

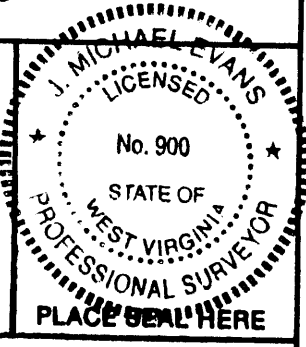
WELL REFERENCES:
 S47°E, 141' TO 8" VIRGINIA PINE
 N17°W, 173' TO 6" POPLAR

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

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

FILE NO. JME LLS 900
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD JCT. 1700' NE.
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. 900
J. MICHAEL EVANS



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE APRIL 15, 1991
 OPERATOR'S WELL NO. CLARENCE #1
 API WELL NO.

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1080' WATERSHED PRATT RUN
 DISTRICT McELROY'S COUNTY TYLER
 QUADRANGLE SHIRLEY W. H. 18C
 SURFACE OWNER CLARENCE CUMBERLEDGE ACREAGE 25
 OIL & GAS ROYALTY OWNER Rianche Cumberledge Heirs LEASE ACREAGE 25
 LEASE NO. et al

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' MAY 24 1991
 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

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: CEMBERLEDGE, CLARENCE Operator Well No.: CLARENCE# 1-5766

LOCATION: Elevation: 1080.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 12850 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 1815 Feet West of 80 Deg. 47 Min. 30 Sec.

RECEIVED
AUG 28 91

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: 06-25-91
Well work Completed: 07-09-91
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5200
Fresh water depths (ft) 60, 170, 464

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8	128	128	50 SKS
7	2194	2194	350 SKS
4 1/2	5180	5180	126 SKS

Salt water depths (ft) _____

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

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 5012
Gas: Initial open flow 57 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1561 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1500 psig (surface pressure) after 168 Hours

Second producing formation RILEY Pay zone depth (ft) 4600
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1561 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1500 psig (surface pressure) after 168 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 COMPANY

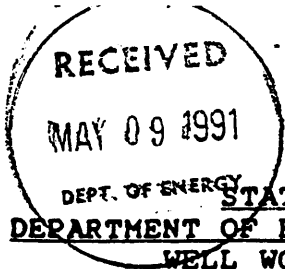
By: [Signature] RAY M. FREAR, JR.
Date: AUGUST 13, 1991 PETROLEUM ENGINEER

SEP 16 1991

2	STAGES	WATER	FRAC	07/16/91	DATE		
ZONES	PERFS		HOLES		BBL	BP	ISIP
BENSON	5012-5016		16		700	1850	1620
RILEY	4600-4602		21		600	2580	1630
	4580-4585						

FORMATION	COLOR	HARD/ SOFT	TOP	BOTTOM	REMARKS
CLAY	TAN	HARD	0	5	GAS CK 2035 6/10 2" W/W
SHALE & RR	GRAY	HARD	5	30	2066 6/10 2" W/W
SAND	BROWN	SOFT	30	37	
SHALE & RR	BROWN	SOFT	37	82	2129 40/10 2" W/W
SAND & SHALE	GRAY	SOFT	82	122	2286 30/10 2" W/W
RR	RED	HARD	122	160	
SAND	BROWN	HARD	160	196	2804 NO SHOW
RR & SHALE	GRAY	HARD	196	268	3118 NO SHOW
SAND	GRAY	SOFT	268	290	3430 NO SHOW
SAND & SHALE	GRAY	SOFT	290	685	
SAND	BROWN	HARD	685	702	3618 60/10 1" W/W
SHALE & RR	BROWN	SOFT	702	1095	4152 50/19 1" W/W
SAND & SHALE	GRAY	SOFT	1095	1205	4498 50/10 1" W/W
SHALE & RR	GRAY	HARD	1205	1570	
SAND & SHALE	BROWN	HARD	1570	1920	4623 50/10 1" W/W
BIG LIME	GRAY	HARD	1920	2000	5063 80/10 1" W/W
KEENER	GRAY	SOFT	2000	2009	
INJUN	BROWN	SOFT	2009	2135	TD 80/10 1" W/W
SAND & SHALE	BROWN	SOFT	2135	2700	
GORDON	GRAY	HARD	2700	2765	
SAND & SHALE	GRAY	HARD	2765	4600	
RILEY	BROWN	SOFT	4600	4610	
SAND & SHALE	BROWN	SOFT	4610	4990	
BENSON	GRAY	HARD	4990	5055	
SAND & SHALE	GRAY	SOFT	5055	5200	
TD			5200		

12239



095-1466
Issued 5/24/91
Page of
Expires 5/24/93

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) 606
- 2) Operator's Well Number: CLARENCE #1 (576-S) 3) Elevation: 1080'
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production ___ / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): BENSON 435
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 30, 580'
- 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)

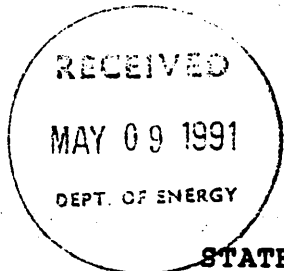
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	9 5/8"		26#	130'	130'	C.T.S.
Fresh Water						D.K. Mike
Coal						
Intermediate	7"		20#	2200'	2200'	C.T.S.
Production	4 1/2"	J-55	10.5#	5140'	5140'	-
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

125-13
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond CD Agent



1) Date: MAY 6, 1991
2) Operator's well number
CLARENCE #1 (576-S)
3) API Well No: 47 - 095 - 1466
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 _____

5) (a) Coal Operator:
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name R. CUMBERLEDGE C/O HESTER BRITTC
Address 1408 ANKROM ST, ST. MARYS, WV
26170
Name _____
Address _____

6) Inspector MIKE UNDERWOOD
Address RT 2 BOX 135
SALEM, WV 26426
Telephone (304)-782-1043

(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:

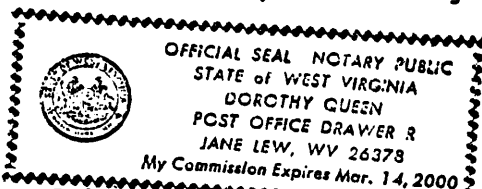
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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 before me this 6TH day of MAY, 1991

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