

LATITUDE 38° 12' 30"

LONGITUDE 81° 50' 00"



7'5 OGIS topo location

7.5' 10c	<u>1.368</u>	15' 10c	<u>1.245</u>
	<u>1.68W</u>	(calc.)	<u>1.68W</u>

Company _____

Madison NC

Quad JULIAN 7 1/2'

County LINCOLN

District WASHINGTON

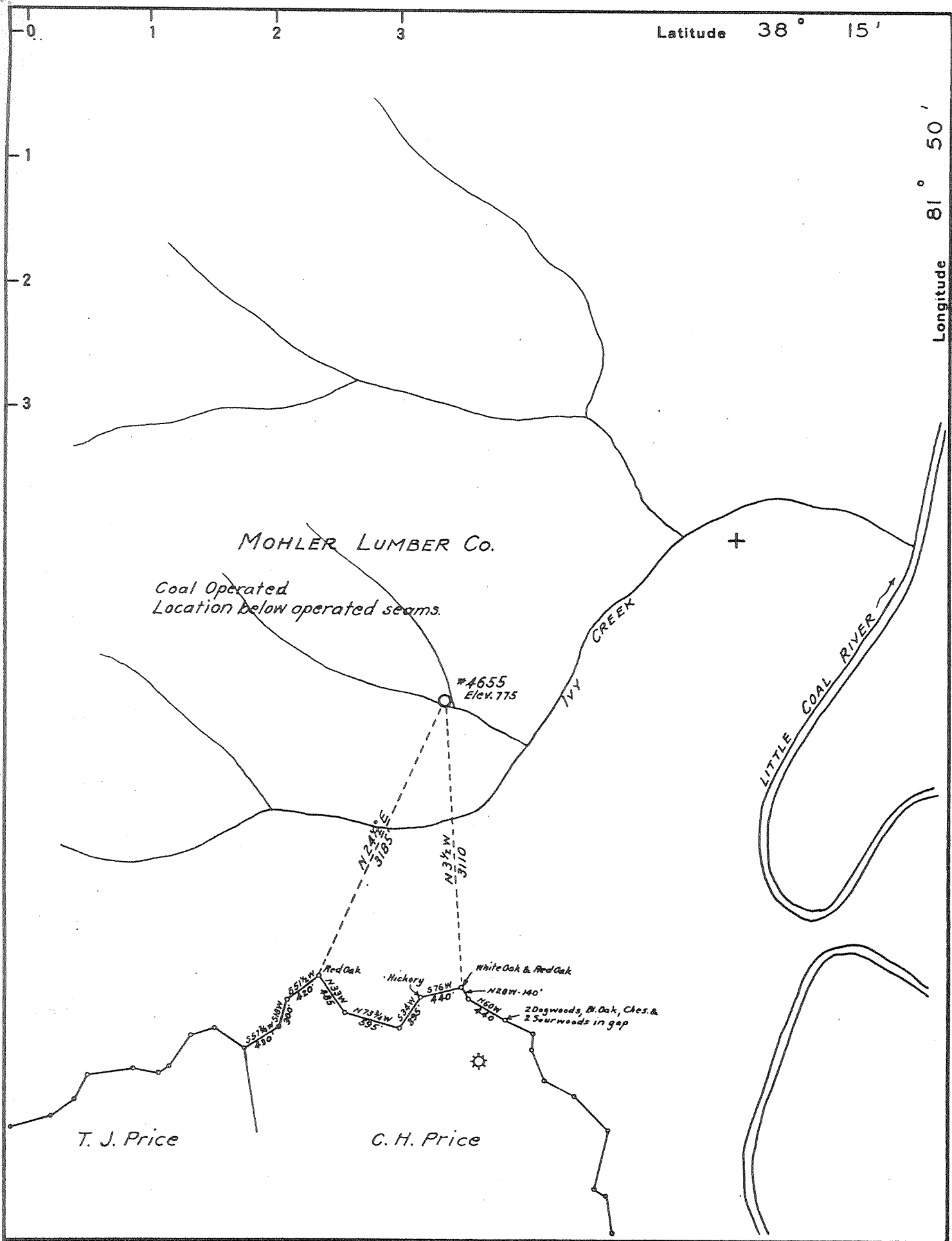
WELL LOCATION MAP

File No. 043-1173

Reep

6-6

(236)



Company UNITED FUEL GAS CO.

