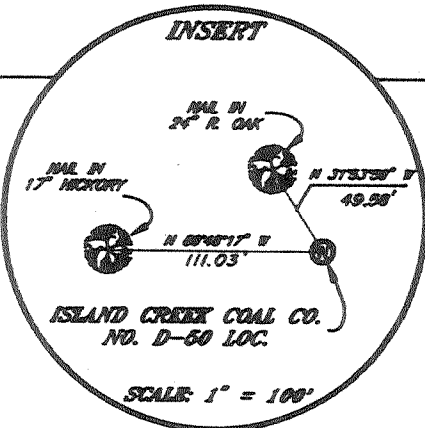
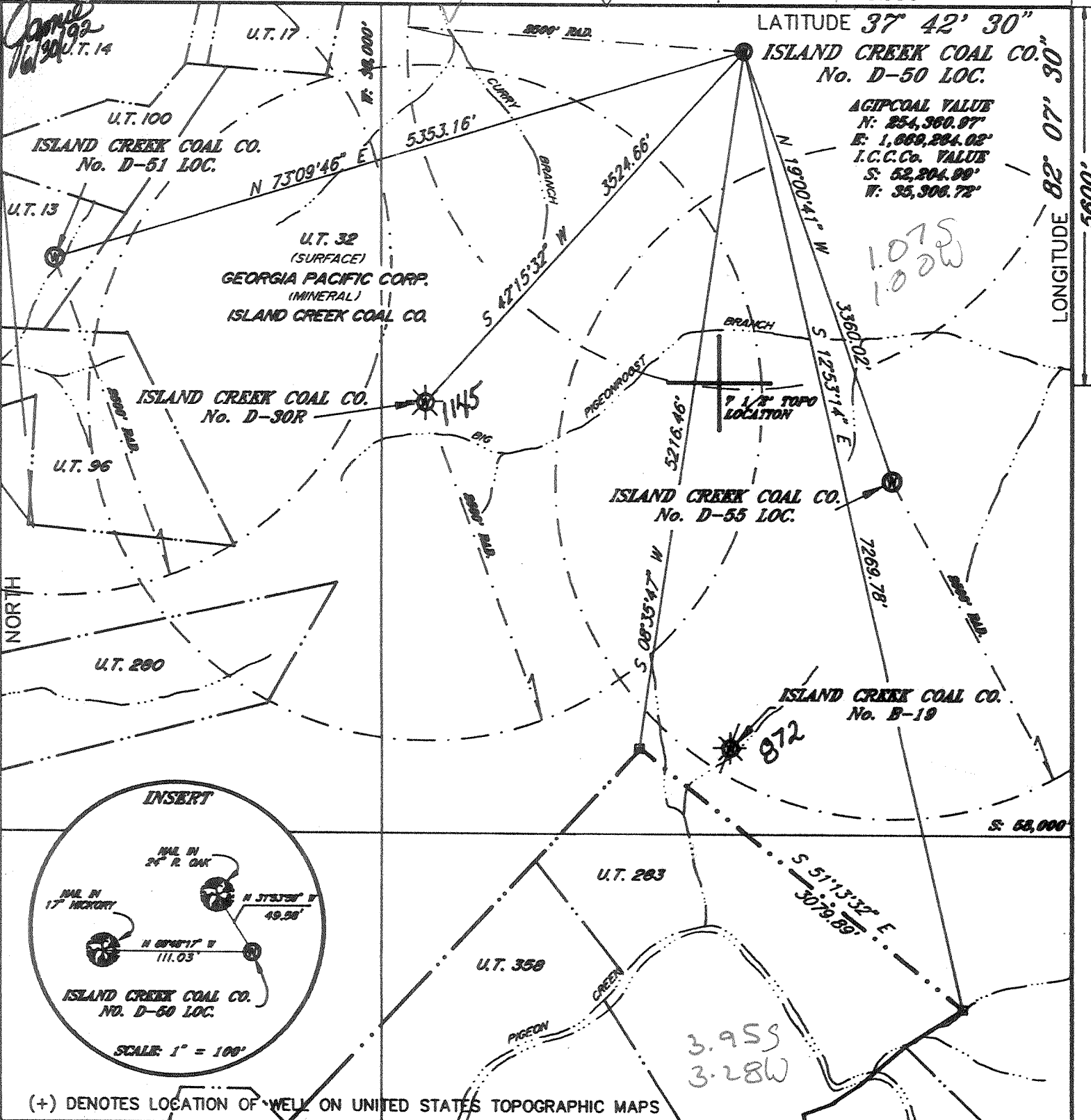


