

WR-35



DIVISION OF OIL & GAS DEPT. OF ENERGY



State of Mest Virginia

DEPARTMENT, OF ENERGY
Wil und Gas Bivision

Date	Augus	t 4,	1989		
Opera	tor's				
Well	No	3			
Farm Daugherty					
API N	b. 47	- 01	7 -	3709	

WELL OPERATOR'S REPORT

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injec (If "Gas," Production X / Under	tion grou	/ Was nd Stora	te Disposa ge/ Deep	l/ p/ Sha	illow/)
LOCATION: Elevation: 1007 Watershed	i	Dotson	Run		
District: Central County	D∞ddı	ridge	Quadrangle	e Penns	boro

ONDANI.					
COMPANY Appalachian Energy Dev., Inc.	- ,			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
ADDRESS Rt. 2, Box 499, Grafton, WV 26354	-	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT George R. Williams	-	Tubing	Drilling	in Well	
ADDRESS Rt. 2, Box 499, Grafton, WV 26354	-	Size			
SURFACE CWNER Westvaco Corp.	-	20-16 Cond.	you make the same of the same		
ADDRESS P.O. Box 577, Rupert, WV 25984		13-10"	132	132	Surface
MINERAL RIGHTS CWNER Phyllis McKown, et al	-	9 5/8			Journage
ADDRESS Pennsboro, WV	-	8 5/8	1525	1525	Surface
OIL AND GAS INSPECTOR FOR THIS WORK Mike		7			
Underwood ADDRESS Salem, WV	_	5 1/2			
PERMIT ISSUED 3/24/89	_	4 1/2	5195	5195	Top @ 250
DRILLING COMMERCED 6/21/89	-	3			
DRILLING COMPLETED 6/27/89		2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR		Liners			
PEWORKING. VERBAL PERMISSION OBTAINED ON		used			
GEOLOGICAL TARGET FORMATION Alexander/Benso	- on/Ri	ley/Warre	en/Balltowys	th	i feet
Depth of completed well 5227 fee					
Water strata depth: Fresh 96 fee					
Coal seam depths: N/A					area? No
NOTE: These zones are down					
OPEN FLOW DATA		_		See ne	rf
Producing formation Alexander/Benson/Ri			-		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Gas: Initial open flow 38 Mcf/					
Final open flow 810 Mcf,					
Time of open flow between i					
Static rock pressure 1680 psig(sur			ment) afte	r_48_hou	ırs shut ir
(If applicable due to multiple complete					
Second producing formation					
Gas: Initial open flow Mcf.	/d	Oil: In	itial open	flow	Bb1/c
Final open flow Mcf.					
Time of open flow between	initi	ial and f	inal tests	A	1 9 1 1989
Static rock pressurepsig(sur	face	measurai	ent) after	ho	ırs shut iı

- MILS OF PERFORMIED INTERVALS, FRACTURE OR STIMULATING, PHYSICAL CHANGE, ETC.

 (1) Alexander-perf 5097-314 w/18 holes: rec w/30,000# sand in 410 bbls. water, using Alexander-perf 5097-511 w/18 holes.

- 73,000 SCF N.

 Riley perf 4428-49 w/18 holes, Foam frac w/30,000# 20/40 sand in 610 bbls. 75 quality foam, using 515,000 SCF N.

 Balltown perf 3797-3808 w/16 holes. Frac w/20,000# sand in 270 bbls. water, using
- 41,000 SCF N₂.

 (5) Warren perf 3288-3329 w/16 holes. Frac N/30,000# sand in 410 bbls. water, using

WELL LOG

	The second of the second of the second of	males makesmenteles seems a source of reconstructions	V
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale	0	120	1" water @ 96'
Red Rock	120	160	
Sand and Shale	160	1860	Wet @ 1390'
Big Lime	.1860	1904	,
Big Injun	1904	1996	•
Sand and Shale	1996	2192	
Weir	2192	2312	
Sand and Shale	2312	3282	
Warren Shale	3282	3338	American construction of the second
Shale	3338	4424	
Riley	4424	4464	
Shale	4464	4810	
Benson	4810	4818	
Shale	4818	5092	
Alexander	5092	5126	
Shale	5126	5227	
Total Depth		5227	9
	٠		Gas check @ 5118' 8/10" water - 1".
Taran Salah Baran Ba		1	

(Attach separate sheets as necessary)

APPALACHIAN ENERGY DEVELOPMENT, INC.

Géorgé Date: 8/4/88

AUG 1 1 1989

Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including over!, encountered in the drilling of a well."

