



New Location
 Drill Deeper
 Abandonment

Vol. XVI, p. 700

2.25
0.84 W

Company THE OWENS, LIBBEY-OWENS GAS DEPT.
 Address BOX 1375 CHARLESTON, W. VA.
 Farm O.W. MILLS
 Tract _____ Acres 100 Lease No. 635
 Well (Farm) No. ONE Serial No. 625
 Elevation (Spirit Level) 930.7
 Quadrangle WAYNE *NC*
 County WAYNE District UNION
 Engineer T.S. Flannery
 Engineer's Registration No. 269
 Drawing No. _____
 Date OCT. 6, 1941 Scale 1" = 1000 FT.

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

WELL LOCATION MAP
 FILE NO. WAY-261

+ 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

Sample No. 101 Dr. Well

O. W. MILLS NO. 1 (625) WELL.

Union District, Wayne County, W. Va.

By The Owens, Libbey-Owens Gas Department, Charleston, W. Va.

Located 0.84 mi. W. of 82° 20' and 2.29 mi. S. of 38° 15' - NC -
Wayne Quadrangle.

Elevation, 930.7' L.

Permit Way-261.

Drilling commenced Oct. 30, 1941; completed Dec. 13, 1941.

Shot Dec. 12, 1941; depth, 2708-3169'.

Volume, 113,000 cu. ft.; rock pressure, 410 lbs. in 24 hours.

Fresh water, 80, 131'; salt water, 940', hole full.

8 1/2" casing, 665'; 6 3/8", 1391'; 3" tubing, 3161'.

Section based on samples from 1320 to 3476' examined by C. N. Apssouri.

Top. Bottom. Thickness.

Top.	Bottom.	Thickness.	Description
GREENBRIER LIMESTONE, 171 FEET			
1370	1395	25	Limestone, light-brown to nearly white (top Big Lime at 1370' in driller's record)
1395	1403	8	Limestone, greenish-gray, shaly
1403	1453	50	Limestone, light-brown to nearly white
1453	1458	5	Limestone, light-brown, sandy
1458	1472	14	Limestone, light-gray, sandy, oolitic
1472	1490	18	Limestone, light-gray to light-brown
1490	1493	3	Limestone, nearly white, oolitic, slightly sandy
1493	1510	17	Limestone, very light gray, silty
1510	1524	14	Limestone, white, dolomitic
	1541		Bottom of Big Lime in driller's record; no samples, 1524-1566'
MACGRADY AND POCOMO FORMATIONS, 659 FEET			
1566	1572	6	Siltstone, red, 60%; gray shaly siltstone, 40%
1572	1578	6	Siltstone, red
1578	1584	6	Shale, gray, silty, 75%; red siltstone, 25%
1584	1599	15	Shale, and siltstone, gray
1599	1607	8	Sandstone, white, very fine, almost a siltstone
1607	1621	14	Sandstone, white, very fine, silty, containing some large quartz grains
1621	1636	15	Sandstone, white, very fine
1636	2068	432	Shale, gray; also a little siltstone and brown shale
2068	2136	68	Shale and siltstone, gray
2136	2167	31	Shale, very dark gray (Sunbury Shale)
2167	2200	33	Sandstone, light-gray to white, very fine; samples also show much gray shale (Berea Sandstone); top and bottom located from driller's record)
DEVONIAN SHALES, 1275 FEET			
2200	3475	1275	Shale, gray to black; also some siltstone (details of this interval omitted)
HUNTERVILLE CHERT? (CORNIFEROUS), 2+ FEET			
3475	3476	1	Limestone, dark brownish gray, pyritic
	3477		Total depth

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

Permit No. Way-261

Company The Owens, Libbey-Owens Gas Dept.
Address P.O. Box 1375, Charleston, W. Va.
Farm O.W. Mills Acres 100
Location Millers Fork
Well No 625 Elev. 931'
District Union Wayne County
Surface O.W. Mills, R#2, Box 94, Wayne, W. Va.
Mineral Same
Commenced October 30, 1941
Completed Dec. 13, 1941
Shot 12-12-1941 Depth 2708-3169-4350# Detonite
Volume B.L. & Injun 6M; Shale 113,000 C.F.
Rock Pressure 410# 24 hrs.
Fresh Water 80°, 131' - 1/2 Bail pr. hr.
Salt Water 940° - Hole Full

