

8220

6/24/68 CEN

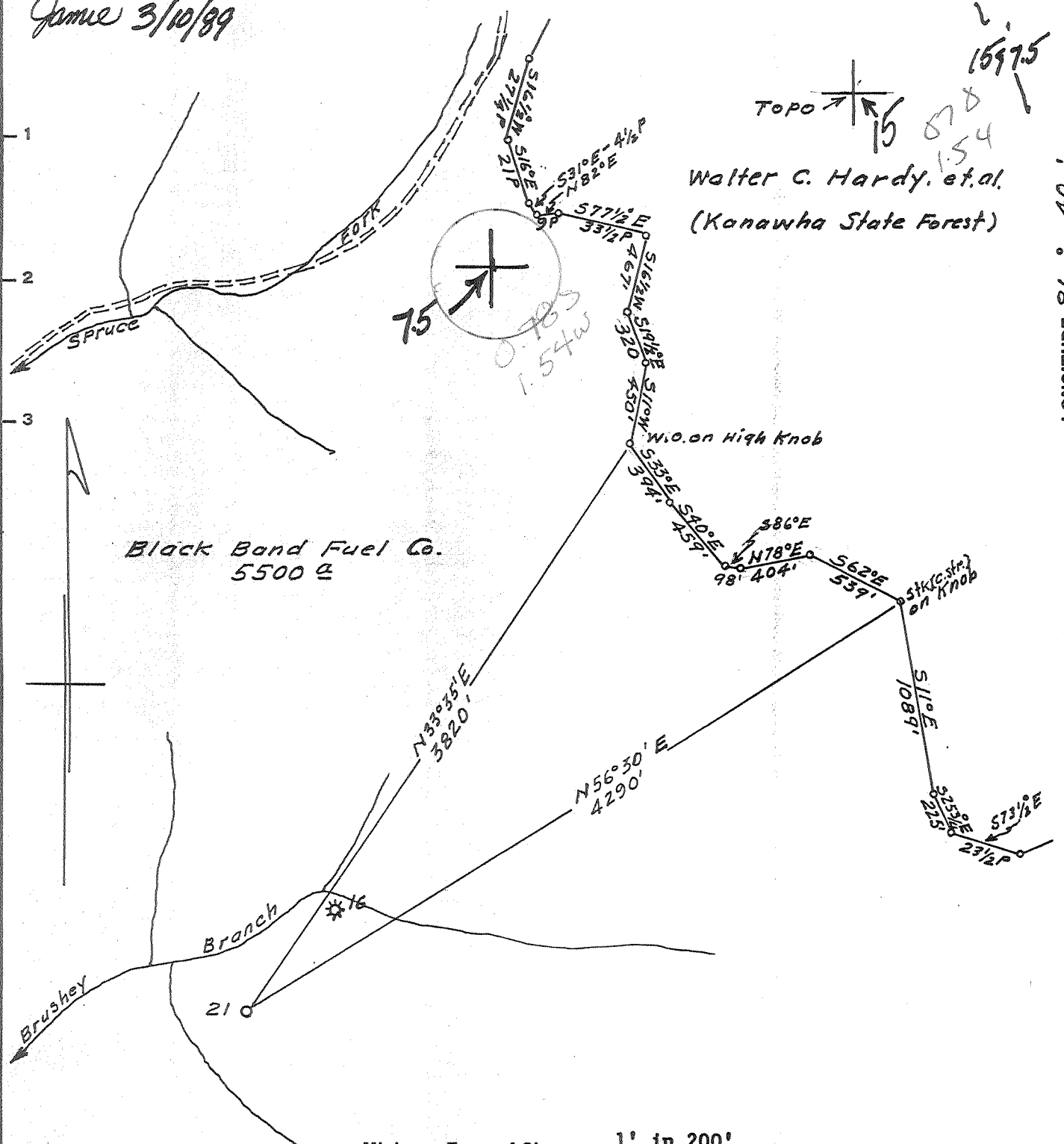
Jamie 3/10/89

LATITUDE 38° 15'



Walter C. Hardy, et al.  
(Kanawha State Forest)

LONGITUDE 81° 40'



Minimum Error of Closure 1' in 200'

Source of Elevation Black Band Fuel Co. Well #16,

Elevation 874.86 ground

Fracture..... - 3-24-89  
New Location.....  
Drill Deeper.....  
Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: A.C. Hilbert

