

WR-35 DECETO MAY 0 5 1987
MAY 0 5 1987

DIVISION OF OIL & GAS
DEPT. OF ENERGY



State of Mest Nirginia

DEPARTMENT, OF ENERGY
Gil und Gas Bivision

Date	5/4/	87	ř		
Operat		2			
Farm	Had1	еу	1		
ADT No	. 47 -	- 09'	5 -	- 1179	

WELL OPERATOR'S REPORT

Programme (Associated Associated	OF							
	DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE							
VELL TYPE:	Oil / Gas x / Liquid Injection (If "Gas," Production x / Underground	/ Wast nd Storag	e Disposal e/ Deep	/ / Sha	110w_x/)			
OCATION:	Elevation: 1029 Watershed Big Run							
	District: Centerville County Tyle			Pennsl	oro			
	-				A Address of the Control of the Cont			
DMPANY A	ppalachian Energy Dev., Inc.							
	2 Box 499 Grafton, Wv 26354	Casing	Used in	Left	Cement fill up			
DESIGNATE	D AGENT George Williams	Tubing	Drilling	in Well				
NDDRESS_R	t 2 Box 499 Grafton, Wy 26354	Size						
SURFACE O	WNER Clarence Hadley	20-16 Cond.						
ADDRESS_R	Rt 1 Middlebourne, Wv.	11 3/4	252	252	100 sx			
MINERAL R	IGHTS OWNER Clarence Hadley	9 5/8						
ADDRESS R	Rt 1 Middlebourne, Wv	8 5/8	1562	1562	320 sx			
OIL AND G	AS INSPECTOR FOR THIS WORK Robert	7						
Lowther	ADDRESS Middlebourne, Wv	5 1/2			d s			
PERMIT IS	SUED 3/25/87		5101	5101	205 sx			
	COMMETICED 4/16/87	4 1/2						
	COMPLETED 4/25/87							
	ABLE: PLUGGING OF DRY HOLE ON	2			1 7			
CONTINCO	IS PROGRESSION FROM DRILLING OR	Liners			ļ			
PEWORKING UN	. VERBAL PERMISSION OBTAINED	used			<u> </u>			
	Rongon	<u> </u>	Dor	seb //9///	feet			
	AL TARGET FORMATION Benson							
	th of completed well 5085 feet							
	er strata depth: Fresh 35&700 feet;				:			
Coa.	l seam depths:none	- Is coal	. being mu	ned in the	e area? <u>no</u>			
OPEN FLOW	W DATA These zones are downhole	comming1	ed.					
Prox	ducing formation Renson	Pa	ay zone dep	oth 4947	-56 feet			
Gas	Initial open flow show Mcf/d	Oil: In	itial ope	n flow	0 Bb1/d			
Combin	nedFinal open flow 867 Mcf/d	Fi	inal open	flow	Bbl/c			
	Time of open flow between init	rial and f	Einal test	s <u>4</u> h	ours			
Sta	tic rock pressure 1730 psig(surface	ce measure	ement) aft	er <u>24</u> ho	urs shut i			
(If	applicable due to multiple completion	1)			:			
Sec	ond producing formation Riley	Pa	ay zone de	pth 4556	-88 feet			
Gas	: Initial open flowMcf/d	Oil: L	nitial ope	n flow	Bb1/c			
	Final open flow Mcf/d	Oil: F	inal open	flow	Bb1/			
	Time of open flow between ini							
Sta	atic rock pressurepsig(surfac							
				ina an	Į.			

- 1.) <u>Renson- perf 4947-56</u> w/14 holes. Frac w/30000# 20/40 sand in 450 bbls total fluid w/65000 SCF N₂. Avg Pr-2150 psi, Avg Rate-25 BPM, ISDP-1200 psi.
- 2.) Riley-perf 4471-74 w/2 holes, 4556-88 w/14 holes. Foam frac w/42500# 20/40 sand in 808 bbls 75 quality foam, using 550000 SCF N₂. Avg Pr-3000 psi, Avg Rate-24 BPM, ISDP-1800 psi.

Note: 3 9/16 baffle left in well @ 4649'.

WELL LOG

		•	_	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication and salt water, coal	of all fre
				7 022 022 9
and Cahala		20		
sand & shale	30	30 40	wet @ 35'.	and the second s
sand sand & shale	40	345	wet e 35.	MKI LZ
sand & share sand	345	381		5 5
sand & shale	381	504		44-0
sand & share sand	504	530	·	
sand & shale	530	690	·	
sand & share sand	690	710	wet @ 700'.	
sand sand & shale	710	1865	well @ 700.	
Big Lime	1865	1972		
Big Injun	1972	2113		
shale	2113	2280		
Weir	2280	2395		
shale	2395	2466		
Berea	2466	2470		
shale	2470	2893		
5th sand	2893	2902		
shale	2902	4555	The Address	
Riley	4555	4594	VOA-UE.	
shale	4594	4944	27.2	
Benson	4944	4956	The first same	
shale	4956	5085		
Total Depth		5085'	THY AMESON	
			to - care the control of the care of the c	
			THE MANAGEMENT AND THE MANAGEMEN	
			Table to the many of the many	
			Bullion des et	
			B.C C.C	
	i	1		•

(Attach separate sheets as necessary)

Appalachian Energy Dev., Inc.

