

Jamie 12/05/89

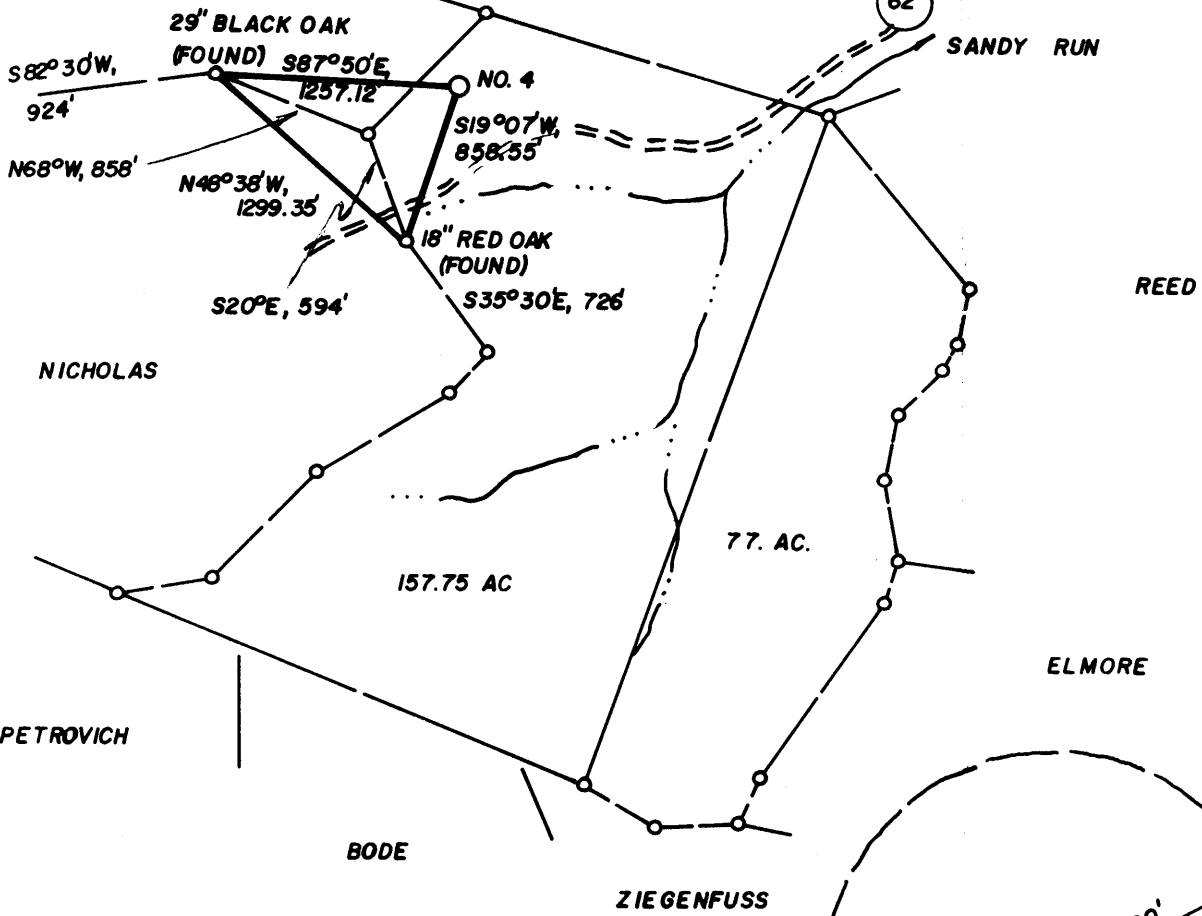
9435'

LATITUDE 39° 22' 30"

0.049
1.77W

PITTS

PITTS



WELL REFERENCES:

N19°E, 97' TO 8" SASSAFRAS
N52°30'W, 164' TO 6" WILLOW

2.92 S
1.77 W

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" = 1,000'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 1150' W. 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) *[Signature]*
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 19, 19 89
OPERATOR'S WELL NO. PITTS 4
API WELL NO. 47-095-1362
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 875' WATERSHED SANDY RUN
DISTRICT McELROY 5 COUNTY TYLER
QUADRANGLE WEST UNION 7.5'
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 SHELL
ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R
JANE LEW, WV 26378-0080 847 JANE LEW WV 26378-0080

COUNTY NAME
PERMIT

6-6 Wilbur (092) DEC 22 1989

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 #4 417-S

LOCATION: Elevation: 875.00 Quadrangle: WEST UNION

District: MCELROY County: TYLER
Latitude: 250 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 9435 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: 12/18/89
Well work Commenced: 02-20-90
Well work Completed: 02-24-90
Verbal Plugging _____
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5000
Fresh water depths (ft) 70

Salt water depths (ft) 185

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	100	100	60 SKS
8 5/8	1076	1076	300 SKS
4 1/2	4910	4910	720 SKS

RECEIVED
MAR 26 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4848
Gas: Initial open flow * _____ MCF/d Oil: Initial open flow * _____ Bbl/d
Final open flow 1905 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1625 psig (surface pressure) after 168 Hours

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

* UNABLE TO DETERMINE DUE TO INJUN FLOWING NATURAL

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.

