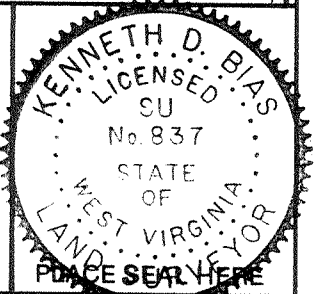


5.345
1.59W
HICK & B. OAK
ON RIDGE @
CALL FOR SAME

(+) 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 STA. "C" OF RED ASH SALES ENG. DEPT. EL. 1793.02

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. Bias
 R.P.E. _____ L.L.S. 837-SU



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



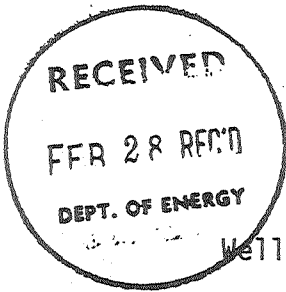
DATE MAY 17, 1991
 OPERATOR'S WELL NO. SIBLEY COAL & COKE
 API WELL NO. NO. A-II S.N. 135171

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1680.54' WATER SHED LONG POLE CREEK-TUG FORK RIVER
 DISTRICT SANDY RIVER 6 COUNTY McDOWELL
 QUADRANGLE GILBERT & 15 SC
 SURFACE OWNER GEORGIA PACIFIC CORP. ACREAGE 2,276.085 AC.
 OIL & GAS ROYALTY OWNER SIBLEY COAL & COKE CO. LEASE ACREAGE 2840
 LEASE NO. 80511
 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 6210'
 WELL OPERATOR ASHLAND EXPLORATION INC. DESIGNATED AGENT FORREST BURKETT
 ADDRESS P.O. BOX 391 ASHLAND, KY. 41114 ADDRESS P.O. BOX 379 BRENTON, WV. 24818

JUN 28 1991

DEEP WELL 6-6 Huff Creek (303)

COUNTY NAME
PERMIT



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

Reviewed TMG
Recorded _____

Well Operator's Report of Well Work

Farm name: Sibley Coal & Coke A-11-S Operator Well No.: A11 S 135171
LOCATION: Elevation: 1680.54 Quadrangle: GILBERT
District: SANDY RIVER County: MCDOWELL
Latitude: 12950 Feet South of 37 Deg. 32 Min. 30 Sec.
Longitude: 8325 Feet West of 81 Deg. 50 Min. 0 Sec.

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

Agent: FORREST BURKETT

Inspector:

Permit Issued: 06/26/91
Well work Commenced: 12/7/91
Well work Completed: 02/12/92
Verbal Plugging: _____
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) 6176
Fresh water depths (ft) _____
Damp at 45'
Salt water depths (ft) _____
None noted

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
16"	44'	44'	17.7
8 5/8"	2028'	2028'	1090
5 1/2"	6144'	6144'	652
1.9" @	5504' KB	w/ Pkr @	4176' KB
1.9" @	4143'		

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 81-83, 243-245, 313-315, 344-348, 440-443, 596-598, 641-643

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 4377-5529
Gas: Initial open flow -0- MCF/d Oil: Initial open flow -0- Bbl/d
Final open flow *493 MCF/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests 3 Hours
Static rock pressure 375# psig (surface pressure) after 72 Hours

Second producing formation Berea/Big Lime Pay zone depth (ft) 3212-4136
Gas: Initial open flow 1800 MCF/d Oil: Initial open flow -0- Bbl/d
Final open flow *1104 MCF/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests 3 Hours
Static rock Pressure 400# 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.

By: James L. Stephens James L. Stephens, Eng. Tech.
Date: 2-27-92

<u>Formation on Rock Type</u>	<u>TOP</u>	<u>BASE</u>
Sand and Shale (Base Lee Fm)	0	2027
Pennington formation	2027	3017
U. Maxton 2263-2439		
M. Maxton 2576-2732		
Little Lime	3017	3097
Big Lime	3097	3529
Borden formation	3529	4085
Weir 3682-3763		
Sunbury Shale	4085	4116
Berea	4116	4149
Devonian Shale	4149	6155
Onondaga Ls	6155	TD
DTD 6176		
LTD 6175		

8 5/8" cmt job CTS on primary job.

