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WV Division of  
Environmental Protection

SEP 12 1997

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

Well Operator's Report of Well Work

Permitting  
Office of Oil & Gas

Farm Name: Chase, John Sr. et ux  
Location: Elevation: 1437'  
District: Center  
Latitude: 2820 Feet South of  
Longitude: 5510 Feet West of

Operators Well No.: Liberty #1  
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

casing tubing	used in drilling	left in well	cement fill up sks
11 3/4	155	122	70
8 5/8	1700	1620	410
4 1/2	2765	2647	170

Agent: Kenneth Mason

Inspector: Mike Underwood  
Permit Issued: 06/13/97  
Well Work Commenced: 06/26/97  
Well Work Completed: 07/11/97  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2765'  
Fresh Water Depths (ft) 190'  
Salt Water Depths (ft) 2080  
Is coal being mined in area (Y/N) N  
Coal Depths (ft): 1172-1177

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 2446-2516  
Gas: Initial open flow 933 MCF/D Oil: Initial open flow 0 BBL/D  
Final open flow \_\_\_\_\_ MCF/D Final open Flow show BBL/D  
Static Rock Pressure \_\_\_\_\_ psig (surface pressure) after 48 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \* MCF/D Oil: Initial open flow 0 BBL/D  
Final open flow \* MCF/D Final open flow 0 BBL/D  
static rock pressure \* psig (surface pressure) after \* Hours

For: Drilling Appalachian Corp.

By: [Signature]

Date: 07-15-97

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Stage	Formation	Perfs	Sand	N2
07-14-97	Liberty #1			
1	Big Injun	2446-2514 22 holes	300 sks	375,000 scf
ISIP =				
5 min =				

**Drillers Log**

**Electric Log Tops**

Formation	Top	Bottom	Formation	Depth top
fill	0	5	Big Lime	2367
Sh	5	50	Big Injun	2418
Sd/Sh	50	454		
Coal	454	457		
Sd/Sh	457	987		
Sd	987	1060		
Sd/Sh	1060	1172		
Coal	1172	1177		
Sd	1177	2045		
Sd/Sh	2045	2328		
Lime	2328	2339		
Sd/Sh	2339	2368		
Lime	2368	2445		
Sd	2445	2635		
Sh	2635	2765		
Td	2765			

1/2" strm water @ 150

1/2" strm water at 2080

gas ck @ 2454 = 34/10 in 2" w/w  
 gas ck @ 2548 = 36/10 in 2" w/w  
 gas ck @ Td. = 24/10 in 2" w/w

1 1997



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Form WW2-A  
(09/87)  
File Copy

WV DIVISION OF  
**Environmental Protection**

1) Date: June 9, 1997  
2) Operator's Well Number  
LIBERTY #1  
3) API Well No: 47 - 103 - 1736  
State - County - Permit

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

**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

- 4) Surface Owner(s) to be served:
- (a) Name John T. Chase Sr. & Marsha Chase  
Address HC 62, Box 131  
Burton, WV 26562
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (6) Inspector Randal Mick  
Address 111 Blackshere Drive  
Mannington, WV 26582  
Telephone (304) - 986-3324
- 5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

**TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:**

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas **OR**  
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

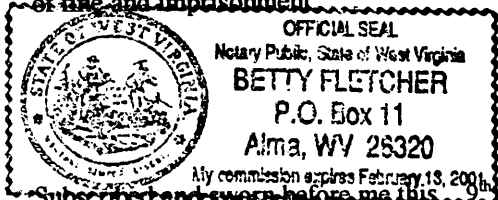
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)  
\_\_\_\_\_ Certified mail (Postmarked postal receipt attached)  
\_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all 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 DRILLING APPALACHIAN CORPORATION  
By: Kenneth R. Mason  
Its: PRESIDENT  
Address P.O. BOX 99  
ALMA WV 26320  
Telephone 304-758-4638

Subscribed and sworn before me this 9 day of June, 19 97

Betty Fletcher

Notary Public

My commission expires February 13, 2001