

Examined by R.R. Flower

New Location...
 Drill Deeper.....
 Abandonment.....

Company	THE OWENS LIBBEY-OWENS GAS DEPT.
Address	BOX 2111 CHARLESTON 28 W. VA.
Farm	R. E. ESKINS
Tract	Acres 782 Lease No. 1434
Well (Farm) No.	ONE Serial No. 680
Elevation (Spirit Level)	1112.71
Quadrangle	PEYTONA - NC
County	KANAWHA District LOUDON
Engineer	T. S. Flournoy
Engineer's Registration No.	269
File No.	Drawing No.
Date	SEPT. 15, 1944 Scale 1" = 1000 FT.

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

WELL LOCATION MAP
 FILE NO. KAN-1176-REDRILL

+ 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.

6-6 305

"IMPERIAL" TRACING CLOTH
 K & E CO., N. Y.

Samples, 14-B (1374-1759' 2055-4851') Deep Well

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

Permit No. Kan 1176
Peytona Quad.

Company
Address
Farm
Location
Well No.
District
Surface
Mineral

The Owens, Libbey-Owens Gas Dept.
P.O. Box 2111, Charleston 28, W.Va.
R.E. Eskins #1 Acres 782

Gas Well
CASING & TUBING

10 $\frac{1}{2}$ 401 401
8 5/8 1374 pld.
7 1572 1572

680 Elev. 1112.71

Loudon Kanwha County
Garner Williams, Kayford, W.Va.

Oil Well Anchor
Size 3 x 2 x 16
Depth 4753 -4758

Joe Loewenstein & R.E. Eskins
Charleston Natl. Bank, Charleston, W.Va.

Commenced
Completed
Date shot

3-23-45

Perff. top 4821
" bot 4851

7-11-45

7-12-45 Depth 4785 to 4822
with 450# Detonite

Coal at 262' 48"

Open flow
Volume

33/10ths W in 1"
48 MCF

Rock Pressure

Fresh Water

Salt Water

725 Hole filling; 766 Hole filling.
930 standing at 400'; 1224' standing at 400'
1363 standing at 400'; 1557 25 bail 4 hrs.
1560 Hole filling stood at 220'

