

WR-35

MAY 1 6 1988



DEPT. OF ENERGY DEPARTMENT OF THE DEPARTMENT OF Gil und Cas Bivision

Date_	5/12/88	
Operat	or's	
Well N	o. #3	
Farm	Garner	
API No	. 47 - 095	- 1232

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1130 Watershed_	Short Run			
District: Centerville County Ty	ler	_Quadrangl	Pennsbo	oro
OMPANY Appalachian Energy Dev., Inc.				
NDDRESS Rt 2, Box 499 Grafton, Wv 26354	Cagina	Used in	Toft	Cerent
DESIGNATED AGENT George R. Williams	Casing	Drilling	}	fill up Cu. ft.
ADDRESS Rt 2, Box 499 Grafton, Wv 26354	Tubing	DITTING	TIL METT	Cu. It.
SURFACE OWNER Claude Garner	20-16			
ADDRESS Rural, Pennsboro, Wv	Cond.			
MINERAL RIGHTS OWNER Claude Garner	13-10"	30	0	0
ADDRESS Rural Rt, Pennsboro, Wv	9 5/8	1256	1256	surface
OIL AND GAS INSPECTOR FOR THIS WORK Bob	8 5/8	1236	1236	Surrace
Lowther ADDRESS Middlebourne, Wv	7			
PERMIT ISSUED 3/16/88	5 1/2	5001	5001	15001
DRILLING COMMENCED 4/11/88	4 1/2	5391	5391	1500'
DRILLING COMPLETED 4/16/88	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR PEWORKING. VERBAL PERMISSION OBTAINED	Liners used			
CN VERMAL PERMISSION OBTAINED	useu			
GEOLOGICAL TARGET FORMATION Alexander		Dep	th 5282	feet
Depth of completed well 5717 feet	Rotary x			
Water strata depth: Fresh 55 feet				
Coal seam depths: none				e area? no
OPEN FLOW DATA Note: These zones are downho		ad . Z		
OPEN FLOW DATA Note: These Zones are downloopen Froducing formation Alexander/Benson/Ri			see po th deta	
Gas: Initial open flow 65 Mcf/d				
Final open flow (750) Mcf/d				
Time of open flow between in				
Static rock pressure 1695 psig(surf				
(If applicable due to multiple completi		·	And and desired or property of the state of	
Second producing formation		ıy zone der	oth	feet
Gas: Initial open flow Mcf/c				
Final open flow Mcf/c				
Time of open flow between in Static rock pressurepsig(surfa				

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

1) Alexander-perf 5284-94 w/18 holes. Frac w/30,000 20/40 sand In 318 bbls water, using 37,800 SCF N2. Avg Rate-24, Avg Pr-2150, 1SDP-1250.

water, using 37,000 sor 12.

2) Benson-perf 4994-5000 w/18 holes. Frac w/30,000# 20/40 sand in 7/31/3 bbls water, using 38,000 SCF N₂. Avg Rate-25, Avg Pr-1950 ISDP-1385.

3) Riley-perf 4595-4626 w/17 holes. Foam frac w/30,000 20/40 4m 636, bbls 75 quality foam, using 526,000 SCF N₂. Avg Rate-24, Avg Pr-3070, ISDP-1650.

WELL LOG

	***	سس سم	
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 Red rock sand & shale red rock sand & shale Big Lime Big Injun shale Weir shale Berea shale 5th sand shale Riley shale Benson shale Alexander shale total depth	0 360 411 1360 1469 1961 2041 2158 2326 2445 2509 2515 2750 2763 4594 4628 4993 5000 5284 5305	360 411 1360 1469 1961 2041 2158 2326 2445 2509 2515 2750 2763 4594 4628 4993 5000 5284 5305 5717	1" water @ 55' 2" water @ 1553' Note: Gas tests were inaccurate due to soaping the hole.

(Attach separate sheets as necessary)

Appalachian Energy Dev., Inc.

Well Operator

By: 15/12/88

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 on!, encountered in the drilling of a well."

