



New Location

Drill Deeper

Abandonment

Company THE OWENS, LIBBEY-OWENS GAS DEPT.

Address BOX 1375 CHARLESTON, W. VA.

Farm FLEM BOOTH

Tract \_\_\_\_\_ Acres 180 Lease No. 696

Well (Farm) No. ONE Serial No. 623

Elevation (Spirit Level) 707.3

Quadrangle GUYANDOT *Well in SW*

County WAYNE District UNION

Engineer T.S. Lawrence

Engineer's Registration No. 269

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date SEPT. 15, 1941 Scale 1" = 1000 FT.

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

WELL LOCATION MAP  
FILE NO. WAY-258

+ 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.

FLEM BOOTH NO. 1 (623) WELL.

Union District, Wayne County, W. Va.

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

Located 4.72 mi. S. of 38° 20' and 0.06 mi. W. of 82° 20' - SW - Guyandot Quadrangle

Elevation, 707.3' L.

Permit Way-258.

Drilling commenced Oct. 22, 1941; completed, Dec. 5, 1941.

Shot Dec. 4, 1941, at 2652-3354'.

Volume, 71,000 cu. ft.

Rock pressure, 590 lbs. in 40 hrs.

Fresh water, 500', 1 bailer per hour; salt water, 1040', hole full.

8 1/2" casing, 475'; 6 3/8", 1966'; 3" tubing, 3323'.

Section based on samples from 1382 to 3041' (with some gaps) examined by ~~W. H. Martin~~  
C. N. Apsouri.

Martens' record from samples.

Top. Bottom. Thickness.

GREENBRIER LIMESTONE, 167 FEET

1375			Top "Big Line" from driller's record
1382 - 1410	28		Limestone, very light brown to white
1410 - 1423	13		Limestone, very light brown, oolitic, and slightly dolomitic
1423 - 1428	5		No sample
1428 - 1436	8		Limestone, white
1436 - 1442	6		Limestone, very light brown, slightly sandy
1442 - 1454	12		Limestone, light-brown to brown, with a few oolites
1454 - 1487	33		Limestone, white, dolomitic
1487 - 1501	14		Limestone, white, partly oolitic
1501 - 1517	16		Limestone, nearly white, oolitic
1517 - 1530	13		Limestone, nearly white to brown, highly dolomitic
1530 - 1535	5		No sample
1535 - 1542	7		Limestone, gray to white, highly dolomitic

POCONO FORMATION, 684 FEET

1542 - 1554	12		Sandstone, nearly white, very fine
1554 - 1588	34		Siltstone, light-gray, very sandy; most of it has a texture about on the border between siltstone and sandstone
1588 - 1595	7		Shale, gray
1595 - 1622	27		Sandstone, light-gray, very fine, with 10 to 20% of coarse rounded sand grains
1622 - 1641	19		Sandstone, light-gray, very fine, grading into siltstone
1641 - 1650	9		Sandstone, light-gray, very fine, 50%; dark-gray shale, 50%
1650 - 1681	31		Sandstone, light-gray, very fine, calcareous; also some shale and siltstone
1681 - 1713	32		Siltstone, gray, shaly
1713 - 1731	18		No sample; recorded as dark shells
1731 - 1756	25		Siltstone and shale, gray
1756 - 1761	5		Shale, gray, silty, 50%; brown, silty, calcareous shale, 50%
1761 - 1934	174		Shale, gray, partly silty
1934 - 2201	265		No sample; recorded as slate and shells
2201 - 2226	25		Recorded as Berea Sand; samples consist mostly of shale and siltstone, with small amount of very fine white sandstone near top of interval (show of oil, 2201')

DEVONIAN SHALES, 1128 FEET

2226 - 3354	1128		Shales and siltstones, gray, dark-gray, and brown (samples to 3041')
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"CORNIFEROUS LIME", 4+ FEET

