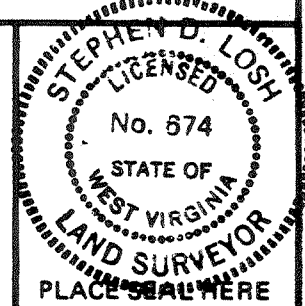


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB  
 ELEV. -1365'

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) Stephen D. Losh  
 R.P.E. \_\_\_\_\_ L.L.S. 674



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

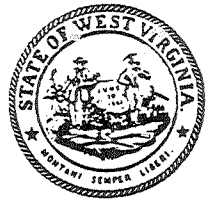


DATE JUNE 21, 19 82  
 OPERATOR'S WELL NO. Barnett NO. 1  
 API WELL NO. 47-017-3120  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1299.70' WATER SHED JOHNSON FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5 min.  
 SURFACE OWNER DON BORDNER ACREAGE 65  
 OIL & GAS ROYALTY OWNER FRANKIE R. McGLAIN LEASE ACREAGE 75  
 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 ELK ESTIMATED DEPTH 5800'  
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD  
 ADDRESS P.O. DRAWER F ADDRESS P.O. DRAWER F  
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

JUL 25 1997  
Meathouse Fork - Bristol (146)

SEP 29 1982  
OIL & GAS DIVISION  
DEPT. OF MINES



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date Sept 22, 1982  
Operator's 148-S  
Well No. \_\_\_\_\_  
Farm Barnett #1  
API No. 47 - 017 - 3120

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 \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow X /)  
LOCATION: Elevation: 1299.70 Watershed Johnson Fork  
District: Greenbrier County Doddridge Quadrangle Big Issac 7.5

COMPANY Stonewall Gas Company  
ADDRESS P.O. Drawer F, Buckhannon, WV  
DESIGNATED AGENT Charles Canfield  
ADDRESS P.O. Drawer F, Buckhannon, WV  
SURFACE OWNER Don Bordner  
ADDRESS 4 Wood Hill, Salem, WV 26426  
MINERAL RIGHTS OWNER Frankie R. McClain  
ADDRESS 483 Hoover Dr., Fostoria, OH  
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey  
ADDRESS Rt. 2, Box 232-D  
PERMIT ISSUED 06/30/82  
DRILLING COMMENCED 7-31-82  
DRILLING COMPLETED 8-7-82  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1506	1506	To Surface
7			
5 1/2			
4 1/2		5648.60	4600-5659
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk Depth 5525 feet  
Depth of completed well 5714 feet Rotary x / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh ----- feet; Salt 1200 172 feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Elk Alexander Pay zone depth 5527-5579 feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow ----- Bbl/d  
Final open flow 189 Mcf/d Final open flow ----- Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1575 psig (surface measurement) after 336 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Benson-Riley Pay zone depth 5232 4960-5238 feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow ----- Bbl/d  
Final open flow 189 Mcf/d Oil: Final open flow ----- Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1575 psig (surface measurement) after 336 hours shut in

OCT 18 1982

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

FORM	PERF	HOLES	SAND	TOTAL FLUID	ISIP
Elk	5527-79	12	75,000 #	680 BBLs	1800
Benson	5232-38	10	48,000 #	462 BBLs	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
Fill	gr	s		0	10	water at 1200'
Sand	w	h		10	140	
Shales	rd & gr	s		140	285	2" stream water at 1721'
Sand	w	h		285	455	
Shale	rd & gr	s		455	1720	2" stream water at 1721'
Sand	w	h		1720	1775	
Shales	rd & gr	s		1775	2310	Show gas
Lime	gr	h		2310	2365	
Sand	w	h		2365	2435	Show gas
Shale	gr	s		2435	2650	
Sand	w	h		2650	3035	Show gas
Shale	gr	s		3035	5190	
Benson	gr	m		5190	5210	Show gas
Shale	gr	s		5210	5490	
<del>Elk Alexander</del>	br	m		5490	5560	Show gas
Shale	gr	m		5560	5740	
Total Depth					5740	

Elk (436)

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator

By:

*Paul W. Coffell*

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."



(12-81)

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

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Elk

Estimated depth of completed well, 5800 feet Rotary X / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, 299 feet; salt, 449 feet.

Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No \_\_\_\_\_ /

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									Kinds
Fresh Water						330'	330'	CTS	
Coal									Sizes
Intermediate	8 5/8	ERW	23	X		1450	1450	300 sks or to fill up	
Production	4 1/2	ERW	10.5	X		5800	5800	540 sks or by 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 3-15-83  
BY [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 \_\_\_\_\_