

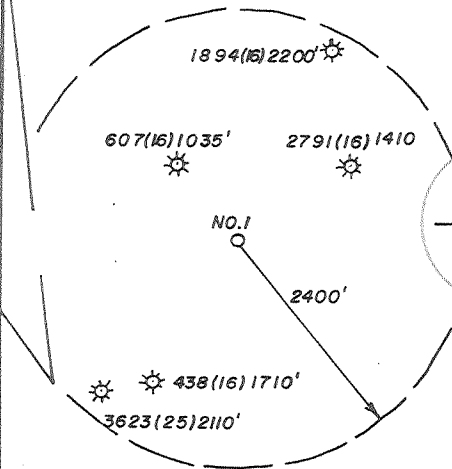
Jamie 12/5/88

WELL REFERENCES :

S 22° 30' E, 113' TO 7" WALNUT  
S 66° 30' W, 152.50' TO 37"  
WHITE OAK

NICHOLAS

PITTS



NORTH

LOSS  
1.982

3.93  
1.98

WILBUR F. ROBINSON  
78. AC. 0 & 6

BODE

SOUTH, 2458.50'

TIE LINES:

- A) N 64° 30' W, 235'
- B) N 66° 27' E, 152.53'
- C) S 24° 02' E, 177.49'

BUCK

NO. 1  
37" WH. OAK  
(FOUND)

PLANTED STONE  
WITH "X"

S 67° 58' W, 462.84'

BAGLEY, ET. AL.

FREEMAN

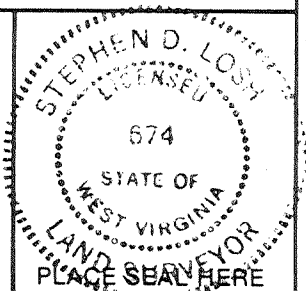
LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018

(+) 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 ROAD INT. 3050' SW.  
 OF LOCATION AT ELEV. 887'

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) *Stephen D. Losh*  
 R.P.E. \_\_\_\_\_ L.L.S. NO. 674  
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE APRIL 18, 19 88  
 OPERATOR'S WELL NO. ROBINSON 1  
 API WELL NO.

47 - 017 - 3686  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1257' WATER SHED CAMP MISTAKE RUN

DISTRICT WEST UNION 8 COUNTY DODDRIDGE

QUADRANGLE WEST UNION 7.5' 671 133 6 +15' EQ

SURFACE OWNER JAMES PETROVICH ACREAGE 70.

OIL & GAS ROYALTY OWNER WILBUR F. ROBINSON LEASE ACREAGE 78.

LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  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 5500'

WELL OPERATOR STONEWALL GAS COMPANY 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

DEC 16 1988

6-6 Wilbur (092)

LONGITUDE 80° 45' 00"

COUNTY NAME

PERMIT

FORM WW-6

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

Well Operator's Report of Well Work

Farm name: PETROVICH, JAMES Operator Well No.: ROBINSIN 1-368S

LOCATION: Elevation: 1257.00 Quadrangle: WEST UNION

District: WESTUNION County: DODDRIDGE  
Latitude: 5575 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 10565 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: CHARLES R. CANFIELD

Inspector: MIKE UNDERWOOD  
Permit Issued: 12/17/88  
Well work Commenced: 01-31-89  
Well work Completed: 02-05-89  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5400  
Fresh water depths (ft) 119  
Salt water depths (ft) 1133

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	217	217	165 sks
8 5/8	1510	1510	320 sks
4 1/2	5375	5375	660 sks

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FEB 21 1989

OPEN FLOW DATA

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Producing formation BENSON Pay zone depth (ft) 5200  
Gas: Initial open flow 65 MCF/d Oil: Initial open flow NA Bbl/d  
Final open flow 1,700 MCF/d Final open flow NA Bbl/d  
Time of open flow between initial and final tests 1 Hours  
Static rock Pressure 1500# psig (surface pressure) after 48 Hours

Second producing formation RILEY Pay zone depth (ft) 4770  
Gas: Initial open flow 65 MCF/d Oil: Initial open flow NA Bbl/d  
Final open flow 1700M MCF/d Final open flow NA Bbl/d  
Time of open flow between initial and final tests 1 Hours  
Static rock Pressure 1500# psig (surface pressure) after 48 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.

