 Post |
| <input checked="" type="checkbox"/> Show to whom and date delivered .....                      | .75 Cert |
| <input type="checkbox"/> Show to whom, date, and address of delivery ..                        | .60      |
| 2. <input type="checkbox"/> RESTRICTED DELIVERY .....  |          |
| <small>(The restricted delivery fee is charged in addition to the return receipt fee.)</small> |          |
| <b>TOTAL \$ 1.89</b>   |          |

3. ARTICLE ADDRESSED TO: Blue Creek Coal Co  
32 Sanderson Road  
Clendenin, WV 25045 - Attn: U.K

4. TYPE OF SERVICE:      ARTICLE NUMBER

|   |                                  |               |
|---|----------------------------------|---------------|
| <input type="checkbox"/> REGISTERED           | <input type="checkbox"/> INSURED | P 235 688 824 |
| <input checked="" type="checkbox"/> CERTIFIED | <input type="checkbox"/> COD     |               |
| <input type="checkbox"/> EXPRESS MAIL         |                                  |               |

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE  Addressee     Authorized agent

B. M. one

5. DATE OF DELIVERY  
6-21-84

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:      7a. EMPLOYEE'S INITIALS  
ms.

TO THE  
WHICH (FORM ACTION)  
operator for Department and Construction by before  
6) RETURN RECEIPT  
7) RETURN RECEIPT

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

NOTES REGARDING THE APPLICATION IF THE COPY OF THE APPLICATION IS NOT REQUIRED TO TAKE ANY

the undersigned well operator and accompanying documents Oil and Gas, West Virginia described on attached Application, the plat, and the Application, the plat, and the plat or certified mail or delivered in circumstances) on or

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JUL - 3 1984

act or contracts by which OIL & GAS DIVISION DEPT. OF MINES  
reverse side for specifics

Is the right to... or other contract or contracts providing for that well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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  
FRED A. Radford  
this 11 day of JUNE, 1984.  
My commission expires 21 July, 1987.  
Edgar J. Medkiff  
Notary Public, Putnam County,  
State of WEST VIRGINIA -state wide

WELL OPERATOR Spartan Gas Company  
By Fred A. Radford  
Its Vice-President  
Address P.O. Box 766  
Charleston, WV 25323  
Telephone (304) 925-0317

on Form IV-6, and (4) a... I further state that I have no objection to the plan materials.

(For execution by corporation, partnership, etc.)

NAME: \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_ Date \_\_\_\_\_

(For execution by natural persons)  
Charles Casto Date: 7/2/84  
(Signature)  
Virginia Casto Date: 7/2/84  
(Signature)



INST

P 235 688 824

RECEIPT FOR CERTIFIED MAIL

FORM IV-2(B)  
Reverse

SURFACE OWNER'S COPY

**INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

**NOTE: You are not required to file any comment at all.**

**Where to file comments and obtain additional information:**

Administrator of the Office of Oil and Gas  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, West Virginia 25311  
(304) 348-2057

**Who may file comments?** If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

**Time limits for comments.** The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number, and approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

**Methods for filing comments.** Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with the postmaster to ensure adequate delivery time or to arrange special expedited handling.

