

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

Recorded

RECEIVED Division of Energy

Well Operator's Report or well work

Farm name: GEORGIA-PACIFIC CORP Operator Well No.: B-2 S #133651

LOCATION: Elevation: 1292.09 Quadrangle: BARNABUS

Oil and Gus overlien

District: MAGNOLIA

County: MINGO

Latitude: 13490 Feet South of 37 Deg. 40Min. 0 Sec. Longitude 9150 Feet West of 82 Deg. 5 Min. 0 Sec.

Company: ASHLAND EXPLORATION, INC.

ASHLAND, KY 41114-0391

P.O. BOX 391, A1-6

Agent: FORREST BURKETT

Inspector: TIM BENNETT

Permit Issued:

Well work Commenced: 02/25/91 08-05-91

Well work Completed:

10-01-91

Verbal Plugging

Permission granted on:
Rotary x Cable Rig
Total Depth (feet) 5120
Fresh water depths (ft) 128'
517 (Map WV-12)

Salt water depths (ft) None Noted 767 (Map WV-12)

Is coal being mined in area (Y/N)? N Coal Depths (ft): 28-32

	Casing &	Used in	Left	Cement		
	Tubing	Drilling	in Well	Fill Up Cu. Ft.		
	Size					
	16"	47 *	47'	11.8		
	8 5/8"	2512	2512'	1090		
density density canada	5 1/2"	5082'	5082	420		
	1.9" tbg @ 4986'					

OPEN FLOW DATA

Devonian Shale

Producing formation Berea Pay zone depth (ft) 3440-5039

Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 985 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 3 Hours Static rock Pressure 805# psig (surface pressure) after 72 Hours

Second producing formation Big Lime Pay zone depth (ft) 2624-2656 Gas: Initial open flow \$\frac{2010}{2010}\$ MCF/d Oil: Initial open flow 0 Bbl/d Final open flow 656 MCF/d Final open flow 0 Bbl/d Time of open flow between initial and final tests 3 Hours Static rock Pressure 40# psig (surface pressure) after 72 Hours

** Note: The Big Lime will be natural producer

between the $8 5/8 \times 5 1/2$ " annulus. 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: ASHLAND EXPLORATION, INC.

James L. Stephens; Eng. Tech. October 18, 1991

Formation or Rock Type	Тор	Base
Breathitt Formation Lee Formation Pennington Formation U. Maxton 2246-2338 L. Maxton 2428-2451 Little Lime Big Lime Borden Formation Sunbury Shale	2481 2539 2770 3395	937 1821 2481 2539 2770 3395 3426
Berea Devonian Shale Onondaga Ls.	3426 3465 5112	3465 5112 TD

DTD 5120 LTD 5129

Well Treatment:

Perf Rhinestreet 16H/4945-5039. N $_{\rm s}$ frac using 500 gal 7 1/2% inh fe acid and 909,000 SCF N $_{\rm s}$ @ 73,760 SCF/min. BD @ 3286#, ATP 3949#, MTP 4000#, ISIP 2824#.

Perf Huron 20H/4261-4652. N. frac using 500 gal 7 1/2% inh fe acid and 909,000 SCF N. @ 86,459 SCF/min. BD @ 3369#, ATP 3877#, MTP 3986#, ISIP 2366#.

Perf Chagrin/Berea 20H/3440-3786. N , frac using 500 gal 7 1/2% fe inh acid and 917,000 SCF N , @ 88,000 SCF/min. BD 3209#, ATP 3942#, MTP 4008#, ISIP 2032#, 15 min 1320#.

Big Lime will be produced naturally up the 8 5/8" X 5 1/2" annulus.

059-1144 Issued 2/28/91

FORM WW-2B

Page 1 of 1
Expues 2/25/93
GAS

STATE OF WEST VIRGINIA OF ENERGY, DIVISION OF OIL

				RK PERMIT	APPLICATION	4					
1)	Well Operator: Ashland Exploration, Inc. 2750 (5) 232										
2)	Operator	s's Well		eorgia-Pacif -2, Serial #	ic Corp. 133651	3) Ele	vation:1292.09				
4)	Well typ	e: (a)	oil_/	or Gas	<u>X</u> /						
				Deep	441	ound Storage Shallow					
5)	Proposed	l Target	Formation	(s): <u>Devo</u>	nian Shale						
6)	Proposed Total Depth: 5140'KB feet										
7)	Approximate fresh water strata depths: 517'KB (Map WV-12)										
8)	Approximate salt water depths: 767'KB (Map WV-12) Upper Cedar Grove; Elev. 1010' - Mined Out										
9)	Approxim	nate coal	seam dep	ths: Lower	Cedar Grove;	Elev. 1010' - Elev. 930' -	Mined Out Mined Out				
10)	Does lar	d contai	n coal se	ams tribut	ary ito acti	lve mine? Ye	s/ No_x/				
11)	Proposed	Well Wo	rk:	(Dell	Stemul	te Noull	iWC -				
12)				me -	/						
			CASIN	G/AND TUBI	NG PROGRAM						
TYPE		S	PECIFICAT	IONS	FOOTAGE IN	NTERVALS	CEMENT				
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)				
Condu	ictor	16	LS	42.0	30	30 7	CTS				
Fresl	n Water					()	38CS(1811)				
<u>Coal</u>		11 3/4	H40	42.0	422	422 (_	SECSFIBAN &				
	•						n and part of the second secon				

Production	5 1/2	J55	15.5	5140	5140	As Needed
Tubing	1.9	J55	2.76		5090	Siphon
Liners						
PACKERS : Ki	nd					•
α	pths set					
5	78	Or Diviso	on of Oil a	nd Gas Use	Only	M
Fee(s)	paig:	I Wall v	Vork Penmit	Rec	lamation, Fun	d/ WPCP

Plat (WW-9 WW-2B (Bond Sunt)
(Type)

Intermediate

8 5/8

J55

	1 of <u>2</u> WW2-A 37)			2)	Operator Georgia-H	February 3, 10's well nur Pacific Corp. No: 47 - State - 0	mber #B-2, S 059	
		DEPARTMENT	STATE OF OF ENERGY					RECEN
		NOTICE AND	APPLICATION	ON FO	R A WELL	WORK PERMI		FEB 0 5 Q
4)	(a) Name Address (b) Name Address	wner(s) to b Georgia-Pacif Jerry Crouse Wyoming, WV	ic Corp. 24898		Name Is Address (b) Coal Name Ge Address	Coal Operators and Creek Coal P.O. Box 840 Holden, WV Owner(s) website or Crouse Wyoming, WV	or: oal Comp 25625 with De	Parm the angle of
	Address _				Name			
	***************************************			· · · · · · · · · · · · · · · · · · ·	Address			
	Address _	Tim Bennett Rt. 2, Box 6 Chapmanville (304)-855	l-B , WV 25508		Name <u>Is</u> Address	Lessee wit land Creek Co MXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	al Compa	any
Secti I hav	acts by will included on 8(d) or 1 certify e served or 2 panying do 2 Person 2 Publ	is the lease hich I hold is the infor the Code of that as requored for the couments page on al Service ified Mail (ication (Not	the right mation red f West Vir uired unde is notice es 1 throu (Affidavi Postmarked ice of Pub	to e quire rgini er Ch and ughit at d pos blica	xtract od by Cha a (see papter 22 applicat 2 on th tached) tal rece tion att	il and gas pter 22B, A age 2) B of the We ion, a loca e above nam ipt attache ached)	OR Article est Vir tion p med par	1, ginia Code lat, and ties,by:
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