

ILLULIVED Division of Energy

AUG 1 3 94

Farm name: KOELLISCH, DELLA ROSE

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Permitting Qil and Gas Section 11 Operator's Report of Well Work

LOCATION: Elevation: 1320.00 Quadrangle: PENNSBORO

> CENTERVILLE District:

CENTERVILLE County: TYLER
6680 Feet South of 39 Deg. 20Min. 0 Sec.
4620 Feet West of 80 Deg. 52 Min. 30 Sec. Latitude: Longitude 4620

Company: APPALACHIAN ENERGY DEVELO ROUTE 2, BOX 499

GRAFTON, WV 26354-0499

GEORGE WILLIAMS Agent:

Inspector: GLEN P. ROBINSON 05/07/90 Permit Issued: Well work Commenced: 7/17/91 7/22/91 Well work Completed: Verbal Plugging Permission granted on: 5/7/90 Rotary x Cable Ri
Total Depth (feet) 5630'
Fresh water depths (ft) 230

Salt water depths (ft) N/A Is coal being mined in area (Y/N)? N Coal Depths (ft): N/A

_				
	Casing &	Used in	Left	Cement Fill Up
	Tubing	Drilling	in Well	
	Size	 	 	
	11 3/4	129.15'	129.15'	76.7
	8 5/8	1993'	1993'	Surface
1	4 1/2	5562'	5562'	330sx

Operator Well No.: KOELLISCH #2

OPEN FLOW DATA Note* These zones are downhole commingled.

Producing formation Alexander / Benson / Riley Pay zone depth (ft) 5432 Gas: Initial open flow 189 MCF / d Oil: Initial open flow Gas: Initial open flow 189 MCF/d Oil: Initial open flow 0 Final open flow 270 MCF/d Final open flow 0 Time of open flow between initial and final tests 0Bb1/d Bbl/d Hours Static rock Pressure 1720 psig (surface pressure) after 48 _Hours Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests Bbl/d _Bbl/d Hours Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: APPALACHIAN ENERGY DEVELOPMENT, INC.

By: George R. Williams, President

Date: <u>8/12/91</u>

AUS 1 6 1991

Treatment Summary

- 1.) Alexander -Perf 5432-42 W/18 holes. Frac w/5000# 80/100 & 25000# 20/40 sand in 350 bbls. gelled water. Used 45000 scf $\rm N_2$ as assist.
- 2.) Benson-Perf 5146-54 w/18 holes. Frac w/ 5000# 80/100 & 25000# 20/40 sand in 375 bbls. gelled water. Used 48000 scf $\rm N_2$ as assist.
- 3.) Riley-Perf 4755-86 w/14 holes. foam frac w/75 quality foam using 30000# 20/40 sand.

	•		
<u>Formation</u>	Top	Bottom	Comments
shale	. 0	49	
sand	49	228	1/4" water
sand & shale	228	2107	@ 228'
Big Lime	2107	2320	
shale	2320	2502	
Weir	2502	2616	
shale	2616	2924	
Gordon	2924	2936	
shale	2936	4740	
Riley	4740	4794	•
shale	4794	5147	
Benson	5147	5154	
shale	5154	5430	
Alexander	5430	5448	
shale	5448	5630	

Total Depth-5630

Gas Check	2600' 3113'	6/10" water - 2"OF 20/10" water - 2"OF
	3610 '	14/10" water - 2"OF
g en en en en en	4110'	8/10" water - 2"OF
	4600'	6/10" water - 2"OF
	4793 '	12/10" water - 2"OF
	5196 '	12/10" water - 2"OF
·	5478 '	10/10" water - 2"OF
-	T.D	10/10" water - 2"OF

