

20-Mav-94 API # 47- 95-01620

AUG 23 1994

## State of West Virginia

Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work WV Division of

Environmental Protection Farm name: CUMBERLEDGE, JACOB A.

Operator Well No.: JACOB #3 672-S

LOCATION:

Elevation: 967.00

Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 9380 Feet South of 39 Deg. 25Min. Sec.
Longitude 800 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: STONEWALL GAS COMPANY						
909 E. MAIN ST., P.O. BOX 1575	Casing	Used in	Left	Cement		
RICHMOND, VA 23213-0000	&			Fill Up		
	Tubing	Drilling	in Well	Cu. Ft.		
Agent: JESSE A. SHELL				i		
	Size			l İ		
Inspector: MIKE UNDERWOOD				i i		
Permit Issued: 05/23/94	11 3/4	164	164	00 024		
Well work Commenced: 06/25/94		104	104	180_ <u>SK</u> \$		
Well work Completed: 07/15/94				l İ		
Verbal Plugging	8 5/8	1087	i 1087	270 024		
Permission granted on:			100/	270 SKS		
Rotary X Cable Rig				l İ		
Total Depth (feet) 5152	1 1/2	5098	5098	000 07		
Fresh water depths (ft) 100	<del>4</del> -1/4		2098	<u> 800 sk</u> s		
				l İ		
Salt water depths (ft) 1474				l i		
Is coal being mined in area (Y/N)? N				l i		
Coal Depths (ft): NONE REPORTED				l i		
				i		

## OPEN FLOW DATA

Producing formation	BENSON	Pay zone depth	(ft) 4932
Gas: Initial open flow	0 MCF/d Oil:	Initial open flow	$0 \frac{\text{Bbl/d}}{}$
Final open flow	1524 MCF/d	Final open flow	0 Bbl/d
		and final tests	
Static rock Pressure	<u> 1325</u> psig (surf	ace pressure) afte	r <u>168</u> Hours
Second producing format	ion	Pay zone depth	(ft)
Gas: Initial open flow_	MCF/d Oil:	Initial open flow	Bbl/d
		Final open flow	
		and final tests	
Static rock Pressure	psig (surf	ace pressure) afte	rHours

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 COMBANY	
	By: BAMMY	B. A. HARDESTY,
	Date: AUGUST 19, 10/94	PRESIDENT

18110 6 8 1994

_	11	STAGES	WATER	FRAC	07-22-94	DATE		
_	ZONES		PERFS	HOI	ıES	BBL	BP	ISIP
	BENSON	4932	2-4936	16	700	1	824	1737

					<del></del>					
FORMATION			/SOFT		TOP BOTT	OM		REMARKS		
HALE AND SAND	BROWN	SOFT	0 4	40						
ND, SHALE, RR	GRAY	SOFT	40 18	85	GAS C	K @	1928	NO SHOW		
HALE & SAND	BROWN	SOFT 1	185: 41	10			1959	NO SHOW		
R, SHALE, SAND	GRAY	HARD 4	410 77	77			1989	NO SHOW		
ND & SHALE	GRAY	HARD 7	777 86	67				8/10 2" 1	W/W	
₹ND	BROWN	SOFT 8	867 90	06				12/10 2"		
AND & SHALE	GRAY	SOFT 9	906 101	10				12/10 2"		
₹	RED	HARD 10	010 102	20				12/10 2"		
ND & SHALE	GRAY	HARD 10	020 142	25				12/10 2"		
HITE SAND	WHITE	SOFT 14	425 150	00				12/10 2"		
ND & SHALE	GRAY	SOFT 15	500 158	82				12/10 2"	•	
₹ <b>N</b> D	BROWN	HARD 15	582 162	28				·	·	
AND & SHALE	GRAY	HARD 16	628 164	48						
HITE SAND	WHITE	SOFT 16	648 174	40						
AND & SHALE	GRAY	HARD 17	740 182	22						
L. LIME	GRAY	SOFT 18	822 183	35						
HALE	GRAY	HARD 18	835 185	56						
& LIME	BROWN	SOFT 18	856 197	70						
Injun	GRAY	SOFT 19	970 208	80						
AND & SHALE	GRAY	HARD 20	080 264	40						
AND	GRAY	HARD 26	640 270	00						
AND & SHALE	GRAY	HARD 27	700 495	56						
<b>&amp;</b> ENSON	BROWN	SOFT 49	956 496	62						
AND & SHALE	GRAY	SOFT 49								
)			152	•						

