



3.78 S.  
 3.72 W. 750615 topo loc.  
 38°12'30" 0.815  
 81°42'30" 1.41 W  
 3 WC (11-5) 15' calc  
 3.695  
 3.68 W

Examine by *F. Owens*

Company THE OWENS, LIBBEY-OWENS GAS DEPT.  
 Address BOX 2111 CHARLESTON 28 W. VA.  
 Farm BROUN & COCHRAN  
 Tract \_\_\_\_\_ Acres 1159.37 Lease No. 107  
 Well (Farm) No. 5 Serial No. 312  
 Elevation (Spirit Level) 645.9 TOP 6"  
 Quadrangle PEYTONA 3-53.75 W 3.79 ✓  
 County BOONE District PEYTONA  
 Engineer T.S. FLOURNOY  
 Engineer's Registration No. 269  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date AUG. 1, 1945 Scale 1-INCH=1000 FEET.

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

**WELL LOCATION MAP**  
 FILE NO. B300-720 D

+ 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.

6-0 237

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

Permit No. Boo 720  
Peytona Quad.  
Company  
Address  
Farm  
Location  
Well No.  
District  
Surface  
Mineral  
Commenced  
Completed  
Date shot

Dry Hole  
CASING & TUBING

The Owens, Libbey-Owens Gas Dept.  
P.O. Box 2111, Charleston 28, W.Va.  
Broun-Cochran #5 Across 1762  
312 Elev. 645.9  
Peytona Boone County

13 16 16  
10 53 53  
8 1/2 843 Pld.  
7 1188 Pld.

Volume  
Rock Pressure  
Fresh Water  
Salt Water

Coal-see below  
10-10-27 D.D.8-4-45  
11-26-27  
11-26-27 Depth 1685 to 1695  
With 40 qts. 5" shell  
300 MCF  
242# 63 hrs.  
45 H.F.; 135 H.F. 570'  
1850' 1 1/2 Bail 27 hr.; 1955' 1 1/2  
Bail 24 hrs.; 2305' 1 bail 24 hrs.  
Water exhausted at 2740'

When drilled deeper  
6 5/8 and 3" casing  
Pulled

DRILLED DEEPER

Surface	0	20	Original Depth	1720
Sand	20	32	Shell Dk H	1762
Gravel	32	42	Slate & Shell Dk M	2989
Quick Sand	42	52	Shell Gr H	3065
Sand	52	72	Slate & Shell Gr M	3274
Slate	72	82	Brown Shale Br S	3424
Lime	82	95	Slate & Shell Gr M	3516
Slate	95	100	Slate Lt S	3857
Black Lime	100	120	Brown Shale Dr S	4133
Sand	120	150	Shell Dk H	4137
Slate	150	155	Corniferous Lm. Br	4219 H
Sand	155	175	Oriskany Sand Gr H	4246
Slate	175	275	Lime - # Gr H	4272
Sand	275	415	TOTAL DEPTH	4272
Slate	415	416		
Sand	416	465	Gas 1095-1098 show	
Coal	465	467	Gas 1152-1157 4023 M	
Salt Sand	467	840	Gas 1180 793 M	
Slate	840	865	Gas 1686-1690	
Lime Shell	865	875	Test B. Shot 440 M	
Slate	875	880	Test A. Shot 440 M	
Red Rock	880	900	Gas 3962 387 C.F.	
Slate & Shells	900	913	Gas 4212 458 C.F.	
Maxon Sand	913	970	Gas 4222 490' C.F.	
Little Lime	970	1012		
Pencil Cave	1012	1025	COAL OWNERS:	
Dig Lime	1025	1212	Thomas Jackson, Charleston, W.Va.	
Dig Injun	1212	1265		
Slate & Shells	1265	1674	John Lewis Cochran, Charlottesville, Va.	
Brown Shale	1674	1686		
Corea Grit	1686	1695	Oscar W. Underwood Jr., Attorney in Fact	
Lime	1695	1720	American Security Bldg.	
TOTAL DEPTH		1720	Washington, D.C.	

Test B. Shot 440 M  
Test A. Shot 440 M  
Tubed 311 M

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

Permit No. Boo 720 - D

Peytona Quad.

Company

Address

Farm

Location

Well No.

District

Surface

Mineral

Commenced

Completed

Volume

The Owens, Libbey-Owens Gas Dept.

P. O. Box 2111, Charleston 28, W.Va.

Broun Cochran #5 Acres --

312 Elev. 645.9

Peytona Boone County

Broun & Cochran c/o Thos. B. Jackson

Kanawha Valley Bldg., Charleston, W.Va.

Dry Hole  
CASING & TUBING

10 53 53  
8 1/2 8 1/2 --  
6 5/8 1188 pld.

DRILLED DEEPER

Original Depth			1720		
Shell	Dk	H	1720	1762	
Slate & Shell	Dk	M	1762	2989	
Shell	Er	H	2989	3065	
Slate & Shells	Gr	M	3065	3274	
Brown Shale	Br	S	3274	3424	
Slate & Shell	Gr	M	3424	3516	
Slate	Lt	S	3516	3857	
Brown Shale	Br	S	3857	4133	
Shell	Bk	H	4133	4137	Gas 3962 387 C.F.
Corniferous Lm.	Gr	H	4137	4219	Gas 4212 458 C.F. 4184 - 4226
Criskany Sand	Gr	H	4219	4246	Gas 4222 490 C.F. 4226 - 4239
Lime - <i>field</i>	Gr	H	4246	4272	4239 -
TOTAL DEPTH				4272	

PLUGGED AND ABANDONED

4246  
646  

---

3600

4137 4219  
646 646  

---

-3491 -3573

BULL CREEK COAL LAND CO. NO. 24 (720) WELL.