Well operator

Date:

5/4/87

Note: Regulation 2.02(i) provides as follows:

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

FORM WW-2 (B) FILE COPY
(OBYSE) CENTY
7/85 MAR 2 5 198/



1) Date: 3/2	4		1987
2) Operator's H	Adley	#	Z
3) API Well No.	47	095	1179
	State	County	Permit

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

DEPART	MENT	delener	YEV	A	PPLICA	ATION FOR A WE	LL WORK PERMI	T		1 4	
4) WELL TY	PE: A	Oil	/ G	as	X/				•		
!	В	(If "Gas",	Productio	n		/ Underground	storage	/ Deep	/ Sh	allow X	^
5) LOCATIO		levation:		· ·		Watershed: _	BIG R	UN		/	,
			uter v			County:	74/er	Quadrangle:	אמעב	oro 7.5	77
		י אי		ENC	изу со	DE: <u>2325</u>	7) DESIGNATE	DAGENT GOOD	ge 1	WilliAn	75
Addres	s D	45/2	~ /	77	. 200	<u> </u>	Address	KT2 B	OX	199	
8) OU 6 C	<u> </u>				354	·		GrAF-101	y W	V 2635	Y
8) OIL & CA			uther	FIED			9) DRILLING C	CONTRACTOR	. /	A 141	,
Addres		Nera		liva	2 1/ 16		Name Cen	111	Oleun	n prilli	NS
7100103	h	ddle			WV.	26109	Address	VIENNA,	w^{ν}	<u> </u>	
10) PROPOSE	n weii	WODE.	Drill_	V '					V		
10) 1 101 001	JD WELL	WORK.		f old	_/ Dril	il deeper	/ Redrill	/ Stimulate	~~/		
			Other n	hysical	change	in well (specify)	rate new formation	'			
11) GEOLOG	ICAL TAF	RGET FOR			se is	olu specify					
12) Estima						feet		· · · · · · · · · · · · · · · · · · ·		<u> </u>	<u> </u>
13) Appro					/ O '	feet; salt	110	feet.		İ	
14) Appro	ximate coa	al seam der	oths: 10	Ne		•		e area? Yes	,	Na V	
15) CASING	AND TUB	ING PRO	GRAM					cuicu. Ics		140	_/
CASING OR	1	SPEC	CIFICATIONS	5		FOOTAGE	INTERVALS	CEMENT FILLUP	fi:	PACKERS	
TUBING TYPE	Size ,	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		I	-
Conductor	1134			X		2501	2001	SUPPAC &	K	101505	_
Fresh water	<u> </u>						`	1 3 3 7 7 7 0	Living	12 1 3.0 3	_
Coel	- 5/-	1,,	<u> </u>						Sizes	,	 .
Intermediate	8 3/8	<u> </u>	ļ	X		1569'	1569	Surtace.	Ku	le 15,05	
Production	4/2	Ί		_X_		5059	5059	10001 FILL	Depths se	: .	
Tubing	ļ						, V	509 SKS	OR.	ASDEOU	7264
Liners	 	 						BY Kulcisia	Perforation	ons:	
· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>				, ,	1		Тор	Bottom	
	l	<u> </u>	L				L				
; ; }									*.		.,.
1				-		OFFICE USE (
	,	7 7 005	1170			DRILLING PE	RMIT		_		
Permit number_		47-095	-11/9					March 2:	5 1 1	₁₉ 87	
								Date	:	:	
his permit cover uirements subject	ring the wo	ell operato	r and well	locatio	n shown	below is evidence of	of permission grante	ed to drill in accordance	e with th	ne pertinent legal	re-
o. 8) Prior to the	construct	ion of roa	ds, location	ns and s	oits for a	e reverse hereor _{Noti} ny permitted work	fication must be given In addition, the w	ed to drill in accordance wen to the District Oil sell operator or his cont	ind Gas I	nspector, (Refer t	0
				•			,			i .	
he permitted wo	ork is as de	scribed in	the Notice	and A	pplicatio	n, plat, and reclama	tion plan, subject t	o any modifications an	d conditi	ons specified on t	he
everse hereof. Permit expires			arch 2								
crimit expires				-, -		unless well	work is commenced	prior to that date and p	prosecute	d with due diligen	ce.`
						<u> </u>				:	
Bond:	Agent	<u>ن</u> ا ک	lat:	Casif	ng i	Fee Wegg	S&E,	Other		1 F	
			1 <1	15	7 4	169 120	> /X>				
						, /	0 11			- 577	
						188	ohn /	Lohnoto	. .		
OTE: Keep on	e copy of	this permi	t posted at	the dri	illing loc	ation. Di	rector, Daw	ision of 0il	and C	26	
		Sac 1	he reverse	elde of	the AD		<i>[h</i>]	1 / Pausa	tte G	7 Lan	4
		occ i		aidt Al	out Al'I	LICANI S COPY	for instructions to	ine well operator.			_
						~	-7	1 /			