3354 - 3358	4		Limestone, dark, hard (from driller's record)
3358			Total depth

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

Permit No. Way-258

Company	The Owens, Libbey-Owens Gas Dept.	Gas Well	Casing & Tubing
Address	P.O. Box 1375, Charleston, W. Va.	8 1/2	475 475
Farm	Flem Booth Acres 180	6 5/8	1966 1966
Location	Shoal Branch of Twelvepole	3	3323 3323
Well No	623 Elev. 707 Gr.		
District	Union Wayne County	<u>PACKER</u>	
Surface	Flem Booth, Wayne, W. Va.	OWS	Wall & Anchor
Mineral	Same	Size	-3" x 6 5/8 x 16"
Commenced	Oct. 22, 1941	Depth	2515'
Completed	Dec. 5, 1941	Perf. top	2639
Shot	12-4-1941 Depth 2652--3354	Perf. bot	3300
	with 6700# Detonite		
Volume	71,000 C.F.		
Rock Pressure	590 lbs = 40 hrs.		
Fresh Water	500' - 1 Bail pr. hr.		
Salt Water	1040' - Hole Full		

Gravel	Y	S	0	16	Slate	Dk	S	1971	2028
Slate	Gr	S	16	36	Sl.&Shells	Lt	M	2028	2062
Red Rock		S	36	195	Shells	Gr	H	2062	2097
Slate	Dk	S	195	303	Sl.&Shells	Gr	M	2097	2201
Sand	Gr	S	303	336	Berea Sand	Gr	H	2201	2226
Coal	Bk	S	336	339	Sl.&Shells	Gr	M	2226	2251
Slate	Gr	S	339	359	Slate	Lt	S	2251	2256
Sand	Wh	S	359	392	Shell	Lt	H	2256	2268
Slate	Gr	S	392	475	Sl.&Shells	Lt	S	2268	2286
Sand	Wh	S	475	538	Shell	Lt	H	2286	2296
Slate	Dk	S	538	617	Slate	Gr	S	2296	2321
Sand	Wh	S	617	647	Shell	Lt	H	2321	2329
Slate	Gr	S	647	681	Shale	Br	S	2329	2366
Sand	Wh	S	681	712	Sl.&Shells	Gr	S	2366	2494
Slate	Gr	S	712	762	Shells	Gr	H	2494	2532
Sand	Gr	S	762	807	Sl.&Shells	Gr	S	2532	2613
Slate	Gr	S	807	859	Sl.&Shells	Dk	S	2613	2663
Sand	Lt	S	859	896	Shale	Br	S	2663	2756
Slate	Lt	S	896	958	Sl.&Shells	Gr	S	2756	2782
Sand	Gr	H	958	1024	Shale	Dk	S	2782	2803
Slate	Dk	S	1024	1027	Shale	Br	S	2803	2886
Salt Sand	Wh	S	1027	1310	Shell	Dk	H	2886	2901
Slate	Gr	S	1310	1339	Shale	Br	S	2901	2930
Lime	Gr	H	1339	1362	Shell	Lt	H	2930	2941
Lime	Dk	H	1362	1375	Shale	Br	S	2941	2999
Big Lime	Lt	H	1375	1487	Shale&Shell	Br	S	2999	3031
Big Lime	Wh	H	1487	1535	Shale	Br	S	3031	3102
Sand	Gr	H	1535	1588	Slate	Gr	S	3102	3106
Slate	Dk	S	1588	1595	Sl.&Shells	Gr	S	3106	3141
Sand	Gr	H	1595	1632	Slate	Gr	S	3141	3316
Broken Sand	Gr	M	1632	1641	Shale	Br	S	3316	3346
Sand	Gr	H	1641	1694	Shale	Dk	S	3346	3354
Slate	Gr	S	1694	1713	Corniferous	Dk	H	3354	3358
Shells	Dk	H	1713	1742	TOTAL DEPTH				3358
Sl.&Shells	Gr	S	1742	1756					
Slate	Gr	S	1756	1775	Show Oil			2201'	
Sl.&Shells	Dk	S	1775	1820	Gas			3023' --- 16,000 C.F.	
Slate	Dk	S	1820	1855					
Slate	Gr	S	1855	1911					
Slate	Dk	S	1911	1945					
Slate	Gr	S	1945	1963					
Shell	Dk	H	1963	1971					

3354  
707  
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2647