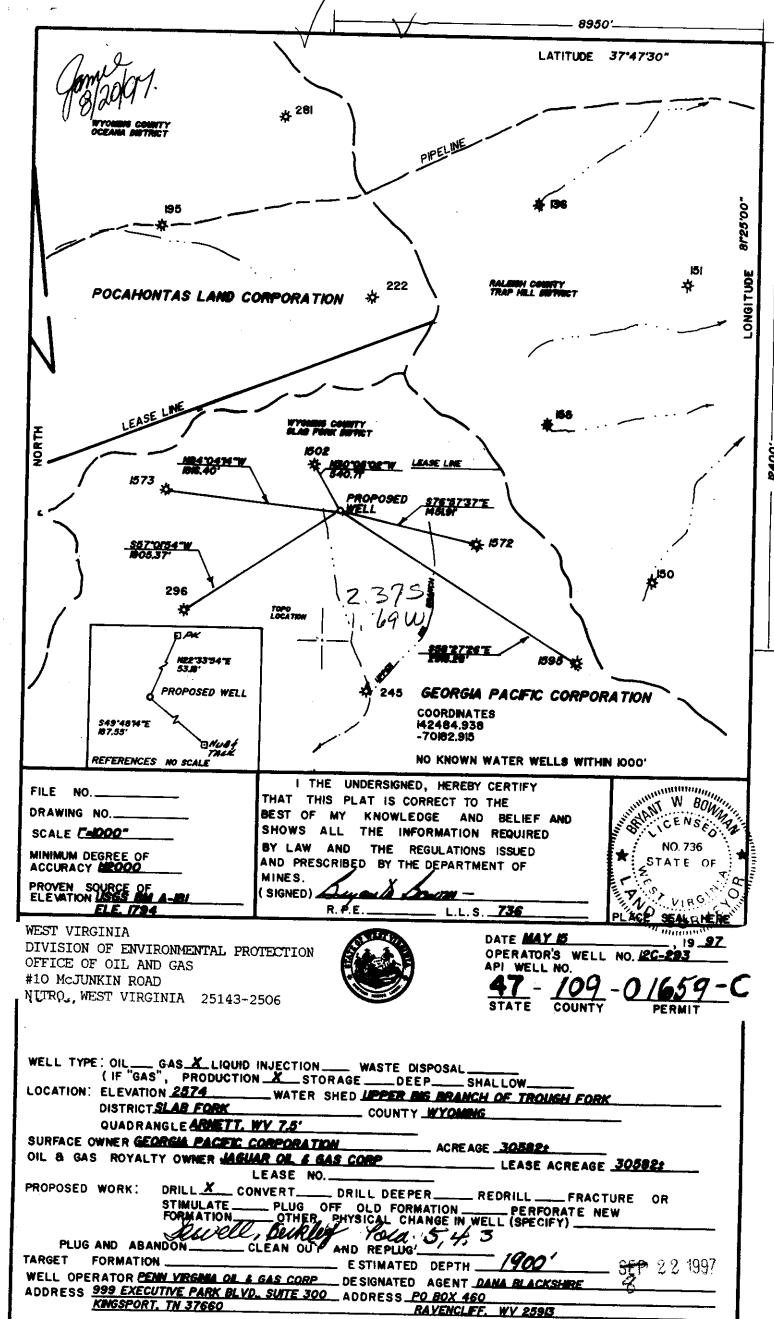


WY 25913

RAVENCLEE.

KINGSPORT. TN 37660



CONTRACTOR OF 16

State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: GEORGIA-PACIFIC CORP. Operator Well No.: 12-C-293 LOCATION: Elevation: 2,574.00 Quadrangle: ARNETT

> SLAB FORK District: County: WYOMING Latitude:

12400 Feet South of 37 Deg. 47Min. 30 Sec. 8950 Feet West of 81 Deg. 25 Min. 0 Sec. Longitude

Company: PENN VIRGINIA OIL AND GAS 999 EXEC. PARK BLVD., STE. 300 KINGSPORT, TN 37660-0000	Casing & Tubing		Left	Cement Fill Up Cu. Ft.
Agent: DANA BLACKSHIRE				
Harry Jewell	Size			
Inspector: OFIE HELMICK			:	
Permit Issued: 08/20/97	9 5/8"	133'	133'	89
Well work Commenced: 09/29/97		i		
Well work Completed: 01/16/98	45"	10501	1050	
Verbal Plugging	4.2	1850'	1850'	630
Permission granted on: Rotary X Cable Rig				
Total Depth (feet) 1866'				
Fresh water depths (ft) Damp at 786		<u> </u>	<u> </u>	
Tamp at /86				1
Salt water depths (ft)				
		! 	 	!
Is coal being mined in area (Y/N)? N		1	1	1
Coal Depths (ft): 240-245, 685-689,				
1106-1110		'	: 	
Louis Page 4 De				1
OPEN FLOW DATA Lower Poca 4, Po	cas,			
Poca 6, Poca 4,	1103-			
Producing formation Beckley and Sewe		Pay_zone (
Gas: Initial open flow 0 MCF Final open flow show MCF		nitial open		Bbl/d

Final open flow show MCF/d Final open flow Time of open flow between initial and final tests

Static rock Pressure N/A psig (surface pressure) after 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 Final open flow MCF/d Final open flow Time of open flow between initial and final tests

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.

Static rock Pressure psig (surface pressure) after

0.000 cf (2.4 0.00		3
Pendin For:	PENN VIRGINIA OIL AND GAS CORPORATION	<u> </u>
JUN 15 1998	By: 4 felliam M Roya	>
MAI Director of	Date: 6/9/98	— b
Environmental Designing		9
	JUN 22 1348	$^{\circ}$

Hours

Hours

FORM WR-35R (REVERSE)

PERMIT #: 47-109-01659-C

WELL#: 12C-293

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC

Perforated the Poca 3 coal from 1734' – 1740' with 7 holes, the Lower Poca 4 coal from 1677' – 1681' with 5 holes and the Poca 4 coal from 1656' – 1660' with 5 holes. Breakdown with 750 gallons of 7.5% HCL acid and water. Treated with 187 barrels water, 3000 lbs 12/20 sand and 174,000 SCF of N2. Stage 1 ATR: 40 BPM ISIP: 1050 psi ATP: 2830 psi

Perforated the Sewell coal from 1103' – 1106' with 4 holes, the Beckley coal from 1366' – 1369' with 4 holes and the Poca 6 coal from 1492' –1497' with 6 holes. Breakdown with 750 gallons of 7.5% HCL acid and water. Treated with 298 barrels of water, 17,800 lbs 12/20 sand and 442,000 SCF of N2. ATR: 36 BPM ATP: 3290 psi ISIP: 2750 psi Stage 2

<u>FORMATIONS</u>	TOP	BOTTOM	REMARKS
Sand & Shale	0	317	
Coal Sand & Shale	317 322	322 448	
Coal	448	451	
Sand & Shale Sewell Coal	451 1103	1103 1106	
Sand & Shale	1106	1140	
Sand Beckley Coal	1140 1365	1365 1368	
Sand	1368	1410	
Shale Poca 6 Coal	1410 1495	1495 1496	
Sand	1496	1657	
Poca 4 Coal Shale	1657 1659	1659 1673	
L Poca 4 Coal	1673	1676	
Sand & Shale	1676	1844	Gas checks - No shows reported

