



28-May-92 API # 47- 95-01393 W

State of West Virginia JUL 07 1994 ivision of Environmental Protection Section of Oil and Gas

W// Division Owell Operator's Report of Well Work **Environmental Protection** 

<u>:</u> \_. Farm name: JEFFERS, JAMES S.

Operator Well No.: UNB #3 441-S

Quadrangle: SHIRLEY LOCATION: Elevation: 998.00

District: MCELROY

MCELROY County: TYLER
11225 Feet South of 39 Deg. 25Min. 0 Sec.
7050 Feet West of 80 Deg. 45 Min. 0 Sec. Latitude: Longitude

Company:STONEWALL GAS COMPANY				
909 E. MAIN ST. P.O. BOX 1.57 RICHMOND, VA 23213-0000	5   Casing	Used in	Left	Cement
·		Drilling	in Well	Fill Up   Cu. Ft.
Agent: JESSE A. SHELL	   Size		 	
Inspector: MIKE UNDERWOOD				i i
Permit Issued: 05/28/92 Well work Commenced: 07/21/92	į			i i
Well work Commenced: 07/21/92				
Well work Completed: 07/21/92	ļ			
Verbal Plugging	ļ	REWORK		
Permission granted on:			~	
Rotary Cable Rig Total Depth (feet)				
Fresh water depths (ft)		 	 	   !
Salt water depths (ft)				 
Is coal being mined in area (Y/N)?				
Coal Depths (ft):	-			1 [
ų,				
OPEN FLOW DATA				

Producing formation	KEENER	Pay zone	e depth (	ft) 1956
Gas: Initial open flow	3300 MCF/d Oi	il: Initial ope	en flow o	Bbl/d
Final open flow	94 MCF/d	Final open	flow 0	Bbl/d
Time of open flow				
Static rock Pressure	<u>240</u> psig (st	irface pressure	e) after	168 Hours
Second producing forma		Pay zone	e depth (	ft)
Gas: Initial open flow	MCF/d O	1: Initial ope	en flow	Bb1/d
Final open flow	MCF/d	Final open	flow	Bb1/d
Time of open flow				Hours
Static rock Pressure	psig (su	ırface pressur	e) 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 COMPANY

OPU Date: JULY 5, 1994

RAY M. FREAR, JR. PETROLEUM ENGINEER

ZONES	PERFS	HOLES	TREATMENT	BREAKDOWN	ISIP	
KEENER	1956-1966 1969-1979	80	750 GALS 15% FE ACID	2000	700	

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

## 2/7//-= 3

Well Operator's Report of Well Work

JEFFERS, JAMES S. Farm name:

Operator Well No.: 3 441-S

LOCATION:

Elevation: 998.00

Quadrangle: SHIRLEY

District:

MCELROY County: TYLER
11225 Feet South of 39 Deg. 25Min. 0 Sec.
7050 Feet West of 80 Deg. 45 Min. 0 Sec. Latitude: Longitude

Company:STONEWALL GAS COMPANY 909 E. MAIN ST. P.O. BOX 1575 RICHMOND, VA 23219-1575	&	Used in	Left in Well	Cement    Fill Up   Cu. Ft.
Agent: JESSE A. SHELL	Size			 
Inspector: GLEN P. ROBINSON Permit Issued: 06/11/90 Well work Commenced: 08-05-90 Well work Completed: 08-10-90	11 3/4	128	128	80 SKS
Verbal Plugging	8 5/8	1135	1135	255 SKS
Permission granted on:  Rotary X Cable Rig  Total Depth (feet) 5125  Fresh water depths (ft) 70	4 1/2	5087	 	     710 SKS
Salt water depths (ft) 835 & 1550				
Is coal being mined in area (Y/N)?N_Coal Depths (ft): N/A				   

## OPEN FLOW DATA

Producing formation BENSON	Pay zone depth (ft) 4986
Gas: Initial open flow * MC	F/d Oil: Initial open flow 0 Bbl/d
Final open flow $2316$ MC	CF/d Final open flow 0 Bbl/d
Time of open flow between	initial and final tests 1 Hours
Static rock Pressure 1600 ps	sig (surface pressure) after 168 Hours
*UNABLE TO DETERMINE DUE TO LARGE	OPEN FLOW FROM INJUN FORMATION
Second producing formation RI	LEY Pay zone depth (ft) 4545
Gas: Initial open flow * _ MC	F/d Oil: Initial open flow 0 Bbl/d
Final open flow 2316 MC	F/d Final open flow 0 Bbl/d
Time of open flow between	initial and final tests I Hours
Static rock Pressure 1600 ps	sig (surface pressure) after 168 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, OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