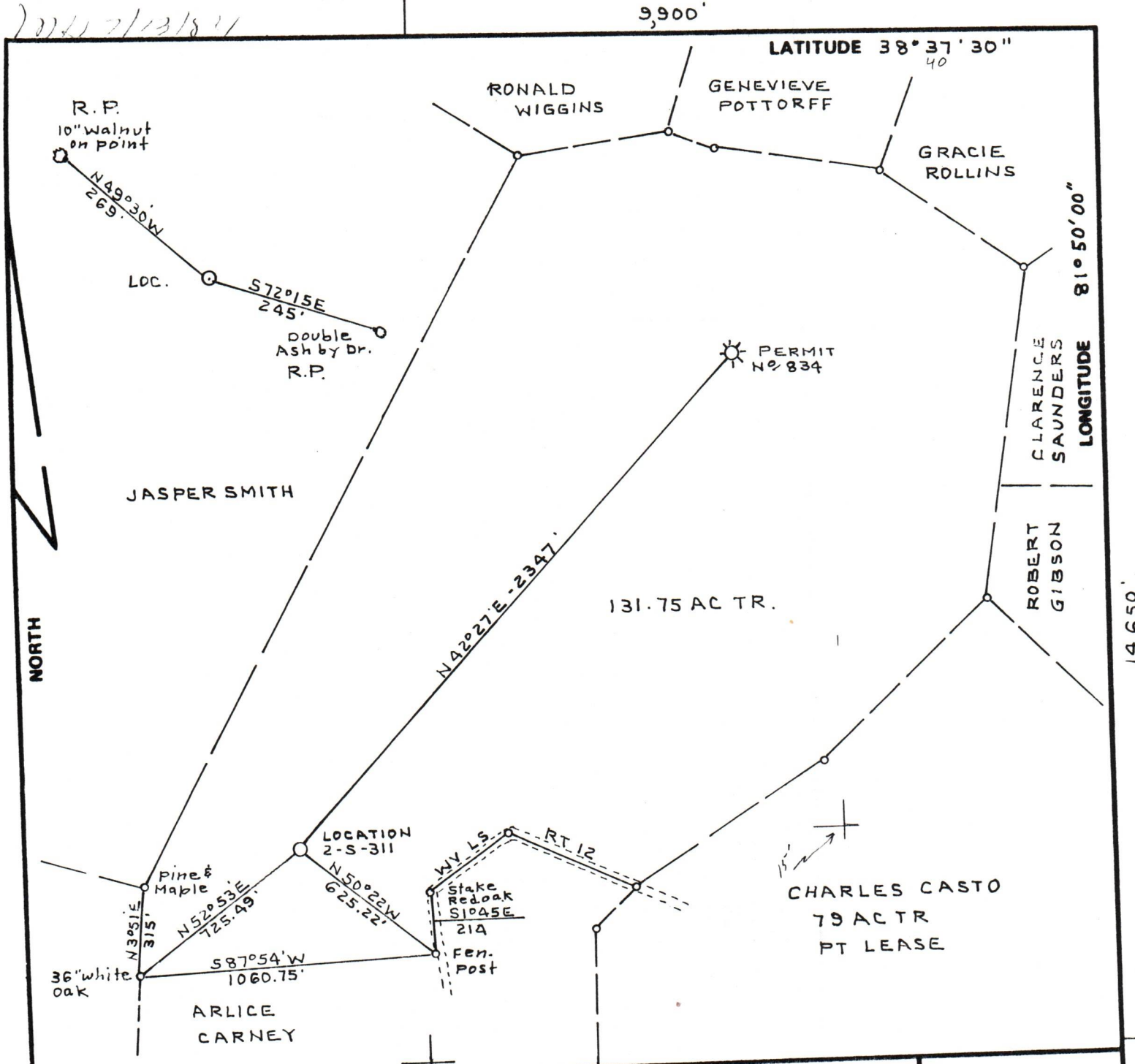
The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- (1) The proposed well work will constitute a hazard to the safety of persons; or
- (2) The plan for soil erosion and sediment control is not adequate or effective; or
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies."

**You want a copy of the permit** as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

**List of Water Testing Laboratories.** The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.





FILE NO. BK 84 P 79  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION Rd Forks 4300'  
S.W. of LOC E1926

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) C. S. Volley Jr.  
 R.P.E. \_\_\_\_\_ D.L.S. 92

PLACE SEAL HERE

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



DATE MAY 8, 1984  
 OPERATOR'S WELL NO. 2-S-311  
 API WELL NO. \_\_\_\_\_  
47 - 079 - 1121  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 920.0 WATER SHED LEFT FORK BUFFALO CREEK  
 DISTRICT UNION COUNTY POTNAM  
 QUADRANGLE BANCROFT 7.5'  
 SURFACE OWNER CHARLES CASTO ACREAGE 212  
 OIL & GAS ROYALTY OWNER CHARLES CASTO LEASE ACREAGE 212  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X 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 DEVONIAN SHALE ESTIMATED DEPTH 4400'  
 WELL OPERATOR SPARTAN GAS CO DESIGNATED AGENT WILLIAM M. RYAN  
 ADDRESS PO BOX 766 ADDRESS PO BOX 766  
CHARLESTON WV 25323 CHARLESTON WV 25323





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IV-35  
(Rev 8-81)  
OCT 15 1984

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date 10/11/84  
Operator's  
Well No. 2-S-311  
Farm Charles Casto  
API No. 47 - 079 - 1121

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 \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 920.0 Watershed Left Fork, Buffalo Creek  
District: Union County Putnam Quadrangle Bancroft