Well Completion

Perf L. Dev. Shale 20H/5148-5529. N₂ frac using 500 gal. 7 1/2% fe acid, 807,000 scf N₂ @ 98,000 scf/min. BD 2230#, ATP 3130#, MTP 3150#, ISIP 2000#.

Perf U. Dev. Shale 20H/4124-4136. N₂ frac using 500 gal. 7 1/2% fe acid, 807,000 scf N₂ @ 98,000 scf/min. BD @ 2100, ATP 2220, MTP 2275, ISIP 1900#.

Perf Berea 20H/4124-4136. 75 Quality foam frac Berea using 400 gal. 15% fe inh acid, 82,500 # 20/40 sand and 479,000 scf N₂ @ 9500 scf/min. BD @ 1416#, ATP 1316# @ 20 BPM foam rate, MTP 1613# and ISIP 950#.

Perf Big Lime 17H/3212-3477. Acidize Big Lime using 500 gal. 15% inh fe acid for breakdown, 6000 gal. 28% inh fe acid and 183,000 scf N₂ @ 5400 scf/min. BD @ 989#, ATP 111# @ 5.2 BPM acid rate, MTP 1420#.

*LMC-C
750-891*

*404 4149-5139
Gorden 4409-4413
813 5139-5569
Java 5569-5719
Angla 5719-5929
RS 5929-6119
6119-6419 Snygo F.
- 6769 Genesee
6769- Onondaga*

ORSEPI

047-1128
Issued 06/26/91
Expires 06/26/93
Page 1 of 1

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

- 1) Well Operator: ⁰⁰⁴³ Ashland Exploration, Inc. 2750 (6) 363
Sibley Coal & Coke Co.
- 2) Operator's Well Number: A-11, Serial No. 135171 3) Elevation: 1680.54'
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): ⁹⁴⁴ Devonian Shale
- 6) Proposed Total Depth: 6210' feet
- 7) Approximate fresh water strata depths: 540'KB (Map WV-12)
- 8) Approximate salt water depths: 1300'KB (Map WV-12)
- 9) Approximate coal seam depths: Solid - No Coal Seams Operated
- 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	Fill-up (cu. ft.)
Conductor	16	LS	36.9	30	30	CTS
Fresh Water						38CSR-18-11.2
Coal						38CSR-18-11.2
Intermediate	8 5/8	J55	24.0	1991	1991	CTS 38CSR-18-11.2
Production	5 1/2	J55	15.5	6210	6210	As Needed
Tubing	1.9	J55	2.76	-	6160	Siphon
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

RECEIVED
Division of Energy

JUN 10 1991

For Division of Oil and Gas Use Only

12394

506234

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

1) Date: June 7, 1991
2) Operator's well number
Sibley Coal & Coke Co. #A-11, Serial #135171
3) API Well No: 47 - 047 - 1128
State - County - Permit

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

RECEIVED
Energy
JUN 10 91

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 _____
6) Inspector Tim Bennett
Address Route 2 Box 61-B
Chapmanville, WV 25508
Telephone (304)- 855-7705

5) (a) Coal Operator: Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name Sibley Coal & Coke Company
Address 417 S. Main Street
Bethel, OH 45106
Name _____
Address _____
(c) Coal Lessee with Declaration
Name Red Ash Sales Company, Inc.
Address HCR 60 Box 12
Jaeger, WV 24844

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: W. Mark Parks
Its: Operations Manager
Address P.O. Box 391
Ashland, KY 41114
Telephone 606-329-5989

Subscribed and sworn before me this 7th day of June, 1991

Hicki W. Santa
My commission expires November 23, 1994 Notary Public