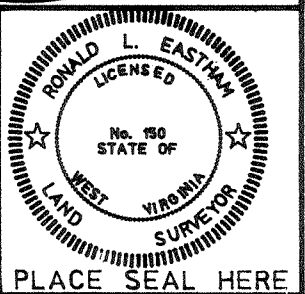


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1: 225892
 PROVEN SOURCE OF ELEVATION A.E.I. Well No. 47-045-1186 TBM #1 Elev. = 135321

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. Eastham
 R.P.E. _____ L.L.S. 150



STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

DATE July 27 19 92
 OPERATOR'S WELL NO. D-35
 API WELL NO. 6N.142691
47-045-1197
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1452.70 WATER SHED Crawley Creek of the Guyandotte River
 DISTRICT Guyan COUNTY Logan
 QUADRANGLE Chapmanville

SURFACE OWNER Georgia-Pacific Corporation ACREAGE 798.76 (I.C.3)
 OIL & GAS ROYALTY OWNER Island Creek Coal Company LEASE ACREAGE 35053.47
 LEASE NO. 80662

PROPOSED WORK: DRILL ___ CONVERT X 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 4640' KB
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Bobby E. Widener
 ADDRESS P.O. Box 391 4619 Ashland ADDRESS P.O. Box 379 Brenton, W.V. 24818

FORM WW-6

COUNTY NAME PERMIT

WR-35

02-Dec-92
API # 47-045-01197

JUN 07 1993
Permitting
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 CO.

Operator Well No.: ICC#D-35-142691

Location: Elevation: 1452.70

Quadrangle: CHAPMANVILLE

District: GUYAN

County: LOGAN

Latitude: 12350 Feet South of 37 Deg. 55 Min. 0 Sec.

Longitude: 1950 Feet West of 82 Deg. 2 Min. 30 Sec.

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

Agent: B. E. Widener

Inspector: OFIE HELMICK

Permit Issued: 12-02-92

Well Work Commenced: 12-23-92

Well Work Completed: 05-17-93

Verbal Plugging

Permission granted on:

Rotary Cable _____ Rig _____

Total Depth (feet) 4633

Fresh water depths (ft) Damp @ 80'

Salt water depths (ft) 1115' Damp

Is coal being mined in area (Y/N)? N

Coal Depths (ft): Coal 128-132, 220-228

370-375, 410-415

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size 16"	40'	40'	11.8
11 3/4"	560'	560'	567
8 5/8"	1971'	1971'	662
5 1/2"	4625'	4625'	548
1.9" @ 4519' w/pkr. @ 2391'			
1.9" @ 2290' KB			

OPEN FLOW DATA

Producing formation Devonian Shale/Berea Pay zone depth (ft) 2773-4572
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow --- Bbl/d
 Final open flow 712 MCF/d Final open flow --- Bbl/d
 Time of open flow between initial and final tests 3 Hours
 Static Rock Pressure 320# psig (surface pressure) after 72 Hours

Second producing formation U. Weir/Big Lime Pay zone depth (ft) 2205-2295
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow --- Bbl/d
 Final open flow 552 MCF/d Final open flow --- Bbl/d
 Time of open flow between initial and final tests 3 Hours
 Static Rock Pressure 290# psig (surface pressure) after 72 Hours

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.

Reviewed: TMG

By: James L. Stephens James L. Stephens, Eng. Tech.

Date: _____

JUN 11 1993

<u>Formation or Rock Type</u>	<u>Top</u>	<u>Base</u>
Sand and Shale (base Lee Sand)	0	1548
Pennington	1548	1956
L. Maxton	1919	1933
Little Lime	1956	2006
Big Lime	2006	2215
Borden	2215	2738
U. Weir	2265	2302
Sunbury Shale	2738	2768
Berea	2768	2783
Devonian Shale	2783	4620
Onondaga Ls.	4620	4633

Drillers TD 4633

Loggers TD 4635

8 5/8 cmt'd to surface on primary job.