Map No. 122W Squares: N S 81 E W 62

Company PENNZOIL UNITED, INC. 673  
Address P.O. Box 5519 Vienna, W.Va. 26105-5519  
Farm Black Band Fuel Co.  
Tract \_\_\_\_\_ Acres 5500 Lease No. 69966  
Well (Farm) No. 21 Serial No. \_\_\_\_\_  
Elevation (Spirit Level) 944.70 ground  
Quadrangle Peytona 15, Range 7.5  
County Kanawha District Washington 0  
Engineer A.C. Hilbert  
Engineer's Registration No. 2534  
File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
Date June 21, 1968 Scale 1" = 800'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

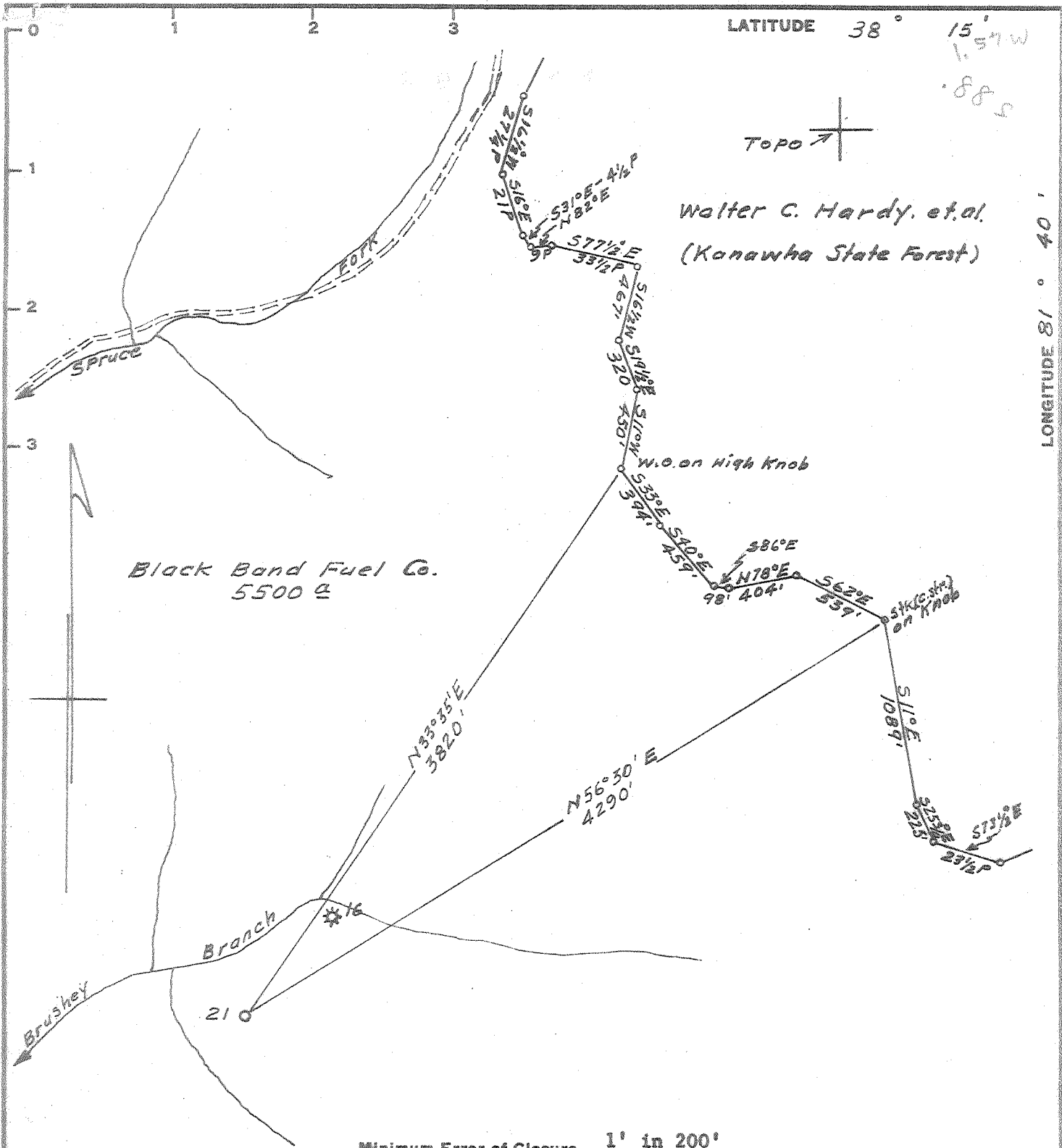
WELL LOCATION MAP

565 FILE NO. KAN-2274 - Frac.  
103 47-039

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

MAR 24 1989



Minimum Error of Closure 1' in 200'

