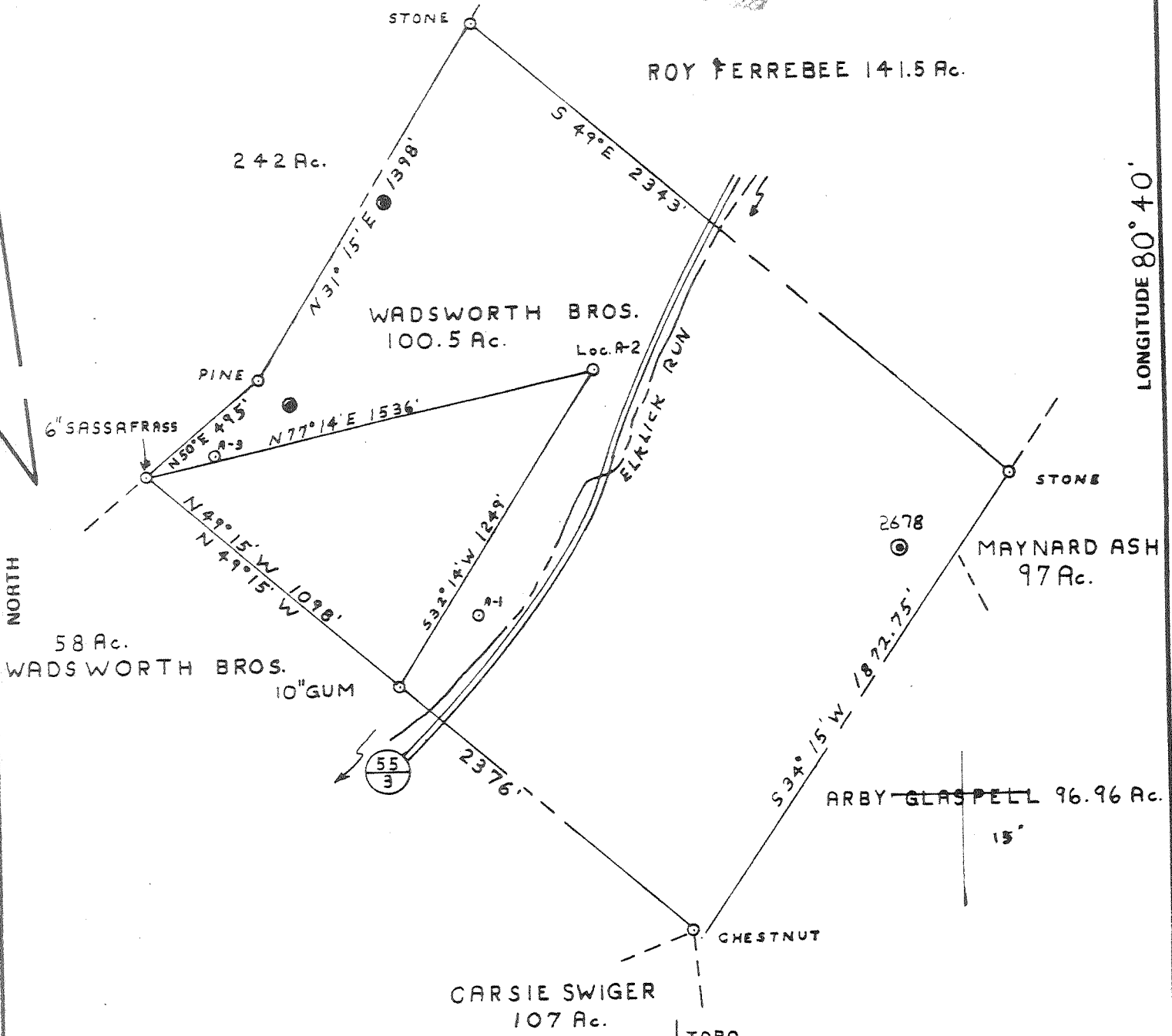


2-30-82

7,110'

LATITUDE 39° 27' 30"
39° 30'

Plot Card CSD



LONGITUDE 80° 40'

14,860'

FILE NO. P.D.C. #3 - P9.66
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. = 747' INT. RT. (23) AND 5 5/8

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) Paul H. Davis, Jr.
 R.P.E. # 1856 L.L.S. _____

PLACE SEAL HERE

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JAN 8, 1982
 OPERATOR'S WELL NO. A-2
 API WELL NO. _____
47 - 017 - 3094
 STATE COUNTY PERMIT

