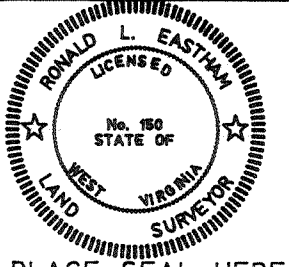


Location No. 26
S.N. 142201
Island Creek Coal Company
Coordinates for Loc. No. 26
N 106,639.57 : W 76,161.49

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1: 3260
PROVEN SOURCE OF ELEVATION I.C.C. Station 10234
Elev. = 1688.75

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY THE LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
(SIGNED) Ronald L. Eastman
R.P.E. _____ L.L.S. 150



STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

DATE September 14, 19 92
OPERATOR'S WELL NO. Elk Creek Coal Land Co. No. 26, S.N. 142201
API WELL NO. 47-045-1196

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION _____ STORAGE DEEP _____ SHALLOW

LOCATION: ELEVATION 1675.58 WATER SHED Moore Fork of Elk Creek of the Guyandotte River
DISTRICT Triadelphia 3 COUNTY Logan
QUADRANGLE Mallory Gilbert EC

SURFACE OWNER Georgia-Pacific Corporation ACREAGE 7000+
OIL & GAS ROYALTY OWNER Island Creek Coal Company LEASE ACREAGE 7600
LEASE NO. 5658

PROPOSED WORK: DRILL _____ CONVERT DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET INFORMATION Devonian Shale ESTIMATED DEPTH 6036' KB

WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Bobby E. Widener
ADDRESS P.O. Box 391 ADDRESS P.O. Box 379
DEEP WELL Ashland, Ky. 41114 4619 Ashland Brenton, W.V. 24818

FORM WW-6

COUNTY NAME PERMIT

NOV 13 1992

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MAR 29 93
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 Office of Oil & Gas

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.: 26-S-142201

LOCATION: Elevation: 1675.58 Quadrangle: MALLORY

District: TRIADELPHIA County: LOGAN
 Latitude: 2550 Feet South of 37 Deg. 40 Min. 0 Sec.
 Longitude: 6050 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: ASHLAND EXPLORATION, INC.
 P. O. BOX 391, A1-6
 ASHLAND, KY 41114-0391

Agent: B. E. WIDENER

Inspector: OFIE HELMICK

Permit Issued: 11/09/92
 Well work Commenced: 11/17/92
 Well work Completed: 03/10/93
 Verbal Plugging:
 Permission granted on: _____
 Rotary X Cable _____ Rig
 Total Depth (feet) 6035'
 Fresh water depths (ft) 78' damp

Salt water depths (ft) 887' damp,
 2440' damp

Is coal being mined in area (Y/N)? N
 Coal Depths (ft): 406-501, 515-523,
 560-567, 581-584, 710-714

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
16"	47'	47'	11.8
11 3/4"	308'	308'	203
8 5/8"	2218'	2218'	723
5 1/2"	5980'	5980'	570
1.9" @	5856' w/	R-4 pkr	@ 3943
1.9" @	3864'		

OPEN FLOW DATA

Producing formation Dev. Shale Pay zone depth (ft) 4905-5916
 Gas: Initial open flow 21 MCF/d Oil: Initial open flow --- Bbl/d
 Final open flow 843 MCF/d Final open flow --- Bbl/d
 Time of open flow between initial and final tests 3 Hours
 Static rock pressure 710# psig (surface pressure) after 72 Hours

1430 P.S.A. Berea 3845-3962
 Second producing formation Big Lime Pay zone depth (ft) 3110-3164
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow --- Bbl/d
 Final open flow 587 MCF/d Final open flow --- Bbl/d
 Time of open flow between initial and final tests 3 Hours
 Static rock Pressure 665# psig (surface pressure) after 72 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1. DETAILS OF PERFORATED INTERVALS, FRACTURING OF STIMULATING, PHYSICAL CHANGE, ETC. 2.) THE WELL LOG WHICH IS A SYSTEMATIC DETIALED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Reviewed TM6 For: ASHLAND EXPLORATION, INC.
 Recorded _____ By: James J. Stephens Jim Stephens, Engineering Tech.
 Date: 3/25/93

<u>Formation or Rock Type</u>	<u>Top</u>	<u>Base</u>
Sand and Shale (base Lee Sand)	0	2150
Pennington	2150	2882
U. Maxton	2262	2444
M. Maxton	2554	2682
L. Maxton	2812	2840
Little Lime	2882	2956
Big Lime	2956	3281
? - Borden (mic/Boro)	3281	3824
Sunbury Shale	3824	3843
Berea	3843	3880
Devonian Shale 409.3580	3880	6018
Onondaga lime	6018	T.D.

Drillers TD 6035

Loggers TD 6030

85/8 and 113/4 cmt't to surface on primary job.

