

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

WELL REFERENCES:  
 N80°W, 114.50' TO 8" SASSAFRAS  
 N48°45'E, 134' TO 6" POPLAR

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION EXIST. WELL 1781  
 ELEV. - 774'

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) \_\_\_\_\_  
 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 JUNE 13, 19 91  
 OPERATOR'S WELL NO. McREYNOLDS NO. 2  
 API WELL NO.

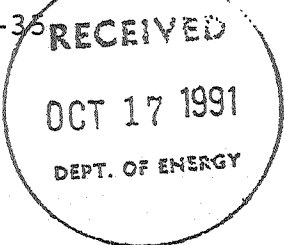
WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 777' WATERSHED FLINT RUN  
 DISTRICT GRANT 3 COUNTY DODDRIDGE  
 QUADRANGLE SMITHBURG 7.5 min. *Centerville WC*

SURFACE OWNER SOPHIE OLIVETO GESSLER  
 OIL & GAS ROYALTY OWNER J. D. Mc REYNOLDS ACREAGE 387  
 LEASE NO. \_\_\_\_\_ LEASE ACREAGE 1500

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 5100'-6-6 *Swiger (Flint Run) (097)*  
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT JESSE SHELL  
 ADDRESS P. O. DRAWER R 841 ADDRESS P. O. DRAWER R  
 JANE LEW, WV 26378 JANE LEW, WV 26378

3580' LATITUDE 39°22'30"  
 80°42'30" LONGITUDE  
 COUNTY NAME PERMIT



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

Reviewed TMG  
Recorded \_\_\_\_\_

Well Operator's Report of Well Work

Farm name: GESSLER, SOPHIE OLIVETO Operator Well No.: 2 608 S  
MC REYNOLDS #2

LOCATION: Elevation: 777.00 Quadrangle: SMITHBURG

District: GRANT County: DODDRIDGE  
Latitude: 1160 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 3580 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: STONEWALL GAS COMPANY  
909 E. MAIN ST. P.O. BOX 1575  
RICHMOND, VA 23213-0000

Agent: JESSE A. SHELL

Inspector: MIKE UNDERWOOD  
Permit Issued: 08/01/91  
Well work Commenced: 08/02/91  
Well work Completed: 08/17/91  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5080  
Fresh water depths (ft) 10, 20,

~~Salt water depths (ft)~~ 160 NONE REPORTED

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 65

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	127	127	86 SKS
8 5/8	1102	1102	255 SKS
4 1/2	5011	5011	561 SKS

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4891  
Gas: Initial open flow 103 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 696 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 1 Hour:s  
Static rock Pressure 1400 psig (surface pressure) after 168 Hour:s

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 \_\_\_\_\_ Hour:s  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hour:s

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.

RECEIVED

NOV 01 91

Division of Energy  
and Gas Section

For: STONEWALL GAS COMPANY

By: [Signature] RAY M. FREAR, JR.  
Date: OCTOBER 15, 91 PETROLEUM ENGINEER

NOV 8 - 1991

1

STAGE

FRAC

WATER

DATE

08-22-91

ZONES

PERFS

HOLES

BBL

BP

ISIP

BENSON	4891-4897	18	750	1580	1230
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FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
RR & SHALE	GRAY	HARD	0	10	
CLAY	GRAY	HARD	10	20	
SHALE	GRAY	HARD	20	67	
COAL	BLACK	SOFT	65	69	
SAND & SHALE	GRAY	SOFT	69	104	
RR	RED	HARD	104	114	GAS CK 2707 8/10 2" W/W
SHALE & RR	GRAY	SOFT	114	120	2988 6/10 2" W/W
SAND & SHALE	BROWN	HARD	120	168	3452 4/10 2" W/W
SHALE & RR	BROWN	HARD	168	178	4728 4/10 2" W/W
SAND & SHALE	BROWN	SOFT	178	201	4946 6/10 2" W/W
SAND	GRAY	SOFT	201	230	5080 4/10 2" W/W
SAND & SHALE	GRAY	SOFT	230	492	
SAND	BROWN	HARD	492	510	
SHALE & RR	GRAY	HARD	510	925	
SAND	GRAY	SOFT	925	945	
SHALE & RR	BROWN	SOFT	945	1035	
SAND & SHALE	BROWN	HARD	1035	1246	
SAND	GRAY	HARD	1246	1600	
SAND & SHALE	GRAY	SOFT	1600	1731	
LITTLE LIME	GRAY	HARD	1731	1746	
SAND & SHALE	BROWN	SOFT	1746	1756	
BIG LIME	BROWN	SOFT	1756	1830	
BIG INJUN	BROWN	HARD	1830	1990	
SAND & SHALE	GRAY	HARD	1990	2538	
GORDON	GRAY	SOFT	2538	2675	
SAND & SHALE	GRAY	SOFT	2675	4605	
RILEY	GRAY	HARD	4605	4625	
SAND & SHALE	BROWN	HARD	4625	4892	
BENSON	BROWN	SOFT	4892	4902	
SAND & SHALE	BROWN	SOFT	4902	5080	
TD			5080		

RR = Redrock

25921

017-3902  
 Issued 08/01/91  
 Page ... of ...  
 Expires 08/01/93

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

- 1) Well Operator: STONEWALL GAS COMPANY 47850 (3) 610
- 2) Operator's Well Number: MCREYNOLDS #2 (608-S) 3) Elevation: 777'
- 4) Well type: (a) Oil  / or Gas  /  
 (b) If Gas: Production  / Underground Storage   
 Deep  / Shallow
- 5) Proposed Target Formation(s): BENSON
- 6) Proposed Total Depth: 5080' feet
- 7) Approximate fresh water strata depths: 20', 480', 1080'
- 8) Approximate salt water depths: 1200'
- 9) Approximate coal seam depths: 785'
- 10) Does land contain coal seams tributary to active mine? Yes  / No
- 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#	100'	100'	38 CSR 18-11.3
Fresh Water						D.K. WHL
Coal						
Intermediate	8 5/8"		20#	1100'	1100'	38 CSR 18-11.2.2
Production	4 1/2"	J-55	10.5#	5020'	5020'	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

JUL 23 31

For Division of Oil and Gas Use Only

20  
 Fee(s) paid: \_\_\_\_\_  
 Well Work Permit \_\_\_\_\_  
 Reclamation Fund \_\_\_\_\_  
 WPCP \_\_\_\_\_

1) Date: JULY 22, 1991  
2) Operator's well number  
MC REYNOLDS #2 (608-S)  
3) API Well No: 47 - 017 - 3902  
State - County - Permit

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

RECEIVED  
JUL 23 91

4) Surface Owner(s) to be served:  
(a) Name SOPHIE OLIVETO GESSLER  
Address CP STAR RT BOX 72  
WEST UNION, WV 26456  
(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



OFFICIAL SEAL NOTARY PUBLIC  
STATE of WEST VIRGINIA  
DOROTHY QUEEN  
POST OFFICE DRAWER R  
JANE LEW, WV 26378

My Commission Expires Mar. 14, 2000

Subscribed and sworn before me this 22ND day of JULY, 19 91

[Signature]  
My commission expires

MAR 14, 2000

Notary Public