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DIVISION OF OIL & GAS DEPARTMENT OF ENERGY 3)

	•	Date: March		
2)		Operator's	we TT	num

Operator's well number

Garner #3
API Well No: 47 - 095 No: 47 - <u>095</u> - <u>1232</u> 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:	5) (a) Coal Operator:
- • · · · · ·	(a) Name Claude Garner	Name None
	Address 4523 W. Keim St.	Address
	Glendale, AZ. 85301	
	(b) Name	(b) Coal Owner(s) with Declaration
+ ,	Address	Name
		Address
	(c) Name	
4 4	Address	Name
	Address	Address
		144100
	Thomas bar D. L. B. T. and L. B.	(c) Coal Lessee with Declaration
6)	Inspector Robert Lowther	
	Address <u>General Delivery</u>	Name
	Middlebourne, WV 26149	
	Telephone (304)-758-4764	
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT:
ХХ	Included is the lease or leases or	other continuing contract or
conti	racts by which I hold the right to	extract oil and gas OR
	Included is the information requir	ed by Chapter 22B, Article 1,
Sect	ion 8(d) of the Code of West Virgin	
Dece.	I certify that as required under C	Chapter 22B of the West Virginia Code
T 1	ve served copies of this notice and	Landication a location plat and
I nav	ve served copies of this notice and	application, a location plat, and
accor	mpanying documents pages 1 through	on the above named parties, by:
	Personal Service (Affidavit a	ittached)
	xx Certified Mail (Postmarked po	stal receipt attached)
	Publication (Notice of Public	ation attached)
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to th	he terms and conditions of any perm	nit issued under this application.
	I certify under penalty of law tha	at I have personally examined and am
fami	liar with the information submitted	on this application form and all
		ry of those individuals immediately
resp	onsidie for obtaining the informati	on, I believe that the information
	rue, accurate, and complete.	
	I am aware that there are signific	
info	rmation, including the possibility	of fine and imprisonment.
	Well Operator	Appalachian Energy Dev., Inc.
	By: <u>Menal</u>	Mullians
		President
	Address / P	.O. Box 902
		elington, WV 26250
	Telephone(304) 265-4147
Subse		day on March , 1988
		ZX (())
		Notary Public
Mar C	ommission expires	Motaly Public
riy C	ommission expires	/ 1771
		- Aprileon of the Control of the Con

FORM WW-2B

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and the state of t	2	LAIL	UP V	1001	ATEGI	NIA			
DEPARTMENT	OE	ENE	RGY,	DIV	VISION	OF	OIL	AND	GAS
WEL	L	WORK	PER		APPLI				

		DELIN	WELL W	ORK PERMIT	APPLICATION OF	DIL AND GAS					
1)	Well Op	erator:_		7867		2325,	1,538				
2)	Operato	r's Well	Number:_	Garner #3	,	3) E1	/ evation: <u>1130</u>				
4)											
(b) If Gas: Production VX / Underground Storage/											
Deep/ Shallow_X_/											
5) Proposed Target Formation(s): Alexander 439											
6) Proposed Total Depth 1 : 5600 feet											
7)	7) Approximate fresh water strata depths: 150 ft. 670-690 Fw. 645-665										
8) Approximate salt water depths: 1550 oK											
9)	9) Approximate coal seam depths: None **FROM TUSE 259, 263, 10) Does land contain coal seams tributary to active mine? Yes/ No_XX/										
10)	Does lar	nd contai	n coal se	eams tribut	ary to act	ive mine? Ye	es/ No <u>xx</u> /				
			rk: Dril								
12)											
			CASIN	G AND TUBI	NG PROGRAM						
TYPE		<u>s</u>	PECIFICAT	CIONS	FOOTAGE I	NTERVALS	CEMENT				
ot	RALL.	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)				
<u>Condu</u>	ctor	11 3/4		4.2	30	30 CK	surface or				
Fresh	Water										
Coal						alc	38csR18-11.3				
Inter	mediate	8 5/8	·	23	1280	1280	surface or				
Produ	ction	45	J55	10,5	5450	38C5R.18-11.1 5450	540 sks or as required				
Tubin	g				•	SON STRUCTURE	30000				
Liner	5		1			N. B. G.	TA FILL				
PACKERS: KindMAR 09 1988											
Sizes											
246		F	or Diviso	n of Oil a	nd Gas Use		H UF ENERGY				
	Fee(s) pa		1// -	ork Permit	\sim	lamation Fund	A WPCP				
) 	Plat 🕏	Ww-9	Ww-	2В Ж В	ond 50 B	lanket	Agent				
	Plat Ww-9 Ww-2B St Bond So Blankst SAgent (Type)										