

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

Company Owens, Libbey-Owens Gas Dept.
 Address Box 4158 Charleston W. Va.
 Farm Armilda Gilkerson
 Tract _____ Acres 154 Lease No. 1639
 Well (Farm) No. 2 Serial No. 894
 Elevation (Spirit Level) 672.87
 Quadrangle Wayne 2-5099W077
 County Wayne District Union
 Engineer T.S. Flournoy
 Engineer's Registration No. 269
 File No. _____ Drawing No. _____
 Date Sept. 24, 1953 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. WAY-895

+ 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.

Samples () (1269-1465)
 5-6-23-1
 Deep Well

ARMILDA GILKERSON NO. 2 (894) WELL.

Union District, Wayne County, W. Va.
 By Owens, Libbey-Owens Gas Dept., Box 4158, Charleston, 4, W. Va.
 Drilled under permit Way-895.
 Elevation, 672.87' L.

Located 0.96 mi. S. of 38° 15' and 0.76 mi. W. of 82° 20' - NC - Wayne Quadrangle.

Drilling commenced Oct. 22, 1953; completed Jan. 18, 1954.

Shot Jan. 19, 1954, at 2000-3201', with 7300 lbs. of Detonite.

Gas well; volume, Big Lime, 147 M.; Brown Shale, 50 M.

Rock pressure, 295 lbs. in 111 hrs.

Fresh water at 27', 40', and 92'; salt water at 714'.

8 $\frac{5}{8}$ " casing, 298' 6"; 7", 1148' 6"; 5 $\frac{1}{2}$ ", 1254' 11"; 3 $\frac{1}{2}$ " tubing, 1425'.

Coal was encountered at 265-270'.

Section based on samples from 1269 to 1300'; examined by Russell R. Flowers.

Record to RCT from Flowers July 7, 1954.

Top. Bottom. Thickness.

Top.	Bottom.	Thickness.	Description
			GREENRIVER LIMESTONE, 18+ FEET
1269 - 1287	18		Dolomite, brownish-gray to olive-gray to dark-gray, some grayish-black, silty, argillaceous; small amount of white to light-gray anhydrite
			MAGGRADY SERIES OF POGONO, 13+ FEET
1287 - 1291	4		Siltstone, light- to medium-gray, some medium dark to dark-gray; argillaceous, dolomitic
1291 - 1297	6		Siltstone, medium dark gray to olive-gray, dolomitic; some grayish-red shale
1297 - 1300	3		Siltstone, greenish-gray to dark greenish gray, some olive-gray (dolomitic); some dark-gray shale

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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Quadrangle Wayne

WELL RECORD

Permit No. WAY- 895

Oil or Gas Well - Gas
(KIND)

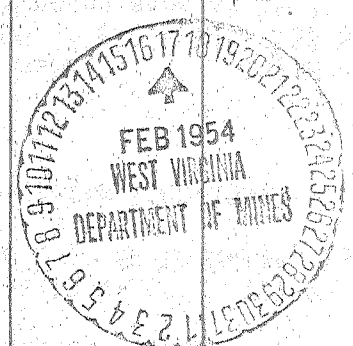
Company OWENS, LIBBEY-OWENS GAS DEPARTMENT
Address P. O. Box 4158, Charleston 4, W. Va.
Farm Armilda Gilkerson Acres 15 1/4
Location (waters) _____
Well No. 2 (Serial #894) Elev. 672.87
District Union County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Armilda Gilkerson
Address Wayne, W. Va.
Drilling commenced 10-22-53
Drilling completed 1-18-54
Date Shot 1-19-54 From 2000 To 3201
With 7,300 lbs. of Detonite

