



MAR 0 3 1995

Permitting Office of Oil & Gas

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: BARTRAM, GOLDIE, JR. ET AL

Operator Well No.: G.W. WORKMAN #10

Location:

Elevation: 1,003.08

Ouadrangle: WAYNE

District: BUTLER

County: WAYNE

Latitude: 7500 Feet South of 38 Deg. 12 Min. 30 Sec. Longitude: 8800 Feet West of 82 Deg. 27 Min. 30 Sec.

Company: CABOT OIL & GAS CORPORATION

400 FAIRWAY DRIVE, SUITE 400

CORAOPOLIS, PA 15108

Agent: DAVID G. MCCLUSKEY

Inspector: OFIE HELMICK Well Work Commenced: 10/23/93 Well Work Completed: 11/01/93 Verbal Plugging Permission granted on: ______Rotary __X _ Cable _____ Rig __ Total Depth (feet) ____ 4243' Fresh water depths (ft) __ Salt water depths (ft) 1070, 1260 Is coal being mined in area (Y/N)? N Coal Depths (ft): <u>n/a</u>

			and the second	
Casing &	Used in	Left	Cement Fill Up	
	Drilling	in Well	Cu. Ft.	
16"	43′	43′	N/A	
9-5/8"	832′	832′	295 sks Class A	
7"	2383′	2383′	100 sks 50/50 Poz	
4-1/2"	4073′	1649′	76 sks Class A 85 sks	
PLUGGED	& ABANDONI	E D	Latex	

OPEN FLOW DATA

Produc:	ing formation	BIG SIX	Pay zone depth (ft)	3980-3994
Gas:	Initial open flow _	<u>odor</u> MCF/d	Oil: Initial open flo	ow <u>n/a</u> Bbl/d
	Final open flow	0 MCF/d	Final open flow	<u>n/a</u> Bb1/d
	Time of open flow b	etween initial an	d final tests	<u>4</u> Hours
Static	rock Pressure50	psig (su	rface pressure) after	<u>18</u> Hours
Second	Producing formation		Pay zone depth (ft)	
Gas:	Initial open flow _	MCF/d	Oil: Initial open fl	
	Final open flow	MCF/d	Final open flow	Bb1/d
	Time of open flow b	etween initial an	d final tests	Hours
Static			rface pressure) after	

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: CABOT OIL & GAS CORPORATION 3/2/95 Date:

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

Big Six perfs from 3,980' to 3,994'. Brk dwn stg 1 w/ 500 gals of 15% hcl., displ w/ 42,000 SCF $\rm N_2$; Brk dwn press 3,460/4,070 psi.; Surface ISIP 3,500 psi. Pump 5 bbl cem't plug from 2.424' to 2,324'. Pull 54 jts of 4-1/2" csg and spot cem't plug from 100' to surface.

FORMATION	ТОР	BOTTOM
SAND/SHALE SALT SAND SHALE LITTLE LIME BIG LIME MACCRADY BIG INJUN SHALE SUNBURY SHALE BEREA SHALE CORNIFEROUS LIME BIG SIX KEEFER ROCHESTER SHALE	0 1080 1390 1405 1440 1600 1700 1740 2180 2220 2350 3290 3960 4000 4040	1080 1390 1405 1440 1600 1700 1740 2180 2220 2350 3290 3960 4000 4040 4242
TD		4242

FORM WW-2B

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL WELL WORK PERMIT APPLICATION

