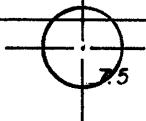


Jimie 11/29/89

6900'

LATITUDE 39° 22' 30"



0.06 S
1.30 E

SANDY

PITTS

GAS LINE
(BOUNDARY)

FRANK DOTSON
51.75 AC

WRIGHT
(FORMERLY)

62

N18°W,
264

NO. 1 S78°4'W, 720.14

STONE IN C RUN

REED

1221.29'
N69°30'E,

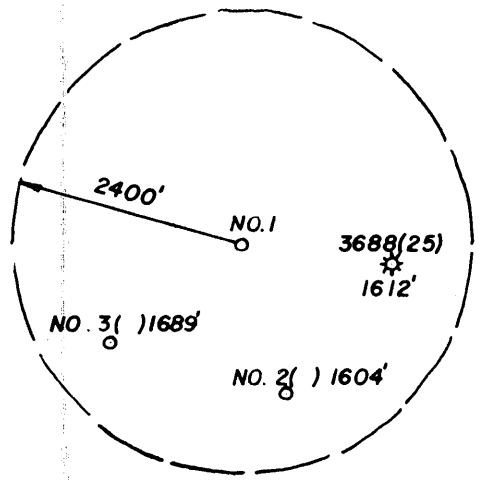
S56°49'W,
523.13

STONE & 12"
WALNUT

REED

S41°E, 181.50'

PITTS



WELL REFERENCES:

- N40°30'W, 173' TO 6" WALNUT
- S84°E, 127' TO UTIL. POLE 58-406

W Union EC
2.94 S
1.30 W

(+) 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 TOP OF KNOB 2600' S. OF LOC. AT ELEV. 1307'

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) Stephen D. Losh
 R.P.E. _____ L.L.S. NO. 674
 STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 28, 19 89
 OPERATOR'S WELL NO. SANDY 1
 API WELL NO.

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 817' WATER SHED SANDY RUN
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE WEST UNION 7.5' + 15' EC

SURFACE OWNER FRANK DOTSON ACREAGE 51.75
 OIL & GAS ROYALTY OWNER WILLIAM SANDY LEASE ACREAGE 637
 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 5100'
 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 847 JANE LEW, WV 26378-0080

DEC 08 1989

LONGITUDE 80° 45' 00"

NORTH

COUNTY NAME

PERMIT

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

Well Operator's Report of Well Work

Farm name: DOTSON, FRANK A. ETUX. Operator Well No.: SANDY #1

LOCATION: Elevation: 817.00 Quadrangle: WEST UNION

District: MCELROY County: TYLER
Latitude: 320 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 6900 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: JESSE A. SHELL

Inspector: GLEN P. ROBINSON
Permit Issued: 12/06/89
Well work Commenced: 02-13-90
Well work Completed: 02-18-90
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5000
Fresh water depths (ft) 58
Salt water depths (ft) 180
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	128	128	80 SKS
8 5/8	1180	1180	320 SKS
4 1/2	4897	4897	720 SKS

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4799
 Gas: Initial open flow * _____ MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 1476 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
 *UNABLE TO DETERMINE DUE TO INJUN FLOWING 492MCFD NATURAL
 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 CO.
By: [Signature] PETROLEUM ENGINEER
Date: MARCH 13, 1990

