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OCT 15 1987 DEPARTMENT OF ENERGY Oil und Ges Phison

Pate	OCT	OB	R 7	7,	8 <i>7</i>	
Opera Well	tor No.	S Al	10S	ĶE	YS	#1
Farm	***	j.		2	27-	S
API I	b ,_	47	_ 09	5	-	1209

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY WELL OPERATOR'S REPORT

OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

- Grand Control of Artistation (Artistation Control of Control o		AKE RUN	<u>•</u> •	
District: CENTERVILLE County TYLER		Quadrangl	e WEST U	NION
CMPANY STONEWALL GAS COMPANY				
ADDRESS PO DRAWER R, JANE LEW, WV 26378 DESIGNATED AGENTCHARLES W. CANFIELD ADDRESS PO DRAWER R, JANE LEW, WV 26378	Caşing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
SURFACE CANER ERNEST ROWAND ADDRESS BOX 493, NEWELL, WV 26050	Size 20-16 Cond.	Marine State of the State of th		
UNERAL RIGHTS CHNERPAUL HYLBERT	13-10"			
ADDRESS 11 MIDDLE MARSH RETREAT, SAVANNAH, OIL AND GAS INSPECTOR FOR THIS WORK GA 31411	9 5/8 8 5/8	1262	1262	320 SKS
MIKE UNDERWOODDRESS SALEM, WV 26426 PERMIT ISSUED SEPTEMBER 8, 87	7 5 1/2			
ORILLING COMPLETED SEPTEMBER 21, 87 ORILLING COMPLETED SEPTEMBER 25, 87	4 1./2	5000	5000	220 SKS
F APPLICABLE; PLUGGING OF DRY HOLE ON DRILLING OR DEPORTED OF DRY HOLE ON DRILLING OR DEPORTED OF DRY HOLE ON DEPORTED OF DRY HOLE ON DRY	liners used			
Pepth of completed wall 5000 feet Rowater strata depth; Fresh 75 feet; Coal seam depths; N/A	Salt_13;	_/ Cabl		1
PEN FLOW DATA				TW-180
Producing formation BENSON Gas: Initial open flow SHOW Mcf/d (Pay	zone dep	th 4870	fee
그 그 그 그 그 그 그는 그는 그를 가는 것 같습니다. 그 그가 있습니다. 그 그 가장이 없었다. 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	Fir	al open f	low_ N/A	A Bbl/
Final open flow 310 Mcf/d Time of open flow between initia	al and fi		_ <u>40</u> .~	- CL 3
Static rock pressure 1225 psig (surface (If applicable due to multiple completion-	measuren .)			**;
Time of open flow between initial static rock pressure 1225 psig (surface	measuren .) Pay	zone dep	th 4455	fee

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

FRAC TWO STAGES	9/30/87		. •		, 210.
PERFS	HOLES	BBL	SAND	B.D.	I.S.I.P.
BENSON 4870-4882	20	585	50,000	1500#	1300#
RILEY 4454-4458	12	715	40,000	2300#	1900#

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FREE	REMARKS Including indication of all fres and salt water, coal, oil and ga				
FILL	RED	SOFT	0	10	date water, coar, our and ga				
SHALE & RED ROCK	RED	SOFT	10	230	H ² 0 75' ½" STREAM				
SAND & SHALE	RED & WHITE	SOFT	230	1840	н ² 0 365' 1" STREAM				
BIG LIME	GREY	HARD	1840	1930					
BIG INJUN	GREY	HARD	1930	2030	GAS CK @ 2070 18/10 1½" H ² 0				
WEIR	GREY	SOFT	2180	2290					
BEREA	GREY	SOFT	2390	2400					
GORDON	GREY	SOFT	2590	2640	GAS CK @ 2656 16/10 1¼" H ² 0				
WARREN	GREY	SOFT	3290	3380					
RILEY	GREY	HARD	4440	4540	GAS CK @ 4534 4/10 1 H ² 0				
-benson	GREY	HARD	4870	4930	GAS CK @ 4934 60/10 11 H ² 0				
T.D.			. !	5055	•				
			·						
					OCT 15 1987				
		•			DIVISION OF OIL & GAS DEPARTMENT OF ENERGY				

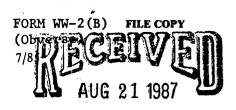
(Attach separate sheets as necessary)

STONEWALL GAS COMPANY Well Operator

VICE PRESIDENT Date:

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed analogical record of all formations, including





