

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

(REQUIRED BY SECTION 2, CHAPTER 86, ACTS 1929)

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS SECTION

To THE DEPARTMENT OF MINES,
Charleston, W. Va.

Roosevelt Coal & Coke Company

COAL OPERATOR OR COAL OWNER

Wilmerding, Pa.

ADDRESS

COAL OPERATOR OR COAL OWNER

ADDRESS

OWNER OF MINERAL RIGHTS

ADDRESS

THE MANUFACTURERS LIGHT & HEAT COMPANY

NAME OF WELL OPERATOR

800 Union Trust Bldg., Pittsburgh, Pa.

COMPLETE ADDRESS

April 19th, 1939

PROPOSED LOCATION

Proctor District

Wetzel County

Well No. 1 - 3581 39° 45' 80° 40'

F. J. Estep, et al Farm

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated.....

May 31st, 1934

made by Frank J. Estep, et al, to

The Manufacturers Light & Heat Company

and recorded on the 7th day

of August, 1934, in the office of the County Clerk for said County in

Book 29-A, page 255

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Act, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address this day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, THE MANUFACTURERS LIGHT & HEAT CO.,

Harry H. Fowler
Land Dept. WELL OPERATOR Office Manager
800 Union Trust Building

STREET

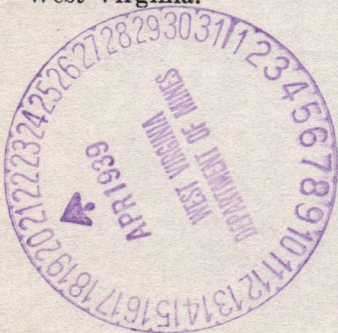
Pittsburgh

CITY OR TOWN

Pennsylvania

STATE

09/22/2023



Address of Well Operator }

*Section 3 If no such objections be filed, or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL
WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS SECTION

To The Department of Mines,
Charleston, W. Va.

Roosevelt Coal & Coke Company

THE MANUFACTURERS LIGHT & HEAT COMPANY

COAL OPERATOR OR COAL OWNER

NAME OF WELL OPERATOR

Wilmerding, Pa.

ADDRESS

800 Union Trust Bldg., Pittsburgh, Pa.

COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER

PROPOSED LOCATION

April 1934

1934

ADDRESS

Proctor

District

OWNER OF MINERAL RIGHTS

Wetzel

County

Well No. 1 - 3581

80° 40' 42"

ADDRESS

F. J. Batey, et al

Farm

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas having fee title thereto (or as the case may be) under grant or lease dated

May 24, 1934

made by Frank J. Batey, et al

to

The Manufacturers Light & Heat Company

and recorded on the 7th day

August, 1934

of _____ in the office of the County Clerk for said County in

Book 29-A page 255

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points or land marks.

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The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Act, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines must be received by or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)
Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above

named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, THE MANUFACTURERS LIGHT & HEAT CO.

Land Dept., WELL OPERATOR Office Manager

800 Union Trust Building

STREET

Pittsburgh

CITY OR TOWN

Pennsylvania

STATE

Address of Well Operator



09/22/2023

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A-10

May 1, 1939

The Manufacturers Light & Heat Co.
800 Union Trust Building
Pittsburgh, Pennsylvania

Gentlemen:

Permit Wet-224 to drill Well No. 1-3681,
on the F. J. Hestep et al Farm, Proctor District,
Wetzel County, is enclosed.

Duplicate permit shall be posted on the rig.