COMPANY SPARTAN GAS COMPANY  
ADDRESS P. O. Box 766, Charleston, WV 25323  
DESIGNATED AGENT William M. Ryan  
ADDRESS P. O. Box 766, Charleston, WV 25323  
SURFACE OWNER Charles Casto  
ADDRESS Rt. 1 Box 124, Red House, WV  
MINERAL RIGHTS OWNER Charles Casto  
ADDRESS Rt. 1 Box 124, Red House, WV  
OIL AND GAS INSPECTOR FOR THIS WORK  
Jerry Holcomb ADDRESS Rural Rt. #1 Box 28  
PERMIT ISSUED July 19, 1984 Hamlin, WV  
DRILLING COMMENCED 8/7/84  
DRILLING COMPLETED 8/18/84

| Casing<br>Tubing       | Used in<br>Drilling | Left<br>in Well | Cement<br>fill up<br>Cu. ft. |
|------------------------|---------------------|-----------------|------------------------------|
| Size<br>20-16<br>Cond. |                     |                 |                              |
| 13-10"                 | 26                  | 26              | 10 sks                       |
| 9 5/8                  | 555.7               | 555.7           | 180 sks                      |
| 8 5/8                  |                     |                 |                              |
| 7                      | 2655                | 2655            | 340 sks                      |
| 5 1/2                  |                     |                 |                              |
| 4 1/2                  |                     |                 |                              |
| 3                      |                     |                 |                              |
| 2                      |                     | 4287            |                              |
| Liners<br>used         | 5-1/2"              | 899             |                              |

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4,400 feet  
Depth of completed well 4,303 feet Rotary X / Cable Tools  
Water strata depth: Fresh 95 feet; Salt 1850 feet  
Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Devonian Shale Pay zone depth 3,545 feet  
Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d  
Final open flow 103 Mcf/d Final open flow Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 600 psig (surface measurement) after 144 hours shut in  
(If applicable due to multiple completion--)  
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.

8-18-84 - Shot w/8,000# gas well explosive from 4,303 to 3,545.

OIL & GAS DIVISION  
DEPT. OF MINES

WELL LOG

| FORMATION         | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS<br>Including indication of all fresh<br>and salt water, coal, oil and gas |
|-------------------|-------|--------------|----------|-------------|---|
| Shale             |       |              | 0        | 365         | Water 95'   |
| Sand & Shale      |       |              | 356      | 1489        |   |
| Salt Sand         |       |              | 1489     | 1910        | Salt Water 1,800'   |
| Big Lime          |       |              | 1910     | 2508        |   |
| Sand & Shale      |       |              | 2508     | 2615        |   |
| Berea             |       |              | 2615     | 2688        |   |
| Shale             |       |              | 2688     | 4308        |   |
| TD                |       |              |          | 4308        | Show gas at T.D.  |
| Electric Log Tops |       |              |          |             |   |
| Little Lime       |       |              | 1870     | 1900        |   |
| Big Lime          |       |              | 1900     | 2070        |   |
| Injun             |       |              | 2097     | 2140        |   |
| Berea             |       |              | 2562     | 2582        |   |
| Shale             |       |              | 2582     | 3754        |   |
| Brown Shale       |       |              | 3754     | 4303        |   |
| TD                |       |              |          | 4303        |   |

(Attach separate sheets as necessary)

SPARTAN GAS COMPANY

Well Operator

By: William M. Ryan Manager Operations

Date: October 11, 1984

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."



AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Virginia,  
COUNTY OF Kanawha :

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A)  / Form IV-3(A)  / Form IV-4(A)  /
- (2) Application on Form IV-2(B)  / Form IV-3(B)  / Form IV-4(B)  /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. 2-S-311 located in Putnam County, West Virginia, upon the person or organization named--

Charles E. Casto and Virginia Casto, his wife

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--by delivering the same in Putnam County, State of West Virginia, on the 2nd day of July, 1984 in the manner specified below

OIL & GAS DIVISION  
DEPT. OF MINE

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him  / her  / or, because he  / she  / refused to take it when I offered it, by leaving it in his  / her  / presence.

Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee  / officer  / director  / attorney in fact  / named \_\_\_\_\_.

Edgar J. Midkiff  
(Signature of person executing service)

Taken, subscribed and sworn before me this 3rd day of July, 1984.  
My commission expires June 9, 1993.

