



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M. 863' ON RT. NO. 25 NEW MILTON 7.5' TOPO (1976)

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 MINES.
 (SIGNED) Douglas P. Moats
 R.P.E. 7002 L.L.S.

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE APRIL 15, 19 81
 OPERATOR'S WELL NO. ONE (1)
 API WELL NO. 47-017-2993
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1005' WATER SHED MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON, 7.5' Wadsworth
 SURFACE OWNER JEFFREY S. MEEK, et. ux., et. al. ACREAGE 107.25
 OIL & GAS ROYALTY OWNER JEFFREY S. MEEK, et. ux., et. al. LEASE ACREAGE 107.25
 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 ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT J. ROBERT HORNER
 ADDRESS P. O. BOX 1575 ADDRESS P. O. BOX 225
 RICHMOND, VIRGINIA 23213 CLARKSBURG, WEST VIRGINIA 26301



RECEIVED

STATE OF WEST VIRGINIA JUN - 4 1981
DEPARTMENT OF MINES

Oil and Gas Division
DEPT. OF MINES

WELL RECORD

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle New Milton 7 1/2'
Permit No. 47-017-2993

Company	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
<u>Stonewall Gas Company</u>				
<u>P. O. Box 1575, Richmond, VA 23213</u>				
<u>Farm Jeffrey S. Meek et ux Acres 107</u>				
<u>Location (waters) Meathouse Fork</u>	Size			
<u>Well No. Jeffrey S. Meek #1 Elev 1005'</u>	<u>20-16</u>			
<u>District New Milton County Doddridge</u>	Cond.			
<u>The surface of tract is owned in fee by Jeffrey S. Meek et ux, et al</u>	<u>13-10"</u>	<u>30</u>	<u>0</u>	<u>Pulled</u>
<u>Address Lake Simond Road, Pepper Lake NY 12986</u>	<u>9 5/8</u>			
<u>Mineral rights are owned by same</u>	<u>8 5/8</u>	<u>1259'</u>	<u>1259'</u>	<u>290 Sacks</u>
<u>Address _____</u>	<u>7</u>			
<u>Drilling Commenced 5-02-81</u>	<u>5 1/2</u>		<u>5403'</u>	<u>285 Sacks</u>
<u>Drilling Completed 5-08-81</u>	<u>4 1/2</u>			
<u>Initial open flow 35 cu. ft. _____ bbls.</u>	<u>3</u>			
<u>Final production 146,000 cu. ft. per day _____ bbls.</u>	<u>2</u>			
<u>Well open 4 hrs. before test 1500# RP.</u>	Liners Used			

Attach copy of cementing record. 146 MCF

Well treatment details:
Bradford 20,000# 80/100 Sand-40,000# 20/40 Sand-465 BBLs S. L. Fluid
Benson & Alexander 20,000# 80/100 Sand-40,000# 20/40 Sand
515 BBLs S. L. Fluid

Coal was encountered at None Feet _____ Inches _____
Fresh water 80' Feet _____ Salt Water 1118' Feet _____
Producing Sand Bradford, Benson and Alexander Depth 4544' to 4569' - 5024'
5275-5335 Bradford Benson

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Fill Dirt and Red Rock			0'	15'		
Shale			15'	20'		
Red Rock			20'	38'		
Shale			38'	48'		
Sand			48'	75'		
Sand and Shale			75'	82'		
Sand			82'	125'		<u>Wet @ 80'</u>
Sand and Shale			125'	180'		
Sand			180'	225'		
Red Rock and Shale			225'	250'		
Sand and Shale			250'	280'		
Red Rock and Shale			280'	440'		
Sand			440'	530'		
Red Rock and Shale			530'	570'		
Sand and Shale			570'	720'		
Red Rock and Shale			720'	1125'		<u>SW @ 1,118'</u>
Salt Sand and Shale			1125'	1230'		
Sand and Shale			1230'	2050'		
Lime and Shale			2050'	2070'		
Red Rock			2070'	2080'		
Big Lime			2080'	2140'		
Big Injun			2140'	2230'		
Sand and Shale			2230'	5025'		<u>Gas check</u>
Benson			5025'	5033'		<u>Gas check</u>
Sand and Shale			5033'	5275'		

