

[08-78]

Date: March 12, 1980

Operator's  
Well No. #1 H. Minch

API Well No. 47-069-0030  
State County Permit

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas  /

(If "Gas", Production  / Underground storage  / Deep  / Shallow  /)

LOCATION: Elevation: 1356' Watershed: Weidman Run

District: Liberty County: Ohio Quadrangle: Bethany

WELL OPERATOR Haddad & Brooks, Inc.  
Address 905 Washington Road  
Washington, PA 15301

DESIGNATED AGENT Henry M. Parsons  
Address 121 Glenville Drive  
New Martinsville, WV 26155

OIL & GAS ROYALTY OWNER Herbert P. Minch et ux  
Address RD #2, Box 179  
West Alexander, PA 15376

COAL OPERATOR Windsor Power House Company  
Address Short Creek  
Wheeling, WV 26003

SURFACE OWNER Herbert P. Minch et ux  
Address RD #2, Box 179  
West Alexander, PA 15376  
Acreage 200.00

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Windsor Power House Coal Co. (Pgh. #8)  
Address Short Creek  
Wheeling, WV 26003  
Name Herbert P. Minch (all other coal)  
Address RD #2, Box 179  
West Alexander, PA 15376

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
Name N/A  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Phillip Tracy  
Address Dodge Street  
Middlebourne, WV 26149

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OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated 7-23, 1979, to the undersigned well operator from Herbert P. Minch and Carol Minch

[If said deed, lease, or other contract has been recorded:]

Recorded on 8-16-, 1979, in the office of the Clerk of the County Commission of Ohio County, West Virginia, in Deed Book 591 at page 454. 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.

Haddad and Brooks, Inc.  
Well Operator

BLANKET BOND

By S. L. Brooks  
Its S. L. Brooks, Vice President

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (204) 248-2002







Date: March 12, 1980

Operator's Well No. #1 H. Minch

API Well No. 47 - State County Permit

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

RECLAMATION PLAN

WELL OPERATOR Haddad and Brooks, Inc.  
Address 905 Washington Road  
Washington, PA 15301

DESIGNATED AGENT Henry M. Parsons  
Address 121 Glenville Drive  
New Martinsville, WV 26155

The well operator hereby agrees to carry out the reclamation requirements of Code § 22-4-12b in the manner set out below.

This plan has \_\_\_/ has not \_\_\_/ been reviewed with the district oil and gas inspector.

SKETCH: (Locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), and (6) necessary drainage features, including drains (natural and manmade), silt traps, etc.)



STATEMENT OF RECLAMATION PLAN (Complete on reverse side if necessary)

MINCH #1

The access road from point (1) to point (2) will utilize an overgrown farm road with the permission of the landowner. From point (2) to point (3), the access road will follow the eastern side of the ridge. It will be constructed to maximize natural drainage. Culverts will be added, if needed, upon construction. This road will be cleared of a small amount of underbrush and second-growth trees which leave no commercial value.

The location is cleared and will be cut using the fill to widen the area.

The pit will be on the western side of the location. The bottom will be cut and the sides built from fill. It will be designed to prevent leakage.

(OVER)

HADDAD AND BROOKS, INC.  
Well Operator

By S. L. Brooks  
Its S. L. Brooks, Vice President

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Upon completion, the drilling pit and location will be reclaimed allowing only the necessary area in which to operate the well. The cut area and all used, disturbed areas will be seeded and fertilized as needed.

TRINCH No 1

LOCATION  
FORAGED WELL  
3/2/11





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division

WELL RECORD <sup>20</sup>

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas X \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Bethany 7.5 Minute

Permit No. 47-069-0030

Company <u>Haddad &amp; Brooks</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>905 Washington Rd, Washington, PA</u>				
Farm <u>Herbert Minch</u> Acres _____	Size			
Location (waters) <u>Weidman Run</u>	20-16			
Well No. <u>1</u> Elev. <u>1356'</u>	Cond.			
District <u>Liberty</u> County <u>Ohio</u>	<u>11 3/4"</u>	<u>40'</u>	<u>All</u>	
The surface of tract is owned in fee by <u>above</u>	<u>9 5/8</u>			
Address _____	<u>8 5/8</u>	<u>1108'</u>	<u>All</u>	<u>175 sks Lite 4% Cacl</u>
Mineral rights are owned by <u>above &amp; Windsor Power-</u>	<u>7</u>			<u>50 sks Neat</u>
house Coal Co Address <u>Short Creek, Wheeling, WV</u>	<u>5 1/2</u>			
Drilling Commenced <u>4/6/80</u>	<u>4 1/2</u>	<u>2453'</u>	<u>All</u>	<u>150 sks Thixo-tropic</u>
Drilling Completed <u>4/11/80</u>	<u>3</u>			
Initial open flow <u>0</u> cu. ft. --- bbls.	<u>2</u>			
Final production <u>12M</u> cu. ft. per day --- bbls.	Liners Used			
Well open <u>NA</u> hrs. before test <u>NA</u> RP.				

Attach copy of cementing record.

