

FILE NO. BK61 P79
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1-200'
 PROVEN SOURCE OF ELEVATION USGS BM at
560 RR E WVA Rt 47 Xing
E.L. 613.00'

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 MINES.
 (SIGNED) C. Y. Yolley Jr.
 R.P.E. _____ L.L.S. 92

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 628.64 WATERSHED TUNNEL RUN
 DISTRICT CLAY COUNTY WOOD
 QUADRANGLE KANAWHA
 SURFACE OWNER WESTVACO CORP. ACREAGE 233
 OIL & GAS ROYALTY OWNER ALBERT WOLFE TRUST LEASE ACREAGE 233
 LEASE NO. _____
 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 OSISKANY ESTIMATED DEPTH 5200
 WELL OPERATOR BIG B DRILLING CO. DESIGNATED AGENT SAME
 ADDRESS P.O. BOX 20 SISSONVILLE ADDRESS _____
WVA 25320

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

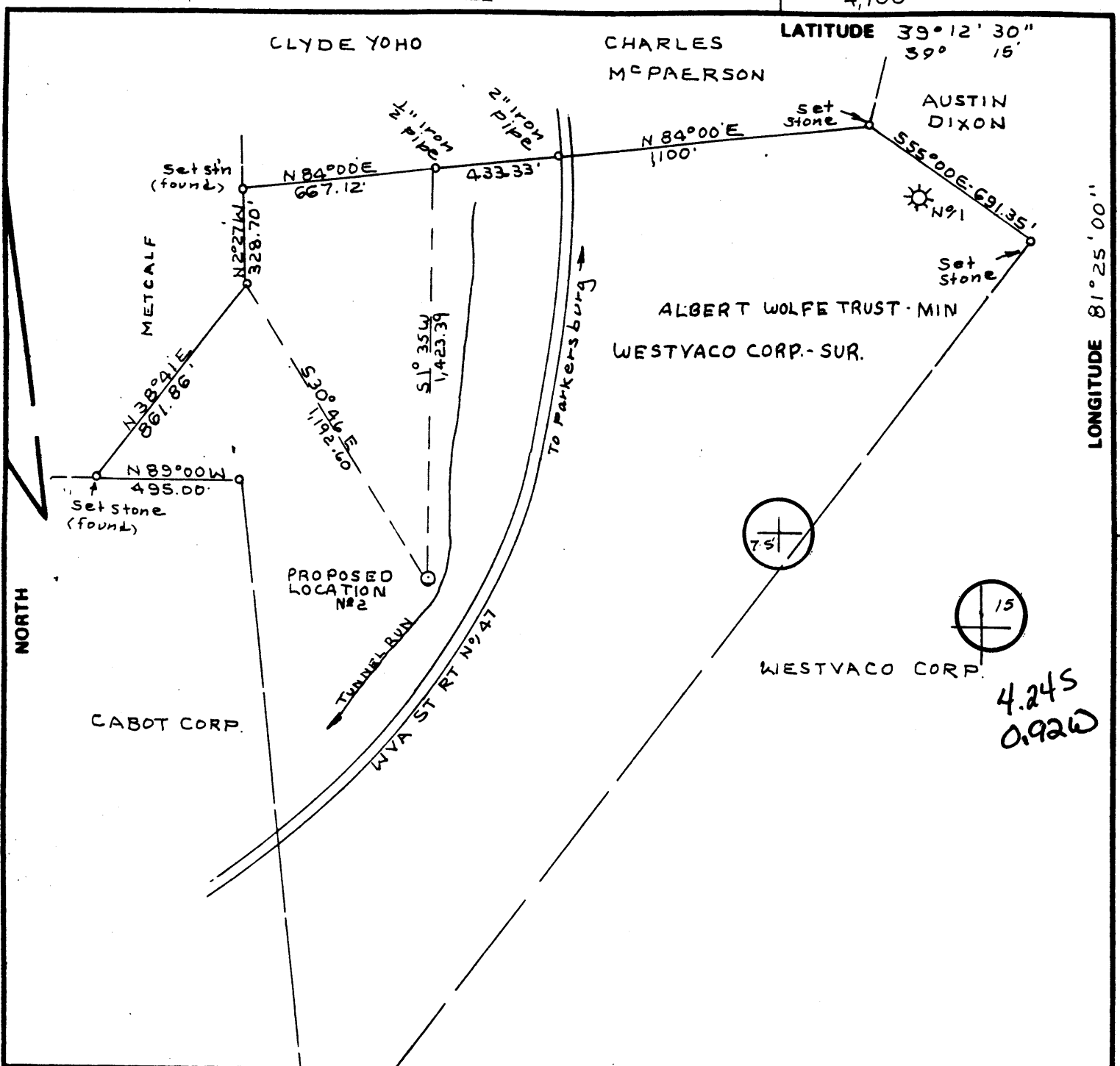
DATE July 14, 1981
 OPERATOR'S WELL NO. 2
 API WELL NO. 47 - 107 - 1155 - Rev.
 STATE COUNTY PERMIT
Cancelled

