

IV-35 (Rev 8-81)

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PEPARTMENT OF MINES

WY DEFARTMENT OF MINES

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WHITE

BIL 2nd Gas Bivision

Date	2-10-82	
Operator Well No.		
Farm	Richards #1	
ADT NO	017	- 3077

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE	: Oil / (If "Gas,"	$Gas_x/$ Li Production	quid Inje _x/ Unde	ction rgrou	/ Was	ste Disposa age/ Dee	l/ p/ Sha	ullow_x_/)
LOCATION:	Elevation:	1189	_Watershe	d	Isaac Cr	eek		200 m 1 1 2
	District:_	Greenbrier	_County	Dodd	ridge	Quadrangl	e Bi	g Isaac
			• **					
	11.0							
	Stonewall Gas						1	Ta
	O Drawer F.,		14V		Caşing	Used in	Left	Cement fill up
	D AGENT R. De		T.7	_	Tubing	Drilling	in Well	Cu. ft.
	PO Drawer F.,				Size			
	WNER John				20-16 Cond.			
	t. 3, Box 92			-Nation				
MINERAL R	IGHIS OWNER_	William E.	Richards,	et.al	se 5/8			
ADDRESS_R	t. 2, Box 311	, Salem, WV	26426		8 5/8		1348	310 sks. to surfac
OIL AND G	AS INSPECTOR	FOR THIS WO	RK Stephen	<u>. </u>	7			to surrac
Casey	ADDRESS	-						
PERMIT IS	SUED		•		5 1/2		5513	(3880°=551
DRILLING	COMMENCED	12-14-81		*****	4 1/2		2212	(3800-331
	COMPLETED '				3	· · · · · · · · · · · · · · · · · · ·		
	ABLE: PLUGG		OLE ON .		2			
CONTINUOU	S PROGRESSION	N FROM DRILL	ING OR		Liners used	-		
GEOLOGICA	L TARGET FOR	MATION	Elv			Dep	Lh 533	feet
Dept	h of complete	ed well		et R	otary :	× / Cable	= Tools	
	r strata depi	***************************************			 Salt	feet		0
	seam depths	*******		/		being mine	ed in the	area?
OPEN ET CO	ממות מ					,	_	
OPEN FLOW Prod	ucing format:	ion Acc	& Benson		Pa	y zone dep	t h	feet
Gas:	Initial ope	en flow 4	7. Mcf	/đ		_	***************************************	Bbl/d
	Final open	762	McE	•	•	nal open f	***************************************	Bbl/d
	•	of open flow	010000000000000000000000000000000000000			-	***************************************	
Stat	ic rock pres							
	applicable d							ماسيد الماسيد الماسيد
	nd producing				· ~ ·	y zone dep	Lih	feet
	Initial op	***************************************				itial open		Bbl/d
	Final open					nal open f	***************************************	Bbl/d
		of open flow		-				
Stat	ic rock pres							
				•				
		•	• • •	20° 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. Ta	(Conta)	Tie on re	nerse side

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

'Formation	Perfs	Sand Fluid	Av. Rate	Av Press	ISIP	BRKI
Alexander	5397-5402	70,000 595	28	2300	-1600	2400
 Benson	5046-5056	70,000 590	28	2250	1600	2800

· WELL LOG

			- W.	ELL LOG	
FORMATION COLOR	HARD OR	SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all-fres and salt water, coal, oil and ga
Shale	Gr.	S	2000	2100	•
Big Lime	Br.	3	- 2100		
Big Injun		. H	2180	2180	
Shales	Gr.		2265	2265	<u>.</u> .
Sand	Wh.	H	1	2740	
Shale & Silt	Gr.	s S	2740	2890	- Gas Show @ 2865
Benson .	Br.	•	2890	. 5045	r en
Shale	Gr.	M	5045	5090	Gas Show @ 5050
Siltstone		S .	5090	5335	· · · · · · · · · · · · · · · · · · ·
	Br.	M	5335	5455	Gas Show @ 5400
Shale TD	Gr.		5455	5574	
1 9			5574		
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			enne produced		to the second second
	•				
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		***		, ** 30 · · ·	

(Attach separate sheets as necessary)

Stonewall Stonewall	Gas Company
Well Operator	
	FRANCIA January
Date: R. Dennis Xar	1det 02/15/82
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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 'coll, encountered in the drilling of a well."

