

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm M. A. OSBORNE
 Tract _____ Acres 123 Lease No. 19341
 Well (Farm) No. 1 Serial No. 1690
 Elevation (Spirit Level) 726.0'
 Quadrangle WALTON
 County KANAWHA District BIG SANDY
 Engineer Seybert Russell
 Engineer's Registration No. 2529
 File No. 78-71 Drawing No. _____
 Date 10-7-54 Scale 1"=400'

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

WELL LOCATION MAP
 FILE NO. KAN-1103-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.

6-6-192

M. A. OSBORNE 16.7 (1690) U. F. G. G. KAN-1103-A



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1955

WELL RECORD

Quadrangle Walton

Permit No. 1103-A

Oil or Gas Well _____ (KIND)

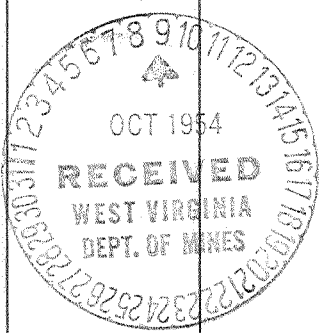
Company UNITED FUEL GAS COMPANY
Address P.O. Box 1273, Charleston 25, W. Va.
Farm M. A. Osborne Acres 123
Location (waters) Big Sandy Creek
Well No. 1690 Elev. 726
District Big Sandy County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Guy G. Osborne % Farmers
& Citizens State Bank Address Clendenin, W. Va.
Drilling commenced 10-26-26
Drilling completed 12-10-26
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
12 /10ths Merc. in 2 Inch
Volume 600,000 Cu. Ft.
Rock Pressure 198 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 150 feet 975' feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Anchor
13			Size of
10			3x5-3/16x16
8 1/4	520'		Depth set
6 5/8		1468'3"	1554'
5 3/16			Perf. top
3		1668'0"	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

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

COAL WAS ENCOUNTERED AT 462 FEET 48 INCHES
____ FEET _____ INCHES FEET _____ INCHES
____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	14	First Water	150	
Slate			14	50	Hole full	975'	
Sand			50	80			
Slate			80	125	Hole reduced	1541'	
Sand			125	150			
Slate			150	252			
Sand			252	409			
Slate			409	462	Injun gas	1577-1582	
Coal			462	466	Gas	1589-1604	
Slate			466	478			
Sand			478	545			
Slate			545	722			
Sand			722	762			
Slate			762	795			
Lime			795	835			
Slate			835	850			
Sand			850	896			
Slate			896	921			
Sand			921	1290			
Red Rock			1290	1292			
Slate			1292	1372			
Sand			1372	1404			
Little Lime			1404	1429			
Cave			1429	1434			
Big Lime			1434	1570			
Big Lime			1570	1609			
Slate			1609	1652			
Total depth			1652				



JAN. 23 1956

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

Date October 4th, 1954

APPROVED UNITED FUEL GAS CO., Owner

By S.R. Ferrell
(Title)

Mgr. Civil Engineering Dept.