1) Date: August	: 12		. 19 87
2) Operator's Well No. Amos	Kevs	#1	227-S
2) 457 11 11 21 47	7 00) E	1200

County

Permit

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION DEPARTMENT OF ENERGY APPLICATION FOR A WELL WORK PERMIT **APPLICATION FOR A WELL WORK PERMIT**

4) WELL TY	PE: A C	Oil	/ Gi	as	X/									
			Production	n	X	_/ Und	ierground	storage		/ Dee	P	_/ Shall	ow X	^
5) LOCATIO	N: El	evation: _				_ Wa		Camp M:			n			
		strict:	Cente				inty.	Tyler				West [
6) WELL OP					_C@OD	E: 华	1000	7) DESIGN	NATED	AGENT _		es W.		eld
Address			<u>Drawe</u>				***	Addı	ress			Drawer		
			Lew.		26378							Lew, W	<u>IV 263</u>	7.8
8) OIL & GA					2 104	2.		9) DRILLI						
Name M					<u>2-104</u>	3)					$S_{-}W_{-}$	Jack I	rilli	ng Co
Address		alem,	Box 1 WV 2		6			Addr	ress		Buckh	annon,		6201
10) PROPOSE	D WELL	WORK:	Drill_X		_/ Drill	deer	oer	/ Redril	1					<u> </u>
,					_	•		rate new form					•	
			Other p	hysical	change in	well (sp	ecify)							•
II) GEOLOGI	CAL TAR	GET FOR												
12) Estima					250		feet							
13) Аррго	ximate tra	ta depths:	Fresh, _		100	fe	et; salt			feet.				
14) Appro			oths:	705	- 710		Is cc	al being mine	d in the	area? Ye	S	/ N	o X	/
15) CASING A	ND TUB	ING PRO						· ·						
CASING OR	11		CIFICATIONS		11		FOOTAGE	INTERVALS		ii CEMEN	FILL-UP	l r	ACKERS	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For	drilling	Left in v	veli		ACKS c feet)			
Conductor	11 3/		7	X	1	30		30'	-	Rule	15.0	Kinds		
Fresh water		1		<u> </u>						amen		13975	010-	11 3
Coal	1				1						foce	Sizes 30	08010	-1172
Intermediate	8 5/	8		Х		126	3 '	1263'		Rula	15 0	3000		
Production	H	2		Х	1 1	525		5250'		Rulo	15 0	Depths set	38/51	710-111
Tubing							<u> </u>	1000				1	2000	ارللل
Liners												Perforation	s:	
												Тор		tom
ı														
					1								•	
· · · · · · · · · · · · · · · · · · ·							E USE							
]	DRILL	ING PE	RMIT						
Permit number		47-09	05-1209)					• •	S	eptemb	er 8	1	9 87
											Dat	e		
This permit cove	ring the w	ell operate	or and wel	l locatio	on shown	below is	evidence	of permission	grante	d to drill i	n accordan	ce with the	pertinent	legal re-
quirements subje o. 8) Prior to the	ct to the c	onditions	contained	herein a	and on the	reverse	hereof No	tification mus	t be giv	en to the D	istrict Oil	and Gas In	spector, (F	lefer to
o. 8) Prior to the	e construct as inspecto	non of ros	ids, locations before ac	ns and	pits for an rmitted w	ny permi ork has	tted work. commence	in addition	, the we	ii operator	or his con	itractor sna	i notify the	e proper
The permitted wo	•			•				•	shipat ta	anu madi	fiantions o	nd aandisia	:C:-	
everse hereof.	JIK IS AS U					i, piat, a	ilu reciain	ation plan, st	ibject to	any mou	ilcations a	na conanto	ns specifie	a on the
Permit expires		Septe	ember 8	5, 19	89		unless wel	l work is com	menced	prior to the	at date and	prosecuted	with due d	iligence.
. ,									*	•		•		
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Bond:	Agent	/: {\t	mat:	(ASI	ሺያ <i>ሷ</i>	ጀን	W CP	X 13/9E	' '	Other				
1 0 1	V	-1	XY- [$y \cdot \mid \alpha$	361	<i>y</i>).		2	11	1	1	1 . 4	
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								(h)	Tan	H	1			_
NOTE: Keep o	ne copy of	f this pern	nit posted a	at the d	rilling loc	ation.	D	irector,	Diy	le jon	f 0i1	and Ga	s	E:I-
		See	the revere	e side o	f the API	LICAN		for instructi	_/_	the well on	erator			File
		L.C.C					- 5 501 1		- Jan 10	υ υμ	4.01.			