



WR-35

LOCATION:

### RECEIVED

28-May-92 API # 47- 17-03750 W

OFFICE OF OIL AND GAS state of West Virginia

Division of Environmental Protection

JUL 0 7 1994 Section of Oil and Gas

WV Division Well Operator's Report of Well Work

Environmental Protection RAY Operator Well No.: SANDY 6-424-S

Elevation: 1268.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE

Latitude: 4480 Feet South of 39 Deg. 22Min. 30 Sec. Longitude 4880 Feet West of 80 Deg. 45 Min. 0 Sec.

Company:STONEWALL GAS COMPANY				
909 E. MAIN ST. P.O. BOX 1575	Casing	Used in	Left	Cement
RICHMOND, VA 23213-0000	&   Tubing	Drilling	   in Well	Fill Up
Agent: JESSE A. SHELL				
	Size		1	1
Inspector: MIKE UNDERWOOD		,	i	i i
Permit Issued: 05/28/92			j	İ
Well work Commenced: 06/17/92			· 	
Well work Completed: $06/17/92$ ··			i	l i
Verbal Plugging	]	İ	İ	i i
Permission granted on:		REWORK	' 	' 
Rotary Cable Rig			1	ı
Total Depth (feet)			i	i
Fresh water depths (ft)				'
			l	l
Salt water depths (ft)			Í	İ
Is coal hoing mined in area (V/N)				
Is coal being mined in area (Y/N)?			!	
Coal Depths (ft):		'	ĺ	

#### OPEN FLOW DATA

Producing formation KEENER	Pay zone depth (ft) 2249	
Gas: Initial open flow 3100 MCF/d Oil	: Initial open flow 0 Bbl/	d
Final open flow 1500 MCF/d	Final open flow O Bbl/	d
Time of open flow between initial	and final tests 1 Hour	s
Static rock Pressure 395 psig (sur:	face pressure) after <u>168</u> Hour	s
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 Hour	s
Static rock Pressurepsig (sur	face pressure) after Hour	s

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: STONE VALL GAS COMPANY

By: RAY M. FREAR, JR. Date: JULY 5, 1994 JULY 5, 1994

JUL 8 1994

Operator Well No.: SANDY 6-424-S

County: DODDRIDGE

Feet West of 80 Deg. 45 Min. 0 Sec.

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

#### Well Operator's Report of Well Work

Latitude: 4480 Feet South of 39 Deg. 22Min. 30 Sec.

Elevation: 1268.00 Quadrangle: WEST UNION

Farm name:

LOCATION:

ELMORE, BILLY RAY

District: GRANT

Longitude 4880

Company: STONEWALL GAS CO.

P. O. BOX 1575 Casing | Used in | Left | Cement RICHMOND, VA 23213-1575 |Fill Up| Tubing | Drilling | in Well | Cu. Ft. Agent: JESSE A. SHELL Size Inspector: MIKE UNDERWOOD 85 SKS Permit Issued: 10/03/89 11 3/4 172 172 Well work Commenced: 10-28-89 Well work Completed: 11-02-89 Verbal Plugging 1419 1419 <sup>1</sup>320 SKS 8 5/8 Permission granted on: Rotary X Cable Total Depth (feet) 4 1/2 5433 5433 1700 SKS Fresh water depths (ft) Salt water depths (ft) 2112 Is coal being mined in area (Y/N)?N Coal Depths (ft): N/A division of oil a gas DEPARTMENT OF GLERGY OPEN FLOW DATA Producing formation BENSON Pay zone depth (ft) 5252 MCF/d Oil: Initial open flow N/A Gas: Initial open flow \* Bbl/d Final open flow 1632 MCF/d Final open flow N/ABbl/d Time of open flow between initial and final tests Hours Static rock Pressure 1600 psig (surface pressure) after 168 Hours Second producing formation RILEY Pay zone depth (ft) 4806 Gas: Initial open flow \* MCF/d Oil: Initial open flow N/A Bbl/d Final open flow 1632 MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 1600 psig (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, INCLUDING COAL ENCOUNTERED BY THE WELLBORE. UNABLE TO DETERMINE DUE TO BIG INJUN FORMATION FLOWING 3.148 MMCF NATURA For: STONEWALL GAS CO. By: Ray M JA Date: / NOVEMBER ' DEC 2 9 1989

BENSON	<i>5</i> 252-5258	18 HOLES	BBL 700 BBLS	SAND 70,000 # SAND	BD 2160	ISIF 1600
RILEY	4806-4843	16	700	60,000	3300	1740

