

FORM IV-2 (Obverse) (08-78)



ate:	June	15	`.ı	19	81

Operator's Well No. 86-S

5202

API Well No. 47 - 085 State County Permit

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

		OIL AND GAS	WELL	PERMIT		
WELL TYPE:		Gas X				
	(If "Gas", Produ	ction/ Unde	ergroun	d storage/	Deep/ Sha	llow X
LOCATION:	Elevation: 10	040 Wat	ershed:	Buffalo Run		-
	District: Grant	Cou	inty:	Ritchie	Quadrangle: <u>Petr</u>	oleum 7.5'
WELL OPERAT	OR <u>Stonewall</u>	Gas Company		DESIGNATED AGE	NT R. Dennis	<u>Xander</u>
Address	P. O. Box	225		Address	P. O. Box	225
•	<u>Clarksbur</u>	g, WV 26301		•	Clarksburg	, WV 26301
OIL & GAS	ATD	riss (fee simp	۱۵۱	COAL OPERATOR	Gene J Cris	s (fee simple)
					1306 24th St	
Address		Street		-	Vienna, WV	
		V 26105				•
Acreage	43 3/4			` ,	VITH DECLARATION	
SURFACE OWN	VER <u>Gene J. C</u>	<u>Criss (fee simp</u>	le)	Name		
Address	SEE ABOVE			Address		
			-			
Acreage						
FIELD SALE (IF MADE) TO:			Address		- 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4) 1 (4)
Address			_			
***************************************				COAL LESSEE WIT	TH DECLARATION C	N RECORD:
OIL & GAS IN	SPECTOR TO BE N	OTIFIED		Name		4 V 1301
Name I	K. Paul Goodr	night .		Address	On &	GAS DIVISION
Address	Smithville	, WV 26178	-		Property Control of the	Company Company
The undersign	ed well operator is ent	itled to operate for oil or g	as purp	ooses at the above locati	on under a deed	_/ lease <u>X</u>
		ch 5, 19 77			-	
to Ralph I	Kuhn, and sub	osequently assi	gnec	l to the under	signed well o	perator.
	•	7, in the office of the	Clerk	of the County Commiss	ion of Ritchie	County, West
		L23 at page 380				
		Drill deeper/				
I KOI OJED 1		formation/ Per				
	Other physica	al change in well (specify	y)			
	—planned as	shown on the work orde	er on ti	he reverse side hereof	•	
The shove man	•	l owner(s), and coal lessee			•	ke or are required to
	-	with the Department of M				•
Department.	22 i o mast oc mos	with the Department of the		Tim Meeon (10) days	and the receipt of the	, repperation of the
	Permit Application an	d the enclosed plat and red	clamatio	on plan have been maile	ed by registered mail or	delivered by hand to
To the second second	-	wner(s), and coal lessee o			• *	
the Department	of Mines at Charles	ton, West Virginia.		C+	All Gas Compa	<u> </u>
PLEASE SUBM	IT COPIES OF ALL			Stone	rail Gas Compe	MIY //
GEOPHYSICAL	LOGS DIRECTLY			VIAL	Dunisla	100-
ΓO:					Well Operator	**
WEST VIRGIN	IA OIL AND GAS ATION COMMIS-	•		By R. Deni	nis Xander	er en
****	A MARKET EAST	, .				
CHARLESTON.		Fig. E. By S. B. S. B. S.	ila e-	Its <u>Manage</u> :		
TELEPHONE: ((304) 348-3092	i zankej i	Juni			

FORM IV-2 (Reverse) (08-78)

PROPOSED WORK ORDER

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

							,,			
				Ad	dress					
					-					
GEOLOGICAL	, TARGE	T FORM	MOITAN	,	lexa	ander				
Estimated	d depth	of comp	leted we	11,	5	500 fe	et Rotary	// Cab	ole tools	_/
Approxir	nate wat	er strata	depths:	Fres	h,8	85feet	; salt, <u>13</u>	90 feet.		
Approxir	nate coal	seam d	epths:			Is coal	being mined	in the area? Yes	/ No	/
CASING AND	TUBING	G PROG	RAM							
									·	
CASING OR TUBING TYPE	SPE Size	CIFICATI Grade	ONS Weight per ft	New	Used	FOOTAGE For drilling	INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
Conductor	11 3/4	K-55	47		Х	40	_	None	Kinds	
	8 3/4		23	X		1600	1600	to surface		
Coal								Jan 1900	Sizes	¥
Intermediate										
Production	4 1/2	ERW	10.5	Х		5500	5500	530 -420 sx 0-	Depths set	
Tubing								as read by		······································
Liners									Perforations:	
									Тор	Bottom
	-									
the De	epartment ribed by	t, accomp	panied by	r (i) a i	plat in	the form preso	ribed by Regul	or copies of Form IV-2 lation 11, (ii) a bond i	n one of the forms	
the Deprescriprevious Code THIS be part All provise of the W. for dri	amation lously paid \$22-4-8a parate For the wors being Va. Cool 11ing	t, accomp Regulation Plan'', and on the sale from the sale	panied by on 12, or pplicable ame well, e owner shall not by this period by the condition is the period by the condition is the period by the condition is the condition in the condition in the condition is the condition in the	(i) a in li to the to the to the fe of any pe requirement is with the termit is a second to the terminal ter	plat in eu the er reclase required like like sough Chapte by app hall ex	the form presone the other mation require ired by Code § well or dwell or Walturing on the and is noted at 22, roved	eribed by Regular security allowed by Code \$ 2 22-4-12a, and (ling within 200 as such on the	ar copies of Form IV-2 lation 11, (ii) a bond if yed by Code § 22-4-22-4-12b and Regulation of the proposed well where fracturing Form IV-2 filed in consplications of the proposed with the proposed well where fracturing from IV-2 filed in consplications.	n one of the forms c, (iii) Form IV-9, on 23, (iv) unless consent required by it well.	
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RECEIVED

