

Janie 11/16/88

5800
25

LATITUDE 39°22'30"

DAVIS

PERKINS

SET STONE (FND.)

SET STONE (FOUND)

NO. 1

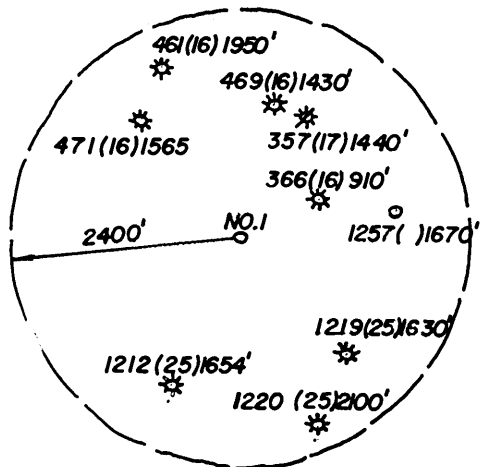
O'BRIEN

N3°E,
1650'

44.68 AC

BAGLEY

LONGITUDE 80°47'30"



CUMBERLEDGE

WELL REFERENCES:

N16°W, 126' TO 5" BEECH

N57°E, 154.50' TO 12" CHEST. OAK

S3°W, 3283.50'

HUSK

CUMBERLEDGE

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

4.00s
3.33

TIE LINES

A) EAST, 556.61'

B) S69°39'W, 325.82'

C) N65°42'W, 275.56'

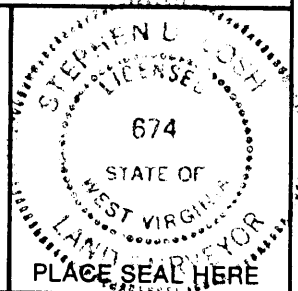
1.055
110w

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1 IN 200
PROVEN SOURCE OF
ELEVATION RD. INT. 2200'SE. OF
LOC. AT ELEV. 834'

I THE UNDERSIGNED, HEREBY CERTIFY THAT
THIS PLAT IS CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF AND SHOWS ALL THE
INFORMATION REQUIRED BY LAW AND THE REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.

(SIGNED) _____

R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE OCT. 17, 19 88
OPERATOR'S WELL NO. BRITTON NO. 1
API WELL NO.

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

LOCATION: ELEVATION 1010' WATER SHED CAMP MISTAKE RUN
DISTRICT McELROY S COUNTY TYLER
QUADRANGLE WEST UNION 7.5' 671 1336 +15' EC

SURFACE OWNER ASIA DELL CUMBERLEDGE HEIRS ACREAGE 44.68
OIL & GAS ROYALTY OWNER ASIA DELL CUMBERLEDGE HRS LEASE ACREAGE 44.68

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 BENSON ESTIMATED DEPTH 5300'

WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT CHARLES CANFIELD
ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R

JANE LEW, WV 26378 -0080 847 JANE LEW, WV 26378 -0080

6-6 Wilbur (092)

FORM WW-6

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: BRITTON, HESTER Operator Well No.: BRITTON 1-S-391

LOCATION: Elevation: 1010.00 Quadrangle: WEST UNION

District: MCELROY County: TYLER
Latitude: 5585 Feet South of 39 Des. 22Min. 30 Sec.
Longitude 5800 Feet West of 80 Des. 47 Min. 30 Sec.

Company: STONEWALL GAS CO.
P. O. BOX 1575
RICHMOND, VA

Agent: CHARLES W. CANFIELD

Inspector: GLEN P. ROBINSON
Permit Issued: 11/23/88

Well work Commenced: 02-13-89
Well work Completed: 02-18-89

Verbal Plugging
Permission granted on: _____

Rotary Cable _____ Rig
Total Depth (feet) 5100

Fresh water depths (ft) 100

Salt water depths (ft) 1195

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

| Size | Casings Used in Tubing | Drillings in Well | Left in Well | Cement Fill Up Cu. Ft. |
|--------|------------------------|-------------------|--------------|------------------------|
| 11 3/4 | 127 | 127 | 70 SKS | |
| 8 5/8 | 1223 | 1223 | 290 SKS | |
| 4 1/2 | 5071 | 5071 | 660 SKS | |



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4900
Gas: Initial open flow 49 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 2477 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1625 psig (surface pressure) after 48 Hours

Second producing formation RILEY Pay zone depth (ft) 4480
Gas: Initial open flow 49 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 2477 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1625 psig (surface pressure) after 48 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: STONEWALL GAS CO.