	RZO					095 / 40	
FOR	H WW ZABoom	Dinger Dida state	200	- A- U-C-T	VIOCINIA	On Arran	1 05/23/90
-	MAY (	) ÔEPARTI	STAI MENT OF E	NERGY, DIV	ISION OF OI	L AND GAS	· US/23/92
	$\Omega_{t^{1/2}}$	nic)Serg	WELL WO	RK PERMIT	APPLICATION	L AND GAS Expus	2 05/23/96
138	Well Ope	rator:	Stonew	vall Gas Co	ompany 478	so (5)	607
191	Operator	's Well	Number:	Jacob #3	(672-S)	3) Ele	vation: <u>967'</u>
	Well typ			or Gas			
	(b) If Gas: Production $X$ / Underground Storage/ Shallow $X$ /						
5)	Proposed	Target 1	Formation	(s):	Benson 435		
6)				00'			
7)						, 185', 465'	
8)				pths:			
9)				ths:			
10)	Does lan	d contai	n coal se	ams tribut	ary to acti	ive mine? Ye	s/ NoX/
11)	Proposed	Well Wo	rk: Dr	ill and St	imulate New	Well	
12)	•		CASIN	G AND TUBI	NG PROGRAM	i .	
TYPE		S	PECIFICAT	IONS	FOOTAGE I	TERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Cond	actor /	11 3/4"	Orace	27#	165 '	165' 65	CSR 38 18-11
	n Water		7			385818-113	O.K
Coal						3805R/41.2	mitell
-	cmediate	8 5/8"	7	20#	1070'	1070,45/	CSR 38 18-11.2.2
Produ	uction	4 1/2"	J_55	10.5#	5050'	5050'	CSR 38 18-11.
1		1	j	1		1	1

PACKERS : Kind	
Sizes_	
Depths	set

	e 1 of	Date: MAY 4, 1994
	m wwz-A 2)	Operator's well number
(10	-91) 📜	JACOB #3 (672-S)
		API Well No: 47 - 095 - 1620
	and the second s	State - County - Permit
	STATE OF W	EST VIRGINIA
	DIVISION OF ENVIRONMENTAL PRO	TECTION, OFFICE OF OIL AND GAS
	NOTICE AND APPLICATION	FOR A WELL WORK PERMIT
4)	Surface Owner(s) to be served:	5) (=) G-3 -
	(a) Name JACOB A. CUMBERLEDGE	
	Address HCR 74 BOX 106	Name N/A Address
	ALMA, WV 26320	- Made Coo
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name SAME AS SURFACE
		Address
	(c) NameAddress	
	Address	NameAddress
		Address
6)	Inspector MIKE UNDERWOOD	(c) Coal Lessee with Declaration
	Address <u>RT 2 BOX 135</u>	Name N/A
	SALEM, WV 26426	Address
	Telephone (304)- 782-1043	
	TO THE DEDCOM(C) NAMED	ABOVE TAKE NOTICE THAT:
	10 IIIL PERSON(S) NAMED	ABOVE TAKE NOTICE THAT:
	_ Included is the lease or leases	or other continuing contract or
cont	tracts by which I hold the right t	o extract oil and gas OP
X S = X	Included is the information requ	ired by Chapter 22B, Article 1,
Seci	cion 8(d) of the Code of West Virg	rinia (see page 2)
T ha	r certify that as required under	Chapter 22B of the West Virginia Code
acco	Ompanying documents pages 1 through	nd application, a location plat, and h on the above named parties, by:
	Personal Service (Affidavit	attached)
	X Certified Mail (Postmarked	postal receipt attached)
	Publication (Notice of Publ	ication attached)
	T have 2	
to +	I have read and understand Chapt	er 22B and 38 CSR 11-18, and I agree
20 (	T certify under penalty of last t	rmit issued under this application.
fami	iliar with the information submitt	hat I have personally examined and am ed on this application form and all
atta	ichments, and that based on my inq	uiry of those individuals immediately
resp	considie for obtaining the informa	tion, I believe that the information
1s t	rue, accurate, and complete.	
info	I am aware that there are signif	icant penalties for submitting false
**************************************	ormation, including the possibilit	y of fine and imprisonment.
· ATTI	OFFICIAL SEAL NOTARY PUBLIC WELL OPERATOR STATE of WEST VIRGINIA BY:	STONEWALL GAS COMPANY B.A. HARDESTY
	DOROTHY QUEEN Its:	PRESIDENT
	POST OFFICE DRAWER R Address	PO DRAWER R
3	My Commission Expires Mar. 14, 2000	JANE LEW, WV 26378
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Telephone	Amy don of

Notary Public

MARCH 14, 2000