FORMATION	COLOR	HARD/SOF	TOP	FT BOT	rom	REMARKS
				FI		
SUB	BROWN	HARD	0	5	½" H <sub>2</sub> 0 @	85'
CLAY	BROWN	HARD	5	10	2	
SAND & SHALE	GREY	HARD	10	75	DUST @ 1	515
RR.	RED	SOFT	75	95		
SAND & SHALE	GREY	HARD	95	232	•	
RR & SHALE	GREY	HARD	232	420	HOLE WET	l" SALT
SAND	BROWN	SOFT	420	465	WATER @	2121
SAND & SHALE	GREY	SOFT	465	570		
SAND	BROWN	SOFT	570	595	CK GAS @	2150 NOsh
SAND & SHALE	GREY	SOFT	595	660	GAS ODOR	@ 2250
SAND	BROWN	HARD	660	1154		
SD & SH & RR	GREY	HARD	1154	1528	GAS CK @ thru 7"	2274 10/18 W/MERC
LITTLE LIME	BROWN	SOFT	2130	2140		
SHALE CONTRACTOR	GRAY BROWN	SOFT HARD	2140 2170	2170 2255	GAS CK @ thru 7"	2366 4/10 W/MERC
INJUN	BROWN	SOFT	2255	2380		
SAND & SHALE	GREY	HARD	2380	2960	GAS CK @ thru 7"	2397 4/10 W/Merc
GORDON	BROWN	HARD	2960	3010		
SHALE (GREY)	GREY	HARD	3010	4750		
RILEY	GREY	HARD	4750	4765	GAS CK @ thru 7"	2925 4/10 W/MERC
SAND & SHALE	GREY	SOFT	4765	5255		
BENSON	BROWN	HARD	5255	5280		
SAND & SHALE	BROWN	HARD	5280	5509	GAS CK @ thru 7"	2987 4/10 W/MER
					GAS CK @ thru 7"	3611 4 <u>/1</u> 0 W/MERC



GAS CK @ 4822 4/10

GAS CK TD 4/10 7"

W/MERC

W/MERC

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

FORM WREC	EME			017 - 375		_	
Environment MAY	<b>ال</b> ريني ,	IMENT OF	TE OF WEST ENERGY, DI ORK PERMIT	VIRGINIA VISION OF O APPLICATIO	II. AND GAS	geof 5/28/92 , 5/28/94	-
1) Well op	amitting <b>GIALOGIS</b>				- 470 <del>4</del> 53 6 (3)		
2) Operato	r's Well	Number:_	SANDY #6	(424-S)	3) El	evation:1268	<del>_</del>
			or Ga			<b>-</b>	
	(b)	If Gas:		n <u>X</u> / Underg P/	round Storag Shallo		
5) Propose	d Target	Formation	n(s): Koo	NR			
6) Propose	d Total [	epth: 20	240-2256.	feet OK	riginal TD.	5509'	
			strata dep	,	35		
8) Approxi	mate salt	water de	epths:	2112			
9) Approxi	mate coal	. seam dep	oths:	NONE	Reportal	***************************************	
10) Does la	nd contai	n coal se	ams tribu	tary to act	ive mine? Ye	es/ No	/
12) AND LOWER	R ZONES.	RUN 2 3/8 KEENER T <u>CASIN</u>	TUBING AN O BE USED IG AND TUBE	ID PACKER TO	4450 TO TO	CLEAN PERFS LATE UPPER FIELD.	WITH Tackes
TYPE	<i>s</i>	PECIFICAT	IONS	FOOTAGE I	NTERVALS	CEMENT	i
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)	
Conductor	113/1	ERW	42"	112:	172	85 SKS	
Fresh Water	) '	·	,			it wo loom	
Coal					- GM	Wall Record	
Intermediate	859.	ERW	23#	1419'	14191	320565.	
Production	48	ERW	10.54	5433'	54331	700 SK5.	
Tubing	2 3/8;	J55	4.6	0	4450	0	
Liners				·			
	PACKERS : Kind						
	ths set						
166	E	er Diviso	n of Oil a	nd Gas Use	Only		
hFee(s) p	(-	<u>1</u> )	ork Permit	$/\Delta$	amation Fund	WPCP	
Plat 47	_  WW-9	Ww-	(4)	ond C	D Blanket	Agent	<u> </u>
					Type)		-

WV Division of Environmental Protection

WAY 2 1 92

Attachment to:

Permitting Office of Oil & Gas

FORM WW-2B

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

Well Operator: Stonewall Gas Company

Operator Well No. : Sandy #6 (424-S)

File Number: 47 - 017 - 3750

REWORK

#### 11.) Proposed well work:

Sandy #6 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 2240-2256 with 64 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.