Sand	Dk	S	0	41	Lime	Wh	H	2007	2021
Gravel	Gr	S	41	48	Slate & Lime	Wh	M	2021	2027
Slate, sand	Dk-Lt	S-M	48	252	Slate & Shells	Lt	S	2027	2052
Coal	Bk	S	262	266	Brown Shale	Br	S	2052	2058
Slate	Dk	S	266	323	Berea Sand	Wh	H	2058	2071
Sand	Wh	M	323	363	Slate & Shells	Gr	M	2071	2103
Slate & Shells	Dk	S	363	388	Shell	Gr	H	2103	2148
Sand	Wh	H	388	434	Slate & Shell	Gr	H	2148	2162
Slate & Shells	Dk	M	434	465	Lime	Gr	H	2162	2187
Slate	Dk	S	465	532	Slate	Lt	S	2187	2201
Sand	Wh	M	532	581	Slate & Shells	Gr	M	2201	2229
Slate	Bk	S	581	621	Lime	Gr	H	2229	2243
Salt Sand	Wh	H	621	855	Shells	Gr	H	2243	2287
Slate	Dk	S	855	865	Slate & Shells	Lt	M	2287	2333
Sand	Wh	H	865	915	Sl. Shells, Lime	Lt	M	2333	2869
Slate & Shells	Dk	S	915	931	Lime Shells	Dk	H	2869	2884
Sand	Wh	H	931	1066	Slate & Shell	Dk	M	2884	2921
Slate	Wh	S	1066	1072	Slate & Shell	Gr	M	2921	2993
Sand	Wh	H	1072	1123	Lime	Gr	H	2993	3034
Slate	Wh	M	1123	1128	Slate, Shells, Lime	Lt	M-H	3034	3272
Pink Rock		H	1128	1138	Brown Shale		M	3272	3286
Red Rock		S	1138	1158	Shell	Dk	H	3286	3308
Sand	Dk	H	1158	1168	Slate & Shell	Gr	H	3308	3348
Lime	Bk	H	1168	1178	Lime	Wh	H	3348	3379
Sand	Dk	H	1178	1190	Slate, Shells, Lime	Gr	H	3379	3473
Slate	Bk	M	1190	1210	Shale	Gr	H	3473	3500
Shells	Dk	H	1210	1239	Slate, Shells, Lime	Gr	H	3500	3580
Red Rock		S	1239	1257	Shale	Br	S	3580	3590
Slate & Shell	Dk	S	1257	1265	Slate & Shells	Dk	M	3590	3731
Shell	Dk	H	1265	1302	Shale	Br	S	3731	3869
Red Rock		S	1302	1313	Slate & Shells	Lt	S	3869	4275
Shell	Gr	H	1313	1320	Slate & Shells	Dk	S	4275	4419
Slate	Bl	S	1320	1322	Brown Shale		S	4419	4690
Slate & Shells	Wh	H	1322	1330	Corniferous Lm.	Gr	H	4690	4789
Shell	Gr	H	1330	1363	Criskany Sand	Wh	H	4789	4795
Lime	Dk	H	1363	1402	Lime	Gr	H	4795	4798
Slate	Dk	S	1402	1405	Sandy Lime	Gr	H	4798	4800
Big Lime	Wh	H	1405	1585	Lime	Gr	H	4800	4851
Big Lime	Y	H	1585	1618	TOTAL DEPTH				4851
Big Lime	Gr	H	1618	1627	Gas 1484-1486 239 M				
Injun Sand		H	1627	1664	Gas 1505 15 M ; Gas 4790 27 M - <i>Crisk</i>				
Lime	Dk	H	1664	1668	Berea, Shells (2243-2287), 2679-2869, no				
Slate & Shells	Dk	M	1668	1676	gas recorded. Tested at 3003 no gas.				
Slate & Lime	Gr	H	1676	1691	Tested at 3086, 3398 no gas. No gas 3731-				
Slate & Shells	Gr	H	1691	1707	3869.				
Lime	Bl	H	1707	1722	Test B.S. 21 M; 1 hr. A.S. 71 M				
Slate & Lime	Gr	H	1722	1737	Cleaning out test 46 M, Tubed 7-17-45				
Slate & Shells	Gr	H	1737	1948	Test 48 M.				
Slate	Gr	S	1948	1959	10 Min R.P. 28# Turned into line				
Lime	Wh	M	1959	1979	No longer R.P. Taken				
Slate & Shell	Gr	H	1979	2007					



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 19

Rotary
Spudder
Cable Tools
Storage

Quadrangle PEYTONA
Permit No. KAN-1176P

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company PACE BOWER CONSTRUCTION CO.
Address 305 Nelson Bldg., Charleston, W. Va.
Farm R. E. Eskins Acres 782
Location (waters) Lens Creek-Ring Hollow
Well No. 1(O.L.O.)#2 Pace-Bower Elev. 1122.62-KB
1114.62-GF6
District Loudon County Kanawha
The surface of tract is owned in fee by Garner Williams
1309 Quarrier Street Address Charleston, W. Va.
Mineral rights are owned by Letitia E. Eskins
708 Lincoln Avenue Address Melbourne, Fla.

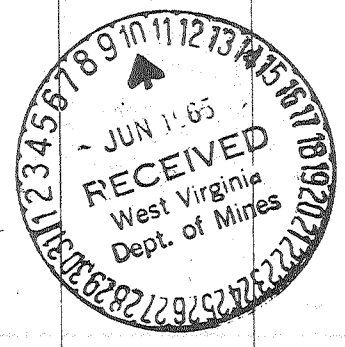
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
18			
10 -3/4	18'	18'	Size of
8 5/8	330	330	Depth set
7"	1538-1570		Perf. top
5 3/16			Perf. bottom
4-1/2"	5508	5508	Perf. top
2			Perf. bottom
Liners Used			

Drilling commenced 2/12/65
Drilling completed 2/26/65
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED 3/4/65-1500 gallons
Mud Acid (Dowell)
WELL FRACTURED