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>"Oilwell"</u>
18			<u>Hookwall</u>
10			Size of <u>5 1/2 x 6-5/8"</u>
8 1/2 <u>8-5/8"</u>	<u>298'6"</u>	<u>298'6"</u>	Depth set <u>1251-1255</u>
8 1/2 <u>7"</u>	<u>1148'6"</u>	<u>1148'6"</u>	<u>"Spang" H.W. 3 1/2 x 5"</u>
8 1/2 <u>5 1/2"</u>	<u>1409'8"</u>	<u>Pulled</u>	<u>Perforation Set @ 1421-</u>
<u>8-1/2"</u>	<u>1270'7"</u>	<u>Pulled</u>	<u>Perforation 1425</u>
8 1/2 <u>5 1/2"</u>	<u>-----</u>	<u>1254'11"</u>	
Moors Used			Perf. top _____
<u>3 1/2"</u>	<u>-----</u>	<u>1425'5"</u>	Perf. bottom _____

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Big Lime, 147 M; Br. Shale 50M -197 Cu. Ft.
Rock Pressure 295 lbs. 111 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 27', 40', 92 feet 700 feet
Salt water 714 feet _____ feet

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT <u>265</u> FEET <u>60</u> INCHES			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	Yellow	Soft	0	15			
Sand	Yellow	Soft	15	20			
Sand	Black	Soft	20	25			
Sand	Grey	Hard	25	40	Water at 27', 1 BPH		
Slate	Black	Soft	40	42	Water at 40', 6 BPH		
Sand	Grey	Hard	42	46			
Slate	White	Soft	46	71			
Sand	Grey	Hard	71	77			
Sand	White	Soft	77	92			
Slate	White	Soft	92	98			
Sand	White	Med.	98	114			
Sand	White	Hard	114	126			
Sand	White	Med.	126	147			
Broken S.	Grey	Soft	147	190			
Sand	White	Soft	190	223			
Slate	White	Soft	223	238			
Broken S.	Grey	Soft	238	265			
Coal	Black	Soft	265	270			
Slate	Dark	Soft	270	318			
Sand	White	Soft	318	348			
Slate	Dark	Soft	348	379			
Sand	White	Soft	379	390			
Slate	White	Soft	390	431			
Broken S.	Dark	Soft	431	475			
Sand	White	Soft	475	583			
Slate	Grey	Soft	583	642			
Gas Sand	White	Soft	642	707			
Salt Sand	White	Hard	707	800			
Slate			800	805	Show of gas 705		
Lime Shells	Grey	Hard	805	834	Water 714', hole filling up.		
Salt Sand	White	Hard	834	1020			
Slate	Light	Soft	1020	1027			
Red Rock	Red	Soft	1027	1030			
Slate	Light	Soft	1030	1080			
Little Lime	Grey	Hard	1080	1103			
Pencil Cave	Light	Soft	1103	1108			
Big Lime	White	Hard	1108	1126	Water level at 1033' - 120'		



Ran 8-5/8" csg. on shoe at 298'.
Show of gas 705
Water 714', hole filling up.
Water level at 1033' - 120'



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 8A

(Cont.)

Quadrangle Wayne

Permit No. Way- 895

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT
 Address P. O. Box 4158, Charleston 4, W. Va.
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 Date Shot 1-19-54 From 2000 To 3201
 With 7,300 lbs. of Detonite
 Open Flow 10ths Water in _____ Inch
 _____/10ths Merc. in _____ Inch
 Volume Big Lime, 147 M; Br. Shale 50M-197M Cu. Ft.
 Rock Pressure 295 lbs. 111 hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 27, 40, 92 feet feet
 Salt water 714 feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10			Size of
8 3/4			
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED	SIZE	No. Ft.	Date

COAL WAS ENCOUNTERED AT	FEET	INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
		Total Depth		3201	Test 3109	19/10 W-3/8"	4.8 M
					Shot 1-19-54 with 7,300 lbs. of Detonite from 2000 to 3201.		
					Before shot: 4.9 M		
					15 min. A. S. 623 M		
					1 hour A. S. 198 M		
					2 hours " " 109 M		
					12 hours " " 51 M		
					22 hours " " 51 M (Same)		
					While blowing off casinghead, expelled about 2 barrels of water. Water source is Big Injun Sand. Pulled 5 1/2" csg. and reran at 1255 feet to protect Big Lime gas. Ran 3 1/2" tubing on hookvall packer set at 1425 feet.		
					Final Open Flow:		
					Big Lime (5 1/2 x 7)		147 MCF
					Br. Shale (3 1/2)		50 MCF