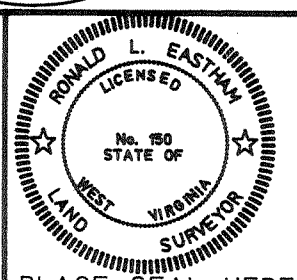


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1: 26092
 PROVEN SOURCE OF ELEVATION U.S.C. & G.S., B.M. 'N-145'
 Elev. = 809.585

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 July 17 19 92
 OPERATOR'S WELL NO. Island Creek Coal Co. D-53
 API WELL NO. S.N. 141631

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

LOCATION: ELEVATION 1001.06 WATER SHED Rockhouse Branch of Mud Fork of Island Creek
 DISTRICT Island Creek COUNTY Logan
 QUADRANGLE Chapmanville Holden Et

SURFACE OWNER Georgia-Pacific Corporation ACREAGE 9,053.09
 OIL & GAS ROYALTY OWNER Island Creek Coal Company LEASE ACREAGE 35,053.47
 LEASE NO. 80662

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 4,161' KB

WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Bobby E. Widener
 ADDRESS P.O. Box 391 ADDRESS P.O. Box 379
1619 Ashland, Ky. 41114 Brenton, W.V. 24818

COUNTY NAME
 PERMIT

SEP 11 1992

RECEIVED
WV Division of
Environmental Protection

MAY 13 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 CORP.

Operator Well No.: ICC#D-53-141631

LOCATION: Elevation: 1001.00

Quadrangle: CHAPMANVILLE

District: ISLAND CREEK County: LOGAN
Latitude: 14500 Feet South of 37 Deg. 55 Min. 0 Sec.
Longitude: 11100 Feet West of 82 Deg. 2 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: 09/11/92
Well work Commenced: 10/18/92
Well work Completed: 04/26/93
Verbal Plugging:
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 4142
Fresh water depths (ft) 90' - 3" stream
Salt water depths (ft) 865' Damp
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 485-488

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
16"	41'	41'	11.8
11-3/4"	387'	387'	274
8-5/8"	1599'	1599'	539
5-1/2"	4137'	4137'	497
1.9" @ 3562' w/R-4 pkr. @ 1798'			
1.9" @ 1735'			

OPEN FLOW DATA

Producing formation Dev. Shale/Berea Pay zone depth (ft) 2342-3614
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 480 psig (surface pressure) after 72 Hours

Second producing formation Big Lime Pay zone depth (ft) 1626-1724
Gas: Initial open flow 0 MCF/d Oil: Initial open flow -- Bbl/d
Final open flow 934 MCF/d Final open flow -- Bbl/d
Time of open flow between initial and final tests 3 Hours
Static rock Pressure 480 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 JM6 For: ASHLAND EXPLORATION, INC.

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

Date: 5/10/93

MAY 24 1993

<u>Formation or Rock Type</u>	<u>Top</u>	<u>Base</u>
Sand and Shale (base Lee Sand)	0	1121
Pennington	1121	1529
Maxton	1356	1412
Little Lime	1529	1581
Big Lime	1581	1811
Borden	1811	2303
Sunbury Shale	2303	2334
Berea	2334	2352
Devonian Shale	2352	4127
Onondaga lime	4127	T.D.

Drillers TD 4142

Loggers TD 4144

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

perf L. Dev. Shale using .39 jets 3/4" HCG SF 1SPF @ 3614, 3611, 3593, 3575, 3572, 3546, 3542, 3535, 3532, 3509, 3505, 3500, 3463, 3450, 3447, 3443, 3420, 3410, 3381, 3351, 3348, 3324, 3321. N₂ frac L. Dev. Shale using 350 gal acid 851,610 scf N₂. BD 3136, ATP 2700, ATR 99,500 scf/min. MTP 3136, ISIP 1200.

perf U. Dev/Berea using 3/4" HCG .39 jets SF 1SPF @ 2904, 2883, 2854, 2851, 2732, 2725, 2666, 2664, 2628, 2588, 2584, 2503, 2500, 2392, 2382, 2375, 2372, 2350, 2344, 2342. N₂ frac U. Dev. Shale/Berea using 600 gals 8% HCl-Fe acid 880,900 scf N₂. BD 2545, ATP 2520, ATR 102,000 scf/min, MTP 2545, ISIP 1000, TF 14 bbls.

perf Big Lime using 4" HCG .41 jets, 2 spf @ 4H/1723' - 1724', 10H/1704' - 1708', 8H/1662' - 1665', 8H/1652' - 1655', 6H/1626' - 1628'. 75Q Foam Frac Big Lime using 1000 gal 15% Fe HCl foamed @ 75Q, 45,300# 20/40 sand & 155,000 Scf N₂ @ 6400 Scf/m. BD @ 1150#, ATP 1000# @ 20 b/m-foam, MTP 1378#, ISIP 1044#, TF 126 bbl.

DF - 461

OFT - 830

7/1/71

045-1192

AUG 26

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

Issued 9/11/92
Expires 9/11/94
2750 CS 288

- 1) (Well Operator: Ashland Exploration, Inc. 2750 CS 288
- 2) Operator's Well Number: Island Creek Coal Co D-53 3) Elevation: 1001
Serial No. 141631
- 4) Well type: (a) Oil___/ or GasX_/
- (b) If Gas: ProductionX_/ Underground Storage___/
Deep___/ ShallowX_/
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 4161 KB feet
- 7) Approximate fresh water strata depths: 320'
- 8) Approximate salt water depths: 770'
- 9) Approximate coal seam depths: No. 2 Gas 50'KB Solid Coal
- 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	39.61	30	30	CTS
Fresh Water						38058/11.3
Coal	11 3/4	H-40	42.0	370	370	CTS
Intermediate	8 5/8	J-55	24.0	1580	1580	38058/11.2 CTS
Production	5 1/2"	J-55	15.5	4160	4160	As Needed
Tubing	1.90"	J-55	2.76	-	4065	38058/11.1 Siphon
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

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

506625-30

AUG 26

1) Date: August 20, 1992
2) Operator's well number
Island Creek Coal Co. #D-53, Serial #141631
3) API Well No: 47 - 045 - 1192
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 General Delivery
Wyoming, WV 24898
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Ofie Helmick
Address P.O. Box 218
Sanrock, WV 24834
Telephone (304)-732-9135

5) (a) Coal Operator:
Name N/A
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 N/A
Address _____

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 _____ on the above named parties; by:
x 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 20th day of August, 1992
Ticki W. South Notary Public
My commission expires Nov. 23, 1994