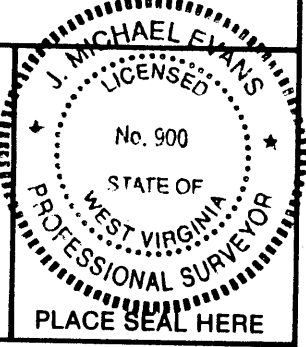


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD INT. N50' SE. OF LOC. AT ELEV. 822'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) J. Michael Evans
 R.P.E. _____ L.L.S. NO. 900
 J. MICHAEL EVANS



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE APRIL 21, 19 91
 OPERATOR'S WELL NO. CLARENCE 2
 API WELL NO. 47-095-1467
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1107' WATER SHED ___ PRATT RUN ___
 DISTRICT McELROY S COUNTY TYLER
 QUADRANGLE SHIRLEY 7.5' W Union PC
 SURFACE OWNER CLARENCE CUMBERLEDGE ACREAGE 35.
 OIL & GAS ROYALTY OWNER CLARENCE CUMBERLEDGE LEASE ACREAGE 35

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 BENSON ESTIMATED DEPTH 5200
 WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT JESSE SHELL
 ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R
JANE LEW, WV 26378-0080 6-6 Wilbur (092) JANE LEW, WV 26378-0080

MAY 24 1991

COUNTY NAME
 PERMIT

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

Division of Oil and Gas

JUL 17 91

Well Operator's Report of Well Work

Farm name: CUMBERLEDGE, CLARENCE Operator Well No.: CLARENCE#2 590S

LOCATION: Elevation: 1107.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 10950 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 1675 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: STONEWALL GAS COMPANY
909 E. MAIN ST. P.O. BOX 1575
RICHMOND, VA 23219-1575

Agent: JESSE A. SHELL

Inspector: MIKE UNDERWOOD
Permit Issued: 05/24/91
Well work Commenced: 06-06-91
Well work Completed: 06-19-91
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5250
Fresh water depths (ft) 410, 432

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): NONE REPORTED

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	126	126	8 SKS
8 5/8	1010	1010	235 SKS
4 1/2	5187	5187	651 SKS

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 5070
Gas: Initial open flow * _____ MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2518 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1600 psig (surface pressure) after 168 Hours

Second producing formation RILEY Pay zone depth (ft) 4638
Gas: Initial open flow * _____ MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2518 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1600 psig (surface pressure) after 168 Hours

*UNABLE TO DETERMINE DUE TO OPEN FLOW FROM UP HOLE

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 COMPANY

By: Ray M. Frear, Jr. RAY M. FREAR, JR.
Date: JULY 15, 1991 PETROLEUM ENGINEER

JUL 29 1991

STAGE	2	FRAC	WATER	DATE	06-05-91
ZONES	PERFS	HOLE	BBL	BP	ISIP
BENSON	5070-5076	18	600	1730	1670
RILEY	4638-4642	16	600	2100	1700

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
CLAY & RR	BROWN	SOFT	0	10	
SHALE & RR	GRAY	SOFT	10	40	
SAND	GRAY	SOFT	40	155	
RR	RED	HARD	155	225	GAS CK 2090 24/10 1" W/W
SHALE	GRAY	HARD	225	360	
SAND, SHALE & RR	BROWN	HARD	360	745	2153 120/10 2" W/W
SAND	BROWN	SOFT	745	765	2216 80/10 2" W/W
SHALE & RR	BROWN	SOFT	765	1280	
SANDY SHALE	BROWN	SOFT	1280	1580	2530 60/10 2" W/W
SAND	GRAY	SOFT	1580	1590	2876 90/10 2" W/W
SANDY SHALE	GRAY	HARD	1590	1955	3787 80/10 2" W/W
L-LIME	GRAY	HARD	1955	1970	
SHALE	GRAY	HARD	1970	1989	4101 70/10 2" W/W
LIME	BROWN	SOFT	1989	2068	
SAND	BROWN	SOFT	2068	2195	
SANDY SHALE	BROWN	SOFT	2195	2355	
SAND	GRAY	SOFT	2355	2405	
SANDY SHALE	GRAY	HARD	2405	2750	
SAND	GRAY	HARD	2750	2835	
SANDY SHALE	BROWN	SOFT	2835	4490	
SAND	BROWN	HARD	4490	4500	
SANDY SHALE	BROWN	HARD	4500	4600	
SAND	GRAY	HARD	4600	4690	
SANDY SHALE	GRAY	SOFT	4690	5050	
SAND	GRAY	SOFT	5050	5110	
SANDY SHALE	GRAY	SOFT	5110	5250	
TD			5250		

12243

RECEIVED
MAY 09 1991
DEPT. OF ENERGY

095-1467
Issued 5/24/91
Expires 5/24/93
Page... of

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) 606
- 2) Operator's Well Number: CLARENCE #2 (590-S) (3) Elevation: 1107'
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production ___ / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): BENSON 43 S
- 6) Proposed Total Depth: 5250' feet
- 7) Approximate fresh water strata depths: 40', 400' AND 500'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill and Stimulate new well
- 12)

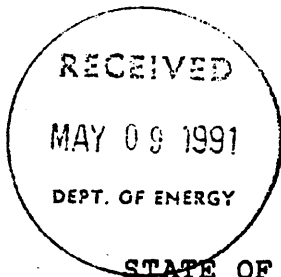
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"		32#	130'	130'	-
Fresh Water						
Coal						
Intermediate	8 5/8"		20#	1000'	1000'	-
Production	4 1/2"	J-55	10.5#	5190'	5190'	-
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

7251
13
 Fee(s) paid: Well Work Permit Reclamation Fund WPCR
 Plat WW-9 WW-2B Bond C.D. Agent



1) Date: MAY 6, 1991
2) Operator's well number
CLARENCE #2 (590-S)
3) API Well No: 47 - 095 - 1467
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name CLARENCE CUMBERLEDGE
Address RT 1 BOX 355
MT CLARE, WV 26408
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector MIKE UNDERWOOD
Address RT 2, BOX 135
SALEM, WV 26426
Telephone (304)-782-1043

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 _____

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

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

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

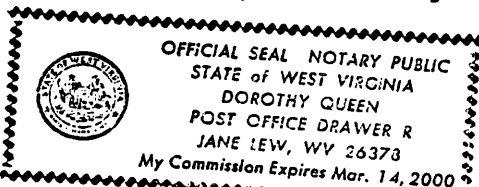
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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: [Signature]
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378
Telephone 304-884-7881



Subscribed and sworn to before me this 6TH day of MAY, 1991

[Signature] Notary Public
My commission expires MARCH 14, 2000