

State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name:

Key, Mary

Location:

Elevation: 986'

District: McElroy

Latitude:

7620 Feet South of

Longitude:

5850 Feet West of

Operators Well No.: #2

Quadrangle: Shirley

County: Tyler 39 Deg. 25min. 0sec.

80 Deg. 47 min. 30sec.



Company: Drilling Appalachian Corp

P. O. Box 99 Alma, WV 26320

Agent:

Kenneth Mason

Inspector: Mike Underwood Permit Issued: 10//10/96

Well Work Commenced: 10/30/96 Well Work Completed: 11/03/96

Total Depth (feet) 2230'
Fresh Water Fresh Water Depths (ft) 95'

Salt Water Depths (ft) NA

Is coal being mined in area (Y/N) N

Coal Depths (ft): none

casing tubing	used in drilling	left in well	cement fill up sks
9 5/8	150	121	50
6 5/8	1856	1824	300
4 1/2	2230	2156	80

OPEN FLOW DATA

Producing formation Big Injun Gas: Initial open flow 94 MCF/D Oil: Final open flow 185 MCF/D Static Rock Pressure 135 psig	Pay zone depth (ft) 1966-2042 Initial open flow0 BBL/D Final open Flowshow BBL/D g (surface pressure) after24 Hours
Second producing formation* Gas: Initial open flow* MCF/D Oil: Final open flow* MCF/D static rock pressure*	Pay zone depth (ft) *** Initial open flow * BBL/D Final open flow * BBL/D psig (surface pressure) after * Hours

For: Drilling Appalachian Corp.

By:

Zenneth R. T. Mason DEC 8 # 1996

Date: 11-18-96

Stage	Formation	Perfs	Sand	N2
9 13	≱- √ ²³	Marine Comment	. *	
11-12-96	Keys #2	1966-2042		
1	Big Injun	16	200 sks	285,000scf
ISIP = 1915	#			

Drillers Log

Electric Log Tops

Formation	Тор	Bottor	n Formation	Depth top
Fill Sh Sd/Sh	0 5 15	5 15 151	Big Lime Keener Big Injun	1886 1942 1958
Sd Sd/Sh	151 370	3 <u>7</u> 0 495		1930
RR Sd/Sh Sd/Sh	495 952 988	952 988 1635		
Sd Sh	1635 1730	1730 1844		
Lime Sh Lime	1844 1855 1875	1855 1875 1945	gas ck @ 1885 = no show	
Sd Sd/sh TD	1945 2042 2230	2042 2230	gas ck @ 1947 = no show gas ck @ 2041 =20/10 in 2" with H2 gas ck @ TD = 5/10 in 2" with H20	

Page__of__

Page____c STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

1)	Well Op	erator:	DRILLING	APPALACHIAN	CORPORATION	14425 6	0 607
21		r's Well 1					Elevation: 986
22772	Well ty	pe: (a) (Dil_x/	or Ga	s ×/	essued 10/	
227						(o) Expues (o) ground Stor	28/98
				Dee	p_/	Shal	.low_/
	Propose	d Target B	Formation	(s): <u> </u>	ig Injun 37		
	Propose	d Total De	epth: 2	300'	feet	€ ₂₀	A SCA
7)	Approxi	mate fresh	n water st	trata dep	ths:	OC,	Tonnen Sign VE
8)	Approxi	mate salt	water de	oths:		Os. P.	28 togo
9)	Approxi	mate coal	seam dept	ths:		Office of Offi	1/20
10)	Does la	nd contair	n coal sea	ems tribut	cary to act	"d tive mine?	Ges_/ No_x_/
11)	Proposed	i Well Wor	k: Dril	1, perforat	e , stimulate	new formation	on —
12)							
			CASING	AND TUB	NG PROGRAM	n New	Well
TYPE		SI	ECIFICAT	CONS	FOOTAGE 1	INTERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu	ıctor	Si ze 9-5/8"					Fill-up (cu. ft.)
a	ictor n Water				drilling	well	(cu. ft.) 55 sacks-class A
a					drilling	well	(cu. ft.)
Fresh					drilling	well	(cu. ft.) 55 sacks-class A
Fresh Coal Inter	water	9-5/8*		per ft.	drilling	well	(cu. ft.) 55 sacks-otass A 0.K. MA
Fresh Coal Inter	mediate	9-5/8" 7 "	J-55	per ft.	drilling 120'	1890'	(cu. ft.) 55 sacks-otass A 0.1. My 38CS18-11.22 //- 2.2
Fresh Coal Inter	mediate	9-5/8" 7 "	J-55	per ft.	drilling 120'	1890'	(cu. ft.) 55 sacks-otass A 0.k. My 38CS18-11.22 //. 2.2 38CS18-11.22
Fresh Coal Inter Produ	mediate action ag as	9-5/8" 7" 4-1/2"	J-55	per ft.	drilling 120'	1890'	(cu. ft.) 55 sacks-otass A 0.k. My 38CS18-11.22 //. 2.2 38CS18-11.22
Fresh Coal Inter Produ Tubin	mediate action ag as	9-5/8" 7" 4-1/2"	J-55	per ft.	drilling 120'	1890'	(cu. ft.) 55 sacks-otass A 0.k. My 38CS18-11.22 //. 2.2 38CS18-11.22
Fresh Coal Inter Produ Tubin	mediate action ag as	9-5/8" 7" 4-1/2" ad_ es_ oths set_	J-55 J-55	17# 10.5#	drilling 120' 1890' 2200'	well 120' 2200'	(cu. ft.) 55 sacks-otass A 0.k. My 38CS18-11.22 //. 2.2 38CS18-11.22
Fresh Coal Inter Produ Tubin	mediate action ag as	9-5/8" 7" 4-1/2" ad ses_ oths set	J-55 J-55 or Office	17# 10.5#	drilling 120' 1890' 2200'	well 120' 2200' Only	(cu. ft.) 55 sacks-otass A 0.k. My () 38CS18-11.22 //- 2.2 38CS18-11.22 //- 3
Fresh Coal Inter Produ Tubin	mediate action ag ERS: Kir Siz Der	9-5/8" 7" 4-1/2" ad_ es_ oths set_	J-55 J-55 or Office Well Wo	of Oil and ork Permit	drilling 120' 1890' 2200' Rec	well 120' 2200'	(cu. ft.) 55 sacks-class A 0. k. Mill 38CS18-11.22 11.22 11.3 wpcp
Fresh Coal Inter Produ Tubin	mediate action ag as	9-5/8" 7" 4-1/2" ad ses_ oths set	J-55 J-55 or Office	of Oil and ork Permit	drilling 120' 1890' 2200'	well 120' 2200' Only	(cu. ft.) 55 sacks-otass A 0.k. My () 38CS18-11.22 //- 2.2 38CS18-11.22 //- 3