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CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092



Date:	December	3,1981	
Opera Well	tor's No. <u>98-S</u> ,	Richards	#1

API Well No. 47 - 017 - 3064 State County

Permit

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

OIL AND CAS WELL DEDMIT

		OIL AN	(D GAS WELL)	PERMIT	,	
WELL TYPE:	Oil/	Gas <u>X</u> /			•	
	(If "Gas", Produ	ction X/	Underground	i storage	/ Deep/ Shallow <u>x</u>	n
LOCATION:	Elevation:	1189	Watershed:	Cr	reek	
	District: Gree	nbrier	County:[Doddridge	Quadrangle: Big Isaac	7.5
WELL OPERAT	OR <u>Stonewal</u>	l Gas Compa	ny_	DESIGNATED	AGENT R. Dennis Xander	
			_		P. O. Box 225	
	<u>Clarksbu</u>				Clarksburg, WV 20	
OIL & GAS						
	NER William E.	*			TOR	
Address	Route 2,	Box 311		Address _		***************************************
	Salem, WV	26426		-		
Acreage	125			COAL OWNER	R(S) WITH DECLARATION ON REC	ORD:
SURFACE OWN	VER John K. D	avis		Name	Virginia Tetrick	
Address	Route 3,	Box 92		Address_	Union National Center	
	Salem. WV				Clarksburg, WV 26301	
	125			_		
FIELD SALE (I						
•	,					
				COAL LESSE	E WITH DECLARATION ON RECOR	D:
OH. & GAS INS	SPECTOR TO BE N	OTIFIED	and the second s	Name		
	Stephen Case			-		
	Rt. 2, Box 232			•		
* * * * * * * * * * * * * * * * * * *				_		7
	884-7470					
					location under a deed/ lease _	
					wxkwxxxxxxxx Clarence W.	
<u>Mutschelkn</u> IF said deed, le	naus and subs	<u>equently</u> as	ssigned to	o the unde	ersigned well operator.	
			•	the County Cor	nmission of Doddridge Coun	ty, West
	Lease Book					and glassen
	ORK: Drill_X_/					
T MOT OSED W		formation				
				and profile of the	# DEFOTO COLORS - Pro - SPOMES - ENGLISHED DE COL	and the same of th
	Other physica	l change in well (AND	
	mlammed or	chows on the way		Table State Springs		
_					ereof.	
					any objection they wish to make or are re-	-
	22-4-3 must be filed v	vith the Departmer	nt of Mines wit	hin fifteen (15)	days after the receipt of this Applicatio	n by the
Department.	David (
				-	mailed by registered mail or delivered by	•
	of Mines at Charlest			re the day of the	e mailing or delivery of this Permit Appli	cation to
-		· ·		•		
	T COPIES OF ALL LOGS DIRECTLY					
TO:		The state of the s		STO	NEWALL GAS COMPANY	
	A OIL AND GAS				Well Operator	SE STATE OF THE SECOND
CONSERVA	TION COMMIS-	3		Ву	Nums Kun	26%
	SEET EAST			Its Vic	Dennis Xander e President	

PROPOSED WORK ORDER

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

DRILLING C	ONTRAC	CTOR (II	F KNOW	N) _		Unkı	nown			
				Ad	ldress			•		
GEOLOGICA	L TARGI	ET FOR	MAT IO N			Elk				
								y <u>X</u> / Cal	hle tools	,
								750 feet.	Die (0012	/
								in the area? Yes	/ N-	X ,
CASING ANI									7 110	/
CASING OR TUBING TYPE	SPE	CIFICAT	IONS Weight per ft	New	Used		INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	· · · · · · · · · · · · · · · · · · ·
Conductor	11 3/4		42		Х	30'		NONE	Kinds	
with Water										And the second
Alasa da									Sizes	135.57
Intermediate	8 5/8	ERW	23	X		1350'	1350'	250 sacks or to fill up		
Production	4 1/2	ERW	10.5	X		5400 °	5400	540 sacks or as required	Depths set	
Tubing		-						by rule 15.01		
Liners									Perforations:	N. Car
and the second s									Тор	Bottom
*										
	-									
"Reci previo Code	lamation lously paid \$22-4-8a	Plan", apon the same from the corm ly-2 s	pplicable ame well, e owner shall not be	to the the fe of any	eu the reclar e requ water	reof the other mation require ired by Code § well or dwell or fracturing or	d by Code \$ 2 22-4-12a, and (ing within 200	wed by Code § 22-4-22-22-4-12b and Regulation of the proposed well where fracturing of Form IV-2 filed in con	, (iii) Form IV-9 on 23, (iv) unles onsent required by well.	o, s y
	us perm	T MUS	r me pos	STED /	AT TH	E WELL SITE				
A	ll provise the W.	ons being Va. Cad	y in acco le, the le	rdance cation	with	Chapter 22, iby approved				
						shall expire if				
9	nerotions	have not	commen	ced by	·	-8-82 //	,			
	<i></i>	Divarior	Oil a G	<u>کریں</u> ios Div	4U rision					
: * **** ******************************	7620.A	~ · · · · · · ·					*****			* * * * * * * * * * * * * * * * * * *
The f decla	ollowing v ration un	vaiver mi der Code	ust be con e 22-4-2	npleted	l by the	e coal operator	and by any coa ssued within f	l owner or coal lessee lifteen (15) days of re	who has recorded ceipt thereof.	a
ogra-g	_					WAIV				
The undersign	ed has no	objectio	n to the s	work n	TODOCA	rs the area of the dot to be done and the governi	ine well location	the coal under this was, the well location has, provided, the well o	ell location has e been added to the perator has com-	xamined this ie mine map, plied with all
						than.	-			
Date:	······································		, 19	* I			B <u>v</u>			
			•		**		lts			