MAR 10 1989

By: *[Signature]* PRESIDENT

Date: MARCH 1, 1989

FRAC DATE 02-24-89 STAGES TWO

| PERFS | HOLES | BBL | SAND | BD | ISIP |
|---------------------|-------|-----|--------|------|------|
| BENSON 4897-4901 | 16 | 700 | 60,000 | 1736 | 1480 |
| RILEY 4476-4480 | 16 | 600 | 50,000 | 2168 | 1400 |

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|---------------------|-------|-----------------|-------------|----------------|---------------------------------------|
| FILL | RED | SOFT | 0 | 15 | HOLE DAMP 100 |
| SHALE/RED ROCK | RED | SOFT | 15 | 75 | HOLE DAMP 216 |
| SAND/SHALE/RED ROCK | RED | SOFT | 75 | 700 | |
| SAND/SHALE | GREY | SOFT | 700 | 1680 | GAS CK 1825 NO SHOW |
| SHALE | GREY | SOFT | 1680 | 1850 | GAS CK 2047 6/10 1" H ₂ O |
| BIG LIME | GREY | HARD | 1850 | 1935 | |
| BIG INJUN | GREY | HARD | 1935 | 2050 | GAS CK 2680 10/10 1" H ₂ O |
| SANE/SHALE | GREY | SOFT | 2050 | 2600 | |
| GORDON | GREY | SOFT | 2600 | 2650 | GAS CK 4664 12/10 1" H ₂ O |
| SHALE | GREY | SOFT | 2650 | 4450 | |
| RILEY | BROWN | SOFT | 4450 | 4510 | GAS CK 4981 40/10 1" H ₂ O |
| SHALE | GREY | SOFT | 4510 | 4900 | |
| BENSON | BROWN | SOFT | 4900 | 4960 | GAS CK TD 22/10 1" H ₂ O |
| | | TD | | 5100 | |

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MAR 06 1989

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MAR 06 1989
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

7963

MAR 10 1989

23

095-1268 Issued 11/23/88
Expired 11/23/90
Page ___ of ___

FORM WW-2B

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

- 1) Well Operator: ⁸⁴⁷ STONEWALL GAS COMPANY 47850, 5, 670
- 2) Operator's Well Number: BRITTON #1 (391-S) 3) Elevation: 1010'
- 4) Well type: (a) Oil or Gas /
(b) If Gas: Production / Underground Storage /
Deep Shallow
- 5) Proposed Target Formation(s): BENSON 435
- 6) Proposed Total Depth: 5100 feet
- 7) Approximate fresh water strata depths: 87', 252, 233, 473, 736
- 8) Approximate salt water depths: 1100'
- 9) Approximate coal seam depths: N/A Possible coal at 173-176
- 10) Does land contain coal seams tributary to active mine? Yes / No
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

| TYPE | SPECIFICATIONS | | | FOOTAGE INTERVALS | | CEMENT |
|--------------|----------------|-------|----------------|-------------------|--------------|-------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | Fill-up (cu. ft.) |
| Conductor | 11 3/4 | ERW | 42# | 125' | 125' | 38 CSR 18-11.3 |
| Fresh Water | | | | | | 38 CSR 18-11.2.2 |
| Coal | | | | | | |
| Intermediate | 8 5/8 | ERW | 23# | 1200' | 1200' | 38 CSR 18-11.3 |
| Production | 4 1/2 | ERW | 10.5# | 5100 | 5100 | 38 CSR 18-11.1 |
| Tubing | | | | | | |
| Liners | | | | | | |

RECEIVED
NOV 07 1988

PACKERS : Kind _____
Sizes _____
Depths set _____
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

Fee(s) paid: Plat Well Work Permit Plat Reclamation Fund Plat WPCP
Plat WW-9 Plat WW-2B Plat Bond 50 Blanket Agent
(Type)

4704
37

RECEIVED
NOV 07 1988

- 1) Date: NOVEMBER 2, 1988
- 2) Operator's well number
BRITTON #1 (391-S)
- 3) API Well No: 47 - 095 - 1268
State - County - Permit

**DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name HESTER BRITTON
Address PO BOX 355
ST. MARYS, WV 26170
 - (b) Name LINDA L. DOTSON
Address 505 BENNET AVENUE
RAVENNA, OHIO 44266
 - (c) Name ELINOR METZLER
Address 9164 SW 109TH LANE
OCALA, FLORIDA 32676
- 5) (a) Coal Operator:
 - Name N/A
Address _____
 - (b) Coal Owner(s) with Declaration
Name SAME AS SURFACE
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector GLEN P. ROBINSON
Address RT 1, #6 MT PLEASANT EST.
MINERAL WELLS, WV 26150
Telephone (304)- _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator STONEWALL GAS COMPANY
 By: *Bruce A. Hasty*
 Its: PRESIDENT
 Address PO DRAWER R
JANE LEW, WV 26378-0080
 Telephone 304-884-7881

Subscribed and sworn before me this 2ND day of NOVEMBER, 1988

Richard K. E. Smith
 My commission expires OCTOBER 14, 1993

XXXXXXXXXXXX
 COMMISSIONER