

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm J. A. OSBORNE, ET. AL.
 Tract _____ Acres 400 Lease No. 4547
 Well (Farm) No. _____ Serial No. 1428
 Elevation (Spirit Level) 635.00'
 Quadrangle CLENDENIN
 County KANAWHA District BIG SANDY
 Engineer Hubert A. Howell
 Engineer's Registration No. 2529
 File No. 78-69 Drawing No. _____
 Date 4-10-61 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. KAN-1319-A

+ 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.

Y. B. W.
 O. B. V.



9077

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Clendenin

Permit No. - 1319A

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273; Charleston 25, W. Va.
Farm J. A. Osborne Acres 400
Location (waters) Elk River
Well No. 1428 Elev. 635
District Big Sandy County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Knontz Realty Company
Charleston Nat'l. Bank Address Charleston, W. Va.
Drilling commenced 6-8-24
Drilling completed 7-15-24
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure 135 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>Anchor xxx</u>
13			Size of
10			<u>3x5 3/16 x 16</u>
8 3/4	<u>305'</u>		Depth set
6 5/8		<u>1320' 4"</u>	<u>1405</u>
5 3/16			Perf. top
3		<u>1678' 4"</u>	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

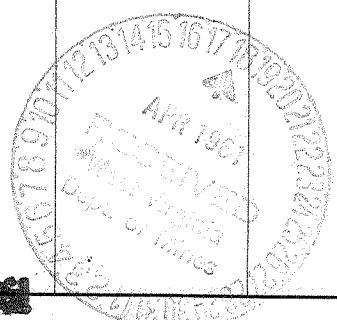
COAL WAS ENCOUNTERED AT 200 FEET 48 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Conductor			-22	22	Lime Gas	1381	- No Test
Sand & Shells			22	200	Injun Gas	1424-1427	45/10 W 2"
Coal			200	204	Weir Gas	1550-1554	58/10 M 3"
Sand & Shells			204	652			
Salt Sand			652	890	Hole Reduced	1385	SL.
Slate			890	900			
Sandy Lime			900	1090			
Maxon Sand			1090	1244			
Little Lime			1244	1281			
Slate			1281	1286			
Sandj & Shells			1286	1296			
Pencil Cave			1296	1299			
Big Lime			1299 SL	1420 SL			
Injun			1420	1450			
Slate & Shells			1450	1510			
Weir Sand			1510 SL	1658 SL			
Slate			1658	1666			
Total Depth			1666' SL				



AUG 2 1961

(over)

J. A. OSBORNE No 1428 - V.F.G. Kan-1319-A

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date April 17, 19 61

APPROVED UNITED FUEL GAS COMPANY, Owner

By *S. K. Tenney*
(Title)

Supt., Civil Engineering Dept.