Very truly yours,

Secretary
OIL AND GAS DIVISION

MG/ar
enc-2

Lat39d-45'
Long80d-40'

09/22/2023

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime		Hard	900	915			
Red Rock		Soft	915	925			
Lime		Hard	925	972			
Red Rock		Soft	972	978			
Lime		Hard	978	1015			
Slate		Hard	1015	1025			
Lime		Broken	1025	1055			
Slate		Soft	1055	1065			
Lime		Hard	1065	1100			
Mapletown Coal		Soft	1100	1103			
Lime		Hard	1103	1135			
Slate		Soft	1135	1150			
Lime		Hard	1150	1159			
Slate		Soft	1159	1183			
Lime		Hard	1184	1199			
Pittsburgh Coal		Soft	1199	1204			3/4 B. water
Slate		Soft	1204	1240			
Sand		Hard	1240	1250			
Slate		Soft	1250	1282			
Sand		Hard	1282	1298			
Slate		Soft	1298	1306			
Sand		Hard	1306	1376	Gas	1324-1329	
Slate		Soft	1376	1387	Water	1350-1376	
Red Rock		Soft	1387	1400			
Slate		Hard	1400	1410			
Red Rock		Soft	1410	1422			Cave 1410-1422
Slate		Hard	1422	1445			
Lime		Hard	1445	1450			
Slate		Soft	1450	1460			Cave 1460-1500
Red Rock		Soft	1460	1520			
Slate		Soft	1520	1685			
Big Dunkard		Hard	1685	1725			
Slate		Soft	1725	1803			
Salt Sand		Hard	1803	1872			
Slate & Lime		Soft	1872	2058	Water	1975-1985	Filled 400' 1 hr 1000' 5 hr.
Sand		Soft	2058	2070			
Sand, Slate, Lime		Hard	2070	2198	Gas	2214-2224	
Maxon Sand		Soft	2198	2198	"	2228-2236	
Total depth				2238			

09/22/2023

Date August 4th, 19 39

APPROVED THE MANUFACTURERS LIGHT & HEAT CO., Owner

By Harry H. Fowler
Land Dept. (Title) Office Mgr.

[Handwritten signature]

B-1

Luttlendon N.W.

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. Wet-224

Oil or Gas Well Gas
(Kind)

Company <u>The Manufacturers Light & Heat Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>800 Union Trust Building, Pittsburgh, Pa.</u>	Size			
Farm <u>F. J. Estep</u> Acres <u>58</u>	16			Kind of Packer
Location (waters)	13			
Well No. <u>3581</u> Elev. <u>1374'</u>	10	<u>510</u>	<u>510</u>	Size of
District <u>Proctor</u> County <u>Wetzel</u>	8 1/4	<u>1725</u>	<u>1725</u>	Depth set
The surface of tract is owned in fee by <u>Frank J Estep</u>	6 5/8	<u>2200</u>	<u>2200</u>	Perf. top
<u>RD 1 - Box 57</u> Address <u>Proctor, W. Va.</u>	5 3/16			Perf. bottom
Mineral rights are owned by <u>The Mfrs Light & Heat Co.,</u>	3			Perf. top
<u>800 Union Trust Bldg.,</u> Address <u>Pittsburgh, Pa.</u>	2			Perf. bottom
Drilling commenced <u>May 26, 1939</u>	Liners Used			
Drilling completed <u>July 17, 1939</u>				
Date shot				
Open Flow <u>12</u> /10ths Water in <u>6 5/8"</u> Inch				
<u>12</u> /10ths Merc. in <u>6 5/8"</u> Inch				
Volume <u>3,585,000</u> Cu. Ft.				
Rock Pressure <u>240</u> lbs. <u>48</u> hrs.				
Oil <u>155</u> bbls., 1st 24 hrs.				
Fresh water <u>1350</u> feet <u>1199</u> feet				
Salt water <u>1350</u> feet <u>1460</u> feet				

