

Janil 3/20/89

10300'

25

LATITUDE 39°22'30"

LONGITUDE 80°47'30"

CUMBERLEDGE

WELL REFERENCES:

N46°30'E, 172' TO 3" BLACK OAK  
S62°45'E, 113' TO 3" BEECH

PETER

N40°W, 202.13'

WEEKLEY

WEEKLEY

DAVIS

DOAK

NO. 2

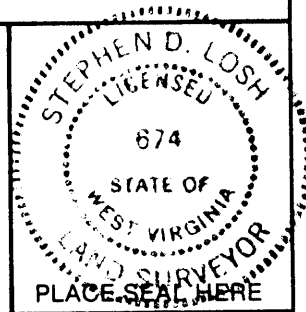
ONO. 2

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" = 500'  
MINIMUM DEGREE OF  
ACCURACY 1 IN 200  
PROVEN SOURCE OF  
ELEVATION B.M. 2800' SW. OF  
LOC. AT ELEV. 740'

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 REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
MENT OF ENERGY.  
(SIGNED) [Signature]  
R.P.E. \_\_\_\_\_ L.L.S. NO. 674  
STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE MARCH 6, 19 89  
OPERATOR'S WELL NO. JAMES NO. 2  
API WELL NO. \_\_\_\_\_

47 - 095 - 1300  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 949' WATERSHED CAMP MISTAKE RUN  
DISTRICT CENTERVILLE COUNTY TYLER  
QUADRANGLE WEST UNION 7.5' 671 1334 +15' EC

SURFACE OWNER JOHN R. PRATT ACREAGE 56.33  
OIL & GAS ROYALTY OWNER WM. SMITH, HEIRS LEASE ACREAGE 60  
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 5250'

WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT CHARLES CANFIELD  
ADDRESS P.O. DRAWER R ADDRESS P. O. DRAWER R

JANE LEW, WV 26378-0080 847 JANE LEW, WV 26378-0080

JUN 12 1989

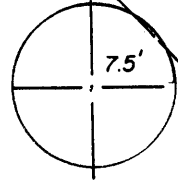
NORTH

FORM WW-6  
H.T. HALL 48673

COUNTY NAME  
PERMIT

0.95  
1.94

3.83  
4.17



S70°30'W,  
854.07'

N57°45W,  
231'

S50°43'W, 1454.18'

N58°01'E, 2276.27'

N40°W, 202.13'

1254 ( ) 2280'

1270 (25) 1379'

2400'

1107 (25) 1810'

1108 (25) 1730'

(092)

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

Well Operator's Report of Well Work

Farm name: PRATT, JAMES & THURMAN Operator Well No.: JAMES 2-408-S

LOCATION: Elevation: 949.00 Quadrangle: WEST UNION

District: CENTERVILLE County: TYLER  
Latitude: 5050 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 10300 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: STONEWALL GAS CO.  
P. O. BOX 1575  
RICHMOND, VA 23213-1575

Agent: JESSE A. SHELL

Inspector: GLEN P. ROBINSON  
Permit Issued: 06/06/89  
Well work Commenced: 11-11-89  
Well work Completed: 11-16-89  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5150  
Fresh water depths (ft) 370  
Salt water depths (ft) 1930

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	133	133	85 SKS
8 /58	1262	1262	280 SKS
4 1/2	4975	4975	690 SKS

**RECEIVED**  
DEC 20 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4891  
Gas: Initial open flow \* \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 1.9 MCF/d Final open flow N/A 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) 4475  
Gas: Initial open flow \* \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 1.9 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 1 Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after 168 Hours

\* OPEN FLOW MASKED BY GAS FROM INJUN FORMATION

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 CO.