RECEIVED

SEP 25 1990

DEPT. OF ENERGY

For: STONEWALL GAS COMPANY

'PETROLEÚM ENGINEER

SEPTEMBER Date: 1990

> 007 1 1990

STAGE 2	FR		ER	DATE	08-	29-90					
ZONES		PERFS	•	HOLES		BBI			BP	IS	ΙP
BENSON RILEY		4986-49 4545-45		20 18		700 700		1750 2780	18	800 100	
FORMATION		COLOR		HARD/S	SOFT	TOP		TOM			
RR & SHALE SAND SAND, SHALE, COAL	RR	GRAY BROWN GRAY	SOFT SOFT HARD	0 30 55	30 55 142	GAS	CK CK	1835 1928 1960	NO SHO	HOW	t en
SAND & SHALE SAND SAND & SHALE		BLACK GRAY TAN BROWN	SOFT HARD HARD HARD	142 144 215 225	144 215 225 440			1989	4/10		•
SAND SAND, SHALE, SAND	RR	TAN GRAY TAN	SOFT SOFT SOFT	440 495 635	495 635 655	GAS	CK	2021	26/10	7	W/W
SAND & SHALE L-LIME SAND & SHALE B-LIM INJUN		GRAY BROWN GRAY BROWN BROWN	HARD SOFT HARD SOFT SOFT	655 1855 1870 1885	1855 1870 1885 1963						
SAND & SHALE GORDON SAND & SHALE RILEY		GRAY BROWN GRAY BROWN	HARD SOFT SOFT SOFT	1963 2095 2612' 2665 4486'	2095 2612 2665 4486 4545						
SAND & SHALE BENSON SAND & SHALE TD		GRAY BROWN GRAY	HARD HARD SOFT	4545 4930 4950	4930 4950 5125 5125						



I WW-2B Bond

£1,...

Attachment to:

MAY 2

FORM WW-2B

Permitting Office of Oil & Gas

Page \_\_\_\_ of\_\_\_

Well Operator: Stonewall Gas Company

Operator Well No. : Union National Bank #3 (441-S)

File Number: 47 - 095 - 1393

11.) Proposed well work:

Union National Bank #3 well will have a plug set just above the Riley formation (approximately 4000 feet). Next fresh water will be added to the well to approximately 2000 feet, followed by a 15% HCl acid solution of 750 gallons, followed by more water treated with clay stabilizers to fill the well. Once the well is full, a cement bond log will be run. Next the Keener formation will be perforated from 1956-1980 with 96 holes, and the acid pumped into the perforated zone. The well will then be cleaned out to the plug. Once the well is cleaned up and the packer drilled out, 2 3/8" tubing with a tubing packer will be run to 4000' to isolate the Keener from the lower formations. The Keener is to be used by Equitrans in their storage field operations.

26 78,

	STATE OF WEST DEPARTMENT OF ENERGY, DI	VIRGINIA VISION OF OIL AND GAS
	NOTICE AND APPLICATION FO	OR A WELL WORK PERMIT
4)	Surface Owner(s) to be served: (a) Name JAMES S. JEFFERS Address 1101 S. PAUL ST. BALTIMORE, MD 21202	5) (a) Coal Operator: Name N/A Address
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name UNION NATIONAL BANK OF WV
	(C) Name	Address I/U/A FOR S A SMITH & C. BURKE
	(c) NameAddress	MORRIS, PO BOX 2330, CLARKSBURG, WV
		Name26302-2330 Address
6)	Inspector MIKE UNDERWOOD Address RT 2 BOX 135 SALEM, WV 26426	(c) Coal Lessee with Declaration Name N/A
	SALEM, WV 26426	Address
	Telephone (304) - 782-1043	
	TO THE PERSON(S) NAMED ABO	OVE TAKE NOTICE THAT:
Secti I hav accom	panying documents pages 1 through Personal Service (Affidavit at X_ Certified Mail (Postmarked pos Publication (Notice of Publication to publication of Publication to publication the	extract oil and gas OR and by Chapter 22B, Article 1, a (see page 2) apter 22B of the West Virginia Code application, a location plat, and on the above named parties, by: tached) tal receipt attached) tion attached)
famil	I certify under penalty of law that iar with the information submitted	I have personally examined and am
accaci	nments, and that based on my induir	V of those individuals immediately
T C D P O	nsible for obtaining the information ue, accurate, and complete.	n, I believe that the information
	I am aware that there are significa	nt penalties for submitting false
2	OFFICIAL SCAL NOTARY PURIL WOLL ORDER	t fine and imprisonment.
3 6	STATE OF WEST VILIGINIA BY:	STONEWALL GAS COMPANY
	POST CIFICE DRAWER R Its: DDEC	IDENT
3	My Commission Expires Mar. 14 2000 Address PO D	RAWER R
*******	JANE	LEW, WV 26378
Subsci	Telephone $304$ ribed and sworn before me this $24 \mathrm{T}$	-884-7881
	241 20101C Me CHIS 241	Hday of APRIL , 19 92
My cor	mmission expires <u>MARCH 14, 2000</u>	Notary Public
		The second secon

1) Date: APRIL 24, 1992

2)

3)

Operator's well number

UNION NATIONAL BANK #3 (441-S)

API Well No: 47 - 095 - 1393-REWORK

State - County - Permit

Ordision of Protection

(Ta' 0 5 92

Conce or Oil & Gas

Page 1 of \_\_\_\_ Form WW2-A )9/87)