JUN 24 1982

IV-35

(Rev 8-81)

OIL AND GAS DIVISION WE DEPARTMENT OF MINES



Date June 8, 1982
Operator's
Well No. 86-H

Farm Gene Criss #1

API No. 47 _ 085 _ 5202

State of Mest Birginia Well No._ Bepartment of Mines Farm 6 Oil and Gas Division API No. 4

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

(If "Gas," Production / Undergrou			p/ Sha	ullow_XX/)
LOCATION: Elevation: 1040' Watershed Br				
District: Grant County Rite	hie	Quadrangl	e Petrol	eum 7.5'
COMPANY Stonewall Gas Company			· · · · · · · · · · · · · · · · · · ·	
ADDRESS P.O. Drawer F, Buckhannon, WV 26201	Caşing	Used in	Left	Cement
DESIGNATED AGENT R. Dennis Xander	Tubing	Drilling		fill up Cu. ft.
ADDRESS P. O. Drawer F, Buckhamon, WV 26201	Size			
SURFACE OWNER Gene J. Criss (fee Simple)	20-16			
ADDRESS 1306 24th St., Vienna, WV 26105	Cond. 13-10"			
MINERAL RIGHTS OWNER Gene J. Criss (fee Simple)	9 5/8			
ADDRESS 1306 24th St., Vienna, WV 26105	8 5/8		1851'	
OIL AND GAS INSPECTOR FOR THIS WORK Deo	7		2071	
Mace ADDRESS Rt. 1, Box 5, Sand Ridge				
PERMIT ISSUED 06-26-81 WV	4 1/2		57/01	//0 5
DRILLING COMMENCED 11-14-81	3		5743	440 Sks. (3000-5773
DRILLING COMPLETED 11-21-81	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON	usea			
GEOLOGICAL TARGET FORMATION Devonian Shales		Dept	th 2500-5	700 feet
Depth of completed well 5795 feet R	otary <u>X</u>	/ Cable	e Tools_	To the Control of the
Water strata depth: Fresh 62' feet;	Salt_ 183	30 feet		
Coal seam depths: 73-77	Is coal	being mine	ed in the	area?
OPEN FLOW DATA			11-0 -	4.4
Producing formation Devonian Shales	Pav	zone dept	UpD. → 2423-3 h	
Gas: Initial open flow 0 Mcf/d				
Final open flow 603 Mcf/d				
Time of open flow between initi				
Static rock pressure 875 psig(surface		_		
(If applicable due to multiple completion-		,		
Second producing formation		zone dept	±h	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				144
Time of open flow between initi				
Static rock pressurepsig(surface:		_		
		•		JUN 2.9 1
		(Contir	zie on re	verse side)

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

Formation	Perfs	<u>Holes</u>	BRKD	Sand Av. Pre	Av. Rate	Fluid	<u>ISIP</u>	Nitrogen
Devonian Shale	3423-3550 Huron	38	1100	120,000 2400	36	501	500	1,100,000

WELL LOG

					REMARKS
FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fres and salt water, coal, oil and ga
Shale	gr	S	0	195	
Sand	W	h	195	310	
Shale	gr	s	310	1050	
Sand	W	h	1050	1105	·
Shale	gr	s	1105	1395	
Sand	W	h	1395	1535	
Shale	gr	S	1535	1665	
Sand	W	h	1665	1710	Water 62', 1830'
Big Lime	br	h	1710	1760	Coal at 73'-77'
Big Injun	W	h	1760	1865	
Shale	g	s	1865	2265	
Berea	br	s	2265	2290	
Shale	gr	s	2290	5795	Show gas at 4545'& 5710'
TD form	- فرسونی			5795	
Rhynos	فعلف				
Onond	57/	0		Particular de la constante de	
				E CONTRACTOR DE	
			ood to the state of the state o		
					61970
					5795
					<u> </u>
					e!

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator

By: Charles W. Canfield

Date: June 22, 1982

5795 3550 2845 explor, A.

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 with encountered in the drilling of a well."