

1889 WELL 6-6 Hookins Fork Jarrolds Valley (247)



IV-35 (Rev 8-81)

## AUG 1 1 1987

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY Sinds of Mest Virginia Pepartment of Mines Gil und Cas Pivision

Date	Aug 3 .1987	
Operator's		
Well No	Rowland # 11	
	nd Land Co	
	- <u>081</u> - <u>0756</u>	

WELL OPERATOR'S REPORT

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

IOCATION: Elevation: 98	31.7 Watershed	Marsh Fork	of Big Coa	l River	
District: Mars	h Fork County Re	leigh ;	Quadrangle	e Whitevi	lle 7.5
COMPANY Allegheny & Wester	n Energy Corp	4	·	·	1-
ADDRESS P.O. Box 2587. Char	leston, W.Va., 2532	29 Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Dennis	L. Mann	Tubing	Drilling	in Well	
ADDRESS P.O.Box 2587, Char	leston, W.Va., 2532				
SURFACE OWNER Rowland Lar	nd Co.	20-16   Comd,		C. C	
ADDRESS 1033 Quarrier St.	Charleston, W.Va		81	81	500 sks
MINERAL RIGHTS OWNER S			922	922	336 sks
ADDRESS		8 5/8		,	
OIL AND GAS INSPECTOR FOR	THIS WORK Rodney		2053	2053	175 sks
,Dillon ADDRESS Sopi	.box 1326 hia, W VA	5 1/2	<u> </u>		
PERMIT ISSUED 4/24/87	•	4 1/2	5552	5552	230 sk
DRILLING COMMENCED 4/29	/87	- 3			
DRILLING COMPLETED 5/8/	87 ·	2			Ì
IF APPLICABLE: PLUGGING		-			
CONTINUOUS PROGRESSION FR REWORKING. VERBAL PERMIS		Liners			
ON_					
GEOLOGICAL TARGET FORMATI	ON Devonian Sha	ale	Dep	oth 5300	f
Depth of completed w					
Water strata depth:					}
Coal seam depths:			being mir	ned in th	e area?
-	· · · ·	SAPER-MERCHANIAN	•		
OPEN FLOW DATA	** *	20-	20	-+h 2/1/1	· /1 ==
Producing formation	_		y zone der	,	
Gas: Initial open f		/d Oil: In			
Final open flo		/d Fi			Bh
	pen flow between				
"Static rock pressure			ment) arte	ernc	ours shut
(If applicable due t	and the contract of the contra			20/.	ე <u>-</u>
Second producing for					
O \ Gas: Initial open:	flow Mcf	/d Oil: Ir			
^ \		-/- ^	mal onen :	t i Cuz	
final open flo	ow <u>(1100)</u> Mcf open flow between				

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

2444-2920 perf w/ 41 holes frac w/ 45,000# 20/40 sd + 1,000 gal 15% acid + 678,000 scf n2 3029-3587 perf w/ 33 holes frac w/ 45,000# 20/40 sd + 925 gal 15% acid + 811,000 scf n2 3891-4818 perf w/ 41 holes frac w/ 60,000# 20/40 sd + 1,000 gal 15% acid + 1,160,000 scf n2 5087-5532 perf w/ 39 holes frac w/ 19,000# 20/40 sd + 750 gal 15% acid + 696,000 scf n2



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

## WELL LOG

FORMATION COLOR HAPD OR SO	FT TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
sandstone & sahle salt sand shale salt sand sand & shale little lime slate & lime big lime shale weir shale sumbury shale sandy siltstone & shale gordon grey & lt Brown shale marcellus onondaga	0 1351 1518 1547 1791 2023 2076 2116 2378 2455 2600 2821 2842 3038 3052 5464 5545	1351 1518 1547 1791 2023 2076 2116 2378 2455 2600 2821 2842 3038 3052 5464 5545 5578	T.D. 5578 K.B.
404 2842 813 404 2 822 4792			
835 4992			

(Attach separate sheets as necessary)

Allegheny & W	estern E	nergy (	orp		<u></u>	
Well Opera	tor	ing a second				
By: Nen-	_ \ \ \ \ \ \ -	M.	<u> </u>	,Vice Pr	ceside	nt
Date:			Aug 3	,1987	128	
						- E-

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 wal, encountered in the drilling of a well."



l)	Date: 14	April ,	19 87
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2) Operator's Well No.\_\_