JAN 28 1985



62 9179 Plat. Card CSD

4,700



FILE NO. BK61 P79
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1-200
 PROVEN SOURCE OF ELEVATION USGS BM at B&O RR E WVA RT 47 Xing E.L. 613.00'

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 MINES.
 (SIGNED) C. Y. Volley Jr.
 R.P.E. _____ L.L.S. 92

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



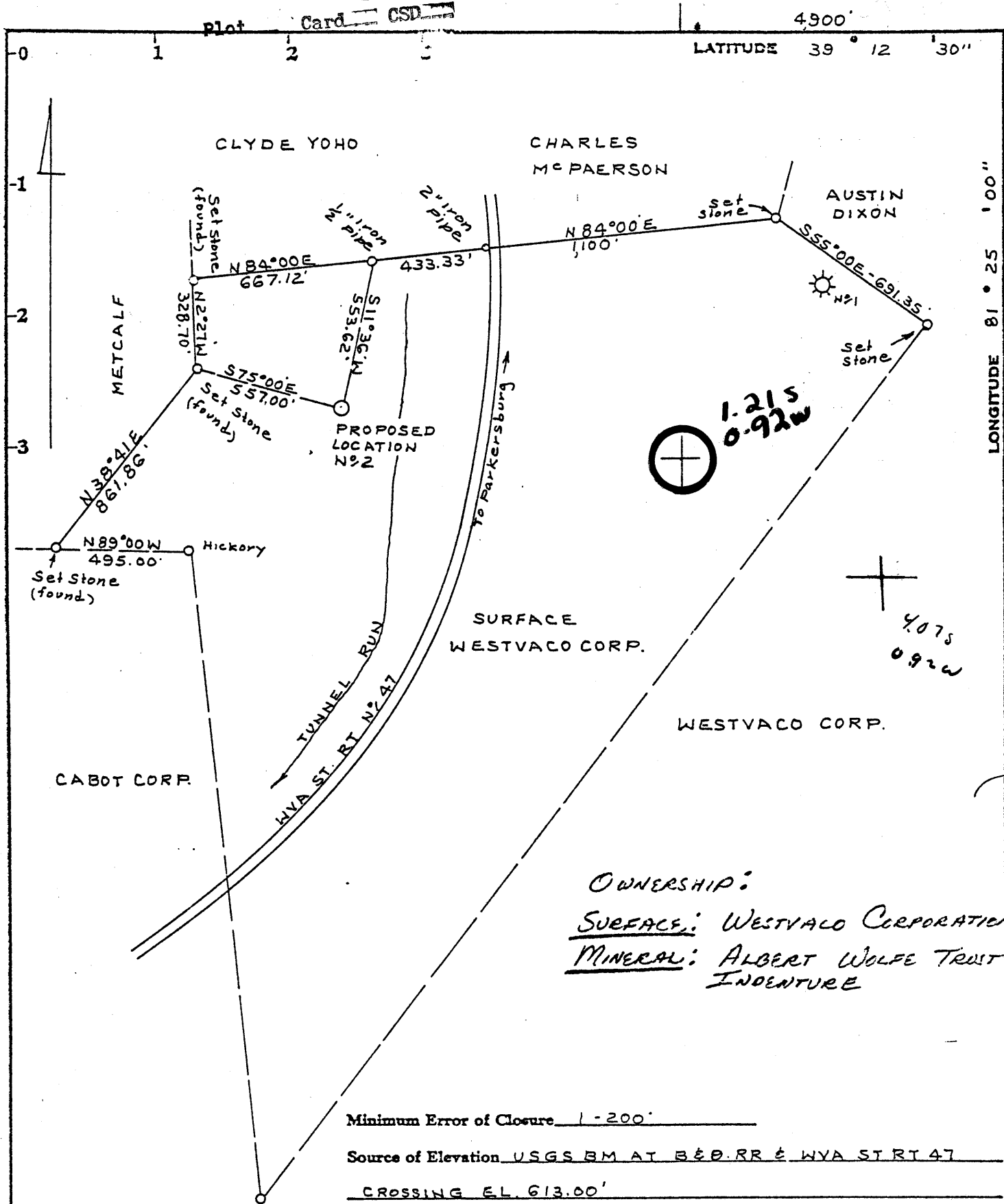
DATE July 14, 1981
 OPERATOR'S WELL NO. 2
 API WELL NO. _____
47 - 107 - 1155 - Rev.
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 628.64 WATERSHED TUNNEL RUN
 DISTRICT CLAY COUNTY WOOD
 QUADRANGLE KANAWHA Eliz. 15' NW
 SURFACE OWNER WESTVACO CORP. ACREAGE 233
 OIL & GAS ROYALTY OWNER ALBERT WOLFE TRUST LEASE ACREAGE 233
 LEASE NO. _____
 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 CLAY ESTIMATED DEPTH 5200
 WELL OPERATOR BIG B DRILLING CO. DESIGNATED AGENT SAME
 ADDRESS P.O. BOX 20 Sissonville ADDRESS _____
WVA 25320

AUG 17 1981



OWNERSHIP:
SURFACE: WESTVACO CORPORATION
MINERAL: ALBERT WOLFE TRUST
 INDENTURE

Minimum Error of Closure 1-200'
 Source of Elevation USGS BM AT B&O RR E WVA ST RT 47
CROSSING EL. 613.00'

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.

