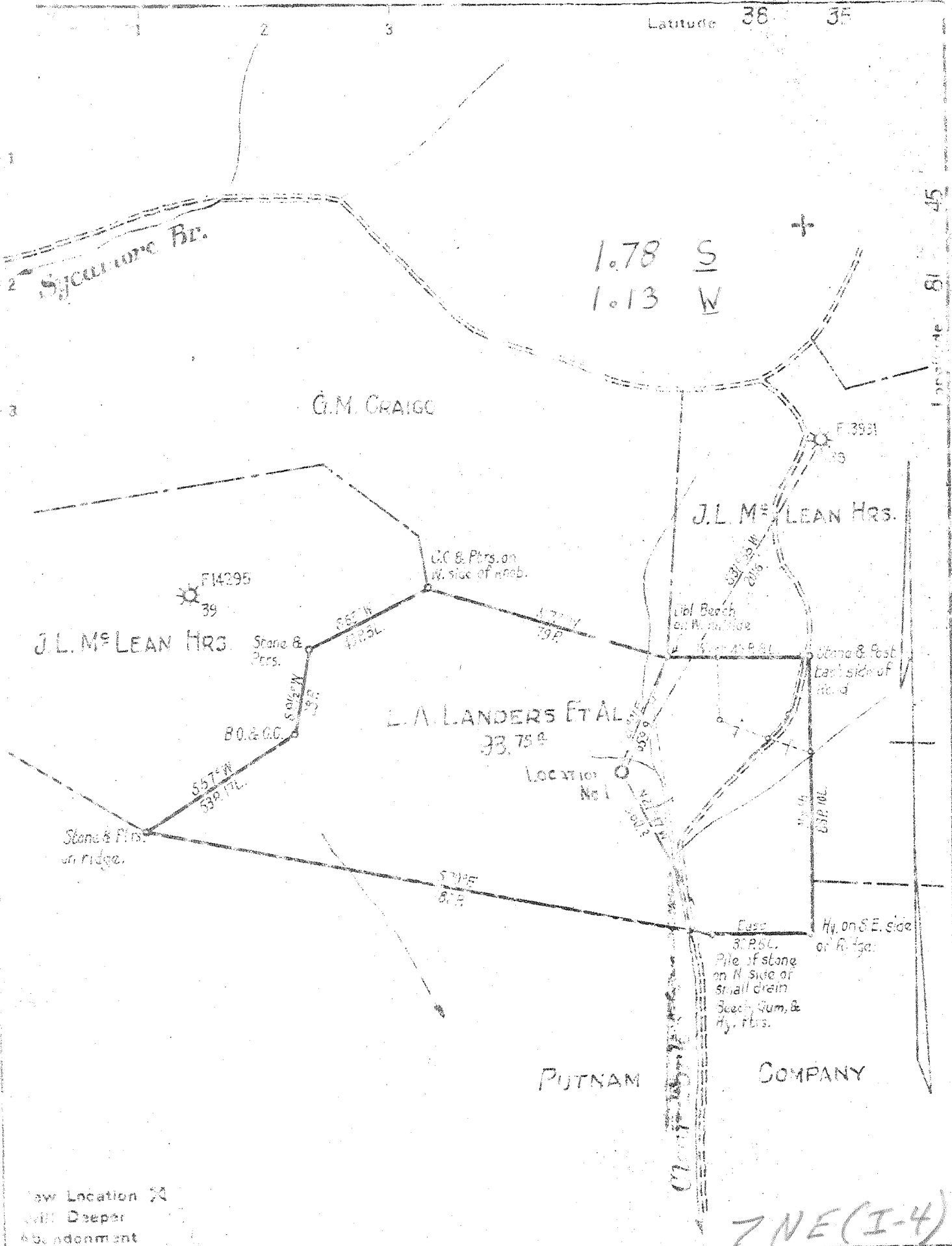


P

Latitude 36 35



Well Location No 1  
 Will Deeper  
 abandonment

7 NE (I-4)

Company COLUMBIAN CARBON COMPANY  
 Address Box 873 CHARLESTON, W. VA.  
 From L.A. LANDERS ET AL  
 Tract \_\_\_\_\_ Acres 93.75 Lease No. 0222  
 Well (Farm) No. 1 Serial No. GW1121  
 Elevation (Spirit Level) 834.3  
 Quadrangle WINFIELD 38. S180 W115-SE  
 County PUTNAM District POCATALICO  
 Engineer C.A. Branham  
 Engineer's Registration No. 683  
 File No. \_\_\_\_\_ Drawing No. W 6/25  
 Date FEB. 22, 1949 Scale 1" = 650'

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

WELL LOCATION MAP  
 FILE NO. PUT-403

+ 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.

SAMPLES aa-A(2413-4919)

Deep Well

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Put 408  
Winfield Quad.  
Company  
Address  
Farm  
Location  
Well No.  
District  
Surface  
Mineral

Columbian Carbon Company  
Box 873, Charleston, 23, W.Va.  
L.A. Landers et al A 93.75  
Clear Fork  
1 GW 1121 Elev. 834.9 G  
Pocatalico Putnam County  
Albert Landers, Liberty, W.Va.  
L.A. Landers Heirs et al  
(for further addresses contact  
C.C.Co.)