Address CHARLESTON, W.VA.

Farm MOHLER LUMBER CO.

Tract Acres 3576 Lease No. 8

Well (Farm) No. 6 Serial No. 4655

Quadrangle MADISON

County KANAWHA

District WASHINGTON

Engineer G. Cunningham

Engineer's Registration No. 659

File No. 50-47 Drawing No. _____

Date MAY 6, 1936 Scale 1" = 1320'

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

WELL LOCATION MAP
FILE NO. LIN-173

+ 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.

Mohler Lumber Company No. 4655 Well.

Washington District, Lincoln County, W. Va.

By United Fuel Gas Company.

Permit No. Lin-173.

Elevation, 739.53' L.

368 M. cu. ft. gas; R. P., 465 lbs.

Located 4.27 mi. S. of 38° 15' and 1.7 mi. W. of 81° 50'—NC—Madison

Quadrangle.

On Cave Lick Fork of Ivy Creek.

1.5 mi. N. W. of Pinnacle; 2.5 mi. S. W. of McCorkle.

	Top.	Bottom.	Thickness.	Elevation (top)
Big Lime -----	1391	1604	213	— 651
Big Injun Sand -----	1604	1635	31	— 864
Berea Sand -----	2086	2107	21	—1346
Corniferous Lime -----	4318	4321	3+	—3578

Thickness, Devonian Shales, 2211 feet.

Total depth, 4321'.

Remarks: Completed Oct. 31, 1936. Shot at 3371-3561' and 2817-3228'.

Water at 10', 618', and 670' (hole full).

56 M. gas at 1630-34'. 95 M. gas at 2087-91'.

116 M. gas at 2826-28'. 157 M. gas at 3221-25'.

178 M. gas at 3378-80'. 190 M. gas at 3553-58'.

LINCOLN 173.

Mohler Lumber Co. No. (4655.)

elevation = 739.53'

Madison ¹⁰ Quad.

38 15

81 50

15' location
E 4.27
W 1.70.

location
different
than shown
on 15' quad map?

6-6

(236)

deep well

Washington District, Lincoln County, W. Va.
 By United Fuel Gas Co., Charleston, W. Va.
 On Benedict Fork of Ivy Branch.

Map Square 18-17.

Commenced Aug. 15, 1936; completed, Oct. 31, 1936.

Elevation, 731.53' L.

Conductor, 1 1/2"; 8 1/2" casing, 1 1/2"; 6 1/2", 1 1/2"; 3" tubing, 2094'.

Water at 10'; water at 615'; 2 boilers per hour; hole full water at 670'.

Flow gas, 1610'.

Gas, 1671-1674', 22/10 W. 1" (56 W.); blow down to 19/10 W. 1" (52 W.)

Gas, 1687-1691', 11/10 W. 2" (95 W.)

Gas, 2026-2028', 6/10 W. 2" (116 W.)

Gas, 3021-3023', 11/10 W. 2" (157 W.)

Gas, 3175-3180', 15/10 W. 2" (178 W.)

Gas, 3303-3304', 16/10 W. 2" (190 W.)

Test before shot, 16/10 W. 2" (190 W.).

Shot Nov. 3, 1936, with 12000 gelatin from 3371-3381'.

Test after shot (18 hrs.), 21/10 W. 2" (223 W.)

2nd shot: Test before shot, 21/10 W. 2" (223 W.)

Shot Nov. 7, 1936, with 20000 gelatin, from 3317-3327'.

Test 15 min. after shot, 32/10 W. 2" (270 W.)

Rock pressure, 465 lbs.

Drilled under permit 18-173.

Gas well. Record to 202 from J. L. Steward, United Fuel Gas Co.,

Charleston, W. Va., April 21, 1943.