Peytona District, Boone County, W. Va.

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

Located 4.03 mi. S. of 38° 15' and 4.53 mi. W. of 81° 35' - NC - Peytona Quadrangle.

Permit Boo-710.

Sample record from Flowers March 20, 1950.

Top. Bottom. Thickness.

Top.	Bottom.	Thickness.	Description
4566 - 4583		17	Shale, black, very highly carbonaceous, pyritic, calcareous in part
HUNTERSVILLE CHERT, 97 FEET			
4583 - 4592		9	Limestone, light-gray and light brownish gray to brownish-gray, some brownish-black, very shaly, very cherty; some brown, micaceous shale at the contact of the above black shale
4592 - 4594		2	No sample
4594 - 4604		10	Limestone, light brownish gray to brownish-gray, some brownish-black, shaly, with a very large amount of light- to medium-gray chert, very shaly at the bottom
4604 - 4609		5	No sample
4609 - 4613		4	Limestone (shaly) to calcareous chert, brownish-gray to brownish black with light- to medium-gray spots and streaks
4613 - 4626		13	Limestone (shaly) to calcareous chert and calcareous, glauconitic siltstone, medium-gray to brownish-gray and brownish-black, somewhat dolomitic
4626 - 4630		4	Chert, light- to medium-gray and brownish-gray, some brownish-black, highly calcareous, dolomitic, very shaly, silty
4630 - 4631		1	Limestone (very shaly and very cherty) to siltstone (calcareous, glauconitic), medium-gray to brownish-black, dolomitic in part
4631 - 4636		5	Chert to siltstone and sandstone (very fine), light-gray to brownish-gray, some grayish- and brownish-black, very highly calcareous, somewhat dolomitic
4636 - 4639		3	Limestone (very shaly, silty) to siltstone (sandy, glauconitic) medium- to dark-gray and brownish-black, very cherty, somewhat dolomitic
4639 - 4648		9	Limestone (silty) to siltstone (calcareous), light- to medium-gray, some light brownish gray to brownish-gray, highly dolomitic, cherty, contains a little glauconite
4648 - 4649		1	Chert, light-gray to light brownish gray, silty and sandy (very fine), highly calcareous, slightly dolomitic
4649 - 4652		3	Limestone, light-gray to light brownish-gray, very cherty and very silty, somewhat dolomitic, shaly, contains a little glauconite
4652 - 4655		3	Siltstone to sandstone (very fine), light-gray to brownish-gray highly calcareous, dolomitic, somewhat shaly
4655 - 4659		4	Siltstone and shale to sandstone (very fine to fine), medium light gray to light brownish gray, some medium-gray to brownish gray, very cherty, highly dolomitic; calcareous, some glauconite
4659 - 4662		3	Sandstone, light-gray to light brownish-gray, some medium dark gray to brownish-gray, very fine to fine-grained, some medium (rounded) grains, dolomitic; somewhat calcareous, contains some chert and glauconite
4662 - 4670		8	Siltstone to sandstone (very fine), medium light to medium dark gray, some brownish-gray, highly calcareous, dolomitic, glauconitic, some brown phosphatic? (collophane?) material in the upper part, somewhat shaly
4670 - 4677		7	Siltstone to sandstone (very fine), light- to medium-gray, some light brownish gray, calcareous, somewhat dolomitic at the top to moderately dolomitic at the bottom, glauconitic, somewhat cherty

(OVER)

BULL CREEK COAL LAND CO. NO. 24 (720) WELL (Continued).

Top.	Bottom.	Thickness.	
4677	4679	2	Siltstone to chert, silty, light- to medium-gray, with some light brownish gray, dolomitic, somewhat calcareous, glauconitic, some shaly material
4679	4680	1	Siltstone, light- to dark-gray, very sandy (fine to medium-grained, some coarse, rounded and frosted grains--probably from the erosion of the underlying Criskany Sandstone), calcareous, dolomitic, very highly glauconitic
4680	4685	5	Sandstone, very light gray, fine- to medium-grained, subrounded to rounded (many of the grains are broken), mostly quartz with a calcareous cement
4685	4688	3	Sandstone, very light gray, mostly quartz, fine-grained (in most of these samples the quartz has been crushed finer than the actual grain size), calcareous
4688	4691	3	Limestone, light- to medium-gray, very sandy (fine to medium-grained, rounded and frosted)
4691	4694	3	Limestone (sandy at top) to sandstone (calcareous at the bottom - light- to medium-gray, mostly light-gray at the bottom, most of the sand grains are very fine to fine)
4694	4706	-12	Limestone, -(silty) to chert (calcareous), light- to medium-gray and light brownish gray, some brownish-gray to brownish-black in the middle part, dolomitic in part, sandy at the top
4706	4709	3	Limestone, dark-gray to brownish-black, some medium-gray to brownish-gray, very shaly, very cherty, dolomitic in part
4709			Total depth

CRISKANY SANDSTONE, 8 FEET

HELDREBERG FORMATION, 21+ FEET