1) Well	Operator:	C	abot Oil & G	as Corporatio	n 8145	<u>()</u> 65°
2) Opera	tor's Well	Number: G	.W. Workman	#10	3) E	levation: 1003.0
4) Well	type: (a)	0i1_/	or Gas	X/		
	(b)	If Gas:		$\frac{X}{X}$ Undergr	ound Stora Shall	
5) Propo	sed Target	Formation	(s):B	ig Six		RECEIVED
6) Propo) Proposed Total Depth: 4200 feet WV Division of Environmental Protection					
7) Appro	ximate fres	h water s	trata dept	hs: 420, 500	, 730	AUG 1 6 93
8) Appro	ximate salt	water de	pths: 1	050		Permitting Office of Oil & See
9) Appro	ximate coal	seam dep	ths:5	10, 622	•	
10) Does	land contai	n coal se	ams tribut	ary to acti	ve mine?	Yes/ No_X_/
11) Propo	sed Well Wo	rk: D	rill and com	plete a gas w	ell	
12) Based	on Wayne 101	5, 1016, 10 <u>CASIN</u>	019, 1202 G AND TUBI	NG PROGRAM		
TYPE	S	PECIFICAT	IONS	FOOTAGE IN	ITERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	16"	L.S.	65	30	30	10 sks GFS
Fresh Wate	er				\	38CSR18 11.3 38CSR18 11.2. 260 sks
Coal	9-5/8"	L.S.	32,2	800	800	CTS
Intermedi	ate 7"	L.S.	20	1800	1800	CTS 280 sks
Production	4-1/2"	J-55	10.5	4150	4150	180 sks (1.7 yld)
Tubing				The state of the s		J8C5A18-11X
Liners						
PACKERS :	Kind			,		
	Sizes					
			on of Oil a	and Gas Use	Only	
D Fee (s) paid: _					nd WPCP
	WW-9		_		۰ ا	Agent
1 1 = 10 C	1 40 40 7	1 1 44 64	/		(Type)	

	AUG 7 6 93	API Well No: 47 - 099 - 1875 State - County - Permit			
	Permitting	T VIDCINIA			
	DIVISION OF ENVIRONMENTAL PROTE	ECTION, OFFICE OF OIL AND GAS			
		IOD A VIDET VODE DEDUTE			
	NOTICE AND APPLICATION F	OR A WELL WORK PERMIT			
4)	Surface Owner(s) to be served:				
	(a) Name Golden Bartram Jr. & Henry	Name Not Operated			
	Address Maynard	Address			
	Rt. 1, Box 337, Genoa, WV 25517 (b) Name	(b) Coal Owner(s) with Declaration			
	Address	Name Golden Bartram Jr. & Henry Maynard			
		Address Rt. 1, Box 337, Genoa, WV 25517			
	(c) Name	Name			
	Address	Address			
<i>C</i> }	The second of the Health of				
6)	Inspector Ofie Helmick Address P.O. Box 218	(c) Coal Lessee with Declaration			
	Fanrock, WV 24834				
	Telephone (304) - 732-9135				
	TWO THE DEDCOM(C) NAMED A	DOVE MARE MONTCE MUANT.			
	TO THE PERSON(S) NAMED A	BOVE TAKE NOTICE THAT:			
***************************************	Included is the lease or leases or				
	eacts by which I hold the right to				
X Secti	Included is the information require on 8(d) of the Code of West Virgin				
26661		Chapter 22B of the West Virginia Code			
I hav		application, a location plat, and			
accompanying documents pages 1 through on the above named parties, by:					
	Personal Service (Affidavit attached)				
	Certified Mail (Postmarked po Publication (Notice of Public				
	rabitoacton (notice of rabito				
		22B and 38 CSR 11-18, and I agree			
to th	te terms and conditions of any perm				
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all					
attachments, and that based on my inquiry of those individuals immediately					
responsible for obtaining the information, I believe that the information					
is true, accurate, and complete.					
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.					
Well Operator Cabot Oil & Gas Corporation					
By: Honald Royles.					
Its: Manager of Drilling					
		ee Gateway Center, Suite 2000			
		sburgh, PA 15222			
Subsc	ribed and sworn before me this $\frac{19}{19}$				
	Anthin &	M. Bowles Notary Public			
My commission expires 4-17-98					
-	-	Notarial Seal			
		Cynthla M. Bowles, Notary Public Chartiers Twp., Washington County My Commission Express It no 17, 1996			

Date:____7/09/93

Operator's well number

G.W. Workman #10

Member, Pennsylvania Association of Notaries

1)
2)

WV Division of

Environmental Protection

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Form WW2-A (10-91)