1,5				
;		ED.		
Page	1 of		1)	Date: APRIL 27, 1992
Form	WW2-A	the mentional Protection	2)	Operator's well number  SANDY #6 (424-S)  API Well No: 47 - 017 - 3750-REWORK
)9/8	37)	MAY 0 5 92		SANDY #6 (424-S)
Permi	37) It Copy	- 02	3)	API Well No: 47 - 017 - 3750-REWORK
		rermitti <b>ng y</b>	*	State - County - Permit
		Office of Oil & Gas		
		STATE O	F WEST	VIRGINIA
		DEPARTMENT OF ENERG	GY, DI	VISION OF OIL AND GAS
		NOTICE AND APPLICAT	TION FO	OR A WELL WORK PERMIT
4)		wner(s) to be served		
	(a) Name	BILLY RAY ELMORE		NameN/A
	Address _	RT 1 BOX 211		Address
		WASHINGTON, WV 2618	31	(b) Coal Owner(s) with Declaration
	(b) Name	KERMIT DAVID ELLISO	N	(b) Coal Owner(s) with Declaration
	Address R'	r 1 BOX 117	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	NameSAME AS SURFACE
	RIPLEY,	r 1 BOX 117 WV 25271		Address
	(c) Name			
	Address			Name
				NameAddress
				Address
6)	Inspector	MIKE UNDERWOO	מכ	(c) Coal Lessee with Declaration
0,	Address	RT 2 BOX 135		Name N/A
	Address _	MIKE UNDERWOO RT 2 BOX 135 SALEM, WV 26426	<del></del>	Name N/A
	m - 1 1	SALEM, WV 20420		Address
	Telebuoue	(304)- 782-1043		
				•
		TO THE PERSON(S) NAM	MED ABO	OVE TAKE NOTICE THAT:
	Included	is the lease or leas	ses or	other continuing contract or
contr	acts by w	hich I hold the righ	nt to e	extract oil and gas <u>OR</u>
X	Included	is the information r	equire	ed by Chapter 22B, Article 1,
Secti	on 8(d) o	f the Code of West \	/iraini	ia (see mage 2)
	I certify	that as required ur	nder Ch	hapter 22B of the <u>West Virginia Code</u>
T hav	e served	conies of this notic	re and	application, a location plat, and
accom	panying d	copies of this hotic	e and	application, a location plat, and
accom				on the above named parties, by:
		onal Service (Affida		
	X Cert	ified Mail (Postmark	red pos	stal receipt attached)
	Publ	ication (Notice of F	Publica	ation attached)
	I have re	ad and understand Ch	napter	22B and 38 CSR 11-18, and I agree
to th	e terms a	nd conditions of any	/ permi	it issued under this application.
	I certify	under penalty of la	wthat	t I have personally examined and am
famil	iar with	the information subm	nitted	on this application form and all
attac	hments, a	nd that based on my	inquir	ry of those individuals immediately
respo	nsible for	r obtaining the info	rmatio	on, I believe that the information
is tr	ue. accura	ate, and complete.	/ <b>1</b>	on, I believe that the intolhation
			nifica	ant penalties for submitting false
infor	mation. i	ncluding the possibi	11+4	of fine and imprisonment
400000	eeeescooceenceec	econoconocionamentall Oper	illey o	of fine and imprisonment. STONEWALL GAS COMPANY
\$	•		- 12/2 -	2// A A A A
<b>3</b> 66.		Visi digital By:	DDI	PCT DENIE
<b>\$</b>	Post o	ALD A SMITH BY A SMITH		ESIDENT /
} \@	JAME L	<sub>EW, WV 20378</sub> Address _		DRAWER R
\$	My Commissio	n Expires Mar. 14 2000	JAN	NE LEW, WV 26378
*******		reserver reserver Telephone	304	4-884-7881
Subsc	ribed and	sworn before me thi	s 271	THday of APRIL , 19 92
,	1.	<i>h</i>		
d_	wother.	Juien)		Notary Public
		\ .		