CANCELLED

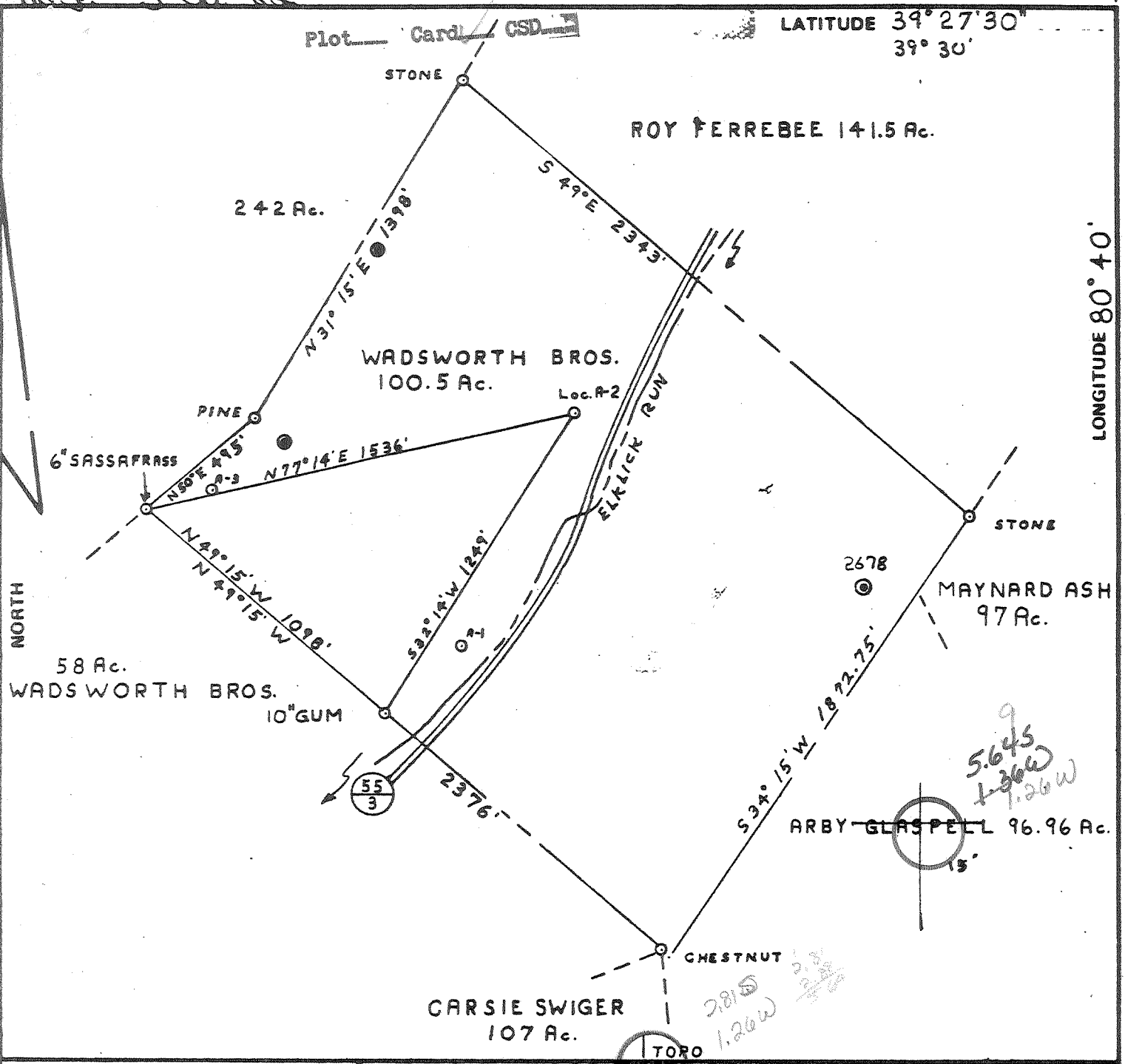
WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS.") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 915' WATER SHED ELCLICK RUN
 DISTRICT McCLELLAN COUNTY DODDRIDGE
 QUADRANGLE CENTER POINT 7 1/2
 SURFACE OWNER WADSWORTH BROS. ACREAGE 100.5 Ac.
 OIL & GAS ROYALTY OWNER MARY M. WELCH LEASE ACREAGE 100.5 Ac.
 LEASE NO. 36401
 PROPOSED WORK: DRILL 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 MARCELLUS SHALE ESTIMATED DEPTH 5700'
 WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT
 ADDRESS P.O. BOX 26 ADDRESS P.O. BOX 26
BRIDGEPORT W.V. BRIDGEPORT W.V.