Lin # 173

	Top.	Bottom.
Silt	0	20
Sand	20	140
Slate	140	226
Sand	226	235
Coal	235	240
Slate	240	290
Sand	290	291
Coal	291	294
Slate	294	480
Sandy lime	480	503
Slate	503	510
Salt sand	510	556
Slate	556	604
Salt sand	604	705
Slate	705	738
Salt sand	738	805
Lime	805	890
Salt sand	890	914
Slate	914	916
Lime	916	932
Slate	932	944
Lime	944	1008
Slate	1008	1040
Salt sand	1040	1160
Slate	1160	1265
Salt sand	1265	1300
Red rock	1300	1312
Slate and chert	1312	1355
Little lime	1355	1388
Slate Pencil Cave	1388	1391
Big lime	1391	1604

	Top.	Bottom.
✓ <u>Thin light sand, red</u> 375	1641	1645
Slate and shells	1625	1715
lime	1715	1745
✓ <u>Thin sand</u>	1745	1775
Slate and shells	1735	1805
lime	1805	1875
Slate	1875	1910
lime	1910	1935
Slate and shells	1925	2070
✓ <u>Brown shale</u> Coffee	2070	2085
✓ <u>Brown grit</u>	2085	2107
White slate	2107	2117
lime shell	2117	2135
Slate and shells	2135	2190
White slate	2190	2195
Blue slate	2195	2220
lime shell	2220	2226
Blue slate	2226	2265
Brown shale	2265	2275
lime	2275	2285
Blue slate and shells	2285	2270
Brown shale	2270	2273
White slate	2273	2283
Blue slate	2283	2310
Brown shale	2310	2315
✓ <u>Coniferous lime</u>	2315	2321
Total depth		2321

(46)

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. Lin-173

Oil or Gas Well Gas
(Kind)

Company UNITED FUEL GAS COMPANY
Address CHARLESTON, W. VA.
Farm Mohler Lumber Company Acres 3576
Location (waters)
Well No. 4655 Elev. 775'
District Washington County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced August 15, 1936
Drilling completed October 31, 1936
Date shot 11-3-7-36 Depth of shot
Open Flow 21/10ths Water in 2 Inch
/10ths Merc. in Inch
Volume 217,000 Cu. Ft.
Rock Pressure 465 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			
16			Kind of Packer
13			Heeter Hook Wall
10			Size of
8 1/4	426' 3"	426' 3"	3 x 6-5/8"
6 5/8	1462' 7"	1462' 7"	Depth set 2094'
5 3/16			
3		2111' 4"	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED - SIZE - No. FT. Date
COAL WAS ENCOUNTERED AT 335 FEET 60 INCHES
391 FEET 36 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
nd				20			
nd			20	140			
ate			140	326			
nd			326	335			
al			335	340			
ate			340	350			
nd			350	391			
al			391	394			
ate			394	480			
ndy Lime			480	503			
ate			503	540			
lt Sand			540	656			
ate			656	664			
lt Sand			664	795			
ate			795	798			
lt Sand			798	885			
me			885	890			
lt Sand			890	914			
ate			914	916			
me			916	932			
ate			932	944			
me			944	1008			
ate			1008	1040			
lt Sand			1040	1160			
ate			1160	1165			
lt Sand			1165	1200			
d Rock			1200	1212			
ate & Shells			1212	1355			
ttle Lime			1355	1388			
ate			1388	1391			
g Lime			1391	1604			
d Injun			1604	1635	Show Gas	1612'	
. Slate & Shells			1635	1715	Gas	1630-1634	22/10 W 1"
me			1715	1745			
ir Sand			1745	1788			19/10 W 1"
ate & Shells			1788	1865			
me			1865	1876			
ate			1876	1910			
me			1910	1929			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			1929	2070			
Brown Shale			2070	2086			
Berea Grit			2086	2107	Gas	2087-2091	4/10 W 2"
White Slate			2107	2117			
Lime Shell			2117	2138			
Slate & Shells			2138	2390			
White Shale			2390	2495			4/10 W 2"
Blue Slate			2495	2820			
Lime Shell			2820	2826			
Blue Slate			2826	3265	Gas	2826-2828	6/10 W 2"
Brown Shale			3265	3308	Gas	3221-3225	11/10 W 2"
Lime			3308	3328			
Blue Slate & Shells			3328	3570	Gas	3378-3380	14/10 W 2"
Brown Shale			3570	3713	Gas	3552-3558	16/10 W 2"
White Slate			3713	4003			
Blue Slate			4003	4110			
Brown Shale			4110	4318			
C. Lime			4318	4321			
Total Depth				4321			

Date....., 19.....

APPROVED..... UNITED FUEL GAS COMPANY....., Owner

By.....
(Title) Engineer

043-173