APR 10 1990

For: STONEWALL GAS CO.

By: [Signature] PETROLEUM ENGINEER
Date: MARCH 20, 1990

FRAC WATER	STAGE	1	DATE	03/06/90			
ZONES	PERFS	HOLES	BBL	SAND	BD	ISIP	
BENSON	4848-4853	15	700	70,000	2080	1710	

FORMATION	COLOR	HARD/SOFT	TOP FT	BOTTOM FT	REMARKS
DIRT	BROWN	SOFT	0	5	GAS CK @ 1859 2/10 2" W/W
SHALE	GRAY	HARD	5	10	GAS CK 1922 2/10 2" W/W
COAL	BLACK	SOFT	10	14	GAS CK 1985 14/10 1" W/W
SHALE	GRAY	HARD	14	40	GAS CK 2540 14/10 1" W/W
SAND	TAN	SOFT	40	75	GAS CK 4072 10/10 1" W/W
RR & SHALE	GRAY	SOFT	75	85	GAS CK 4603 6/10 1" W/W
SAND & SHALE	GRAY	SOFT	85	140	GAS CK 4853 7/10 1" W/W
SAND	BROWN	HARD	140	230	GAS CK TD 6/10 1" W/W
SAND, SHALE & RR	GRAY	HARD	230	1715	
BIG LIME	GRAY	HARD	1715	1810	
INJUN	BROWN	SOFT	1810	1920	
SAND & SHALE	GRAY	SOFT	1920	2470	
GORDON	GRAY	HARD	2470	2540	
SAND & SHALE	GRAY	HARD	2540	3010	
SHALE	GRAY	HARD	3010	4345	
RILEY	GRAY	SOFT	4345	4430	
SAND & SHALE	GRAY	SOFT	4430	4805	
BENSON	BROWN	SOFT	4805	4812	
SAND & SHALE	GRAY	SOFT	4812	5000	
TD	GRAY		5000		

RECEIVED
MAR 26 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

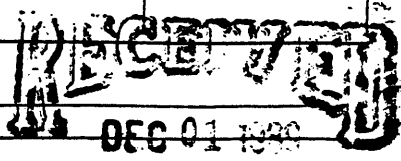
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: ⁸⁴⁷ STONEWALL GAS COMPANY ^{47850 (5) 670}
- 2) Operator's Well Number: PITTS #4 (417-S) 3) Elevation: 875'
- 4) Well type: (a) Oil ___ / or Gas X /
 (b) If Gas: Production X / Underground Storage ___ /
 Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): BENSON 435
- 6) Proposed Total Depth: 5000' feet
- 7) Approximate fresh water strata depths: 30' , 158'
- 8) Approximate salt water depths: 920' , 1011'
- 9) Approximate coal seam depths: N/A 470'-475'
- 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	
<i>2 1/2" 11/14/89</i> Conductor	11 3/4"		28#	100'	100' CTS	38CSR18-11.3
Fresh Water						
Coal						
Intermediate	8 5/8"		20#	1100'	1100' CTS	38CSR18-11.22
Production	4 1/2"		10.5#	4950'	4950'	38CSR18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____



For Division of Oil and Gas Use Only DEPARTMENT OF ENERGY

311 Fee(s) paid: Well Work Permit Reclamation Fund WPCP

 Plat WW-9 WW-2B Bond Agent

RECEIVED
DEC 01 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: NOVEMBER 29, 1989
2) Operator's well number
PITTS #4 417-S
3) API Well No: 47 - 095 - 1362
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:
(a) Name <u>ERMA M. PITTS</u>
Address <u>C/O STEPHEN B. PITTS</u>
<u>CP STAR RT, BOX 171 WEST UNION, WV</u>
(b) Name <u>26456</u>
Address _____

(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:
Name <u>N/A</u>
Address _____

(b) Coal Owner(s) with Declaration
Name <u>SEE ATTACHED LIST</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: [Signature]
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378
Telephone 304-884-7881

Subscribed and sworn before me this 29 day of NOVEMBER, 1989

Richard K. Glavin
My commission expires _____

OCTOBER 14, 1993

XXXXXXXXXXXX