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- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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Signed: A.C. Hilbert

Map No. 122W Squares: N S 81 E W 62

Company	PENNZOIL UNITED, INC.		
Address	P. O. Box 1588, Parkersburg, W. Va.		
Farm	Black Band Fuel Co.		
Tract	Acres 5500	Lease No. 69966	
Well (Farm) No.	21	Serial No.	
Elevation (Spirit Level)	944.70 ground		
Quadrangle	Peytona	NW	
County	Kanawha	District	Washington
Engineer	<u>A.C. Hilbert</u>		
Engineer's Registration No.	2534		
File No.	Drawing No.		
Date	June 21, 1968	Scale	1" = 800'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

**WELL LOCATION MAP**

FILE NO. KAN-2274

† Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle PEYTONA

WELL RECORD

Permit No. KAN-2274

Oil or Gas Well Gas

Gas  
(KIND)

Company PENNZOIL UNITED, INC.  
Address P. O. Box 1588, Parkersburg, West Va.  
Farm Black Band Fuel Co. Acres 5500  
Location (waters) Brushey Branch  
Well No. 21 Elev. 945  
District Washington County Kanawha  
The surface of tract is owned in fee by Dickinson Fuel Co.  
Address P. O. Box 311, Charleston, W. Va.  
Mineral rights are owned by Dickinson Fuel Co.  
Address P. O. Box 311, Charleston, W. Va.  
Drilling commenced July 24, 1968  
Drilling completed August 10, 1968  
Date Shot - From - To -  
With -  
Open Flow - /10ths Water in - Inch  
/10ths Merc. in - Inch  
Volume 150 Mcf Estimated Cu. Ft.  
Rock Pressure 600 lbs. 24 hrs.  
Oil None bbls., 1st 24 hrs.  
WELL ACIDIZED -

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			
13 -3/8"	41.06	41.06	Kind of Packer <u>Guide shoe float collar</u>
10 -8-5/8"	1671.89	1671.89	Formation <u>Packer</u>
8 1/2 -5-1/2"	5289.56	5289.56	Size of <u>8-5/8", 8-5/8"</u>
6 5/8 -2-3/8"	5318.75	5318.75	5-1/2"
5 3/16			Depth set <u>1674.63</u>
3			<u>1640.75, 5292.60</u>
2			Perf. top <u>-</u>
Liners Used			Perf. bottom <u>-</u>
			Perf. top <u>-</u>
			Perf. bottom <u>-</u>

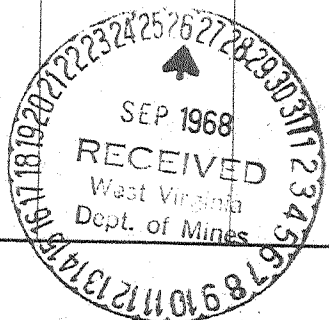
CASING CEMENTED 13-3/8" 42.06 7-24-68  
8-5/8" 1674.63 7-28-68 Date  
Bags used 180 cu. ft. Pozmix (Halliburton)

COAL WAS ENCOUNTERED AT 43-45 FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL FRACTURED 8-16-68 with 10 gal. Morflo, 30 gal. Howco Suds, 1500# WG-6, 500 gals. H.F. Acid, 500# CW-1, 1/2 Gal. Inhibitor, 28,000# Sand 40/60 bulk - Fraced with 3 jet turbines(2515 HHP) and 800 Bbls. of water (Total)  
RESULT AFTER TREATMENT Gas: 500 MCF 500,000  
ROCK PRESSURE AFTER TREATMENT 1715#  
Fresh Water - Feet Salt Water Newburg Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
✓ Kelly Bushing Measurements							
Surface Sand			0	43			
Sand			45	58	Water	45	Small amount
Clay			58	110			
Sand			110	240			
Shells			240	380			
Sand			380	607	5323	5323	
Clay			607	690	945	4650	
Sand			690	895	4378	673	
Clay			895	1030			
Sand			1030	1340			
Lime			1340	1378			
Clay			1378	1384			
Lime			1384	1568			
Red			1568	1577			
Injun			1577	1615			
Clay			1615	2037			
Clay			2037	2041			
Clay			2041	4520			
Cellus Shale			4520	4557			
Indega Lime			4557	4650			
Skany Sand			4650	4663			
Clay			4663	5323			
Burg Sand			5323	5342			
Clay			5342				
Total Depth				5356			