FEB 24 1989

For: STONEWALL GAS CO.

By: Benjamin A. Huntley PRESIDENT  
Date: FEBRUARY 17, 89

FRAC DATE 01-14-89 STAGES TWO

PERFS	HOLES	BBL	SAND	BD	ISIP
BENSON 5201 TO 05	15	700	60,000	2212	1465
RILEY 4768 TO 74	18	700	60,000	2180	1680

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
FILL	RED	SOFT	0	5	HOLE WET 119' 1/4 STEAM H <sub>2</sub> O
RED ROCK/SHALE	RED	SOFT	5	75	
SAND/SHALE/RR	RED	SOFT	75	255	HOLE WET 1133 1/4 STREAM H <sub>2</sub> O
SAND/SHALE	GRAY	SOFT	255	1050	
SAND/SHALE	GRAY	SOFT	1050	2120	GAS CK 2204 NO SHOW
BIG LIME	GRAY	HARD	2120	2190	GAS CK 2866 50/10 1" H <sub>2</sub> O
BIG INJUN	GRAY	HARD	2190	2310	
SHALE	GRAY	SOFT	2310	2880	GAS CK 4605 70/10 1" H <sub>2</sub> O
GORDON	GRAY	SOFT	2880	2920	
SAND/SHALE	GRAY	SOFT	2920	4770	GAS CK 5141 80/10 1" H <sub>2</sub> O
RILEY	BROWN	SOFT	4770	4850	
SAND/SHALE	GRAY	SOFT	4850	5170	GAS CK TD 40/10 1" H <sub>2</sub> O
BENSON	GRAY	SOFT	5170	5240	
TD				5400	

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FEB 21 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

8061

17

017-3686  
Issued 12/17/88 Expires  
Page \_\_\_\_\_ of 12/17/90

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

- 1) Well Operator: STONEWALL GAS COMPANY 47850, 8, 070
- 2) Operator's Well Number: ROBINSON #1 (368-S) 3) Elevation: 1257'
- 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: 5400 feet
- 7) Approximate fresh water strata depths: 78', 273', 288'
- 8) Approximate salt water depths: OK 1300'
- 9) Approximate coal seam depths: OK N/A
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 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	
Conductor	11 3/4	ERW	42#	150'	<del>150'</del> CTS	38CSR18-11.3
Fresh Water					200' S.K.W.U.	
Coal						
Intermediate	8 5/8	ERW	23#	1600'	1600' CTS	38CSR18-11.3
Production	4 1/2	ERW	10.5#	5350'	5350'	38CSR18-11.1
Tubing						
Liners						

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

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DEC 01 1988

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Fee(s) paid:      Well Work Permit      Reclamation Fund      WPCP  
Plat      WW-9      WW-2B      Bond 50 Blanket      Agent  
(Type)

5061  
4722  
110  
110

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DEC 01 1988

Page 1 of \_\_\_\_\_  
Form WW2-A  
(09/87)  
File Copy

DIVISION OF OIL & GAS 3)  
DEPARTMENT OF ENERGY

Date: OCTOBER 20, 1988  
Operator's well number  
ROBINSON #1 (368-S)  
API Well No: 47 - 017 - 3686  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- |   |   |
|---|---|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>JAMES PETROVICH</u><br/>Address <u>322 LOVERS LANE</u><br/><u>STEUBENVILLE, OHIO 43592</u></p> <p>(b) Name <u>NICK PETROVICH</u><br/>Address <u>RT 2, BX 28K</u><br/><u>WEIRTON, WV 26062</u></p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>N/A</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>WILBUR F. ROBINSON</u><br/>Address <u>1124 BRYANT ST.</u><br/><u>FAIRMONT, WV 26554</u></p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>N/A</u><br/>Address _____</p> |
| <p>6) Inspector <u>MIKE UNDERWOOD</u><br/>Address <u>RT 2, BOX 135</u><br/><u>SALEM, WV 26426</u><br/>Telephone (304)-<u>782-1043</u></p>   |   |

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 26378-0080  
Telephone (304) 884-7881

Subscribed and sworn before me this 30TH day of NOVEMBER, 19 88

Richard K. G. Davis  
My commission expires \_\_\_\_\_

OCTOBER 14, 1993

~~XXXXXXXXXXXX~~  
COMMISSIONER