CASING CEMENTED SIZE No. Ft. Date
1/29/65-18'-10-3/4; 2/5/65-330'-8-5/8;
2/28/65-678'-4-1/2
COAL WAS ENCOUNTERED AT 262 FEET INCHES
266 FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT 9/10 M-3" Side Static Pressure Test = 5,560 MCF
ROCK PRESSURE AFTER TREATMENT 2,050# 3/9/65 to 5/26/65
Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<p>Note: This well was originally drilled to a depth of 4851 through the Oriskany Sand in 1945 by Owens-Libbey-Owens. Well was plugged and abandoned in 1954. This well was originally the Owens-Libbey-Owens Eskins No. 1 and is now being referred to as the Pace-Bower Eskins No. 2. The following log is primarily based on the Gamma Ray Log with all depths measured from a Kelly Bushing elevation of 1122.62</p>							
Sand			0	48			
Shale			48	65			
Sand			65	115			
Siltstone	and Shale		115	135			
Sand			135	208			
Siltstone	and Shale		208	290			Coal 262-266 (Owens Driller's Log)
Sand			290	300			
Siltstone	and Shale		300	315			
Sand			315	365			
Shale			365	395			
Sand			395	430			
Shale			430	535			
Sand			535	572			
Shale			572	625			
Siltstone			625	640			
Shale			640	650			
Sand			650	665			
Shale			665	680			
Sand			680	865			
Shale			865	875			
Siltstone			875	900			



(Continued on Attached Sheet)

(19)

5472
1123

4349

Formation	Top	Bottom	
Sand	900	922	
Shale	922	950	
Sand	950	1065	
Shale	1065	1078	
Shaly Sandstone	1078	1126	
Red Rock, Sandstone, Shale	1126	1364	
Little Lime	1364	1438	
Big Lime	1438	1618	
Big Injun	1618	1644	
Shale	1644	2047	
Coffee Shale	2047	2061	
Berea	2061	2063	
Shale	2063	4664	
Marcellus	4664	4694	
Onondaga	4694	4794	
Oriskany	4794	4804	
Limestone and Dolomite	4804	5472	
Newburg	5472	5491	Sulphur Gas and Water Zone - 5336-5352
Dolomite	5491	5507	
Total Depth		5507	(Driller) 5508 (Logger)

Note: Well drilled on Mud from 4869 to 5507.

Chronological order of events:

- 1/29/65-Moved in on old hole
- 1/29/65-Ran 18' of 10-3/4" Casing-Cemented in with 10 Bags.
- 2/5/65-Ran 330' of 8-5/8" Casing-Cemented in with 100 Bags. Circulated Cement - (Well Service)
- 2/12/65-Began making new hole at 4869
- 2/26/65-Completed drilling at 5507.
- 2/27/65-Ran Logs (Schlumberger):

Gamma Log	Density	Induction
1"-70 to 5495	1100-2050	1446-2110
5"-1090 to 2100	4600-5508	4600-5500
4600 to 5507		

- 2/27/65-Attempted Drill Stem Test-Not Completed-Section of pipe collapsed.
- 2/28/65-Ran 5508' of 4-1/2" Casing
- 2/28/65-Cemented in 678' of 4-1/2" Casing with 400 gallons "Cealment", 800 gallons CW 7, 70 sacks Portland, 70 cubic feet of "Litepoz". (Dowell)
- 3/3/65-Ran Cement Bond Log (McCullough) - Top of Cement 4830.
- 3/3/65-Perforated 4-1/2" Casing from 5472 to 5481 with 4 holes per foot. Using 25 gram 3" Zamco Jets (McCullough).
- 3/4/65-Acidized well with 1500 gallons Mud Acid (Dowell). *Newburg*

Production Record

- 3/5/65-Shut in well at 4:00 p.m.
- 3/6/65-Took Pressure Test at 8:00 a.m. 16 hour test - 2000#
- 5/26/65-Well shut in from 3/9/65 to 5/26/65 - 2050#
- 5/26/65 - 9/10 M in 3" (Side Static Pressure Test) 5,560 MCF after blowing open 5 hours 20 minutes.

F.O.F = 5,560 MCF and 2050# R.P.