830
Perf'd the Rhinestreet w/ SF HCG 1SPF @ 5916, 5908, 5900, 5891, 5888, 5877, 5868, 5862, 5855, 5852, 5848, 5844, 5840, 5836, 5790, 5784, 5782, 5780, 5778, 5771 (20 holes total). N₂ frac Rhinestreet using 200 gal 9.1% HCl-Fe acid 811,000 scf N₂ @ 78,000 scf/min. BD 4166, ATP 4175, MTP 4233, ISIP 1823.

833
Perf'd L. Huron using 3/8" HCG .39 jets SF 1SPF @ 5357, 5353, 5328, 5304, 5285, 5278, 5264, 5247, 5244, 5204, 5166, 5110, 5077, 5058, 5025, 5003, 4976, 4963, 4956, 4942, 4918, 4905 (22 holes total). Set Arrow RBP @ 5370'. HOWCO pump 500 gal 9.1% HCl-Fe acid. N₂ frac L. Huron using 819,000 scf N₂ @ 100,000 scf/min. BD 4111, ATP @ 3905, MTP 4111, ISIP 2193.

Perf'd Berea using 4" HCG 10H/3858-3862 and 22H/3845-3855'. Pump 215 gal 15% HCl-Fe acid. Foam frac Berea 4 -21 ppg using 75Q foam; 61,600# 20/40 sand; 280,000 scf N₂ @ 9100-9200 scf/min. BD @ 1468, MTP 1468, ATP 1286 @ 20 BPM, ISIP 1295, 15 min 1109, TF 157 bbls.

Perf'd Big Lime using 4" HCG .48 jets 2SPF @ 3162-3164 (6 holes) and 3107-3110 (8 holes). Foam acidize Big Lime using 2000 gal 28% HCl-Fe acid and 500 gal 15% HCl-Fe acid foamed to 60/65Q. 122,900 scf N₂ @ 7200 scf/min. Acid rate 3-6 BPM. BD 3085, ATP 2820 @ 4.8 BPM, MTP 3085, ISIP 2352. Dropped 4 perf balls. TF 84 bbls.

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045-1196

Issued Page 1 of 1
11/09/92

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION**

Expires 11/09/94
2750 (3) 454

- 1) Well Operator: Ashland Exploration, Inc.
- 2) Operator's Well Number: No. 26 Serial #142201 3) Elevation: 1675.6
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Devonian Shale 441
- 6) Proposed Total Depth: 6096'KB feet
- 7) Approximate fresh water strata depths: 230'
- 8) Approximate salt water depths: 2023
- 9) Approximate coal seam depths: Solid - No Seams Operated
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill and Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu.ft.)
Conductor	16	LS	42.0	30	30	CTS.
Fresh Water	11 3/4	H40	42.0	280	280	CTS
Coal						
Intermediate	8 5/8	J55	24.0	2155	2155	CTS
Production	5 1/2	J55	15.5	6086	6086	As Needed
Tubing	1.9	J55	2.76	--	6000	Siphon
Liners						

38CSR1811.3
38SR1811.2
38CSR1811.1

PACKERS : Kind
 Sizes
 Depths set

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 Environmental Protection
 OCT 13 92

For Division of Oil and Gas Use Only

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 Office of Oil & Gas

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Surety Blanket Agent
 (Type)

506 715 / 34

REC'D
OCT 13 02
Permitting
Office of Oil & Gas

1) Date: October 8, 1992
2) Operator's well number
Elk Creek Coal Land Co #26 Serial #142201
3) API Well No: 47 - 045 - 1196
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:
- (a) Name Georgia-Pacific Corp.
Address P.O. Box 105605
Atlanta, GA 30348
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name Island Creek Coal Company
Address P.O. Box 840
Holden, WV 25625
- (b) Coal Owner(s) with Declaration
Name Island Creek Coal Company
Address P.O. Box 840
Holden, WV 25625
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name None
Address _____
- 6) Inspector Ofie Helmick
Address P.O. Box 218
Fanrock, WV 24834
Telephone (304)-732-9135

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 2 on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Ashland Exploration, Inc.
By: W. Mark Parks
Its: Operations Manager
Address P. O. Box 391
Ashland, KY 41114
Telephone (606) 329-5989

Subscribed and sworn before me this 8th day of October, 1992

Thibe W. Nanta Notary Public
My commission expires November 23, 1994

045 1196

DISTRIBUTION

William L. Covington
Georgia-Pacific Corp.
P.O. Box 105605
Atlanta, GA 30348

Randall P. Cunningham
Island Creek Coal Co.
P.O. Box 840
Holden, WV 25625
304-239-6557

Jerry Crouse
Georgia-Pacific Corp
General Delivery
Wyoming, WV 24898

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