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

Signed: C. S. Tolley Jr.
 Squares: N S E W

Map No. _____

Company	<u>BIG "B" DRILLING CO. INC.</u>
Address	<u>PO. BOX 20, SISSONVILLE, WVA. 25320</u>
Farm	<u>ALBERT WOLFE TRUST</u>
Tract	Acres <u>233</u> Lease No. _____
Well (Farm) No	<u>2</u> Serial No. _____
Elevation (Spirit Level)	<u>755.19'</u>
Quadrangle	<u>KANAWHA E112. NW</u>
County	<u>WOOD</u> District <u>CLAY</u>
Surveyor	<u>C. T. TOLLEY JR.</u>
Surveyors Registration No.	<u>92</u>
File No.	<u>BK 53 P83</u> Drawing No. _____
Date	<u>11-3-80</u> Scale <u>1" = 500'</u>

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

WELL LOCATION MAP

FILE NO. 47-107-1155

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

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

MAY 12 1981 Shale



WELL NO. ALBERT WOLFE TRUST INC

FARM _____

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

DATE 7-28, 1981

OIL AND GAS WELL PERMIT

WELL TYPE: Oil _____ Gas
(If "Gas", Production Underground storage _____ Deep Shallow _____)

LOCATION: Elevation: 628.64 Watershed: Tunnel Run
District: Clay County: _____ Quadrangle: _____

WELL OPERATOR Big B Drilling Co DESIGNATED AGENT Same
Address Box 70 Address _____
Seasonville WV 25328

OIL & GAS COAL OPERATOR _____
ROYALTY OWNER Albert Wolfe Trust Inc Address _____
Address 895 1/2 Market St
Parkhurst, WV 26101

ACREAGE _____ COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Westvac Name _____
Address _____ Address No Coal
on property
ACREAGE 2.33 Name _____
Address _____

FIELD SALE (IF MADE) TO:
Address _____
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name _____
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease
_____ other contract _____ dated _____, 19____, to the undersigned well operator from _____
(If said deed, lease, or other contract has been recorded.)
Recorded on 6-9, 1981, in the office of the Clerk of the County Commission of Wood County, West
Virginia, in Deed Book 756 at page 164. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill _____ / Fracture or stimulate _____ /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____
_____ planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to
make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the
Department.
Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to
the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to
the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY
TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMIS-
SION
615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Big B Drilling Co
Well Operator
By [Signature]
Its _____

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, Shale ~~Shale~~ Shale

Estimated depth of completed well, ~~4400~~ ⁵²⁰⁰ feet Rotary _____ / Cable tools _____ /

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor									Kinds
Fresh Water	13					30			
Coal	10					250	250	To Surface	Sizes
Intermediate									
Production	8 7/8					1800	1800		Depths set
Tubing	4 1/3					175-00		as required (pull 150)	
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for revised drilling. This permit shall expire if operations have not commenced by 4-4-82.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____
Its *[Signature]*

Date: 3-16-81
Farm
Name: ALBERT WOLFE TRUST

OIL AND GAS WELL PERMIT APPLICATION

API No. 47-107-1155
State County Perm

WELL TYPE: Oil Gas
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 755.19 Watershed: _____

District: CLAY County: WOOD Quadrangle: KAWAWHA

WELL OPERATOR BIG B DRILLING Co. DESIGNATED AGENT SAME

Address Box 20 Address _____
SISSONVILLE, WV 25320

OIL & GAS ROYALTY OWNER ALBERT WOLFE TRUST COAL OPERATOR NO COAL

Address _____ Address ON PROPERTY

Acreage _____ COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER WESTYACO CORP Name _____

Address _____ Address _____

Acreage 233 Name _____

FIELD SALE (IF MADE) TO: Address OIL & GAS DIVISION

Name _____ Address DEPT. OF MINES

Address _____ COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
Name _____

Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated Nov. 14 1980, to the undersigned well operator from _____ (if said deed, lease or other contract has been recorded:)

Recorded on _____, 19____, in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book _____, at page _____. A permit is requested as follows:

PROPOSED WORK: Drill / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by Department. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS

15 Washington Street, East Charleston, West Virginia 25311

By: Big B Drilling Co., Inc
Ed Beard
Well Operator

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN): _____

Address _____

GEOLOGICAL TARGET FORMATION, SHALE

Estimated depth of completed well, 4000 feet Rotary X Cable tools

Approximate water strata depths: Fresh, feet; salt, feet.

Approximate coal seam depths: Is coal being mined in the area? Yes No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>13</u>					<u>30</u>			
Coal	<u>10</u>					<u>250</u>	<u>250</u>	<u>70 Sacks</u>	Sizes
Intermediate									
Production	<u>8 1/2</u>					<u>1820</u>	<u>1800</u>	<u>30 Sacks</u>	Depths set
Tubing	<u>4 1/2</u>						<u>4000</u>	<u>30 Sacks</u>	
Liners								<u>400 Sks</u>	Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-28-81.

J. J. Murray
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____
Its _____