JUN 23 1981

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks
Alexander Sand and Shale Total Depth			5275' 5355' 5438'	5355' 5438'		Gas Checks @ 3718' 20/10 WTR thru 1/2" @ 4899' 2/10 WTR thru 1/2" @ 5116' 6/10 WTR thru 1/2" @ 5458 11/10 thru 1/2"

Date JUNE 3 1981
APPROVED [Signature] CONSULTANT



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
APR 22 1981

Oil and Gas Division

OIL & GAS DIVISION

DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE April 16, 1981

Surface Owner Jeffrey S. Meek, et ux, et al
Address Lake Simond Road, Pepper Lake, NY 12986
Mineral Owner Jeffrey S. Meek, et ux, et al
Address Lake Simond Road, Pepper Lake, NY 12986
Coal Owner Virginia Tetrick
Address Union National Center Clarksburg, WV
Coal Operator
Address

Company Stonewall Gas Company
Address P.O. Box 1575, Richmond, VA 23213
Farm Jeffrey S. Meek, et ux, et al Acres 107
Location (waters) Meathouse Fork
Well No. Jeffrey's Meek #1 Elevation 1005
District New Milton County Doddridge
Quadrangle New Milton, 7.5

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Operations being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 12-28-81

INSPECTOR
TO BE NOTIFIED Steve Casey

ADDRESS Jane Lew, WV

PHONE 884-7470

J. S. Meek
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated June 5 19 80 by Jeffrey S. Meek, et ux, et al made to C.W. Mutschelknaus and recorded on the 2 day of July 19 80 in Doddridge County, Book 116 Page 5
X NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective addresses day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

OFFICE OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia
Area Code 304 -348-3092 348-3096

Address
of
Well Operator

Very truly yours,
(Sign Name) [Signature]
Well Operator
Stonewall Gas Company
P.O. Box 1575 Street
Richmond City or Town
Virginia 23213 State

BLANKET BOND

47-017- 2993 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by

20 April 1981

West Virginia Coal Company, Inc. Office

Code

We the Virginia A. Tetrick Trust Coal Company have no objections to said well being drilled at this location this lease have examined and place on our mine maps this proposed well location

WAIVER: I the undersigned, Agent for Virginia A. Tetrick Trust Coal Company, Owner or Operator of the coal under thereof. The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty four (24) hours in advance.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OF: 1. SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. 2. ORIGINAL PERMIT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OF: 1. PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

TO DRILL DEEPER OR REDRILL: SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND, ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO DRILL: SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

IS COAL BEING MINED IN THE AREA? NO BY WHOM?

APPROXIMATE FRESH WATER DEPTHS 50' FEET SALT WATER 125' FEET APPROXIMATE COAL DEPTHS NONE

DEPTH	USED FOR DRILLING	WELL	TIME IN	OR SACKS - (TUB. FT.)
20 - 16				
13 - 10	30		30	Circulate
9 - 5/8				
8 - 5/8	1200		1200	Circulate
5 1/2				
4 1/2				
3				
2				
1				

TENTATIVE CASING PROGRAM:

OIL WELL
 GAS X
 COMB
 STORAGE
 DISPOSAL
 WATER FLOOD
 OTHER

GEOLOGICAL FORMATION: Alexander
 DEPTH OF COMPLETED WELL: 5425
 ROTARY
 CABLE TOOLS
 ADDRESS: P.O. Box 225
 TELEPHONE: 304-622-8231
 NAME: J. Robert Hornor
 RESPONSIBLE AGENT

FRACTURE STIMULATE
ON COMPLETION

Willis G. Tetrick