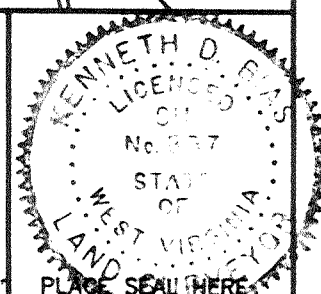
David
10/30/92
U.T. 14



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION AGIPCOAL USA INC.
 STA. 171 ELEV. 1032.49'

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) Kenneth D. Bras
 R.P.E. _____ L.L.S. 837-SU



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE JUNE 9, 1992
 OPERATOR'S WELL NO. ISLAND CREEK COAL CO.
 API WELL NO. D-50, S.N. 140611

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

LOCATION: ELEVATION 1653.57' WATER SHED ROCKHOUSE FORK OF PIGEON CREEK OF TUG FORK RIVER
 DISTRICT LEE 4 COUNTY MINGO
 QUADRANGLE DELBARTON Madewar nc

SURFACE OWNER GEORGIA PACIFIC CORP. U.T. TR. 32 ACREAGE 6,614.90 AC. P/O 25,000 AC.
 OIL & GAS ROYALTY OWNER ISLAND CREEK COAL CO. 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 FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5370'
 WELL OPERATOR ASHLAND EXPLORATION, INC. DESIGNATED AGENT BOBBY E. WIDENER
 ADDRESS P.O. BOX 391 ASHLAND, KY 41114 43 ADDRESS P.O. BOX 379 BRENTON, WV 24818
DEEP WELL 6-6 Magnolia (265)

JUL 2 1992

COUNTY NAME PERMIT

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#D50-S140611

LOCATION: Elevation: 1653.57

Quadrangle: DELBARTON

District: LEE

County: MINGO

Latitude: 5600 Feet South of 37 Deg. 42 Min. 30 Sec.

Longitude: 5230 Feet West of 82 Deg. 7 Min. 30 Sec.

RECEIVED
Office of Oil & Gas
Permitting
OCT 19 92
WV Division of
Environmental Protection

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

Agent: B. E. WIDENER

Inspector: OFIE HELMICK

Permit Issued: 06/29/92
Well work Commenced: 07/27/92
Well work Completed: 10/12/92

Verbal Plugging:
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5390
Fresh water depths (ft) _____
Damp @ 108'
Salt water depths (ft) _____
Damp @ 1823'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 122-125, 811-815,
883-885, 906-910

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
16"	44'	44'	9.4
11 3/4"	1024'	1024'	616
8 5/8"	2838'	2838'	855
5 1/2"	5343'	5343'	643
1.9" @ 1.9" @	5220' KB 2980' KB	w/ R-4pkr @	3030

OPEN FLOW DATA

Producing formation Dev. Shale/Berea Pay zone depth (ft) 3741-5284
Gas: Initial open flow 59 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 615# psig (surface pressure) after 72 Hours

Second producing formation Big Lime Pay zone depth (ft) 2978-2987
Gas: Initial open flow 0 MCF/d Oil: Initial open flow --- Bbl/d
Final open flow 493 MCF/d Final open flow --- Bbl/d
Time of open flow between initial and final tests 3 Hours
Static rock Pressure 615# 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.

For: ASHLAND EXPLORATION, INC.