10544

TORA WW-ZE					7095-1325 p	3-15-5
	•	ST	ATE OF WES	T VIRGINIA	, c / 5 = 5 = 6	RECEIVED
•	- DUL AL	WELL	WORK PERMI	<u>IVISION OF</u> <mark>F APPLICATI</mark>	OIL AND GAS	1
ı) Well o	perator:_	Appalachi	an Energy De	०३० च evelopment, I	 1c. フスフ <i>ケ (</i> 1) ケ	APR 27 1990
2) Operat	or's Well	Number:	Koellisch N	lo. 2		levation: 1320
			or Ga		.004	
					ground Storag	
	, ,		Dee	p/ Under	ground Stora Shallo	9 ~ /
				xander 439		
6) Propose	ed Total	Depth:	5200'	feet		
7) Approxi	mate fre	sh water	strata dep	ths: 185'	398', 5 0' = 18	39'
8) Approxi	mate sal	t water d	epths:	N/A = 80	0 41/2	29'
9) Approxi	mate coal	l seam de	pths:	N/A		
10) Does la	nd contai	in coal s	eams tribu	tary to act	ive mine? Y	es/ No_X_/
11) Propose	d Well Wo	1		,		
12)		U	rili a Stimu	late Wkwll	ILL	
•		CASII	NG AND TUB	ING PROGRAM		
TYPE	<u>s</u>	PECIFICAT	TIONS	FOOTAGE I	NTERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling;	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"			1201 301-	1201 -01 C	0 Sacks
Fresh Water	8 5/8"			1915'	CAS 1915'	CIS-or-38-C/5
Coal					PS	345818-11-3 A
Intermediate						365A16-11-2,2
Production	4 1/2			5200'	5200'	By rule 38 CSR 18-11.1
Tubing						351(10-11.1
Liners						
PACKERS : Kin	d					
Siz Dep	es ths set _					
12	FO	r Divisor	of Oil ar	nd Gas Use	0.1	
Fee(s) p	ajg:		ork Permit	4		
Plat 17	ZI WW-9	1 WW-2	/ 11	and Aunik	amation Fund	WPCP
,		•	<i>F</i> .	/()	Type	/

シスで、

Page	1	of		⊼ 8
Form	W	12-	A	
(09/8	7	,	- **	
File	Co	ру		

KEC	E. V		
APR	27	1990	
DEPT.	OF E	HERGY	/

1)	Date:	December	22	1000
,	2450			1985

2) Operator's well number Koellisch No. 2

API Well No: 47 -3) _095 State - County - Permit

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

	NOTICE AND APPLICATION F	OR A WELL WORK PERMIT
4)	and the control of th	· · · · · · · · · · · · · · · · · · ·
	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name <u>Della Rose Koellisch</u> Address <u>752 Commonwealth Ave, NE</u>	Name N/A
	Massoline OU 44646	Address
	Massoline, OH 44646	
	(b) Name	(b) Coal Owner(s) with Declaration
	Addiess	NameN/A
	(G) Name	Address
	(c) Name	
	Address	Name
		Address
6)	Inspector Class D. D. L.	
	Inspector Glen P. Robinson	(c) Coal Lessee with Declaration
	Address Rt. 1 #6 Mt. Pleasant Est.	NameN/A
	Mineralwells, WV 26150	Address
	Telephone (304)-489-2736	
	Mo mun non control	
	TO THE PERSON(S) NAMED ABO	OVE TAKE NOTICE THAT:
contr	Included is the lease or leases or	other continuing contract or
	i cercito char as regnitred nades ar	
1 nav	e served copies of this notice and panying documents pages 1 through a	application, a location plat and
-	Personal Service (Affidavit at	tached)
_		+-1
•	Publication (Notice of Publica	ition attached)
	I have read and understand Chapter	22B and 38 CSR 11-18 and T
to the	terms and conditions of any permit certify under penalty of law that	t issued under this and i agree
	certify under penalty of law that	I have personally examined and am
ramılı	iar with the information submitted nments, and that based on my inquir	on this application form and am
attacr	iments, and that based on my inquir	on this application form and all y of those individuals immediately
respor	isible for obtaining the informatio	y of those individuals immediately n, I believe that the information
is tru	ie, accurate, and complete.	, - bolieve that the information
1	am aware that there are cianisin-	nt penalties for submitting s
intorn	mation, including the possibility o	f fine and imprisonment
	Well Operator	Annalachian Enongy Dovalorment Inc
	By:	The dy bevelopment, Inc.
	Its: Dy	esident esident
	Address R+	2 Box 499
•	Gra	fton, WV 26354
	Telephone ocr	4147
ubscr	ibed and sworn before me this 22nd	
		day of <u>December</u> , 19 <u>89</u>
	Iregory U. Smith	Mata P
ий сош	mission expires 12-7-92	Notary Public