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

					ALL LUL CALLO	<u> </u>	- Andrews		
1)	Well Ope	erator: Ap	palachian	Energy Devel	opment 33	25, 1, 3	538		
2)	Operator	's Well	Number:_[Daugherty Wel	1 No.3	3)·E]	levation: 1007'		
4)	Well typ	oe: (a)	0il <u>-</u> /	or Gas	5 <u>X</u> /				
		(b)	If Gas:	Production Deep	n_X/ Underg: o/	round Storaç Shallo	ge/ ow_X_/		
5)	Proposed	l Target 1	Formation	n(s):Ale	exander				
6)	Proposed Total Depth: 5200 feet								
7)	Approximate fresh water strata depths: 105'								
.8)	Approximate salt water depths: N/A								
9)	Approximate coal seam depths: N/A								
10)									
11)		Well Wor				1.0			
12)					ate New	Well			
			CASIN	IG AND TUBI	NG PROGRAM				
TYPE		SE	ECIFICAT	IONS	FOOTAGE IN	TERVALS	CEMENT		
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)		
Condu	ictor	11 3/4"			30'	0'	0 Sks.		
Fresh	. Water	3 5/8"			1492'	1492'	CTS 38 CSR 13-11.3		
Coal									
Inter	mediate								
Produ	ction	4 ½",			5200'	52001	By Rule 38 CSR 13-11.1		
Tubin	ıq								
Liner	s					MIS	FEIWEIN		
PACKE	RS : Kin		+1				MAD 2 / 1000		
11 L	Siz Dep	es ths set _				(3,24, 1)	100 05 01 6 04 S		
1017		Po	J. Diviso	n of Oil a	nd Gas Use	05010	TMENT OF ENERGY		
1 tho	Fee(s) p	ang:	Weld W	ork Permiyt	MI Recl	amation Fun	d WPCP		
	Plat 🗲	WW-9 (WW-	2B P B	ond DD	lanket	Agent Agent		
//	· /	ni di		y	(Type	0		

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



1) Date: March 23, 19	1)	Da	te:	March	23,	198	39
-----------------------	---	---	----	-----	-------	-----	-----	----

2) Operator's well number Daugherty Well No. 3

API Well No: 47 - 017 -3709 State - County - Permit

DIVISION OF OIL & GAS

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

3)

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name Westvaco Corporation	NameN/A
	Address P.O. Box 577	Address
	Rupert, WV 25984	
,	(b) Name	(b) Coal Owner(s) with Declaration
	Address	NameN/A
	(- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Address
	(c) Name	
	Address	Name
		Address
6)	Inspector Mike Underwood	(c) Coal Lessee with Declaration
٠,	Address Rt. 2. Box 135	
	Salem, WV 26426	Name N/A
	Telephone (304) - 782 - 1043	Address
	707 = 1045	
	TO THE PERSON(S) NAMED A	פרווף האגה אוישוכה שהאשי
	10 IIID I DROOM O) HAIIDD AI	JOVE TAKE NOTICE THAT:
	Included is the lease or leases or	r other continuing contract or
contr	acts by which I hold the right to	extract oil and car OP
ν	Included is the information requir	red by Chapter 22D Article 1
Sect :	ion 8(d) of the Code of West Virgin	red by Chapter 22B, Article 1,
occ.	T certify that ac required under	The (see page 2)
T has	control control of this setiment	Chapter 22B of the West Virginia Code
1 110/	re served copies of this notice and	application, a location plat, and
accor	npanying documents pages I through	<pre>on the above named parties, by:</pre>
	X Personal Service (Affidavit	attached)
	Certified Mail (Postmarked po	ostal receipt attached)
	Publication (Notice of Public	cation attached)
		THE SIDE SIDE SIDE SIDE SIDE SIDE SIDE SID
	I have read and understand Chapter	r 22B and 38 CSR 11-18, and I agree
to th	ne terms and conditions of any perm	mit issued under this application.
	I certify under penalty of law that	at I have personally examined and am
fami]	liar with the information submitted	d on this application form and all
attac	chments, and that based on my inqui	iry of those individuals immediately
respo	onsible for obtaining the informat:	ion, I believe that the information
is tr	ue, accurate, and complete.	
	I am aware that there are signific	cant penalties for submitting false
infor	mation, including the possibilyty	of fine and imprisonment.
	Well Operator	Appalachian Energy Corporation
	By: Y / News	al Mullone
	Its: 4 Jane	efil.
	Address	Rt. 2, Box 499
		Grafton, WV 26354
	Telephone	265 - 4147
Subsq	ribed and sworn before me this 23r	
K		
M	regory Ch SMVTA	Notary Public
Му сс	ommission expires 12-7-92	
	:	
	,	