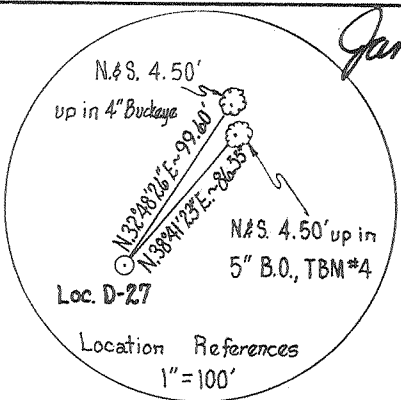


2,560'

LATITUDE 37° 52' 30"

LONGITUDE 82° 50' 00"

Jamie 1/25/91



Huntington Development & Gas Co. (Adverse)

I. C. 5 Altizer & Lawson 1082.62 Ac. F.

Quadrangle

Chapmanville Holden

Island Creek Coal Company WV-486 35,053.47 Ac.

NORTH

2-Marked Beeches

Brush

I. C. 6 Tom Avis 13.20 Ac. M. Claimed by H.D. & G. Co.

G.W. 747 (105)

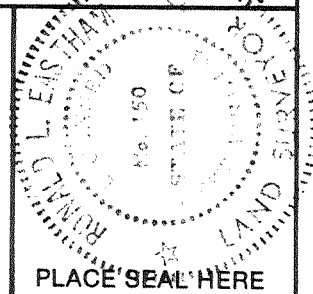
Island Creek Coal Co.
Coordinates for Loc. No. D-27
N. 11,862.0092 ~ W. 19,431.5878

3245 048W Holden, C

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 : 24,065
PROVEN SOURCE OF ELEVATION U.S.C. & G.S. Bench Mark "M-145"; Elev. = 860.504

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 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 Dec. 27, 19 90
OPERATOR'S WELL NO. Island Creek D-27
API WELL NO. 47-045-1154 S.N. 133761
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,008.8 WATERSHED Right Hand Branch of Mud Fork of Island Creek
DISTRICT Island Creek COUNTY Logan
QUADRANGLE Holden

SURFACE OWNER Georgia-Pacific Corporation ACREAGE 1,080.62
OIL & GAS ROYALTY OWNER Island Creek Coal Co. LEASE ACREAGE 35,053.47
LEASE NO. WV-486

PROPOSED WORK: DRILL X 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 FORMATION Devonian Shale ESTIMATED DEPTH 4,179' KB
WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
ADDRESS P.O. Box 391 Ashland, Ky. 41114 ADDRESS P.O. Box 379 Brenton, W.V. 24818

DEEP WELL 6-6 Logan - Holden - Dinwiddie (274)

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: GEORGIA PACIFIC CORP Operator Well No.: D-27-S-133761

LOCATION: Elevation: 1008.80 Quadrangle: HOLDEN

District: ISLAND CREEK County: LOGAN
Latitude: 1820 Feet South of 37 Deg. 52Min. 30 Sec.
Longitude 2560 Feet West of 82 Deg. 5 Min. 0 Sec.

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

Agent: FORREST BURKETT

Inspector: TIM BENNETT
Permit Issued: 02/04/91
Well work Commenced: 4/12/91
Well work Completed: 5/16/91
Verbal Plugging _____
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 4184
Fresh water depths (ft) 70
Salt water depths (ft) 900

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	70'	70'	22
11 3/4"	381'	381'	212
8 5/8"	1643	1643'	478
5 1/2"	4148'	4148'	549
1.9"	3677' w/AD-1 Pkr @ 1935'		
1.9"	1835'		

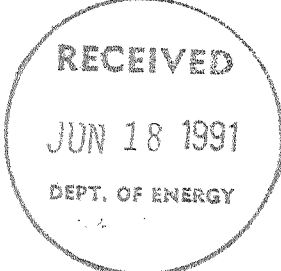
Is coal being mined in area (Y/N)? N
Coal Depths (ft): Solid approx. 150'

OPEN FLOW DATA

Producing formation Big Lime Pay zone depth (ft) 1815-1879
 Gas: Initial open flow 119 MCF/d Oil: Initial open flow _____ Bbl/c
 Final open flow 494/220 MCF/d Final open flow _____ Bbl/c
 Time of open flow between initial and final tests 3 Hours
 Static rock Pressure 550 psig (surface pressure) after 72 Hours

Second producing formation Devonian Shale Pay zone depth (ft) 2587-3699
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow _____ Bbl/c
 Final open flow 1724 MCF/d Final open flow _____ Bbl/c
 Time of open flow between initial and final tests 3 Hours
 Static rock Pressure 470 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. JUN 25 1991
By: Derek S. Hina Derek S. Hina, Engr. Tech II
Date: June 11, 1991