Lammy L. Hovatter  
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)



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

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OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 079 1121

Oil or Gas Well \_\_\_\_\_  
(KIND)

|   |   |                  |              |                      |
|---|---|------------------|--------------|----------------------|
| Company <u>Sparton Gas.</u>                               | CASING AND TUBING   | USED IN DRILLING | LEFT IN WELL | PACKERS              |
| Address _____   | Size  |                  |              |                      |
| Farm <u>Casto</u>   | 16  |                  |              | Kind of Packer _____ |
| Well No. _____  | 13  |                  |              |                      |
| District _____ County <u>Putnam</u><br><u>Wabersville</u> | 10  |                  |              | Size of _____        |
| Drilling commenced _____                                  | 8 1/4   |                  |              |                      |
| Drilling completed _____ Total depth _____                | 6 5/8   |                  |              | Depth set _____      |
| Date shot _____ Depth of shot _____                       | 5 3/16  |                  |              |                      |
| Initial open flow _____ /10ths Water in _____ Inch        | 3   |                  |              | Perf. top _____      |
| Open flow after tubing _____ /10ths Merc. in _____ Inch   | 2   |                  |              | Perf. bottom _____   |
| Volume _____ Cu. Ft.                                      | Liners Used   |                  |              | Perf. top _____      |
| Rock pressure _____ lbs. _____ hrs.                       |   |                  |              | Perf. bottom _____   |
| Oil _____ bbls., 1st 24 hrs.                              | CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____ |                  |              |                      |
| Fresh water _____ feet _____ feet                         | NAME OF SERVICE COMPANY _____                             |                  |              |                      |
| Salt water _____ feet _____ feet                          | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES           |                  |              |                      |
|   | _____ FEET _____ INCHES _____ FEET _____ INCHES           |                  |              |                      |
|   | _____ FEET _____ INCHES _____ FEET _____ INCHES           |                  |              |                      |

Drillers' Names \_\_\_\_\_

Smith rig #12

Remarks:

8 7 84 set 26' of 13'' conductor.

8 8 84 Ran 555.7' of 95/8 csg.

8 14 84 set 7'' csg 2655' kb cement 100 sks neat and 200 sks 50/50 poz  
3% cacl 1/4 lb per sk flocele.

8 16 84 Drilling 6 1/4 hole at 3064'.

~~8 16 84~~

*James Tyghals*







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

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INSPECTOR'S WELL REPORT  
OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 079 1121

Oil or Gas Well \_\_\_\_\_  
(KIND)

| Company _____<br>Address _____<br>Farm _____<br>Well No. _____<br>District _____ County _____<br>Drilling commenced _____<br>Drilling completed _____ Total depth _____<br>Date shot _____ Depth of shot _____<br>Initial open flow _____ /10ths Water in _____ Inch<br>Open flow after tubing _____ /10ths Merc. in _____ Inch<br>Volume _____ Cu. Ft.<br>Rock pressure _____ lbs. _____ hrs.<br>Oil _____ bbls., 1st 24 hrs.<br>Fresh water _____ feet _____ feet<br>Salt water _____ feet _____ feet | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS              |
|---|-------------------|------------------|--------------|----------------------|
|   | Size              |                  |              | Kind of Packer _____ |
|   | 16                |                  |              |                      |
|   | 13                |                  |              | Size of _____        |
|   | 10                |                  |              | Depth set _____      |
|   | 8 1/4             |                  |              | Perf. top _____      |
|   | 6 5/8             |                  |              | Perf. bottom _____   |
|   | 5 3/16            |                  |              | Perf. top _____      |
|   | 3                 |                  |              | Perf. bottom _____   |
|   | 2                 |                  |              |                      |
|   | Liners Used       |                  |              |                      |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
NAME OF SERVICE COMPANY \_\_\_\_\_  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_  
Smith Drilling

Remarks:  
9 6 84 Reclaimed and Reseeded all but small section Bales of mulch on site to finish.

