

Janie
5/16/91

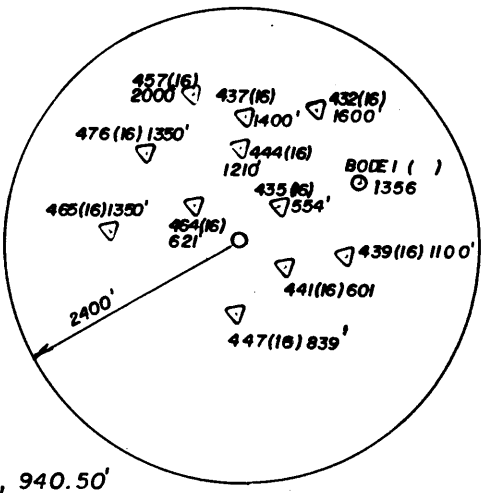
LATITUDE 39°22'30"

7.5

WELL REFERENCES:

S34°W, 104' TO 3" PERSIMMON
N67°W, 128' TO 6" RED MAPLE

0.22 S
0.55 W



D. BODE
40. AC.

WEEKLEY

SOUTH, 940.50'

STONE & FALL EN. POST

N86°57'W,
273.82'

NO. 3

S45°E,
345.50'

N7°13'E,
231.52'

NE 534' +-

STONE 25' FROM ROAD C

S45°E,
298'

LIEBMAN

NORTH

HILL

S40°W, 1023'

A. FREEMAN

3.16 S
2.78 W

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

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 2250' SE AT ELEV. 1335'

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) *[Signature]*
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE APRIL 28, 19 91
OPERATOR'S WELL NO. BODE 3
API WELL NO.

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1223' WATER SHED PRATT RUN
DISTRICT McELROY 5 COUNTY TYLER
QUADRANGLE WEST UNION 415' EC

SURFACE OWNER DOROTHY BODE ACREAGE 40.
OIL & GAS ROYALTY OWNER DOROTHY BODE LEASE ACREAGE 40.
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 847 ADDRESS (OFFICE)
JANE LEW, WV 26378-0080

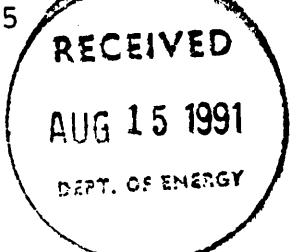
MAY 31 1991

6-6 Wilbur (092)

LONGITUDE 80° 47' 30"

COUNTY NAME
PERMIT

FORM WV-8



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

Well Operator's Report of Well Work

Farm name: BODE, DOROTHY H.

Operator Well No.: BODE 3 (592S)

LOCATION: Elevation: 1223.00 Quadrangle: WEST UNION

District: MCELROY County: TYLER
Latitude: 1200 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 2900 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: 05/27/91
Well work Commenced: 07/10/91
Well work Completed: 07/17/91
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 5300
Fresh water depths (ft) 50, 165,
380
Salt water depths (ft) _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8	131	131	50 SKS
7	2295	2295	380 SKS
4 1/2	5283	5283	137 SKS

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

OPEN FLOW DATA

Producing formation BENSON/RILEY Pay zone depth (ft) 5081
Gas: Initial open flow 94 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2095 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 _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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, 91 PETROLEUM ENGINEER

AUG 16 1991

1	STAGES	WATER	FRAC	07/23/91	DATE	
ZONES	PERFS	HOLES	BBL	BP	ISIP	
BENSON/RILEY	5081-5090	2	800	1800	1540	
	5153-5158	15				

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
RR & SHALE	BROWN	HARD 0	20		GAS CK @ 2897 30/10 1" W/W
SAND	BROWN	HARD 20	25		3023 30/10 1" W/W
SAND & SHALE	GRAY	HARD 25	45		3682 30/10 1" W/W
RR	RED	HARD 45	55		4090 30/10 1" W/W
SAND & SHALE	GRAY	SOFT 55	365		4749 38/10 1" W/W
SAND	BROWN	SOFT 365	410		4843 22/10 1" W/W
SAND & SHALE	GRAY	SOFR 410	832		5188 50/10 1" W/W
SAND	GRAY	HARD 832	841		5300 80/10 1" W/W
SAND & SHALE	BROWN	HARD 841	1225		
SHALE & RR	GRAY	HARD 1225	1281		
SAND & SHALE	GRAY	SOFT 1281	1325		
SAHLE & RR	BROWN	SOFT 1325	1430		
SAND & SHALE	GRAY	SOFT 1430	1525		
SAND	BROWN	HARD 1525	1535		
SAND & SHALE	BROWN	HARD 1535	1602		
SAND	BROWN	SOFT 1602	1690		
SHALE & RR	GRAY	SOFT 1690	1908		
SAND	GRAY	SOFT 1908	1972		
SAND & SHALE	GRAY	HARD 1972	2070		
BIG LIME	BROWN	HARD 2064	2138		
BIG INJUN	GRAY	HARD 2138	2238		
SAND & SHALE	GRAY	SOFT 2238	2845		
GORDON	GRAY	SOFT 2845	2875		
SAND & SHALE	BROWN	SOFT 2875	4665		
RILEY	BROWN	SOFT 4665	4745		
SAND & SHALE	BROWN	HARD 4745	5148		
BENSON	GRAY	HARD 5148	5155		
SAND & SHALE	GRAY	SOFT 5155	5300		
TD		SOFT 5300			

12220

095-1463
 Issued 5/27/91

FORM WW-2B

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

Page of
 Expires 5/27/93

- 1) Well Operator: ⁸⁴⁷ STONEWALL GAS COMPANY 47850 (5) 670
- 2) Operator's Well Number: BODE #3 (592-S) 3) Elevation: 1223'
- 4) Well type: (a) Oil ___ / or Gas X /
 (b) If Gas: Production X / Underground Storage ___ /
 Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): BENSON 435
- 6) Proposed Total Depth: 5300' feet
- 7) Approximate fresh water strata depths: 50' & 730'
- 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	9 5/8"		26#	100'	100'	38-CSR 18-11.3
Fresh Water						ok mly
Coal						
Intermediate	7"	J-55	20#	2300'	2300'	38 CSR 18-11.2.2
Production	4 1/2"	J-55	10.5#	5240'	5240'	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

RECEIVED

MAY 0 1 91

For Division of Oil and Gas Use Only

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

12222

- 1) Date: MAY 6, 1991
- 2) Operator's well number
BODE #3 (592-S)
- 3) API Well No: 47 - 095 - 1463
State - County - Permit

RECEIVED
Division of Energy
MAY 07 91

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

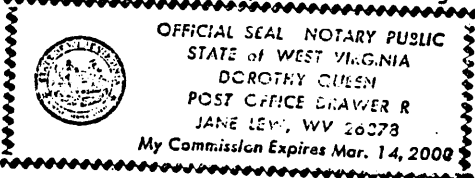
- 4) Surface Owner(s) to be served:
 - (a) Name DOROTHY H. BODE
Address 200 GRAND AVE.
WEST UNION, WV 26456
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name N/A
Address _____
 - (b) Coal Owner(s) with Declaration
Name SAME AS SURFACE
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector MIKE UNDERWOOD
Address RT 2 BOX 135
SALEM, WV 26426
Telephone (304)- 782-1043

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, 19 91

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