

i Salas de La בר החפרש

· 17-17-17.2 Se Jeenica

State of West Virginia

DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

MG 2 8 31 McCULLOUGH, ENID Operator Well No.: 1 599-S Farm name:

Elevation: 1061.00 Quadrangle: SHIRLEY LOCATION:

> District: MCELROY County: TYLER

13220 Feet South of 39 Deg. 25Min. 0 Sec. 9000 Feet West of 80 Deg. 45 Min. 0 Sec. Latitude: Longitude

Company: STONEWALL GAS COMPANY 909 E. MAIN ST. P.O. BOX 1575 | Casing | Used in RICHMOND, VA 23213-0000 | & | Left Cement Fill Up Tubing Drilling | in Well|Cu. Ft. Agent: JESSE A. SHELL Size Inspector: MIKE UNDERWOOD 07/05/91 Permit Issued: 11 3/4 127 127 <u> 26 SKS</u> Well work Commenced: Well work Completed: 07/18/91 07/23/91 Verbal Plugging 1012 8 5/8 1012 245_SKS Permission granted on:_ Rotary X Cable Rig
Total Depth (feet) 5200
Fresh water depths (ft) 50, 160, 4 1/2 5152 5152 680 SKS Salt water depths (ft) Is coal being mined in area (Y/N)? N Coal Depths (ft): NONE REPORTED

OPEN FLOW DATA

Producing formation	BENSON	Pay zone depth	
Gas: Initial open flow	353 MCF/d Oil:	Initial open flow	0 Bbl/d
Final open flow	2518 MCF/d	Final open flow _	0 Bbl/d
Time of open flow	between initial a	nd final tests	1 Hours
Static rock Pressure	1600 psig (surfa	ce pressure) afte	r_{168} Hours
Second producing format		Pay zone depth	
Gas: Initial open flow	353 MCF/d Oil:	Initial open flow	0 Bb1/d
	2518 MCF/d		
	between initial a		
Static rock Pressure	psig (surfa	ce pressure) afte	r <u>168</u> 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

Кgu By: RAY M. FREAR, JR.

AUGUST PETROLEUM ENGINEER

SEP 1 6 1991 L

						DE		TOTA
BENSON	5047-505	1	16		700	1920	1800	
RILEY	4608-461	4	18		700	1850	1880	
FORMATION	COLOR	H	ARD/SOFT		TOP BOTTOM	REMARKS		
RED ROCK	RED	HARD	0	20				
SAND & SHALE	GRAY	HARD	20	35	GAS CK 2051	4/10 2" W/W		
SAND	GRAY	HARD	35	43	2093	6/10 2" W/W		
RR & SHALE	GRAY	HARD	43	90	2115	50/10 2" W/W		
SAND & SHALE	BROWN	SOFT	90	198	2178	52/10 2" W/W		
SAND	BROWN	SOFT	198	220	2796	32/10 2" W/W		
SAND & SHALE	GRAY	HARD	220	340	3077	54/10 2" W/W		
RR & SHALE	GRAY	HARD	340	420		38/10 2" W/W		
SAND & SHALE	GRAY	SOFT	420	704		70/10 2" W/W		
SAND	BROWN	SOFT	704	720		64/10 2" W/W		
SAND & SHALE	& RR GRAY	SOFT	720	966		60/10 2" W/W		
SAND	BROWN	HARD	960	1004		60/10 2" W/W		
SHALE & RR	BROWN	HARD	1004	1913	5200	70/10 2" W/W		
LITTLE LIME	GRAY	SOFT	1913	1926				
SAND & SHALE	GRAY	HARD	1926	1945				
BIG LIME	BROWN	HARD	1945	2025				
BIG INJUN	BROWN	SOFT	2025	2175				
SAND & SHALE	GRAY	SOFT	2175	2700				
GORDON	GRAY	SOFT	2700	2775				
SAND & SHALE	GRAY	SOFT	2775	4565				
RILEY	BROWN	HARD	4565	4640				
SHALE	GRAY	HARD	4640	5030				
BENSON	GRAY	HARD	5044	5050				
SAND & SHALE	GRAY	HARD	5050	5200				
TD			5200					

FRAC

HOLES

08/01/91

BBL

DATE

BP

ISIP

STAGES

PERFS

ZONES

WATER

Well Work Permit I Reclamation Fund

121 Bond

1 WW-28

			RECEI	VED \			
		1 of		1001	1)	Date: JUNE 1	7, 1991
	Form (09/	WW2-A	JUN 18	3 1891	2)	Operator's well	number
	(02)		DEPT. OF	ENERGY	3)	MCCULLOUGH #1	17 - <u>095</u> - <u>1473</u>
			. , .		. *	State	- County - Permit
				STATE C	्या व	VIRGINIA .	
			DEPART	ENT OF ENER	GY, DI	VIRGINIA VISION OF OIL AN	ID GAS
			NOTICE	AND APPLICA	TION F	OR A WELL WORK P	ERMIT
	4)	Surface (Owner(s)	to be serve	d:	5) (a) Coal Ope	rator:
		(a) Name	ENID MO	CULLOUGH		Name N/A	
		Address .	CHESTER	RD ST R, WV 26034		Address	
		(b) Name				(b) Coal Owner(s) with Declaration
		Address .				Name SAME AS	SURFACE
						Address	
		Address				Name	
						Address	
	6)	Inspector	- MIKE	UNDERWOOD	•		
	0,	Address	RT 2 BOX	135		(C) Coal Lessee	with Declaration
		SALE	1, WV 264	135 26		Address	
		Telephone	= (304) - 7	82-1043			
	Section Sectin Section Section Section Section Section Section Section Section	Included ion 8(d) of I certify we served inpanying of inp	which I h is the i of the Co y that as copies o cocuments conal Ser ified Ma lication and condi y under p the info and that or obtain ate, and	nformation de of West required u f this noti pages 1 th vice (Affid il (Postmar (Notice of nderstand C tions of an enalty of 1 rmation sub based on my ing the inf complete.	ht to require virgin nder Commander	application, a on the above tached) tal receipt att tion attached) 22B and 38 CSR t issued under I have persona on this applica- y of those indi- n, I believe the	gas OR B, Article 1, e West Virginia Code location plat, and named parties,by: ached) ll-18, and I agree this application. lly examined and am tion form and all viduals immediately at the information
i	infor	mation, i	ncluding	nere are si the possib	gnitica ilitv d	nt penalties for fine and impr	r submitting false
* ***		······	***************************************	Well Ope:	rator _	STONEWALL GAS CO	OMPANY
•	CO TO	OFFICIAL SEAL N		By: <u>/3/</u> Its:	Hom	DY	
3 (DOROTHY POST OFFICE		Address	PRESII	AWER R	
}		JANE LEW, W	/V 26378 }		JANE	LEW, WV 26378	
Ž	Subsc	My Commission Expire	SWOTH	Telephone the	e <u>304-</u>	884-7881	
		/	/		. 3 <u>. 1 / 1 [</u>	day of <u>JUNE</u>	, 19 <u>91</u>
	<u> </u>	Athir-	Lilia				Notary Public
	му со	mmission	expires	MARCH 14	2000		-