9 6 84  
DATE

*George T. Phelps*







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

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OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 079-1121

Oil or Gas Well \_\_\_\_\_  
(KIND)

| Company   | CASING AND TUBING   | USED IN DRILLING | LEFT IN WELL | PACKERS              |
|---|---|------------------|--------------|----------------------|
| <u>SPARTAN GAS CO</u>                                   | Size  |                  |              |                      |
| Address _____   | 16  |                  |              | Kind of Packer _____ |
| Farm <u>C. Casto</u>                                    | 13  |                  |              |                      |
| Well No. <u>25311</u>                                   | 10  |                  |              | Size of _____        |
| District _____ County <u>079</u>                        | 8 1/4   |                  |              |                      |
| Drilling commenced _____                                | 6 5/8   |                  |              | Depth set _____      |
| Drilling completed _____ Total depth _____              | 5 3/16  |                  |              |                      |
| 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 _____ SIZE _____ No. FT. _____ Date _____ |                  |              |                      |
| Oil _____ bbls., 1st 24 hrs.                            | NAME OF SERVICE COMPANY _____                             |                  |              |                      |
| Fresh water _____ feet _____ feet                       | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES           |                  |              |                      |
| Salt water _____ feet _____ feet                        | _____ FEET _____ INCHES _____ FEET _____ INCHES           |                  |              |                      |
|   | _____ FEET _____ INCHES _____ FEET _____ INCHES           |                  |              |                      |

Drillers' Names With Jerry T

Remarks: Checked Rec: - Seeding OK. - NO API NO ON well low pressure fittings on well head - mentioned & showed condition to production man

11/5/84

DATE

R.G. Ball

DISTRICT WELL INSPECTOR









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

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DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

COMPANY Spartan Gas Co.  
P.O. Box 766  
Charleston, W. Va. 25323

PERMIT NO 079-1121  
FARM & WELL NO Charlescasto 2-5-311  
DIST. & COUNTY Union-Putnam

| 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 Carlos W. Hinely

DATE 12-18-84

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.

T. L. ...  
Administrator-Oil & Gas Division

January 23, 1985

DATE





1) Date: June 4, 1984  
 2) Operator's Well No. 2-S-311  
 3) API Well No. 47  
 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 X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 920' / Watershed: Left Fork of Buffalo Creek  
 District: Union / County: Putnam / Quadrangle: Bancroft 7.5'
- 6) WELL OPERATOR Spartan Gas Company / 7) DESIGNATED AGENT William M. Ryan  
 Address P.O. Box 766 / Address P.O. Box 766  
Charleston, WV 25323 / Charleston, WV 25323
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) DRILLING CONTRACTOR:  
 Name Jerry Holcomb / Name \_\_\_\_\_  
 Address Rural Rt. #1-Box 28 / Address \_\_\_\_\_  
Hanlin, WV 25523 / \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale  
 12) Estimated depth of completed well, 4300' feet  
 13) Approximate trata depths: Fresh, 100', 250' feet; salt, 1150', 1750' feet.  
 14) Approximate coal seam depths: 500 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

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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"            |       |                | X   |      | 30'               | 30'          | By Hand                              | Kinds                                   |  |
| Fresh water           |                |       |                |     |      |                   |              |                                      |   |  |
| Coal                  | 9-5/8"         | J-55  | 36#            | X   |      | 600'              | 600'         | To Surface                           | Sizes                                   |  |
| Intermediate          | 7"             | J-55  | 20#            | X   |      | 2700'             | 2700'        | 50 sx                                | Depths set                              |  |
| Production            |                |       |                |     |      |                   |              |                                      |   |  |
| Tubing                |                |       |                |     |      |                   |              |                                      |   |  |
| Liners                | 5 1/2"         |       | 15#            | X   |      | 0                 | 2000'        |                                      | Perforations:<br>Top _____ Bottom _____ |  |

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

@ Charles Casto Date: 7/2/84  
 (Signature)  
Virginia Casto Date: 7/2/84  
 (Signature)



**INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

**NOTE: You are not required to file any comment at all.**

**Where to file comments and obtain additional information:**

Administrator of the Office of Oil and Gas  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, West Virginia 25311  
(304) 348-2057

**Who may file comments?** If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

**Time limits for comments.** The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

**Methods for filing comments.** Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

**If you want a copy of the permit** as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

**List of Water Testing Laboratories.** The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



1) Date: June 4, 1984  
 2) Operator's  
 Well No. 2-S-311  
 3) API Well No. 47-079-1121  
 State County Permit

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 Charles E. Casto  
 Address Rt. 1, Box 124  
Red House, WV 25168

(ii) Name \_\_\_\_\_  
 Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
 Address \_\_\_\_\_

5(i) COAL OPERATOR \_\_\_\_\_  
 Address \_\_\_\_\_

5(ii) COAL OWNER(S) NO DECLARATION ON RECORD:  
 Name Union Carbide Metals  
 Address 817 Charleston National Plaza  
Charleston, WV 25301  
c/o Blue Creek Coal Co./U.K.  
 Address 32 Sanderson Road  
Clendenin, WV 25045

LESSEE WITH DECLARATION ON RECORD!  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_

PS Form 3811, July 1982

● SENDER: Complete items 1, 2, 3, and 4.  
 Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES) .54 Post

1. The following service is requested (check one). .75 Cert

Show to whom and date delivered ..... .60

Show to whom, date, and address of delivery ..