Gas Well  
CASING & TUBING

16 42# 16 16  
13 3/8 48# 402 Pld.  
10 1/2 40# 390'8 Pld.  
8 1/2 24# 2086'8 Same  
6 5/8 24# 4879'9 Same  
2 3/8 4# 4900'1 Same  
with 2" cago

Midget B.H. Packer  
Size 6 5/8  
Depth 4841' SLM

Commenced  
Completed  
Not shot  
Open flow  
Volume  
Rock Pressure  
Fresh Water  
Salt Water

10/10ths W in 7" 23#  
1,860,000 C.F.  
1460 lbs. 48 hrs.  
320' 1-16" blr. per hr.  
340' 2-16" blr. per hr.  
1572' H.F.

Coal at 324' 48"

Red Rock	0	15	Brown Shale	3659	3730
Lime Shell	15	20	Slate & Shells	3730	3952
Red Rock	20	35	Brown Shale	3952	4190
Sand	35	60	White Slate	4190	4533
Red Rock	60	65	Slate & Shells	4533	4575
Slate	65	84	Black Shale	4575	4830
Red Rock	84	110	Corniferous Lime 4840-DLM-4841' SLM		
Lime	110	143		4830	4918
Red Rock	143	200	Oriskany Sand 4924'DLM-4919' SLM		
Slate	200	291		4918' SLM	4938
Red Rock	291	316	Total Depth		4938
Sand	316	324	Gas Pays: 4922-38' 34/10 W 7" 2,489 MCF		
Coal	324	328			
Sand	328	360	CEMENT RECORD:		
Slate	360	379	3-22-49 13 3/8" casing ran 10 sacks		
Red Rock	379	392	of aquagel. Circulation and returns.		
Slate	392	409	3-31-49 10 1/2" casing ran 16 sacks of		
Red Rock 399' DLM-397' SLM	409	480	aquagel. Circulation and returns.		
Slate	480	493			
Sand	493	513	5-4-49 8 5/8" casing ran 15 sacks of		
Slate	513	528	aquagel. No returns.		
Red Rock	528	586	6-27-49 6 5/8" casing ran 60 sacks		
Slate	586	676	of aquagel. Floated in 6 5/8" casing.		
Red Rock	676	718	C.C.Co. Crew		
Sand	718	786			
Slate	786	833			
Sand	833	857			
Slate	857	880			
Lime	880	884			
Slate 882 DLM-881 SLM	884	920			
Sand	920	958			
Slate	958	984			
Salt Sand	984	1132			
Slate	1132	1183			
Sand	1183	1225			
Slate	1225	1273			
Gritty Lime	1273	1320			
Slate & Shells	1320	1364			
Sand	1364	1412			
Lime	1412	1475			
Slate & Shells	1475	1504			
Sand	1504	1725			
Slate & Lime	1725	1775			
Big Lime	1775	1981			
Big Injun Sand 2069 DLM-2070 SLM	1981	2085			
Slate & Shells	2085	2435			
Brown Shale	2435	2450			
Berea Grit	2450	2480			
Slate & Shells	2480	3659			

4830  
 835  
 -----  
 3995

4918  
 835  
 -----  
 4083



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES,

Charleston, W. Va.

Henrietta R. Ray

2123 Adams Avenue, Huntington, W. Va.

Eura Lee Ray

Gen. Del. Charleston, W. Va.

Anna S.R. England, Agent

Box 124, W. Norwood, N.J.

Eugene Humphrey, Agent

Route #1, Pocahontas, W. Va.

Lottie Humphrey Kullens, Agent

12th & Payne Ave., Dunbar, W. Va.

Ella Ray Sayre

707 High St., Anderson, Ind.

Columbian Carbon Company

NAME OF WELL OPERATOR

Box 873, Charleston 23, W. Va.

COMPLETE ADDRESS

February 28, 19 49

PROPOSED LOCATION

Pocatalico District

Putnam County

Well No. 1 38° 35'  
81° 45'

L. A. Lenders, et al Farm

GENTLEMEN:

(see reverse side)

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 agreement <sup>agreement</sup> ~~grant or lease~~ dated Jan. 21, 1949, made by Henrietta R. Ray, et al, to Columbian Carbon Company, and recorded on the \_\_\_\_\_ day of \_\_\_\_\_, in the office of the County Clerk for said County in Book \_\_\_\_\_, page \_\_\_\_\_.

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 Code, 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 addresses \_\_\_\_\_, on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

COLUMBIAN CARBON COMPANY

by: O. W. Van Patten, Sup't

WELL OPERATOR

Box 873

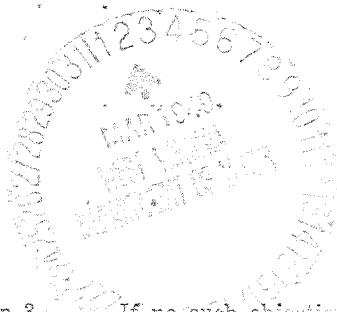
STREET

Charleston 23

CITY OR TOWN

W. Va.

STATE



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.



Ella R. Simmons, Agent  
1104 1<sup>st</sup> Avenue, Charleston, W. V.

Catherine R. Hendrick  
190 Church Street  
Highland Park, Michigan

James Riley  
Nutter Fort, W. V.

Minnie Landers, Agent  
R.F.D. #1, Poca, W. V.

Mary Landers, Agent  
Bancroft, W. V.

Albert Landers  
Liberty, W. V. (surface owner)

J. C. Mitchell  
1522 Quarrier Street  
Charleston, W. V. (coal owner)