CASING CEMENTED..... SIZE..... No. FT..... Date

COAL WAS ENCOUNTERED AT 1100 FEET 36 INCHES

1199 FEET 60 INCHES..... FEET..... INCHES

..... FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Slate		Soft	0	14			
Sand		Hard	14	20			
Slate		Soft	20	70			
Red Rock		Soft	70	78			
Lime		Hard	78	100			
Slate		Soft	100	150			
Gritty Lime		Hard	150	170	Water	155	1/2 B per hr
Slate		Soft	170	235			
Red Rock		Soft	235	245			
Slate		Soft	245	260			
Red Rock		"	260	270			
Lime		Hard	270	278			
Slate		Soft	278	315			
Lime		Hard	315	325			
Slate		Soft	325	372			
Red Rock		"	372	430			
Gritty Lime		Hard	430	450			
Red Rock		Soft	450	456			
Slate		"	456	465			
Red Rock		"	465	485			
Slate		"	485	525			
Gritty Lime		Hard	525	538			
Slate		Soft	538	555			
Lime		Hard	555	567			
Slate		Soft	567	650			
Red Rock		"	650	670			
Slate		"	670	700			
Lime		Hard	700	708			
Slate		Soft	708	720			
Red Rock		"	720	730			
Slate		"	730	740			
Lime		"	740	746			
Slate		"	746	758			
Sand		Sharp	758	764			
Slate		Soft	764	776			
Lime		Hard	776	785			
Sand		"	785	798			
Slate		Soft	798	820			
Lime		Hard	820	828			
Slate		Soft	828	855			
Sand		Hard	860	870			
Slate		Soft	870	900			



09/22/2023

B-3



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Littleton

Storage

WELL RECORD

Permit No. WET-224

Oil or Gas Well Gas
(KIND)

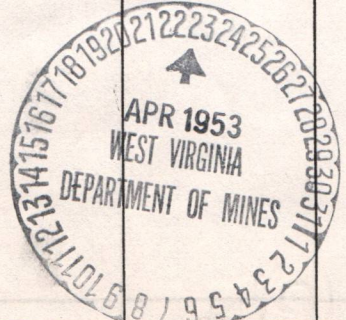
Company THE MANUFACTURERS LIGHT & HEAT COMPANY
 Address 800 Union Trust Bldg., Pgh., Penna.
 Farm Frank Estep Acres 58
 Location (waters) _____
 Well No. 3581 Elev. 1374'
 District Proctor County Wetzel
 The surface of tract is owned in fee by F. J. Estep
 Address _____
 Mineral rights are owned by The Mfrs. Light & Heat Co.
800 Union Trust Bldg., Address Pgh., Penna.
 Drilling commenced October 3, 1952
 Drilling completed November 18, 1952
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ 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			
6 5/8			Depth set
5 3/16			
4 1/2	2226'2"	2226'2"	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