REC-26 1984

M.S. 3-30-82

7,110'

LATITUDE 39° 27' 30"
39° 30'



LONGITUDE 80° 40'

14,860'

FILE NO. P.D.C. #3- P9 66
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. = 747' INT. RT. (23) AND 5 5/3

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) Paul G. Dearn, Jr.
 R.P.E. # 1856 L.L.S. _____

PLACE SEAL HERE

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



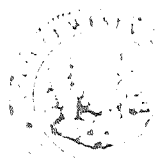
DATE JAN 8, 1982
 OPERATOR'S WELL NO. 8-2
 API WELL NO. _____
47 - 017 - 3094
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS.") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 915' WATER SHEDE ELCLICK RUN
 DISTRICT McCLELLAN COUNTY DODDRIDGE
 QUADRANGLE CENTER POINT 7 1/2 & 15' NW
 SURFACE OWNER WADSWORTH BROS. ACREAGE 100.5 Ac.
 OIL & GAS ROYALTY OWNER MARY M. WELCH LEASE ACREAGE 100.5 Ac.
 LEASE NO. 36401
 PROPOSED WORK: DRILL 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 MARCELLUS SHALE ESTIMATED DEPTH 5700'
 WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT
 ADDRESS P.O. BOX 26 ADDRESS P.O. BOX 26
BRIDGEPORT W.V. BRIDGEPORT W.V.

APR 16 1982



Roll A-2

Book Mary Welch

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Date 02-25-82

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

APPLICANT: Individual Co

PRODUCTION: Surface Deep Shallow

WELL NUMBER: 915 WATERHOLE: Elklick Run
LOCALITY: McClellan COUNTY: Doddridge TOWNSHIP: Center Point 7 1/

OPERATOR: Petroleum Development Corp. ADDRESS: Petroleum Development Cor
P. O. Box 26 Bridgeport, WV 26330
Bridgeport, WV 26330

OWNER: Mary & Belva Welch
20 Meadowcrest Drive
Parkersburg, WV 26101

COAL OPERATOR: _____
ADDRESS: _____

ACREAGE: 100.5
LESSOR: Wadsworth Brothers, Inc.
Alva, WV 26322

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME: Same as oil and gas
ADDRESS: _____

ACREAGE: 100.5

NAME: _____
ADDRESS: _____

WELL MADE TO: Unknown

COAL LESSEE WITH DECLARATION ON RECORD:
NAME: _____
ADDRESS: _____

RECEIVED

MAR 26 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

PERSON(S) TO BE NOTIFIED:
Stephen Casey
Route 2 Box 232-A
Jane Lew, WV 26378
884-7470

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract dated 11-08, 1977.
The undersigned well operator from J. W. McLaughlin

dated on 11-21-77, 19 , in the office of the Clerk of County Commission of

Doddridge County, West Virginia, in 103 District page 168. A plat of

formation was: 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 receipt of this Application by the Dept. 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 Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS COMMERCE COMMISSION
1115 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

PETROLEUM DEVELOPMENT CORPORATION
Well Operator
By: Joseph Mitchell
Its: Area Manager

(Revised 3-81)

PROPOSED WORK ORDER

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

DILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION Marcellus Shale

Estimated depth of completed well 5700 feet. Rotary / Cable tools /
Approximate water strata depths: Fresh, 35 feet; salt, 750 feet.
Approximate coal seam depths: 250
Is coal being mined in this area: Yes / No /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS Kinds
	Size	Grade	Weight per ft	New	Used	For Drill-ling		
Conductor	11 3/4	H-40	42	X		20	20	Circulate
Intermediate	8 5/8	J-55	23#	X		1000	1000	Circulate
Production	4 1/2	J-55	9.5 & 10.5	X		5650	5650	450 sks (15.00ft Rule)
Perforations:								Top Bottom

Regulation 7.02 of the Department of Mine provides that the original and five copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat of the land as prescribed by Regulation 11, (ii) a plat by one of the forms provided by Regulation 15, or by one of the other surveys allowed by Code §22-4-5, (iii) Form IV-3, "Declaration Form" applicable to the declaration required by Code §22-4-12 and Regulation 24, (iv) unless previously paid on the same well, the fee required by Code §22-4-13a, and (v) if applicable, the consent required by Code §22-4-13 from the owner of any other 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,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 12-01-82
BY [Signature]

The following waiver must be completed by the coal operator and by any coal company or landowner 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 location 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 coal operator has complied with all applicable requirements of the West Virginia Code and governing regulations.

_____, 19____
By: _____
Its: _____