MAR 19 1990

STAGE 1	FRAC WATER	DATE	02-27-90		
ZONES	PERFS	HOLES	BBL	BP	ISIP
BENSON	4799-4805	18	700	2200	1800

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
DIRT	BROWN	SOFT	0	5	
SHALE	GRAY	HARD	5	12	HOLE DAMP @ 1620
SHALE & SAND	GRAY	HARD	12	150	GAS CK @ 1799 6/10 1" W/W
RR & SHALE	GRAY	HARD	150	170	GAS CK @ 1831 6/10 1" W/W
SAND	BROWN	SOFT	170	315	GAS CK 1923 30/10 2" W/MER
RR & SHALE	GRAY	SOFT	315	345	GAS CK 2079 28/10 2" W/MER
W. SAND	GRAY	SOFT	345	430	GAS CK 2576 16/10 2" W/MER
SAND & SHALE	GRAY	HARD	430	1610	GAS CK 3012 161/0 2" W/MER
SAND	BROWN	SOFT	1610	1650	GAS CK 3699 16/10 2" W/MER
SAND & SHALE	GRAY	HARD	1650	1695	GAS CK 4294 10/10 2" W/MER
B. LIME	BROWN	HARD	1695	1760	GAS CK 4448 10/10 2" W/MER
INJUN	BROWN	HARD	1760	1920	GAS CK 4759 8/10 2" W/MER
SAND & SHALE	GRAY	HARD	1920	2460	GAS CK TD 8/10 2" W/MER
GORDON	BROWN	SOFT	2460	2560	
SAND & SHALE	GRAY	SOFT	2560	4310	
RILEY	GRAY	SOFT	4310	4385	
SAND & SHALE	GRAY	HARD	4385	4780	
BENSON	BROWN	HARD	4780	4790	
SAND & SHALE	GRAY	HARD	4790	5000	

095 1359
 Issued 12/06/89
 Page ___ of ___
 Expires 12/06/91

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

- 1) Well Operator: Stonewall⁸⁴⁷ Gas Company 47850 (5) 670
- 2) Operator's Well Number: Sandy #1 3) Elevation: 817
- 4) Well type: (a) Oil ___ / or Gas X /
 (b) If Gas: Production X / Underground Storage ___ /
 Deep ___ / Shallow ___
- 5) Proposed Target Formation(s): Benson⁴³⁵
- 6) Proposed Total Depth: 5000' feet
- 7) Approximate fresh water strata depths: 75' 84'
- 8) Approximate salt water depths: 1080'
- 9) Approximate coal seam depths: N/A Possible coal seam 459-461
- 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	Fill-up (cu. ft.)
Conductor	11 3/4	ERW	42#	85'	85' <u>45</u>	38 CSR 18-11.3
Fresh Water					3-7000's 120'	<u>0.4 mll</u>
Coal						
Intermediate	5 5/8	ERW	23#	1150'	1150' <u>45</u>	38 CSR 18-11.3
Production	4 1/2	ERW	10.5#	5000'	5000'	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

RECEIVED
 NOV 20 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

6609
 29 | Fee(s) paid: 12 | Well Work Permit 1 | Reclamation Fund 1 | WPCP 1
1 | Plat 1 | WW-9 1 | WW-2B 1 | Bond Blanket | Agent 1

RECEIVED
NOV 20 1989

1) Date: NOVEMBER 17, 1989
2) Operator's well number
SANDY #1 418-S
3) API Well No: 47 - 095 - 1359
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

- | | |
|--|---|
| <p>4) Surface Owner(s) to be served:
(a) Name <u>FRANK A. DOTSON, ET UX</u>
Address <u>514 RAYMER BLVD</u>
<u>TOLEDO, OHIO 43605</u>
(b) Name _____
Address _____
(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:
Name <u>N/A</u>
Address _____
(b) Coal Owner(s) with Declaration
Name <u>SAME AS SURFACE</u>
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name <u>N/A</u>
Address _____</p> |
| <p>6) Inspector <u>GLEN P. ROBINSON</u>
Address <u>RT 1, #6 MT PLEASANT EST.</u>
<u>MINERAL WELLS, WV 26150</u>
Telephone (304)- <u>489-2736</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: Bjorn A. Smith
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378
Telephone 304-884-7881

Subscribed and sworn before me this 17TH day of NOVEMBER, 19 89

Richard K. Edwards

My commission expires OCTOBER 14, 1993

XXXXXXXXXXXXXXXXXXXX
Notary Public