



State of West Virginia SEP 1 1997 Division of Environmental Protection Section of Oil and Gas

Permitting

Office of Cil & Gas Well Operator's Report of Well Work

Farm Name: Location:

Chase, John Sr. et ux

Elevation: 1437' District: Center

Latitude: Longitude:

1420 Feet South of

5960 Feet West of

Operators Well No.: Liberty #2

Quadrangle: Big Run

County: Wetzel

> 39 Deg. 37min. 30sec. 80 Deg. 32 min. 30sec.

Company: Drilling Appalachian Corp

P. O. Box 99

Alma, WV 26320

Agent:

Kenneth Mason

Inspector: Mike Underwood

Permit Issued: 05/22/97

Well Work Commenced: 06/18/97 Well Work Completed: 06/25/97

Rotary _X_Cable_

Total Depth (feet) 3600' Fresh Water Depths (ft) 50' Salt Water Depths (ft) 2085

Is coal being mined in area (Y/N) N Coal Depths (ft): 1062-1071

7.			
casing tubing	used in drilling	left in well	cement fill up sks
11 3/4	165	131	70
8 5/8	1710	1675	425
4 1/2	3600	3519	230

OPEN FLOW DATA

Pay zone depth (ft) 3292-3445
Initial open flow0 BBL/D
Final open Flow <u>show</u> BBL/D
g (surface pressure) after 48 Hours
Pay zone depth (ft) 2428-2506
Pay zone depth (ft) 2428-2506 il: Initial open flow 0 BBL/D

For: Drilling Appalachian Corp.

By:

Date: 07-10-97

CCT 1 = 1997

OCT 1 1 199?

^{*} commingled with Bayard, 5th sd.

Stage	Formation	Perfs	Sand	N2
06-30-97	Liberty # 2			
1	Bayard 5th, 4th	3279-3431 16	250 sks	290,000 scf
2	Big Injun	2406-95 16	240 sks	288,000 scf with the
ISIP = 2993; 5 min = 2292		• •		eg. Y

Drillers Log

Electric Log Tops

Formation	Top	Botton	1	Formation	Depth top
fill Sd Sd/Sh Sh Sd Sd/Sh Sd Sd/Sh Coal Sd/Sh Sd Sd/Sh Lime Sd/S Lime Sd	0 5 30 218 228 260 760 865 1062 1071 1890 2000 2275 2292 2330 2430	5 30 218 228 260 760 865 1062 1071 1890 2000 2275 2292 2330 2430 2478	hole damp @ 50 1 1/2" strm water a gas ck @ 2510 =		2357 2422 2754 3194 3440
Sd/Sh Sd Sh	2478 3222 3235		gas ck @ 3259 =	2/10 in 2" w/w	
Sd/Sh	3325		gas ck @ 3354 =	2/10 in 2" w/w	

07 1 = 1997

23812

103.1737

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STATE OF WEST VIRGINIA		
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF	OIL AND GAS	
WELL WORK PERMIT APPLICATION	Issued	06/13/97

	Operator's Well Number: <u>LIBERTY #2</u> 3 Well type: (a) Oil X / or Gas X /						1437		
	Well type:	• • •			X/	,			
		(b) If G	ias: Produ	ction_X_/ Deep/	Underground Ste 432 Sha	orage/ llow/			
	Proposed Target Formation(s): Gordon, Speechley								
	Proposed Total Depth: feet								
	Approxim	ate fresh wa	ater strata o	lepths:					
	Approxim	ate salt wat	er depths:_						
			-						
))				•		/ No	X/		
l)	Proposed	Well Work	: Drill,	perforate, stimu	late new formation	1			
			CA	SING AND TU	BING PROGRA	M			
YPE		SPE		IONS		INTERVALS	CEMENT		
		I		1		1			
		Size	Grade	Weight per Foot	For drilling	Left in Well	Fill-up (Cu. ft.)		
Co	nductor	11-3/4"	H-44		120'	120'	55 scks class A		
Fre	esh Water					I = I	38CS/A/		
Co	al						100-110-11		
Int	termediate	8-5/8"	J-55	23#	1600'	1600'	38CS18-11.2 2		
Pro	oduction	4-1/2"	J-55	10.5#	3600'	3600'	38CS18-1 1-22		
Tu	ıbing						·		
-	ners		1						
Li	iicis	<u> </u>	<u> </u>	<u> </u>	1		1		
<u>ACK</u>		Kind Sizes							
		Depths set_							
3			Fo	or Office of Oil	l and Gas Use O	nly			
Fee	e(s) paid:		Well Wor	k Permit	□ Reclamat	tion Fund	□ WPCP		
Pla	t				Bond	me)	□ Agent		
	(OFFICE /	OF OIL.	OGAS.	(Ty	pe)			

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1) Date: June (<u>9, 1997</u>			
2) Operator's We				
LIBE	RTY #2			
3) API Well No:	47 -	103		1737
,		- Cour	ty - Pe	rmit

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

	NOTICE AND APPLICATION	ON FUR A WELL WURK PERMIT	
4)	Surface Owner(s) to be served:	5) (a) Coal Operator:	
7)	(a) Name John T. Chase Sr. & Marsha Cha	se Name	
	Address HC 62, Box 131	Address	
	Burton, WV 26562	1 1441 055	
			ion
	(b) Name	Address	ION
	Address		
	(a) Nama		
	(c) NameAddress		·
	Address	7 Kdd 033	-
		() G 17 (1) B 1 (1)	
(6)	Inspector_Randal Mick	(c) Coal Lessee with Declaration	
	Address 111 Blackshere Drive	Name	
	Inspector Randal Mick Address 111 Blackshere Drive Mannington, WV 26582	Address	
	Telephone (304) - 986-3324		
	TO THE PERSON(S) NAMI	ED ABOVE TAKE NOTICE THAT:	
Virgi:	Included is the information required by Chania (see page 2) I certify that as required under Chapter 22E and application, a location plat, and accompand parties, by: Personal Service (Affidavit attached Certified mail (Postmarked postal republication (Notice of Publication a	3 of the West Virginia Code I have served nying documents pages 1 through	copies of this
any p	I have read and understand Chapter 22B at permit issued under this application.		
	I certify under penalty of law that I have pe	ersonally examined and am lamiliar with the information. I believe	that the
subm	nitted on this application form and all responsib	de for obtaining the miormation, i believe	ulat ule
mor	mation is true, accurate, and complete. I am aware that there are significant penalt	ica for submitting folgo information, inclu	ding the possibility
ce	I am aware that there are significant penal	les for submitting faise information, meru	unig the possibility
OLIU	ne and imprisonment.	Well Orosetos DDILI DIC ADDAL ACUIA	NI CODDOD ATTONI
SOL A	OFFICIAL SEAL Noting Public, State of West Virginia	Well Operator DRILLING APPALACHIA By:	IN CORPORATION
15/3 JE	Notary Public, State of West Virginia	Its: PRESIDENT	100 m
阿蒙羅	BETTY FLETCHER	Address P.O. BOX 99	
10/1	P.O. Box 11	ALMA WV 26320	
11/20	Alma, WV 26320	Telephone 304-758-4638	
Cube	~ 4 11 14	of June	, 19 <u>97</u>
	B, the	Fletcher)	Notary Public
My	commission expires February 13, 2		
'AIÀ C	John Capitos	The Party of the P	