*McKenzie*



(over)

OCT 7 1968

PENNZOIL UNITED, INC.  
 PARKERSBURG, WEST VIRGINIA, DISTRICT - EASTERN DIVISION

COMPANY DRILLING OPERATIONS FOR WEEK ENDING August 10, 19 68

FARM NAME	DISTRICT	COUNTY	STATE	SQUARES	MAP NO.	ELEV.	DEPTH	REMARKS
Cork Unit #1 #1 Kan-2251	Poca	Kanawha	West Virginia	S66 W58	92W	827		Location
Black Bank Fuel Co. #21 Kan-2274	Washington	Kanawha	West Virginia	S81 W62	122W	945	5356	<div style="border: 1px solid black; padding: 5px;">                     Newburg - Preparing to Fract                      Comm. 7-25-68, Comp. 8-10-68                      13-3/8" Casing @ 59                      8-5/8" Casing @ 1695                      5-1/2" Casing 5309-Ground                      Electric Log                      Big Lime 1384-1568                      Injun 1577-1615                      Berea 2037-2041                      Onondaga 4557-4650                      Oriskany 4650-4663                      Newburg 5323-5342                 </div>
Black Band Fuel Co. #22 Kan-2290-Rev.	Washington	Kanawha	West Virginia	S83 W61	122W	1085		Location
Haight-Lambert #13 Rit-164-DD	Murphy	Ritchie	West Virginia	S28 W29	13	1025	1881	Shut Down - Repair Spudder
Lemon, Sarah J. #30-DD. Rit-3279-DD.	Murphy	Ritchie	West Virginia	S27 W30	13	1043		Location

5773  
 4650  
 6773

24

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

- 1) Well Operator: Pennzoil Products Company 37450, 0, 504
- 2) Operator's Well Number: Black Band Fuel No. 21 3) Elevation: 945'
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 5240 feet
- 7) Approximate fresh water strata depths: 45 per well record
- 8) Approximate salt water depths: 380 per well record
- 9) Approximate coal seam depths: 385
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Plug Newburg Sand with cement 5356-5240  
Perf. 5-1/2" csg. at 3925' and cement with 100 sks. Complete Devonian Shale.
- 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	13 3/8	* See existing well record.		41.06'	41.06'	Existing
Fresh Water	8 5/8			1671.89'	1671.89'	Existing
Coal						
Intermediate						3852.18-11.1
Production	5 1/2			5289.56'	5289.56'	Existing
Tubing	2-3/8			5318.75'	5318.75'	Existing
Liners						

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

RECEIVED  
MAR 08 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

01651  
5

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

RECEIVED  
MAR 08 1989

Page 1 of 5  
Form WW2-A  
(09/87)  
File Copy

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: March 3, 1989  
2) Operator's well number  
Black Band Fuel No. 21  
3) API Well No: 47 - 039 - 2274 -PP-FRA  
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 Dickinson Fuel Co.  
Address P.O. box 311  
Charleston, W. Va. 25321  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:  
Name Battle Ridge Coal Co.  
Address 1300 Charleston National Plaza  
Charleston, W. Va. 25321  
(b) Coal Owner(s) with Declaration  
Name Dickinson Fuel co.  
Address P.O. Box 311  
Charleston, W. Va. 25321  
Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Carlos Hively  
Address 223 Pinch Ridge Road  
Elkview, W. Va. 25071  
Telephone (304)-965-6069

(c) Coal Lessee with Declaration  
Name Servco, Inc. c/o Ashland Coal, Inc.  
Address P.O. Box 6100  
Huntington, W. Va. 25770

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 5 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 Benzoni Products Company  
By: Timothy P. Roush  
Its: Supervisor, Surveying/Mapping  
Address P.O. Box 5519  
Vienna, W. Va. 26105-5519  
Telephone 304-422-6565

Subscribed and sworn before me this 3rd day of March, 19 89

Curtis A. Lucas  
My commission expires July 2, 1990 Notary Public