Permit Copy

essued 6/11/90

## DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

				THE PLUT CHI	TON				
1) Well	Operator:		STONEWALL	S47 GAS COMPANY	4 470 2 .	(5) 606			
2) Opera	tor's Wel:	l Number:	IINTON NAT	IT DANK #2	17830	Elevation: 998			
4) Well (	Eype: (a)	011 /	or G	L BANK #3	3)	Elevation: 998			
••									
	(8)	II Gas:	Producti De	on/ Under ep/	ground Stor	age/			
5) Propos	ed Target	Formatio	on(s):B		Sud1.	low_X/			
			5100						
					20:0K- @ A	15' 100'			
8) Approx:	imate sal	t water a	enths: 2	50' & 360'	AV	00 - 110			
9) Approxi	imate coa	l saam de	pths: 1	101 40	<u> </u>				
		• *							
11) Propose	a mana a	u coal s	eams tribu	tary to act	tive mine?	Yes/ No_X_			
12)	d Mell Mo	rk: DRII	L & STIMUI	LATE NEW	! Wall				
	. •	CASIN	IG AND THE	ING PROGRAM					
TYPE)		PECIFICAT							
DK 4/18/90		DOTPICAL	IONS	<u>FOOTAGE I</u>	NTERVALS	CEMENT			
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up			
Conductor	11 3/4"		28#	100'	100 CTS	38 CSR			
Fresh Water					100 C13	18-11.3			
Coal						·			
Intermediate	8 5/8"		20#	1160'	1160 CTS	38 CSR			
Production	4 1/2"		10.5#	5050'	5050'	18-11.2			
, Tubing					3030	18-11.1			
Liners						<b>D</b>			
TECH									
Sizes									
$O_{ij} \stackrel{Pe_{r_{ij}}}{\longrightarrow} 90$									
_13 Use Only									
Fee(s) pa	19:	Wall Wo	rk Permit	Rec1	amation Fund	WPCP			
graph of	#1 Plat of ww-9 of ww-28 of Bond Stanket CD A Agent								

	•		•			
Page	1 of		1)	Date: MAY	7 21 1990	·
	WW2-A	•				
(09/8			2)	UNION NAT	well number	c ∦3 441-S
	Copy		3)	API Well No		
0						nty - Permit
					• • • • • • • • • • • • • • • • • • • •	רבו הבינים היים היים היים היים היים היים היים
			STATE OF WEST	VIRGINIA		RECEIVE
•		DEPARTMENT	OF ENERGY, DI	VISION OF O	L AND GAS	RECEIVED Division of Ener
		NOTICE AND	ADDITOAMION E	OD 3 1777 176		MAY 2 1 90
<u>,                                    </u>		MOTICE AND	APPLICATION F	OR A WELL WO	ORK PERMIT	" 2 1 g <sub>0</sub>
∑ (a d ) "	Surface O	wner(s) to 1	he served.	5) (a) Coal	l Operator:	( Septime )
	(a) Name	JAMES S. JE	EFFERS	NameN/A	ri oberacor:	sas Section
	Address	1101 S. PAU	JL ST	Address	- (	- Cection
÷		BALTIMORE;	MD 2/202			
<u>*</u>	(b) Name	BALTIMORE,	٠	(b) Coal Ov	vner(s) with	Declaration
😤 🐔	Address _	٠. ٤	·	Name UNION	NATIONAL E	BANK OF WV
			1 100			MITH & C. BURKE
	(c) Name					S MORRIS
	Address _			Name <u>PO</u>		:
				Address CLA	RKSBURG, WV	_26302-2330
<i>-</i> \				ं १८ ह		<u> </u>
· 6)		GLEN ROBI		(c) Coal Le	ssee with D	eclaration
	Address _	RT 1 #6 1	MT PLEASANT ES	TName N/A		
	MINERAL	WELLS, WV	26150	Address		
	Terebuone	(304)489	9-2/36			
Secti	Included on 8(d) of the served	is the information of the Code of the Code of the Couments page on all Service of the Code	the right to mation required west Virgin quired under Conis notice and ges 1 through a (Affidavit a (Postmarked postmarked postmarke	ed by Chapte ia (see page hapter 22B of application on the attached) stal receipt	er 22B, Arti 2) of the West 1, a location bove named 2 attached)	Virginia Code
familattac responsis tr	I certify iar with thments, and nsible for ue, accura I am award mation, in  OFFICIAL SEAL  STATE OF VISS  DOROTHY POST OFFICE JANE LEW, W My Commission Expire	nd condition under penal the informat nd that base r obtaining ate, and con e that there ncluding the roccurrence OTARY PULLULA T VIRGINIA GUSEN DRAWER R TV 2657	e are significe possibility Well Operator By: Its: Address PO DR JANE Telephone 3	it issued un t I have per on this app ry of those on, I believ ant penaltie of fine and STONEWALL DENT AWER R LEW, WV 2637	der this apsonally exaction for individuals that the sfor submitimprisonmen GAS COMPANY	oplication.  mined and am  orm and all  s immediately  information  tting false  it.
aubsc A	Tiped and	worn Deioi	e me this 21	_ day of	MAY	, 19 <u>90</u>
1)	met.	2				Nahama Bulli
MV CC	mmission	xpires	MAR 14 200	<u> </u>		Notary Public