3) API Well No. State

County

Permit

## STATE OF WEST VIRGINIA

	DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
DIVISION OF OIL & GAS	APPLICATION FOR A WELL WORK PERMIT
SCOUNTERING OF ENERGY	FAR I RECOGNICION I ON 12 WILLIAM

DIVISIO	ON OF OI MENT OF	L& GAS FENERO	3 Y	API	PLICATIO	ON FOR A W	ELL WORK PERM	IT		
4) WELLTY				xX _xx			·		3.7	-
	B (I	f ''Gas'', P	roduction	$\frac{XX}{X}$		/ Undergrou	nd storage		/ Shallow <u>X</u>	X ) off
5) LOCATIO	N: Ele	vation:	981.	<u> </u>	<del></del>	Watershed:	Marsh Fo	ork of Big Co	<u>al River</u>	676
	Dis	trict: <u>M</u> E	arsh_	Fork		County:	Raleigh O	Quadrangle: W	<u>hitesvill</u> s L. Mann	
6) WELL OF	ERATOR	18:W_EI	iergy	-	_ CODE	:	7) DESIGNAI Address	EDAGENT Denni P.O. Box 2	587	
Addres	s Pol	<u>). Boz</u> arlest	250 - 02	MIXI 2	5320	-	Address	Charleston		9
					)) (-7		o DRILLING	CONTRACTOR:		
8) OIL & GA	odney	TOR TO E	ion	·icu			Name M	ilt Shaffner		
Name Addres	3.7	.O. Bo	15	26	***************************************	4-40	Address			
Auuics	-	ophia			rgini	a 25921				gar ya sanga sanga bangan dagan da da sangan da sa
0) PROPOS	ED WELL	WORK:	Drill_X	Χ	/ Drill	deeper	/ Redrill	/ StimulateX	X/	
(U) FROI 03/	41 W	., 02121.	Plug of	f old fo	rmation_	/ Pe	rforate new formati	ion/		
					hanaa lm	mall (enectfu)				Appears also an arrange and a state of the s
II) GEOLOG	ICAL TAR	GET FOR	MATION			rcellus	s Shale			A
	ated depth			59	<u> 00                                   </u>		feet	_		
13) Appr	oximate trat	a depths:	Fresh, _				salt, 500	feet.	/ No_XX	7 ,
	oximate coa					I	s coal being mined in	the area? Yes	/ NOAA	<u> </u>
15) CASING	AND TUB							II CEMENT FILL-UP	PACKERS	
CASING OR TUBING TYPE		SPEC	IFTCATION:   Weight	5 1 4			GE INTERVALS	OR SACKS	110000	
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	Kinds	
Conductor	10 5 /		70			0.00	896	300skscts	by rule	15.05
Fresh water	19-5/	8 sml	h .	X		896 2676	2676	200 sks	Sizes	
Coal	17-	smls	23	X		20/0	<u> </u>			
Intermediate	4-1/	2 sml	10.	5 x		5900	5900	200-400sks	Depths set Or 2	as required
Production	14-1/	1 21117	10.						by rule	
Tubing									Perforations:	
Liners						***************************************			Тор	Bottom
	-	t								
		1	1							
						OFFICE US				
					I	DRILLING	PERMIT			0.7
	47-	081-07	56				-	April 2	4	19 87
Permit number								Da		
This permit co	vering the v	vell operat	or and we	ell location	on shown	below is evide	ence of permission g	ranted to drill in accordan	ice with the pertin	ent legal re-
quirements sub	ject to the	conditions	contained	herein a	and on the	reverse hereo	Notification must b	pe given to the District Oil he well operator or his cor	and Gas Inspector	:, (Refer to y the proper
No. 8) Prior to district oil and	the construc	ction of roa	ads, locati s before :	ons and	pits for an rmitted w	ny permitted v ork has comm	vork. In addition, the nenced.)	ne wen operator of ms co.	:	,
district on and	gas mspece		L. Nine	an and A	nnlication	n plat and re	clamation plan, subj	ect to any modifications a	nd conditions spec	cified on the
The permitted reverse hereof.	work is as	described ii	n the Nou	ice and A	ъррисано					
Permit expires	Anri	il 24,	1989			unles	s well work is comme	nced prior to that date and	prosecuted with d	ue diligence.
_ J enpire										
7-1.	A		Dlat.	Cant	63 1	Fee W	PCP2 SAF	Other		
Bond:	Agen		Plat:		. • 1	131	X I AX		1	
LV			12	1	>103	» 17(				
			=	,				MA		
								A Charles		

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File