			200			1680-C -	-
- -	DIVI	SION OF E	<u>MATKONWEW</u>	TAL PROTE	CTION, OFFI CAPPLICATION	04 -1484- (= : CE OF OIL AI ON	ND GAS
2411	Well Op	erator: P	ENN_VIRGI	NIA OIL &	GAS CORPOR	ATION 3775	0 218
	Operato:	r's Well:	Number: 1	20-293		3) E.	levation: 2574
	Well typ	pe: (a)	0il/	or Ga	s <u>X</u> /	Issued of	08/20/97
		(b)	If Gas:	Production Deep	n <u>X</u> / Underg	cround Storago Shallo	ge/
5)	Proposed	i Target :	Formation			oca 5, 4 and $\frac{1}{3}$	
6)				0 .		-nvii	
7)	Approxim	nate fres	h water s	trata dep	ths: 1000	〜 	To 37
8)	Approxim	mate salt	water de	pths: N/A		Cilice of	mitting Oir & Gas 860.
9)	Approxim	mate coal	seam dep	ths: 20, o	pen mine 60,	280, 350, 500,	860.
10)	Does lar	nd contain	n coal se	to be ams tribu	treated 1150 tary to act	, 1400, 1620, ive mine?	1690, 1720* Yes/ No_ <u>X</u> /
11)	Proposed	d Well Wo	rk: Drill	and complet	e a CBM well	in the coals l	isted above
12)			n the coal	log ran on		_	_
TYPE		C.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
TIEE		5.	PECIFICAT	TONS	FOOTAGE I	NTERVALS	CEMENT
TIFE		Size	Grade	Weight		Left in	
Condu	ıctor			Weight	For	Left in	Fill-up
Condu	ictor n Water			Weight	For	Left in	Fill-up
Condu	ı Water	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu Fresh	ı Water	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu Fresh Coal	ı Water	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu Fresh Coal Inter	mediate	Size 9 5/8	Grade L.S.	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu Fresh Coal Inter Produ	mediate	Size 9 5/8	Grade L.S.	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu Fresh Coal Inter Produ Tubin	mediate action ag as	9 5/8 4 1/2	Grade L.S.	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu Fresh Coal Inter Produ Tubin	mediate action ag as	9 5/8 4 1/2	Grade L.S.	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu Fresh Coal Inter Produ Tubin	mediate action ag as	9 5/8 4 1/2 d_es_ths_set_	L.S. M-65	Weight per ft.	For drilling	Left in well 120 1900	Fill-up (cu. ft.)
Condu Fresh Coal Inter Produ Tubin Liner PACKE	mediate action ag as ERS: Kin Siz Dep	9 5/8 4 1/2 4 1/2 des	L.S. M-65	Weight per ft. 26 9.5 of Oil a	for drilling 120 1900 1900	Left in well 120 1900 Only	Fill-up (cu. ft.)

Page 1 of	3
Form WW	2-A
(6/94)	
File Copy	

4)

1)	Date:_	May	15,	1997
2)	Operat	ors v	vell	number

			4	シース	フラ
31	API	Wel	ī	No:	47

109 State County

Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

l)	Surface Owner(s) to be served: 5) (a)) Coal Operator:	
	(a) Name Georgia Pacific Corp Address PO Box 105605 Atlanta, GA 30348	Name	
	Atlanta GA 303/8	Address	
	(h) Nomo	(b) Cool Owner(a) with Declaration	
	Address	Name Wyoming Pocahontas Land Co.	
		Address 39 Robin Place	
	(c) Name	Beckley, WV 25801	
	Address	Name	
		Name Wyoming Pocahontas Land Co. Address 39 Robin Place Beckley, WV 25801 Name Address	
3)	Inspector Mr. Ofie Helmick	(c) Coal Lessee with Declaration	
•	Address Post Office Box 398	Name	
	Diencon, wv 24616-0596	8 Address	
	Telephone (304)543-0764		
	TO THE DEDOCHOUNT	HED ADOLE TAKE NOTICE THAT	
	TO THE PERSON(S) NAM	MED ABOVE TAKE NOTICE THAT:	
		er continuing contract or contracts by which I hold the	ne
igni i	o extract oil and gas <u>OR</u> Included is the information required by t	Chapter 22, Article 6, Section 8(d) of the Code of We	t 2
Virgin	ia (see page 2)		
Ŭ	I certify that as required under Chapter	er 22 of the West Virginia Code I have served copies	of
his n		and accompanying documents pages 1 through	
	pove named parties, by:		
	Personal Service (Affidavit attac	ched)	
	X Certified Mail (Postmarked posta	al receipt attached)	
	Notice of Publication	on attached)	
aandi:	I have read and understand Chapter 2	22-6 and 38 CSR 11-18, and I agree to the terms a	па
וטווטג	tions of any permit issued under this app	pilication. hove personally eventined and am familiar with t	ha
oform	action submitted on this application form	have personally examined and am familiar with the and all attachments, and that based on my inquiry	ne Of
hose	individuals immediately responsible for	obtaining the information, I believe that the informati	
	e, accurate, and complete.	obtaining the information, I believe that the informati	ULI
Suue		penalties for submitting false information, including t	ha
nneeil		•	110
Jossi	bility of file and imprisonment. Well Oners	torPENN VIRGINIA OIL & GAS CORPORATION	
	By:		
	Its:	Vice President	
	Address	999 Executive Park Blvd., Suite 300	
		Kingsport, TN 37660	
	Telephone	1-423-392-0500	
Subse	cribed and sworn before me this 1474da		
	11:),	
	hita x	Tulus on Notary Public	
My co	ommission expires 2-13-99		
	-		
		•	