9/5/80 Perforations - 2257-2333 16 holes Frac with 1214 barrels of water  
15,000# 80/100 mesh sand and 49,000# 20/40 mesh sand, 15 MCF N<sub>2</sub>.

Coal was encountered at Pittsburgh 640 Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 100 Feet \_\_\_\_\_ Salt Water 1545 Feet \_\_\_\_\_  
Producing Sand Welsh Stray, Berea Depth 2255-2284, 2323-2337

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
SH, Slst, SS, Coal	Red, Gy, Wh, Blk.	S-H	0	1509'	SG 800' plus HFW	
SS	WH	S	1509'	1551'	Salt Sand HFW	
SH	Dk Gy- Med Gy.	S	1551'	1633'		
LS	Tan, Wh, Lt Br.	H	1633'	1678'	Greenbrier, Very Fossiliferous	
SS	Wh	S	1678'	1967'	Big Injun	
SH, Slst	Lt Gy- Med Gy.	S-H	1967'	2255'		
Slst	Lt Gy- Med Gy.	H	2255'	2288'	Welsh Stray	
SH	Lt Gy- Med Gy.	S	2288'	2320'		
SS	Lt Gy-Wh.	H	2320'	2337'	Berea	
SH, Slst	Lt Gy- Med Gy.	S-H	2337'	2745'		
Slst	Lt Gy	H	2745'	2758'	Gordon	
SH, Slst	Med Gy- Lt Gy.	S-H	2758'	3269'		
Sndy, Slst		H	3269'	3300'	Warren	

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Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
SH, Slst	Lt-Gy Med Gy.	S-H	3300'	3503' L.T.D.		Plug back T.D. 2455'.

Date October 9, 19 80

APPROVED Haddad & Brooks, Inc. Owner

By Michael A. Haddad



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

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INSPECTOR'S WELL REPORT

Permit No. 69-30

OIL & GAS DIVISION  
DEPT. OF MINES  
(KIND)

Company Halliburton & Brackley Inc.  
 Address Washington Pa.  
 Farm Herbert Minch  
 Well No. 1  
 District Liberty County Ohio  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth 1124  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water 50 + 825- feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Size			Kind of Packer
16			
13			
10			Size of
8 1/4	<u>1108</u>	<u>1108</u>	
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 85% SIZE 1108 No. FT. 4-7-80 Date  
 NAME OF SERVICE COMPANY Halliburton  
225 Sk. Connect.  
 COAL WAS ENCOUNTERED AT 278-282 FEET \_\_\_\_\_ INCHES  
366-369 FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names Union Drilling

Remarks:

April 8, 80  
DATE

D. J. Tracy 572  
DISTRICT WELL INSPECTOR







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OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
July 27, 1984

COMPANY Haddad & Brooks, Inc.  
905 Washington Road  
Washington, Pennsylvania 15301

PERMIT NO 069-0030 (4-1-80)  
FARM & WELL NO Herbert Minch #1  
DIST. & COUNTY Liberty/Ohio

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing	✓	
15.01	Adequate Production Casing	✓	
15.04	Adequate Cement Strenght	✓	
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
16.01	Well Records on Site	✓	
16.02	Well Records Filed	✓	
7.05	Identification Markings	✓	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED R.H. Lowther  
DATE Sept 18, 1984