Gas Well
Casing & Tubing
8 1/2 665' 665'
6 5/8 1391' 1391'
3 3161' 3161'
PACKER
OWS Comb. Wall & Anchor
3" x 6-5/8" x 16"
Depth set 2195-2201
Perf. Top 2702
Perf. Bot 3138
Coal 290 - 48"
Coal 319 - 36"
Coal 623 - 48"

Clay	Y	S	0	29	Big Lime-Gritty	H(Wh)	1453	1472
Red Rock		S	29	52	Big Lime	Wh	H	1472
Sand	Lt	M	52	93	Big Injun	Dk	H	1541
Slate	Bl	S	93	120	Big Injun	R	M	1549
Slate	Dk	S	120	205	Big Injun	Dk	H	1578
Lime	Gr	H	205	220	Big Injun	Gr	H	1607
Slate	Dk	S	220	232	Slate	Lt	S	1642
Sand	Wh	M	232	290	Slate	Dk	S	1686
Coal	Bk	S	290	294	Lime	Gr	H	1706
Slate	Lt	S	294	319	Slate	Dk	S	1712
Coal	Bk	S	319	322	Slate	Gr	S	1720
Slate	Dk	S	322	331	Packer Shell	Gr	H	1740
Sand	Wh	H	331	405	Slate	Lt	S	1747
Slate	Dk	S	405	530	Sl.&Shells	Dk	S	1841
Sand	Wh	S	530	565	Shell	Lt	H	1888
Slate	Dk	S	565	576	Slate	Lt	S	1898
Sand	Wh	H	576	587	Shell	Lt	H	1963
Slate	Dk	S	587	623	Slate	Dk	S	1971
Coal	Bk	S	623	627	Slate	Dk	S	1980
Sl.&Shells	Dk	M	627	648	Sl.&Shells	Dk	S	1980
Shell	Lt	H	648	660	Slate	Lt	S	2030
Slate	Lt	S	660	665	Shell	Lt	H	2056
Slate	Dk	S	665	726	Sl.&Shells	Gr	M	2077
Sand	Lt	S	726	759	Sl.&Shells	Dk	S	2091
Sl.&Shells	Lt	S	759	779	Berca	Dk	H	2167
Sand	Lt	S	779	833	Sl.&Shells	Lt	M	2200
Slate	Gr	S	833	878	Sl.&Shells	Lt	M	2270
Sand	Wh	H	878	1252	Sl.&Shells	Dk	M	2356
Slate	Bk	S	1252	1255	Sl.&Shells	Lt	H	2356
Sand	Wh	H	1255	1262	Slate	Lt	S	2393
Lime&Sand	Gr	H	1262	1274	Sl.&Shells	Lt	H	2445
Slate	Gr	S	1274	1286	Slate	Lt	S	2468
Lime Shells	Dk	H	1286	1291	Sl.&Shells	Lt	H	2630
Slate	Gr	S	1291	1301	Slate	Dk	S	2673
Red Rock		S	1301	1306	Slate	Dk	S	2708
Slate	Lt	S	1306	1315	Shale	Br	S	2708
Lime	Wh	H	1315	1324	Shell	Dk	H	2979
Slate	Dk	S	1324	1336	Shale	Br	S	2989
Lime	Gr	H	1336	1341	Slate	Gr	S	3169
Lime	Gr	H	1341	1368	Sl.&Shells	Gr	S	3204
Slate	Gr	S	1368	1370	Slate	Gr	S	3243
Big Lime	Wh	H	1370	1453	Lime Shell	Gr	H	3246
					Sl.&Shells	Gr	S	3253
					Slate	Gr	S	3322
					Shell	Gr	H	3386
					Shale	Br	S	3407
					Corniferous	Dk	H	3476
					TOTAL DEPTH			3477

Gas 1500-1508-84,000 C.F.
Gas 1600-1613-18,000 C.F.
Gas 1636-7,000 C.F.
Oil 1507-Show
Gas 3081-6,000 C.F.
Gas 3179-3,000 C.F.
Gas 3454-4,000 C.F.

731
2545

2157
1377
731