		Der 28 100-		
Page	1 of	Office Confitting 1996	1)	Date:October 24, 1996
Form	WW2-A	To a polen	2)	
(09/8	37)	<8 - Clion		Kave 12
ile	Copy	Office of Oil of	3)	API Well No: 47 - 095 - 1668
		Wes of Children		State - County - Permit
		· Oile		
		GTATE OF	WEST	VIRGINIA
		DEPARTMENT OF ENERG	Y, DI	VISION OF OIL AND GAS
		Office Of Oil & Cartate of DEPARTMENT OF ENERG		
		NOTICE AND APPLICAT	ION F	FOR A WELL WORK PERMIT
4)		wner(s) to be served		5) (a) Coal Operator:
		Mary Keys		Name
		HC 74. Box 12		Address
		Wilbur, WV 26320		(h) (2-1 0(-)
				(b) Coal Owner(s) with Declaration
	Address _			Name
	(c) Name			Address
	Address			Name
	Address _			Name Address
	· · · · · · · · · · · · · · · · · · ·			
6)	Inspector	Mike Underwood		(c) Coal Lessee with Declaration
- ,	Address	Rte 2, Box 135		Name
		Salem, WV 26426		Address
	Telephone	(304)- <u>782-1043</u>		
	-			
		TO THE PERSON(S) NAM	ED A	BOVE TAKE NOTICE THAT:
	Included	is the lease or leas	es or	r other continuing contract or
cont	racts by w	hich I hold the righ	t to	extract oil and gas <u>OR</u>
X	Included	is the information r	equir	red by Chapter 22B, Article 1,
Sect	ion 8(d) o	f the Code of West V	'irgir	nia (see page 2)
	I certify	that as required un	der (Chapter 22B of the West Virginia Code
I ha	ve served	copies of this notic	e and	d application, a location plat, and
acco	mpanying d	ocuments pages 1 thr	ough	on the above named parties, by:
		onal Service (Affida		
	Cert	ified Mail (Postmark	ed po	ostal receipt attached)
	Publ	ication (Notice of P	ublic	cation attached)
	7 harren			000 1 20 660 11 10 1 7
				r 22B and 38 CSR 11-18, and I agree
to t	ne terms a	nd conditions of any	peri	mit issued under this application.
fani	l certify	the information cube	iw the	at I have personally examined and am d on this application form and all
				iry of those individuals immediately
				ion, I believe that the information
is t	rue, accur	ate, and complete.	, <u>, , , , , , , , , , , , , , , , , , </u>	ion, i believe ende ene intolmacion
			nific	cant penalties for submitting false
info	rmation, i	ncluding the possibi	lity	of fine and imprisonment.
NES				DRILLING APPALACHIAN CORPORATION
**************************************	Notary Public, St	ste of West Virginia By:	_ /	mith Marin
A STATE OF	た BETTY F	LETCHER Its:		PRESIDENT
1		Box 11 Address		PO BOX 99
		V 263 20		ALMA WV 26320
Hami		res February 13, 2001 Telephone		304-758-4638
ubs	cribed and	Sworn before me thi	s <u>2</u>	4thday of October , 1996
		//	-1	

My commission expires

_Notary Public