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

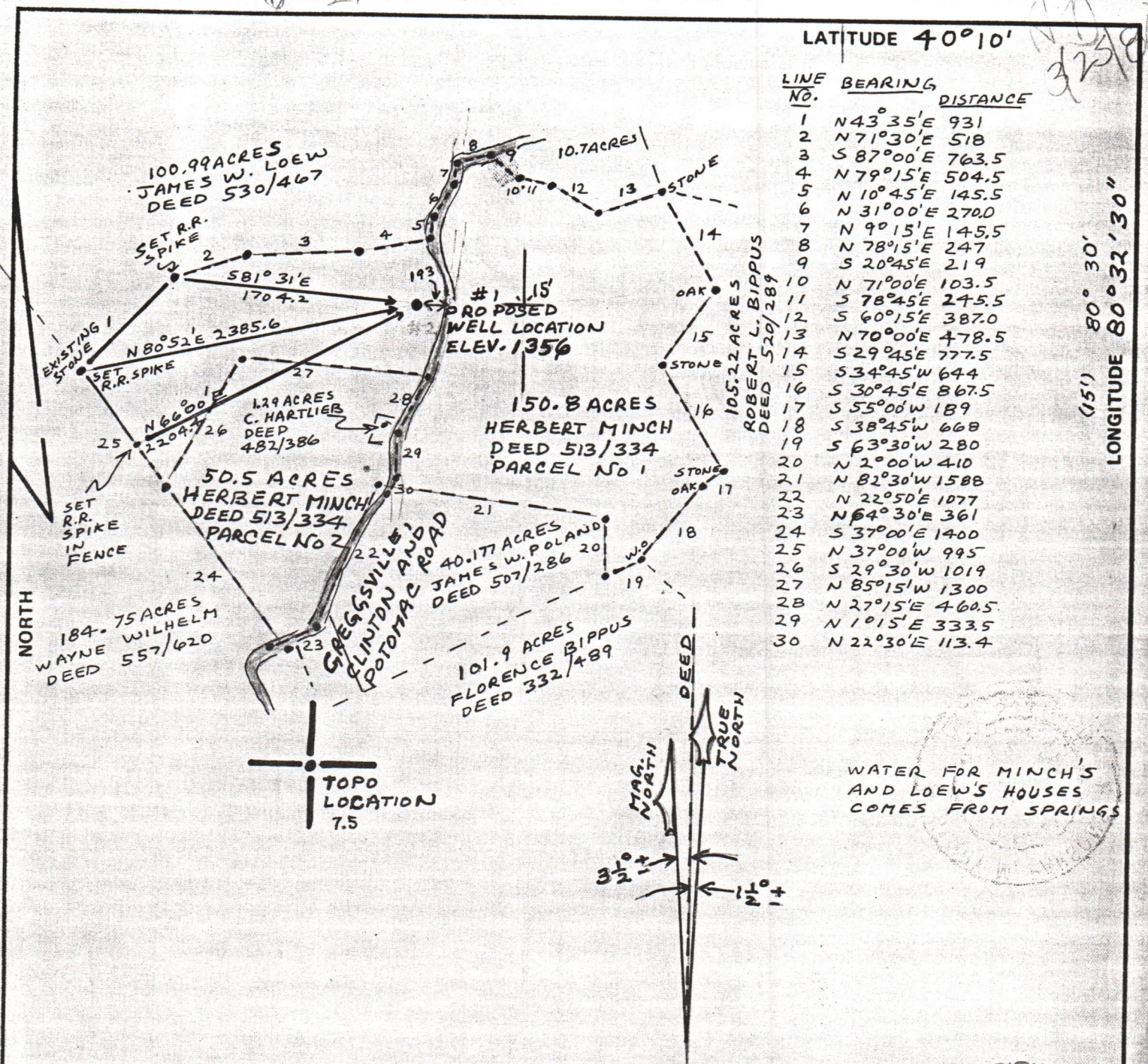
T.H. v. B.B.  
Administrator-Oil & Gas Division

October 9, 1984

TMS/chm

DATE

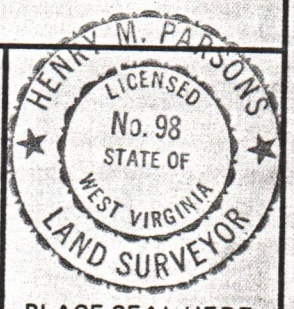




LINE NO.	BEARING	DISTANCE
1	N 43° 35' E	931
2	N 71° 30' E	518
3	S 87° 00' E	763.5
4	N 79° 15' E	504.5
5	N 10° 45' E	145.5
6	N 31° 00' E	270.0
7	N 9° 15' E	145.5
8	N 78° 15' E	247
9	S 20° 45' E	219
10	N 71° 00' E	103.5
11	S 78° 45' E	245.5
12	S 60° 15' E	387.0
13	N 70° 00' E	478.5
14	S 29° 45' E	777.5
15	S 34° 45' W	644
16	S 30° 45' E	867.5
17	S 55° 00' W	189
18	S 38° 45' W	668
19	S 63° 30' W	280
20	N 2° 00' W	410
21	N 82° 30' W	1588
22	N 22° 50' E	1077
23	N 64° 30' E	361
24	S 37° 00' E	1400
25	N 37° 00' W	995
26	S 29° 30' W	1019
27	N 85° 15' W	1300
28	N 27° 15' E	460.5
29	N 101° 5' E	333.5
30	N 22° 30' E	113.4

LONGITUDE 80° 32' 30"

WATER FOR MINCH'S AND LOEW'S HOUSES COMES FROM SPRINGS



FILE NO. 80-5619  
 DRAWING NO. 80-5619-D  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION HILLTOP 1364 AND INTERSECTION 1382 ON BETHANY TOP

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) Henry M. Parsons  
 R.P.E. \_\_\_\_\_ L.L.S. 98

PLACE SEAL HERE

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



DATE MARCH 7, 1980  
 OPERATOR'S WELL NO. MINCH #1  
 API WELL NO. 069-0030  
47 - OHIO -  
 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 X  
 LOCATION: ELEVATION 1356 WATER SHED WEIDMAN RUN  
 DISTRICT LIBERTY COUNTY OHIO  
 QUADRANGLE BETHANY 7.5 WHEELING 15'  
 SURFACE OWNER HERBERT MINCH ACREAGE 200  
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 200  
 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 WARREN ESTIMATED DEPTH 3600  
 WELL OPERATOR HADDAD AND BROOKS INC DESIGNATED AGENT HENRY PARSONS  
 ADDRESS 905 WASHINGTON RD. ADDRESS 121 GLENVILLE DRIVE  
WASHINGTON, PA 15301 NEW MARTINSVILLE, WV 26155