11 3/4 grouted to surface with 150 sx cmt.

Perforate Rhinestreet using 3/8" DPJ jets in s.f. HCG 1 spf @:
 4572', 4545', 4540', 4535', 4515', 4508', 4505', 4496', 4492',
 4490', 4473', 4468', 4459', 4441' & 4422'. N₂ frac using 200 gal 8%
 HCl-Fe acid, 857,000 scf N₂ @ 103,900 scf/min. BD - 3860#, ATP -
 3804#, MTP - 3976# & ISIP - 2528#.

Perf L. Dev. Shale using 3/8" DPJ in s.f. HCG 1 spf @: 4115',
 4099', 4096', 4081', 4078', 4072', 4061', 4058', 4055', 4041',
 4032', 4025', 4017', 3994', 3987', 3961', 3937', 3911', 3895',
 3857', 3826', 3822' & 3804'. N₂ frac L. Dev. Shale using 350 gal
 8% HCl-Fe acid, 821,000 scf N₂ @ 101,400 scf/min. BD - 4305#, ATP -
 3050#, MTP - 4305# & ISIP - 1645#.

Perf U. Dev. Shale & Berea using 3/8" DPJ in s.f. HCG 1 spf @
 3046', 3027', 3024', 3018', 2988', 2985', 2961', 2944', 2938',
 2934', 2929', 2846', 2838', 2811', 2789', 2778', 2777', 2774' &
 2773'. N₂ frac U. Dev. Shale & Berea using 350 gal 8% HCl-Fe acid,
 810,000 scf N₂ @ 103,500 scf/min. BD - 3469#, ATP - 2754#, MTP -
 3459#, & ISIP - 1126#.

Perf U. Weir/B. Lime using .41 jets in 4" HCG, 48H total. 6H/2293-
 95, 4H/2290-91, 18H/2272-80, 20H/2205-14. 75 Quality foam frac the
 Weir/Big Lime using 63,300# 20/40, 310,000 scf N₂ @ 8362 scf/m. BD
 - 1238#, ATP - 1115# @ 20 b/m foam, MTP - 1259#, ISIP - 1155#

045 1197

NOV 1 1992

STATE OF WEST VIRGINIA

Issued 12/02/92

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK PERMIT APPLICATION

Expires 12/02/94

- 1) Well Operator: ⁴³ Ashland Exploration, Inc. 2750 (4) 258
- 2) Operator's Well Number: Island Creek Coal, D-35 3) Elevation: 1453
- 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 ⁴⁴⁾
- 6) Proposed Total Depth: 4640' KB feet
- 7) Approximate fresh water strata depths: 480
- 8) Approximate salt water depths: 1792
 (171-173), (182-184), (238-241), (296-297), (337-340), (373-375),
- 9) Approximate coal seam depths: coal depths from D-47 daily field report
- 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	530	530	CTS 305578/11.3 305578/11.2
Coal						
Intermediate	8 5/8	J55	24.0	1970	1970	CTS
Production	5 1/2	J55	15.5	4640	4640	As Needed
Tubing	1.9	J55	2.76	-	4565	305578/11.1 Siphon
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

506754/35

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

RECEIVED

Page 1 of 2
Form WW2-A
(09/87)

WV Dept of Energy
Environmental Protection

NOV 16 1992

Permitting
Office of Oil & Gas

1) Date: November 12, 1992
2) Operator's well number
Island Creek Coal Co., D-35, Serial #142691
3) API Well No: 47 - 045 - 1197
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 Jerry Crouse, General Delivery
Wyoming, WV 24898
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
- Name _____
Address _____
 - (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 _____
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 *W. Mark Parks OKC*
Its: Operations Manager
Address P.O. Box 391
Ashland, KY 41114
Telephone (606) 329-5989

Subscribed and sworn before me this 12th day of November, 1992

Suzette S. Hubbard Notary Public
My commission expires 4-27-93