2.  RESTRICTED DELIVERY .....  
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ 1.89

3. ARTICLE ADDRESSED TO: Blue Creek Coal Co  
32 Sanderson Road  
Clendenin, WV 25045 - Attn: U.K.

4. TYPE OF SERVICE: ARTICLE NUMBER

REGISTERED  INSURED

CERTIFIED MAIL  COD P 235 688 824

EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE  Addressee  Authorized agent

B M one

5. DATE OF DELIVERY

6-21-84

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

ms.

WHICH (FORM ACTION)

erate for Depart and Cons by h befo

6) RETURN RECEIPT

7) Is the right to

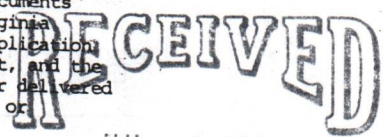
Is the right to \_\_\_\_\_  
 or other contract or contracts providing for that well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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

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

the undersigned well op and accompanying documents Oil and Gas, West Virginia rcribed on attached Application Application, the plat, and the i or certified mail or delivered ain circumstances) on or



JUL - 3 1984

act or contracts by which OIL & GAS DIVISION DEPT. OF MINES  
 reverse side for specifics

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 Fred A. Radford this 11 day of JUNE, 1984. My commission expires 21 July, 1987.  
Edgar J. Medkiff  
 Notary Public, KANAWHA County, State of WEST VIRGINIA - STATE WIDE

WELL OPERATOR Spartan Gas Company  
 By Fred A. Radford  
 Its Vice-President  
 Address P.O. Box 766  
Charleston, WV 25323  
 Telephone (304) 925-0317



**I N S T R U C T I O N S**

**CONCERNING THE LINE ITEMS:**

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the applicant.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record see also Code § 22-4-11(c) "co-owners of interest in such lands".
- 5(i) "Coal Operator" means a corporation that produces coal.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c) "Continuing contract(s), provided below.
- 7) See Code § 22-4-11(d) "Information supplied under Code § 22-4-11(d) in lieu of filing lease(s) and other continuing contract(s)".

**CONCERNING THE REQUIRED COPIES**

**Filing.** Code § 22-4-1k an copies of the Notice and Application accompanied by (i) a plat in the forms prescribed by Regulation 22-4-1k(d) and 22-3-12a, and (v) if a water well owner of any water well or

**Service.** In addition, send with an interest in the oil or gas

**P 235 688 824**  
**RECEIPT FOR CERTIFIED MAIL**

**NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)**

|                             |                   |   |  |     |
|-----------------------------|-------------------|---|--|-----|
| SENT TO                     |                   | Blue Creek Coal Co./U.K.  |  |     |
| STREET AND NO.              |                   | 32 Sanderson Road   |  |     |
| P.O., STATE AND ZIP CODE    |                   | Clendenin, WV 25045   |  |     |
| POSTAGE                     |                   | \$ .54  |  |     |
| CONSULT POSTMASTER FOR FEES | CERTIFIED FEE     | .75¢  |  |     |
|                             | OPTIONAL SERVICES | SPECIAL DELIVERY  | ¢  |     |
|                             |                   | RESTRICTED DELIVERY   | ¢  |     |
|                             |                   | RETURN RECEIPT SERVICE  | SHOW TO WHOM AND DATE DELIVERED                          | .60 |
|                             |                   |   | SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY              | ¢   |
|                             |                   |   | SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY | ¢   |
|                             |                   | SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢  |     |
| TOTAL POSTAGE AND FEES      |                   | \$ 1.89   |  |     |
| POSTMARK OR DATE            |                   | CHARLESTON, WV 6/20/84  |  |     |

PS Form 3800, Apr. 1976



location. However, person or other person hold interests in the property.

ship association or other person in the space

inal and required administrator, accompany a bond in one of the security allowed by Code § 22-4-1a(c) and § 22-4-8a from the well.

(s) and the person(s) 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 |
|-----------------------|-----------------------|---------|------|------|
| Charles Casto         | Spartan Gas Company   | 1/8     | 58   | 797  |