

VV Civision of **Environmental Protection**

State of West Virginia

Division of Environmental Protection Section of Oil and Gas

Permitting

Well Operator's Report of Well Work

Office of Oil & Gas

DEC 05 1996

Farm name: LONG, ORVAL

Operator Well No.: Long #6

LOCATION:

Elevation: 1,310.00 Quadrangle: BERLIN

District: HACKERS CREEK

County: LEWIS

Latitude: 4800 Feet South of 39 Deg. 5 Min. 30 Sec. Longitude 13300 Feet West of 80 Deg. 17 Min. 30 Sec.

Company: BOGGS NATURAL GAS CO.

P. O. BOX 148

SPENCER, WV 25276-0000

Agent: HARRY C. BOGGS

Inspector: TIM BENNETT

10/25/95 Permit Issued: Well work Commenced: 5/15/96 Well work Completed: 6/3/96

Verbal Plugging

Permission granted on:

Rotary XX Cable Total Depth (feet) 4576

Fresh water depths (ft) 40, 180

Salt water depths (ft) 2000

Is coal being mined in area (Y/N)? Coal Depths (ft):

-	Casing	Used in	Left	Cement Fill Up	
į	Tubing	Drilling	in Well	Cu. Ft.	
ļ	Size			 	
	9 5/8	40	 ₄₀	surface	
	7"	1320	 <u> 1320 </u>	 surface	
	4 1/2"	4570	4570	 2700'1i	nea
		·	<u> </u> 	1	

OPEN FLOW DATA

Producing formation Benson	Pay zone depth (ft) 444	10-4520
Gas: Initial open flow 20 MCF/d Oil:	Initial open flow 0	Bbl/d
		Bbl/d
Time of open flow between initial		Hours
Static rock Pressure 1200 psig (surf	ace pressure) after <u>48</u>	Hours
Second producing formation	Pay zone depth (ft)	
Gas: Initial open flow MCF/d Oil:	Initial open flow	Bbl/d
Final open flow MCF/d		Bbl/d
Time of open flow between initial	and final tests	Hours
Static rock Pressure psig (surf	ace pressure) after	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: BOGGS NATURAL GAS CO.

2-stage frac 4300-4520 40 shots 60,000# sand

- H - 1870, 1890 HER 1986 1 - 118 1893 HER 1

sand	0	1300
shale	1300	1360
sand	1360	1400
shale	1400.730	1730
Big Lime	1730	' 1860 ·
Big Injun	1860	1870
shale	1870	2000
Gordan	2000	2040
shale	2040	2100
sand/shale	2100	2200
sand	2200	2230 water
shale	2230	2510
5th sand	2510	2530
shale	2530	2590
Bayard	2590	2620
shale	2620	4490
Benson	4490	4508
shale	4508	4576 TD

041-4273

21225

FORI	OCT 24	1995	STAT	E OF WEST	VIRGINIA	Pa	ageof
		DEPART	MENT OF E	NERGY, DIV	ISION OF O		
	Permitti Office of Oil	_			APPLICATIO		
)	Well Ope:	rator:	Boggs Na	tural Gas Co	6455	(t) 242	
)				Long # 6		3) E:	levation: 1310
)	Well typ	e: (a)	Oil_/	or Gas	<u>x</u> /	Issued 10/2 Expues 10/2	126 195
		(b)	If Gas:	Production Deep	u <mark>x</mark> / Underg	round acora	ge/
)	Proposed	Target	Formation	(s):Be	nson 435		
6)	Proposed	Total D	epth:	4750'	feet		
7)	Approxim	ate fres	h water s	trata dept	hs: 100',	600' .	***************************************
8)	Approxim	ate salt	: water de	pths:	1000'		
9)	Approximate coal seam depths: 50'						
10)) Does land contain coal seams tributary to active mine? Yes/ No_x/						
11)							
12)	us	ing Air a	nd Soap dril			A who	<i>II</i>
		••	CASIN	G AND TUBI	NG PROGRAM	Manuel	
TYPE			PECIFICAT	IONS	FOOTAGE I	NTERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up
Cond	uctor	11 3/-			40'		BOSPIAUL 3
Fres	h Water	7''			1300'	1300'	surface
Coal							3805R18112
Inte	rmediate						
Prod	uction	4 1/2"			4800 '	4800'	2600' linear
Tubi	ng					20	SPAH.
Line	rs)	71000
PACK	ERS : Kin						
		es ths set					
		1	roz Divica	n of Oil -	and Car Hea	0-1.4	<u>~</u> .

		RECEIVED			
Page	1 of	WV Division of Environmental Protection	1)		9-26-95
Form	WW2-A	OCT 24 4005	2)	Operator Long #6	's well number
(09/8		OCT 24 1995	2.1		No: 47 - <u>041 - 4273</u>
File	Copy	Permitting	3)	API Well	State - County - Permit
		Office of Oil & Gas			beace county rermine
	•		TATE OF WEST	VIRGINIA	
		DEPARTMENT C	F ENERGY, DI	VISION OF	OIL AND GAS
		NOTICE AND A	APPLICATION F	OR A WELL	WORK PERMIT
4)	Curface (wner(s) to be	served:	5) (a) C	oal Operator:
4)					one
	Address	Rt 3 Bocx 170			
	Weston,	WV 26452			
	(b) Name			• •	Owner(s) with Declaration
	Address				
	(C) Name			Name	
	Address _			Address	
6)	Inspector	Tim Bennett		(c) Coal	Lessee with Declaration
	Address	737 Karl St WV 26452			
	Weston,	WV 26452	6165	Address	
	Telephon	269	-0107		
Sect I ha	ion 8(d) I certifave served companying Per Cer	of the Code o y that as req copies of th documents pag sonal Service	<pre>f West Virgi uired under is notice an es 1 through (Affidavit Postmarked p</pre>	nia (see p Chapter 22 d applicat on th attached) ostal rece	2B of the <u>West Virginia Cod</u> tion, a location plat, and ne above named parties, by: eipt attached)
fam atta resp is	the terms I certif iliar with achments, ponsible f true, accu	and condition y under penal the informat and that base or obtaining rate, and come that there	s of any per ty of law the ion submitted of on my inque the informate aplete.	mit issued at I have d on this iry of the ion, I be cant pena	38 CSR 11-18, and I agreed under this application. personally examined and amapplication form and allose individuals immediately lieve that the information alse
inf	ormation,	including the	possibility	of fine a	and imprisonment.
			Well Operator		Vatural Gas Co
		<u> </u>	By: <u>Jeffery (</u> Its: Engineer	J. BU(J.S	1 office of the state of the st
			Address P.	.O. Boz 148	
		•	Spencer, W	V 252 76	
			Celephone	304-9	327-1236
Sub	scribed an	d sworn befor	ge me this 20	day of	September , 1995
	B.	1/4/			OFFICIAL SEA
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мY	commission	expires	XUPECA, 24	va I	ZERELDA D. PRICE