FORM WW-2B

Isoued 10/03/89 3750 Expres 10/03/91 Page of

	SI	ATE	OF W	<u>est</u>	VIRG	INIA	-/ / •	, 0,	0314
DEPARTMENT	OF	ENE	RGY.	DI	OISIV	N OF	OIL	AND	GAS
						TCATI			

		WELL W	ORK PERMIT	APPLICATION		1
1) Well Op	erator:	STONEWAL	L GAS COME	PANY /	1850, 3, 6	670
2) Operato	r's Well !	Number:_	SANDY #6		3) Ele	vation: 1268'
4) Well ty	pe: (a) (	011_/	or Ga	<u> </u>		
••	(b) ~ )	If Gas:	Production	n_X_/ Underg	round Storage	
			Dee	P/	Shallov	
5) Propose	d Target 1	Pormation	n(s):BE	enson 435		
6) Propose	d Total De	epth:	5450'	feet		,
7) Approxi	mate fresi	water a	str <b>ata</b> dep	ths: 14	8' 387	
8) Approxi	mate salt	water de	pths:	13	180' 1265	
9) Approxi	mate coal	seam der	oths: N/A	A		
10) Does la	nd contair	coal se	ams tribut	tary to act	ive mine? Ye	s/ No_X_/
11) Proposed	d Well Wor	ck:	D.10 51	tomulato 1	VewWell	
12)					en mac	·
	•		•	ING PROGRAM		····
TYPE	S	PECIFICAT	IONS	FOOTAGE II	NTERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"	ERW	42#	160'	160 <b>'</b>	38 CSR 18-11.3
Fresh Water						0.6
Coal			·			71/4
Intermediate	8 5/8"	ERW	23#	1400'	1400'	38 CSR 18-11.3
Production	4 1/2"	ERW	10.5#	5450'	5440'	38 CSR 18-11.1
Tubing		į.				••
Liners					EN TEN P	BINNER
			•			Sed C
	zes				<u> </u>	T 03 1989
	oths set				うできょう	IN OF CHEMERGY
05 23		r Diviso	on of Oil a	and Bas Use	Only DEFART	A upon

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Form	WW2	2-A	
(09/8	37)		
File	Cop	У	

OCT 03 1989 (2)
OCT 03 1989 22

# PHYSICAL & CAS 3) API Well No: 47 - 017 - 3750 State - County - Permit

Date:	SEI	TEMBER	28,	1989	
		well n	umbe	r	
SANDY	#6	424-S			 
ADT II		4.5	Λ1	7	 

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

#### NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name BILLY RAY ELMORE	Name N/A
	Address RT 1, BOX 211	Address
	WASHINGTON, WV 26181	
	(b) Name KERMIT DAVID ELLISON	(b) Coal Owner(s) with Declaration
	Address C/O BILLY RAY ELMORE	Name SAME AS SURFACE
	RT 1, BOX 211	Address
	(c) Name WASHINGTON, WV 26181	
	Address	Name
	-	Address
6)	Inspector MIKE UNDERWOOD	(c) Coal Lessee with Declaration
- ,	Address RT 2, BOX 135	Name N/A
	SALEM, WV 26426	Address
	Telephone (304) - 782-1043	Address
	<u></u>	
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT:
	Included is the lease or leases or	other continuing contact of
contr	Included is the lease or leases or eacts by which I hold the right to	other continuing contract or
V	Included is the information requir	extract off and gas <u>ok</u>
	Included is the information requir	
sect1	ion 8(d) of the Code of West Virgin	
T har	certify that as required under the served served served served served served served served served the served serve	hapter 22B of the West Virginia Code
I Hav	ve served copies of this notice and	application, a location plat, and
accon	mpanying documents pages 1 through	
	X Personal Service (Affidavit a	
	Certified Mail (Postmarked po	
	Publication (Notice of Public	ation attached)
	I have read and understand Chapter	22B and 38 CSP 11-18 and I agree
to th	ne terms and conditions of any perm	it issued under this application
	I certify under menalty of law tha	t I have personally examined and am
famil	liar with the information submitted	on this application form and all
attac	chments and that based on my inqui	ry of those individuals immediately
resno	onsible for obtaining the informati	on I believe that the information
ie tr	rue, accurate, and complete.	on, I believe that the information
15 (1		ant nonalties for submitting false
infor	mation including the negatibility	ant penalties for submitting false
111101	mation, including the possibility	
	- <i>11</i>	STONEWALL GAS COMPANY
	By:	m. Army
		DRAWER R
		E LEW, WV 26378-0080
Subsc	Telephone <u>30</u> 0 cribed and sworn before me this <u>28</u> 7	4-884-7881 TH day of <u>SEPTEMBER</u> , 19 <u>89</u>
<b>.</b>	0 0 1 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	in day of Seriember , 19 69
<u>Ku</u>	chard K- 6. Varite	ŻYCIOHOW XĄXXICOWY.
му сс	ommission expires OCTOBER 14,19	93