<u>FORMATION</u>	<u>TOP</u>	<u>BASE</u>
Breathitt	0	634
Lee	634	1224
Pennington	1224	1603
Maxton	1449	1484
L. Maxton	1550	1586
Little Lime	1603	1653
Big Lime	1653	1887
Borden	1887	2390
Sunbury Shale	2390	2421
Berea	2421	2440
Devonian Shale	2440	4174
Onondaga	4174	TD

DTD 4184
LTD 4184

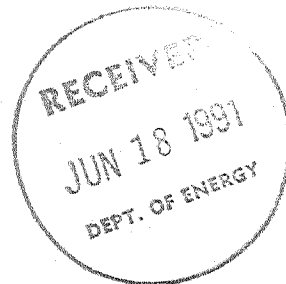
WELL TREATMENT

Perf Huron Shale 21H/3411-3699 - N2 frac using 500 gal 7 1/2% HCl & 806,000 SCF N2 @ 103,000 SCF/min. BD @ 2362#, ATP 3690#, MTP 3850#, ISIP 1762#, 15 min 725#.

Perf Chargrin Shale 20H/2587-2883 - N2 frac using 500 gal 7 1/2% HCl & 807,000 SCF N2 @ 104,126 SCF/min. BD @ 2248#, ATP 3265#, MTP 3285#, ISIP 1375#, 15 min 763#.

Perf Big Lime 12H/1879-1815. Ballout using 1000 gal 15% HCl & 25 balls. Complete ballout @ 3800#. 75 Q foam frac using 20#/Mgal gel system, 30,000# 20/40 sand, 214,000 SCF N2 @ 11,500 SCF/min. BD @ 2844#, ATP 2313# @ 30 B/M foam, MTP 2477#, ISIP 1723#, 15 min 923# (sand ramped 4 to 16#/gal @ blender).

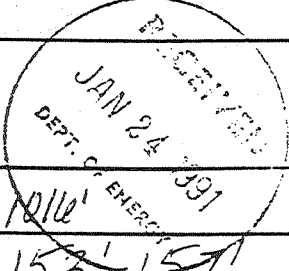
UD 2440
 LH 3450
 J 3775
 A 3900



045-1154
 Issued 02/04/91
 Page 1 of 1
 Expires 02/04/93

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

- 1) Well Operator: Ashland Exploration, Inc. 2750 (5) 401
- 2) Operator's Well Number: D-27, Serial #133761 3) Elevation: 1008.3
 Island Creek Coal
- 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
- 6) Proposed Total Depth: 4179'KB feet
- 7) Approximate fresh water strata depths: 158'KB (Map WV-12)
- 8) Approximate salt water depths: 383'KB (Map WV-12) 948' - 1016'
- 9) Approximate coal seam depths: Not Operated - Solid Coal 153' - 151'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)



CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16	LS	42.0	30	30	CTS
Fresh Water						38CSR14-11.1
Coal						38CSR14-11.2
Intermediate	8 5/8	J55	24.0	1644	1644	CTS W/Lead CI "A" 22% Gel 3% CaCl Tail 100sx CI "A"
Production	5 1/2	J55	15.5	4179	4179	(3%CaCl) As Needed
Tubing	1.9	J55	2.76	-	4129	38CSR18-11.1 Siphon
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

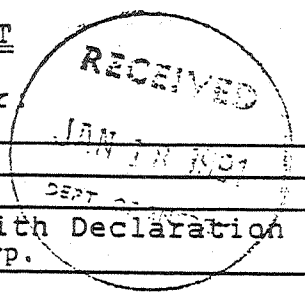
For Division of Oil and Gas Use Only

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

1) Date: January 16, 1991
2) Operator's well number
Island Creek Coal Co. #D-27, Serial #133761
3) API Well No: 47 - 045 - 1154
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
Wyoming, WV 24898
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Tim Bennett
Address Rt. 2 Box 61-B
Chapmanville, WV 25508
Telephone (304)-855-7705

5) (a) Coal Operator
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Island Creek Corp.
Address P.O. Box 840
Holden, WV 25625
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
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
 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)
 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: J. T. Mellinger
Its: Vice President
Address P.O. Box 391
Ashland, KY 41114
Telephone 606-329-5450

J. T. Mellinger J.T.C.

Subscribed and sworn before me this 16th day of January, 1991
 Vicki W. Sants Notary Public
My commission expires November 23, 1994