By: \_\_\_\_\_  
Date: NOVEMBER 29, 89

FRAC ZONES	STAGE PERFS	DATE HOLES	BBL	SAND	BD	ISIP
BENSON	4891-97	18	700	70,000	1784	1400
RILEY	4475-81	18	600	60,000	2622	1619

FORMATION	COLOR	HARD/SOFT	TOP FT	BOTTOM FT	REMARKS
FILL	BROWN	SOFT	0	5	
SAND & SHALE	GREY	SOFT	50	165	1/4" STREAM @ 370
SAND	TAN	SOFT	165	226	
RED ROCK & SHALE	BROWN	HARD	226	234	GAS CK 1807 N/S
SAND & SHALE	BROWN	HARD	234	360	GAS CK 1899 N/S
SAND	GREY	SOFT	360	380	
RED ROCK & SHALE	BROWN	SOFT	380	426	GAS CK 1930 28/10 2"
SAND	TAN	SOFT	426	438	H <sub>2</sub> O
SAND & SHALE	BROWN	SOFT	438	620	
RED ROCK & SHALE	GREY	HARD	620	815	GAS CK 2054 22/10 2"
SAND	TAN	SOFT	815	860	H <sub>2</sub> O
SAND-SHALE-RED ROCK	GREY	HARD	860	970	
SAND	TAN	SOFT	970	1010	GAS CK 2644 22/10 2"
SAND-RED ROCK-SHALE	BROWN	HARD	1010	1240	W/MER
SAND	TAN	SOFT	1240	1300	GAS CK 4412 30/10 2"
RED ROCK	RED	HARD	1300	1325	W/MER
SAND & SHALE	GREY	HARD	1325	1400	
SAND	BROWN	SOFT	1400	1500	CAS CK 4506 30/10 2"
SAND & SHALE	GREY	HARD	1500	1800	W/MER
BIG LIME	BROWN	SOFT	1800	1870	
SAND & SHALE	GREY	SOFT	1870	1910	GAS CK 4943 30/10 2"
BIG INJUN	BROWN	SOFT	1910	2030	W/MER
SAND & SHALE	BROWN	HARD	2030	2560	
GORDON	GREY	SOFT	2560	2610	CAS @ TD 28/10 2" MER
SAND & SHALE	BROWN	SOFT	2610	2700	
SHALE	GREY	SOFT	2700	2800	
SAND	GREY	SOFT	2800	2845	
SHALE	BROWN	HARD	2845	2890	
SAND	BROWN	SOFT	2890	2940	
SHALE	GREY	SOFT	2940	3014	
SAND	BROWN	SOFT	3014	3077	
SAND & SHALE	GREY	SOFT	3077	4480	
RILEY	BROWN	HARD	4480	4510	
SAND & SHALE	BROWN	SOFT	4510	4880	
BENSON	BROWN	SOFT	4880	4930	
SAND & SHALE	TD BROWN	SOFT	4930	5150	

TD 5150

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DEC 20 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

5/1/8



**RECEIVED**  
MAY 19 1989

1) Date: APRIL 13, 1989  
2) Operator's well number  
JAMES #2 (408-S)  
3) API Well No: 47 - 095 - 1300  
State - County - Permit

**DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY**  
**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: 5) (a) Coal Operator:
- (a) Name JAMES R. & THURMAN W. PRATT Name \_\_\_\_\_  
Address 10215 MALIBU RD N.E. Address \_\_\_\_\_  
MINERVA, OHIO 44657
- (b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name SAME AS SURFACE  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_ Address \_\_\_\_\_
- 6) Inspector GLEN P. ROBINSON (c) Coal Lessee with Declaration  
Address RT 1 #6 MT PLEASANT EST. Name \_\_\_\_\_  
MINERAL WELLS, WV 26150 Address \_\_\_\_\_  
Telephone (304)- \_\_\_\_\_

**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  
 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)  
 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: *Brian A. Harty*  
Its: PRESIDENT  
Address PO DRAWER R  
JANE LEW, WV 26378-0080  
Telephone 304-884-7881

Subscribed and sworn before me this 13TH day of APRIL, 1989

*Brian A. Harty* Notary Public  
My commission expires JANUARY 16, 1991