NOV 6 1992

Reviewed TMG
Recorded _____

By: James L. Stephens James L. Stephens, Eng. Tech.
Date: 10/12/92

205
MCF

<u>Formation on Rock Type</u>	<u>TOP</u>	<u>BASE</u>
Sand and Shale	0	1535
Lee formation	1535	2233
Pennington formation	2233	2829
M. Maxton 2603-2786		
Little Lime	2829	2884
Big Lime	2884	3142
Borden formation	3142	3701
Sunbury Shale	3701	3733
Berea	3733	3785
Devonian Shale	3785	5361
Onondaga Ls	5361	TD

DTD 5390

LTD 5379

11 $\frac{3}{4}$ " and 8" casing was cemented to surface on primary job.

Well Treatment

Perf Rhinestreet - Angola 17H/5166-5284. N₂ frac using 200 gal 7 $\frac{1}{2}$ % fe acid, 807,000 scf N₂ @ 99,600 scf/min. BD @ 3479#, ATP 4177#, MTP 4247# and ISIP 2934#.

Perf L. Huron 23H/4568-4850. N₂ frac using 200 gal 7 $\frac{1}{2}$ % fe acid, 810,000 scf N₂ @ 101,000 scf/min. BD @ 3291#, ATP 3393#, MTP 3407# and ISIP 2279#.

Perf U. Dev. Shale and Berea 23H/3741-4087 N₂ frac using 500 gal 7 $\frac{1}{2}$ % fe acid, 813,000 scf N₂ @ 106,000 scf/min. BD @ 2590#, ATP 3396#, MTP 3696# and ISIP 1418#.

Perf Big Lime 19H/2978-2987. Foam acidize using 65 quality foam 3500 gal 28% 750 gal 17% fe acid and 195,000 scf N₂ @ 5900 scf/min with 15 perf balls. BD @ 3190#, ATP 2700#, MTP 3190# and ISIP 1350#.

RECEIVED
Office of Oil & Gas
Permitting
OCT 19 92
IWM Division of
Environmental Protection

RECEIVED
Office of Oil & Gas
Permitting
OCT 19 92

13821

RECEIVED
FORM WW-2B

059-1168
Issued 6/29/92
Expires 6/29/94
-Page ___ of ___

JUN 1 1 1992

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

- 1) Well Operator: Ashland Exploration, Inc. 2750 (4) 321
- 2) Operator's Well Number: Island Creek Coal Co. # D-50
Serial # 140611 3) Elevation: 1654'
- 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: 5370 feet
- 7) Approximate fresh water strata depths: 135' & 413' KB
- 8) Approximate salt water depths: 1346' KB
- 9) Approximate coal seam depths: Upper Cedar Grove 804' KB, Mined Out Lowest Seam-994' KB
Lower Cedar Grove 824' KB, Mined Out
- 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	36.91	40	40	CTS
Fresh Water						3858/11.3
Coal	11 3/4"	H40	42.0	884	884	3858/11.3
Intermediate	8 5/8"	J55	24.0	2299	2299	CTS
Production	5 1/2"	J55	15.5	5370	5370	AS NEEDED
Tubing	1.9"	J55	2.76	-	5320	3858/11.1 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 Security Agent
 (Type)

RECEIVED

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

JUN 11 1992

- 1) Date: June 9, 1992
- 2) Operator's well number
Island Creek Coal Co. #D-50, Serial # 140611
- 3) API Well No: 47 - 59 - _____
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|--|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Georgia-Pacific</u>
Address <u>General Delivery</u>
<u>Wyoming, WV 24898</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name <u>Island Creek Coal Company</u>
Address <u>P. O. Box 840</u>
<u>Holden, WV 25625</u></p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name <u>Hobet Mining, Inc.</u>
Address <u>P. O. Box 305</u>
<u>Madison, WV 25130</u></p> |
| <p>6) Inspector <u>Ofie Helmick</u>
Address <u>P. O. Box 218</u>
<u>Sanrock, WV 24834</u>
Telephone (304) - <u>732-9135</u></p> | |

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 _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- Y 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*
 Its: Operations Manager
 Address P.O. Box 391
Ashland, KY 41114
 Telephone 606-329-5989

Subscribed and sworn before me this 9 day of June, 1992

Janie Chaffee Notary Public
My commission expires My commission expires November 14, 1993