



FILE NO. 5-46
 DRAWING NO. _____
 SCALE 1" = 300'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION INTERSECTION OF ROUTE 18 & COUNTY ROUTE 18/12

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 831' WATER SHED TOM'S FORK
 DISTRICT NEW MILTON 7.5 COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON Vadis 15' NW
 SURFACE OWNER WM. L. & PATRICA J. TRENT ACREAGE 25 ACRES
 OIL & GAS ROYALTY OWNER DENVER COX et. al. LEASE ACREAGE 25 ACRES
 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 DEVONIAN SHALE ESTIMATED DEPTH 5030'
 WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT R. DENNIS XANDER
 ADDRESS P.O. DRAWER F ADDRESS P.O. DRAWER F
BUCKHANNON, WV. 26201 BUCKHANNON, WV. 26201

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE DECEMBER 24, 1981
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-017-3087
 STATE COUNTY PERMIT

APR 6 1982

6-6

New Milton North

(144)

SEP 29 1982
OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

Date Sept. 23, 1982
Operator's
Well No. 125-S
Farm Cox #1
API No. 47 - 017 - 3087

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 831' Watershed Toms Fork
District: New Milton County Doddridge Quadrangle New Milton

COMPANY Stonewall Gas Company
ADDRESS P.O. Drawer F, Buckhannon, WV
DESIGNATED AGENT Charles W. Canfield
ADDRESS P.O. Drawer F, Buckhannon, WV
SURFACE OWNER William L. Trent, et. ux.
ADDRESS Rt. 1, Box 42-A, New Milton WV
MINERAL RIGHTS OWNER Denver W. Cox et als
ADDRESS Route 1, New Milton, WV
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey ADDRESS Rt. 2, Box 232-D
PERMIT ISSUED March 10, 1982
DRILLING COMMENCED 8-15-82
DRILLING COMPLETED 8-22-82

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	20'		None
11 3/4	130'	130'	To Surface
9 5/8			
8 5/8	1552	1552	To Surface
7			
5 1/2			
4 1/2		5249.45	425 Sks
3			(3000-5250)
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Elk Depth 5050 feet
Depth of completed well 5310 feet Rotary x / Cable Tools ___
Water strata depth: Fresh 40, 120 feet; Salt ___ feet
Coal seam depths: None reported Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Alex. - Benson - Riley Pay zone depth 4710-5150 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow ----- Bbl/d
Final open flow 1,774 Mcf/d Final open flow ----- Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1425 psig (surface measurement) after 168 hours shut in
(If applicable due to multiple completion--)
Second producing formation Speechly Pay zone depth 3184-3297 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow ---- Bbl/d
Final open flow 1,774 Mcf/d Oil: Final open flow ---- Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1425 psig (surface measurement) after 168 hours shut in

OCT 18 1982

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

FORM	PERFS	HOLES	SAND	FLUID	BRKD	ISIP
Elk	5108-5150	12	58,000	635 BBLs	2200	1500
Benson	4710-4820	12	50,000	460 BBLs	2800	NA
Riley						
Speechly	3184-3297	10	60,000	643 BBLs	1500	1200

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Gravel	br	s	0	18	
Sand	w	h	18	40	Water at 40', 120'
Shale	gr	s	40	110	
Sand	w	h	110	130	
Shales	rd & gr	s	130	830	
Sand	w	h	830	947	
Shale	rd & gr	s	947	1235	
Sand	w	h	1235	1460	
Shale	gr	s	1460	1530	
Sd & Shale	br	m	1530	1785	
Lime	br	h	1785	1880	
Sand	w	h	1880	1965	
Shales	gr	s	1965	4670	
Silstone	br	m	4670	4740	Show gas at 4720
Shale	gr	s	4740	4815	
Benson	br	m	4815	4840	Small show gas at 4820
Shale	gr	s	4840	5065	
Elk Alexander	br	m	5065	5175	Show gas 5110-5120
Shale	gr	s	5175	5310	
TD				5310	

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator

By:

Charles W. Cuffill

Date:

SEP 24 1982

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



Date: March 9, 1982

Operator's Well No. Cox #1, 125-S

API Well No. 47 017 3087

State County Permit

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

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 831' Watershed: Toms Fork
District: New Milton County: Doddridge Quadrangle: New Milton

WELL OPERATOR Stonewall Gas Company DESIGNATED AGENT R. Dennis Xander
Address P. O. Drawer F Address P. O. Drawer F
Buckhannon, WV 26201 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Denver W. Cox, et.als. COAL OPERATOR _____
Address Route 1 Address _____
New Milton, WV 26411 _____

ACREAGE 25 COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER William L. Trent, et. ux. Name Willis G. Tetrick and
Address Route 1, Box 42-A Address Maxwell Y. Sutton, Trustees
New Milton, WV 26411 Clarksburg, WV 26301

ACREAGE 25 Name Union National Bank, Trustee
Address Clarksburg, WV 26301

FIELD SALE (IF MADE) TO: _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED Name Stephen Casey
Address Route 2, Box 232-D
Jane Lew, WV 26378
884-7470

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

RECEIVED

MAR 10 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease

other contract _____ / dated October 20, 1981, to ~~the undersigned well operator~~ Clarence W.

Mitschelknaus and subsequently assigned to the undersigned well operator.

(If said deed, lease, or other contract has been recorded:)

Recorded on October 29, 1981, in the office of the Clerk of the County Commission of Doddridge County, West Va., in Lease Book 122 at page 374. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Stonewall Gas Company
Well Operator
By R. Dennis Xander
Its Vice President

BLANKET BOND

(12-81)

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 5030 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 20 feet; salt, 410 feet.

Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4		42		X	30'		NONE	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8	ERW	23	X		930'	930'	175 sacks or to fill up	
Production	4 1/2	ERW	10.5	X			5030'	503 sacks or as required	Depths set
Tubing								by rule 15.01	
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 11-25-82.

BY [Signature]

[Handwritten Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____