

REC
JAN 15 1997
Permitting
Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm Name: Long, Donna Jean

Location: Elevation: 1051'

District: Centerville

Latitude: 13053 Feet South of

Longitude: 4450 Feet West of

Operators Well No.: #1

Quadrangle: West Union

County: Tyler

39 Deg. 22min. 30sec.

80 Deg. 50 min. 0sec.

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	145	125	60
8 5/8	1325	1287	330
4 1/2	5115	5061	185

Agent: Kenneth Mason

Inspector: Mike Underwood

Permit Issued: 11/25/96

Well Work Commenced: 12/04/96

Well Work Completed: 12/11/96

Rotary Cable _____ Rig

Total Depth (feet) 5175'

Fresh Water Depths (ft) 553'

Salt Water Depths (ft) NA

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

Coal Depths (ft): none

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4942-4947

Gas: Initial open flow smell MCF/D Oil: Initial open flow 0 BBL/D

Final open flow 474 MCF/D Final open Flow show BBL/D

Static Rock Pressure 1150 psig (surface pressure) after 48 Hours

Second producing formation Riley Pay zone depth (ft) 4530-4560

Gas: Initial open flow smell 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

* commingled with Benson

For: Drilling Appalachian Corp.

By: Kenneth R. Mason

Date: 01-02-97

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Stage	Formation	Perfs	Sand	N2
12-27-96	Long #1			
1	Benson	4942-46 15	350 sks	63,000 scf
2	Riley	4530-4557 16	350 sks	73,000 scf

ISIP = 1626#
5 min = 1470#

Drillers Log

Formation	Top	Bottom	
fill	0	8	
Sh	8	83	
Sd	83	125	hole damp @ 94'
Sd/Sh	125	169	
Sd	169	228	
Sd/Sh	228	1494	
Sd	1494	1535	
Sd/Sh	1535	1880	
Lime	1880	1892	
Sh	1892	1919	
Lime	1919	1985	
Sd	1985	2095	
Sh	2095	2490	gas ck @ 2114 = odor
Sd	2490	2527	
Sd/Sh	2527	4420	gas ck @ 3959 = 2/10 in 2" w/w
Sd	4520	4560	
Sh	4560	4970	gas ck @ 4584 = 4/10 in 2" w/w
Sd	4970	4980	
Sd/Sh	4980	5115	gas ck @ 5022 = 2/10 in 2" w/w
td	5115		gas ck @ td = 2/10 in 2" w/w

Electric Log Tops

Formation	Depth top
Big Lime	1917
Big Injun	1964
Berea	2451
Gordon	2698
Benson	4948

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

- 1) Well Operator: ³¹¹ DRILLING APPALACHIAN CORPORATION 14428 (1) 671
- 2) Operator's Well Number: LONG 1 3) Elevation: 1051'
- 4) Well type: (a) Oil x/ or Gas x/ Issued 11/25/96
(b) If Gas: Production x/ Underground Storage / Expires 11/25/98
Deep / Shallow x/
- 5) Proposed Target Formation(s): Benson ⁴³⁵
- 6) Proposed Total Depth: 5500 feet
- 7) Approximate fresh water strata depths: 0 253'
- 8) Approximate salt water depths:
- 9) Approximate coal seam depths: 0 1ft of coal 674
- 10) Does land contain coal seams tributary to active mine? Yes / No x /
- 11) Proposed Well Work: Drill, perforate, stimulate new formation
- 12)

CASING AND TUBING PROGRAM

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"			120'	120'	55 sacks -class A
Fresh Water						<u>38CSR11.3</u>
Coal						<u>Ok Mike</u>
Intermediate	8-5/8"	J-55	20#	1251'	1251'	38csr18-11.22
Production	4-1/2"	J-55	10-1/2"	5200'	5200'	38csr18-11.1
Tubing						
Liners						

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PACKERS : Kind Sizes Depths set Permitting Office of Oil & Gas

For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond Blanket (Type) Agent

22452

47-095-01669

Page 1 of _____
Form WW2-A
(09/87)
File Copy

1) Date: November 21, 1996
2) Operator's well number Long #1
3) API Well No: 47 - 095 - _____
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 Leonard A. & Renie Smith
Address 3923 Brightway
Weirton WV 26062
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Rte 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

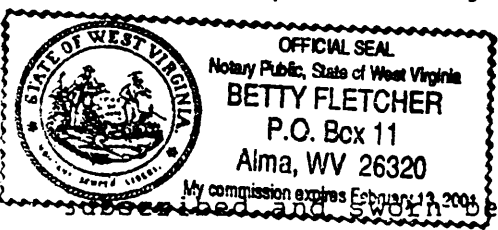
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WV Division of
Environmental Protection
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Permitting
Office of Oil & Gas

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
X 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 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 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 21st day of November, 1996

Betty Fletcher Notary Public
My commission expires February 13, 2001