



Company OWENS LIBBEY-OWENS GAS DEPT.
 Address BOX 4158 CHARLESTON 4, W.VA.
 Farm G.M. BURGESS ET AL
 Tract _____ Acres 450 Lease No. 2574
 Well (Farm) No. 1 Serial No. 897
 Elevation (Spirit Level) 675.29
 Quadrangle GUYANDOT
 County WAYNE District UNION
 Engineer T.S. FLOURNOY
 Engineer's Registration No. 269
 File No. _____ Drawing No. _____
 Date JAN. 25 1954 Scale 1" = 500 FT.

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

WELL LOCATION MAP
FILE NO. WAY-908

+ 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.

Handwritten notes: "250" and "Deep Well" with an arrow pointing to the well location.

O. M. BURGESS ET AL. NO. 1 (897) WELL

Union District, Wayne County, W. Va.
 By Owens, Libbey-Owens Gas Dept., Box 4168, Charleston, W. Va.
 Drilled under permit Way-908; Guyandot quadrangle.
 On 450 acres.
 Elevation 675.29' L.
 Minerals owned by C. W. Ferguson, Wayne, W. Va.
 Drilling commenced 2/18/54; completed 4/30/54.
 Well shot twice; May 4/54, shot failed to go off. May 6, 1954, cleaned out
 hole got shot off. shot 5/4/54 with 4900# detonite from 2459 to 3271'.
 Test before shot, 15 min. after shot 4.1 M; 1 hrs. after shot, 2.2 M;
 Powder failed to explode from 2556' to 3271', set in 100# detonite at
 2558 - didn't set off shot. Top still at 2558' / Before loading hole bailed
 20 gal. oil and 5 gal. water in 89 hrs.
 5/6/54; powder drilled out from 2556' to 2577', loaded back up to 2557'
 with gelatin approximately 130# depth of hole after shot 2564'.
 15 min. after shot 4.1 M; 2 hrs. after shot 2.7 M; 5/10/54; drilled out
 399' of powder from 2790 to 3189/ gas test 3829', 1.2 M. 5/17/54; to
 5/22/54; cleaned out to 3267. 5/24/59, shot from 2460 to 3267' with
 4,866 lbs. Detonite. Test 3 hrs. 35 mcf. hole bridged at 2668'. cleaned
 out for 4 days and made only 14 feet. present depth 2675'. Decided to
 plug 5/28/54, last test of gas 18 mcf.
 water 100' (can't bail dry); salt water 940' (hole filling up).
 Ran 7" casing on shoe at 1282'. casing filled to shut off water.
 Ran 7" casing on shoe at 1306'; water at 1500', 3 1/2 blrs. in 5 1/2 hrs.
 Test after weekend - 22 bailers in approximately 60 hrs. 3/29/54 - ran
 5 1/2" casing on shoe at 1602'. oil 2072 to 2077' strong show. shut
 down at 1895' to test oil - 10 gal. oil in 26 hrs. oil show, 3197';
 gas 3203' (show).
 8 5/8" casing, 440' 4"; 7", 1282'; 7", 1305' 4"; 5 1/2", 1600' (all left in).
 coal encountered at 281', 48";
 Record from OLO Gas Dept. to RCT Feb. 23, 1960.

	Top.	Bottom.
Clay, yellow, soft	0	15
Sand, yellow, soft	15	20
Broken sand, light, medium	20	85
Red rock, red, soft	85	100
Blue slate, blue, soft	100	170
Slate, light, soft	170	183
Slate, light, soft	183	231
Slate, blue, soft)	231	271
Slate, light, soft	271	281
coal, black, soft	281	285
slate, light, soft	285	321
Broken sand, grey, soft	321	352
Slate, white, soft	352	423
Sand, grey, soft	423	464
Slate, white, soft	464	469
Sand, white, soft	469	513
Slate, grey, soft	513	565
Sand, white, soft	565	628
slate, dark, soft	628	748
Sand, white, medium	748	796

	Top.	Bottom.
slate, grey, soft	796	806
sand, grey, medium	806	827
slate, dark, soft	827	910
salt sand, white, medium	910	1000
Salt sand, white, hard	1000	1063
slate, grey, soft	1063	1111
sand, white, hard	1111	1201
slate, grey, soft	1201	1226
Shell, grey, hard	1226	1234
slate, grey, soft	1234	1243
little lime, grey, hard	1243	1261
pencil Cave, white, soft	1261	1266
Big lime, white, hard	1266	1286
Big lime, grey, hard, sandy	1286	1288
Big lime, sandy, grey, hard	1288	1300
Big lime, grey, hard	1300	1423
Injun Sand, grey, medium	1423	1576
slate, break, dark, soft	1576	1581
sand, grey, medium	1581	1586
Shell, grey, hard	1586	1602
shell, grey, hard	1602	1610
slate and shells, grey, med.	1610	1911
Shell, dark, hard	1911	1955
slate & shells, light, med.	1955	1995
Shell, light, hard	1995	2030
slate & shells, white, soft	2030	2060
Brown shale, brown, soft	2060	2072
Berea, grey, hard	2072	2087
shell, black, hard	2087	2105
shell, light, hard	2105	2168
slate & shells, white, med.	2168	2205
shale, brown, soft	2205	2265
slate, white, soft	2265	2457
Brown shale, brown, soft	2457	2591
slate, white, soft	2591	2633
Brown shale, brown, soft	2633	2944
slate, white, soft	2944	3035
grey shale, grey, soft	3035	3148
Brown shale, brown, soft	3148	3195
Corn. Lime, grey, hard	3195	3243
Lime, sandy, grey, hard	3243	3254
Corn. Lime, grey, hard	3254	3271
TOTAL DEPTE		3271

G. M. BURGESS NO. 1 (897) WELL.

Union District, Wayne County, W. Va.

By Owens, Libbey-Owens Gas Dept., Box 4158, Charleston, W. Va.

Drilled under permit Way-908.

Elevation, 675.29' L.

Located 5.03 mi. S. of 38° 20' and 2.14 mi. W. of 82° 25' - SW - Guyandot Quadrangle.

Samples examined by Russell R. Flowers.

Record to RCT from Flowers July 7, 1954.

Top. Bottom. Thickness.

LITTLE LIME, 7+ FEET (or 25 FEET)		
Top.	Bottom.	Thickness.
1236 - 1243	7	Limestone, dark-gray to brownish-black, very highly argillaceous, highly fossiliferous (crinoidal)
1243 - 1247	4	No sample
1247 - 1252	5	Limestone, olive-gray to brownish-black, argillaceous to calcareous shale, sandy in part; small amount of dark greenish gray shale
1252 - 1255	3	Limestone, olive-gray and brownish-gray to brownish-black, argillaceous; some dark-gray to dark greenish gray, soft shale
1255 - 1261	6	Limestone, brownish-gray to dark-gray and brownish-black, highly argillaceous, fossiliferous (crinoidal) (TOP OF GREENERIER (either at 1261 or at 1247'))
1261 - 1265	4	Limestone, light olive-gray to olive-gray and dark yellowish brown, argillaceous in part; some shale, medium dark to dark-gray and dark greenish gray, soft
1265 - 1277	12	Limestone, light olive gray to dark yellowish brown, oolitic at the top; some dark-gray to greenish-gray shale
1277 - 1294	17	Limestone, yellowish-gray to light olive gray, somewhat oolitic; some dark-gray to dark greenish gray shale at the top and 1288 to 1291'
1294 - 1305	11	Limestone, light olive gray; some dark-gray to dark greenish gray shale at the bottom