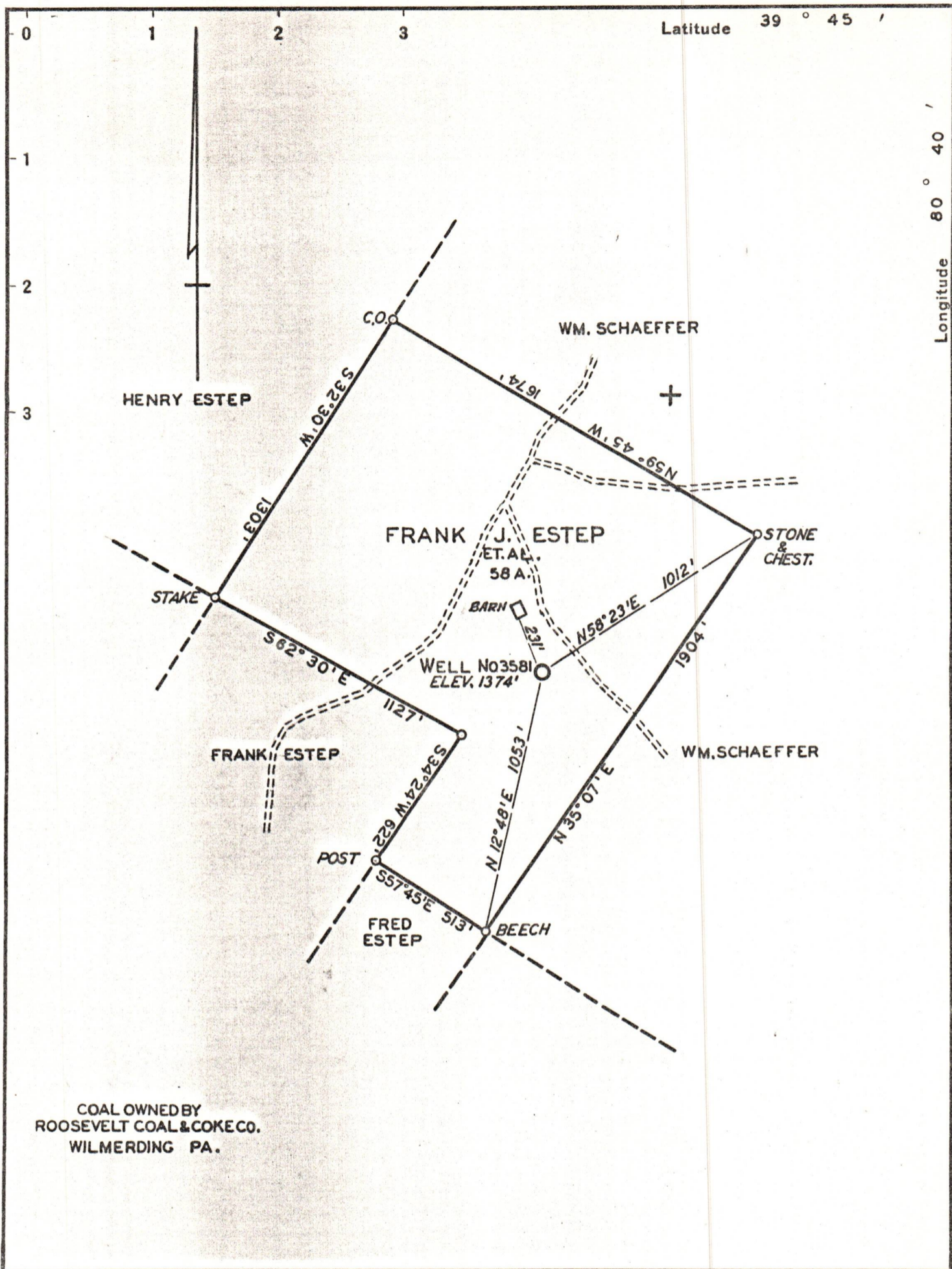
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Drilled to				2247			Schlumberger Measure
Filled with Stone			2247	2241			
Lead Plug			2241	2239			Precision Gun Perforating 1/2" shot
Maxon Sand			2203	2236			at following depth
Gas			2224	2235			
Total Depth				2239			
							4 shots 2168 - 2169
							4 shots 2169 - 2170
							3 shots 2170 - 2171
							5 shots 2171 - 2172
							4 1/2" tubing centralizers set at
							the following depth starting at
							top.
							1 - 28'2"
							2 - 746'9"
							3 - 1289'7"
							4 - 1835'0"
							5 - 2042'4"
							6 - 2123'7"
							7 - 2217'3"

The Manufacturers Light and Heat Company Active Well - - Reconditioned



09/22/2023



Company THE MANUFACTURERS LIGHT & HEAT CO.
 Address 800 UNION TRUST BLDG. PITTSBURGH, PA.
 Farm FRANK J. ESTEP ET AL.
 Tract 1 Acres 58 Lease No. 16970
 Well (Farm) No. 1 Serial No. 3581
 Elevation (Spirit Level) 1374'
 Quadrangle LITTLETON N.W.
 County WETZEL District PROCTOR
 Engineer *Asp Russell*
 Engineer's Registration No. _____
 File No. _____ Drawing No. Y-8 266
 Date APRIL 11, 1939. Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. WET-224 09/22/2023

+ 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.