

Jamie 7/3/90

8260'

LATITUDE 39° 22' 30"

7.5'

0.255  
1.55 W

PITTS

PITTS

29" BLACK OAK (FOUND)

S82°30'W  
924'

N68°W  
858'

S63°28'E, 2693.27'

N48°38'W,  
1299.35'

18" RED OAK (FOUND)

N76°30'W,  
1475.21'

S35°30'E, 726'

NICHOLAS

77. AC.

REED

157.75 AC.

ELMORE

PETROVICH

BODE

ZIEGENFUSS

NO. 4 ( ) 1633'

1362

NO. 3

1406

1359

1407

NO. 2 ( ) 1601'

017-3836

WELL REFERENCES:

S56°W, 126' TO POST

N11°W, 171' TO 4" WALNUT

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

3.135  
1.55 W

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

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1 IN 200  
PROVEN SOURCE OF ELEVATION TOP OF KNOB 2600' NW OF LOC. AT ELEV. 1137

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. NO. 674

STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE JUNE 19, 19 89

OPERATOR'S WELL NO. PITTS 3

API WELL NO. \_\_\_\_\_

47 - 095 - 1407

STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_

(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 860' WATER SHED SANDY RUN

DISTRICT McELROY'S COUNTY TYLER

QUADRANGLE WEST UNION 7.5' + 15' EC

SURFACE OWNER ERMA PITTS ACREAGE 157.75

OIL & GAS ROYALTY OWNER STEPHEN PITTS LEASE ACREAGE 227.

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 5150'

WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT JESSE A. SHELL

ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R

JANE LEW, WV 26378-0080

JANE LEW, WV 26378-0080

JUL 20 1990

6.6 Wilbur (092)

FORM WW-6

H.T. HALL 48673

LONGITUDE 80°45'00"

COUNTY NAME

PERMIT

RECEIVED

SEP 26 1990

DEPT. OF ENERGY

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

Well Operator's Report of Well Work

Farm name: PITTS, ERMA M. Operator Well No.: PITTS #3 416-S

LOCATION: Elevation: 860.00 Quadrangle: WEST UNION

District: MCELROY County: TYLER  
Latitude: 1370 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 8260 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: JESSE A. SHELL

Inspector: GLEN P. ROBINSON  
Permit Issued: 07/16/90  
Well work Commenced: 08-17-90  
Well work Completed: 08-23-90  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable Rig  
Total Depth (feet) 5050  
Fresh water depths (ft) \_\_\_\_\_  
25  
Salt water depths (ft) \_\_\_\_\_  
320 904  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	136	136	82 SKS
8 5/8	1190	1190	225 SKS
4 1/2	4935	4935	710 SKS

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4806  
Gas: Initial open flow 133 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 3069 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) 4352  
Gas: Initial open flow 133 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 3069 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

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: SEPTEMBER 21, 90 PETROLEUM ENGINEER

1990

RECEIVED

STAGE	2	FRAC	WATER	DATE	09-06-90		
ZONES		PERFS		HOLES		BBL	BP ISIP
BENSON		4806-4812		18		800	2150 1752
RILEY		4352-4390		18		600	3500 1788

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
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TOP SOIL	BROWN	SOFT	0	5	2" STREAM @ 25'
SHALE & RR	GRAY	HARD	5	25	DAMP @ 320
SAND & SHALE	GRAY	HARD	25	68	GAS CK 1809 2/10 2" W/W
COAL	BLACK	SOFT	68	72	
SAND & SHALE	GRAY	SOFT	72	483	GAS CK 1840 6/10 1½ W/W
COAL	BLACK	SOFT	483	487	
SAND	BROWN	HARD	487	500	GAS CK 1870 10/10 1½ W/W
SAND & SHALE	BROWN	HARD	500	540	GAS CK 1934 70/10 2" W/W
RR & SHALE	RED	HARD	540	620	
SAND & SHALE	BROWN	SOFT	620	788	GAS CK 1965 90/10 2" W/W
COAL	BLACK	SOFT	788	790	GAS CK 2491 100/10 2" W/W
SAND & SHALE	GRAY	SOFT	790	890	
COAL	BROWN	HARD	890	894	GAS CK 2606 46/10 2" W/W
SAND & SHALE	GRAY	SOFT	894	1688	GAS CK 3358 70/10 2" W/W
LITTLE LIME	BROWN	HARD	1688	1699	
SAND & SHALE	BROWN	HARD	1699	1725	GAS CK 4571 50/10 2" W/W
BIG LIME	GRAY	SOFT	1725	1790	GAS CK 4883 60/10 2" W/W
BIG INJUN	GRAY	SOFT	1790	1940	
SAND & SHALE	GRAY	SOFT	1940	2585	GAS CK TD 10/10 2" W/W
GORDON	BROWN	SOFT	2585	2595	
SAND & SHALE	GRAY	HARD	2595	4366	
RILEY	BROWN	SOFT	4366	4425	
SAND & SHALE	GRAY	HARD	4425	4820	
BENSON	GRAY	SOFT	4820	4830	
SAND & SHALE	BROWN	SOFT	4830	5050	
TD			5050		

25801

71-095-1407  
 Issued 2/16/90  
 Expires 7/16/92  
 Page \_\_\_ of \_\_\_

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

JUN 25 90  
 Permitting  
 Oil and Gas Section

- 1) Well Operator: 547 STONEWALL GAS COMPANY 47350 (S) 670
- 2) Operator's Well Number: PITTS #3 (416-S) 3) Elevation: 860'
- 4) Well type: (a) Oil \_\_\_ / or Gas X /  
 (b) If Gas: Production X / Underground Storage \_\_\_ /  
 Deep \_\_\_ / Shallow X /
- 5) Proposed Target Formation(s): BENSON 4CS
- 6) Proposed Total Depth: 5000' feet
- 7) Approximate fresh water strata depths: 70'
- 8) Approximate salt water depths: 200' & 1100'
- 9) Approximate coal seam depths: 15'
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X /
- 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	
<u>4 1/2"</u> Conductor	11 3/4"		28#	130'	130 CTS	38CSR 18-11.3
Fresh Water						
Coal						
Intermediate	8 5/8"		20#	1150'	1150 CTS	38CSR 18-11.2.2
Production	4 1/2"		10.5#	4950'	4950	38CSR 18-11.1
Tubing						
Liners						

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

For Division of Oil and Gas Use Only

Fee(s) paid: 547 Well Work Permit Blanket Reclamation Fund Blanket WPCP Blanket  
 Plat Blanket WW-9 Blanket WW-2B Blanket Bond Blanket Agent Blanket

1) Date: JUNE 21, 1990  
2) Operator's well number  
PITTS #3 416-S  
3) API Well No: 47 - 095 - 1407  
State - County Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

RECEIVED  
Division  
JUN 25 90  
Permitting  
Oil and Gas Section

4) Surface Owner(s) to be served:  
(a) Name ERMA M. PITTS  
Address C/O STEPHEN B. PITTS  
CP STAR RT, BOX 171  
(b) Name WEST UNION, WV 26456  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:  
Name N/A  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name SEE ATTACHED LIST  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector GLEN P. ROBINSON  
Address RT 1 #6 MT PLEASANT EST.  
MINERALWELLS, WV 26150  
Telephone (304)- 489-2736

(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: *Bij A. ...*  
Its: PRESIDENT  
Address PO DRAWER R  
JANE LEW, WV 26378  
Telephone 304-884-7881

Subscribed and sworn before me this 21ST day of JUNE, 19 90

*Dorothy Jones* Notary Public  
My commission expires MARCH 14, 2000