

Company Owens, Libbey-Owens Gas Dept.
 Address Box 4158 Charleston W. Va.
 Farm Etta R. Prichard
 Tract 1 Acres 559 Lease No. 2176
 Well (Farm) No. 4 Serial No. 902
 Elevation (Spirit Level) 976.79
 Quadrangle Guyandot 855.26" N. 129"
 County Wayne District Union
 Engineer T.S. Flournoy
 Engineer's Registration No. 269
 File No. _____ Drawing No. _____
 Date Mar 9, 1954 Scale 1"=1000'

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

WELL LOCATION MAP
 FILE NO. WAY-914

+ 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.

6-6-232 Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION / 5

WELL RECORD

Quadrangle Marysdat

Permit No. WAY-914

Oil or Gas Well GAS
(KIND)

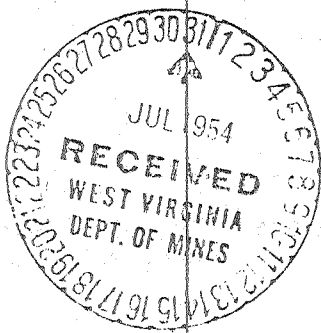
Company OWENS, LIBBEY-OWENS GAS DEPARTMENT
Address P. O. Box 4158, Charleston 4, W. Va.
Farm Etta R. Pritchard Acres 559
Location (waters) _____
Well No. 4 (Serial No. 902) Elev. 976.79
District Union County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Etta R. Pritchard et al
Wayne, W. Va. Address _____
Drilling commenced 1-7-54
Drilling completed 7-16-54
Date Shot 7-22-54 From 2696 To 3795
With 6600# Detonite

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>O. V. S.</u>
13			<u>Hookwall packer</u>
10			Size of <u>3 1/2" x 6-5/8"</u>
8-5/8"	<u>502'</u>	<u>502'</u>	
7"	<u>1678'8"</u>	<u>1678'8"</u>	Depth set <u>2146-2149</u>
5 1/2"	<u>1925'9"</u>	<u>1925'9"</u>	
<u>5 1/2"</u>		<u>2449'4"</u>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Shells, Sha., & Corniferous 147 M Cu. Ft.
Rock Pressure 215 lbs. 54 hrs.
Oil 1 pt. oil in 22 hrs. bbls., 1st 24 hrs.
Fresh water 135 feet
Salt water 946 feet 1880 - 1916 feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 966 FEET 60 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface	Blue	Soft	0	10			
Sand	Blue	Soft	10	20			
Red Rock	Red	Soft	20	70			
Gray Slate	Grey	Soft	70	81			
Red Rock	Red	Soft	81	111			
Sand	Grey	Soft	111	116			
Slate	Blue	Soft	116	150			
Red Rock	Red	Soft	150	175	Water	135	2 1/2 B.P.H.
Gray Shale	Gray	Soft	175	288			
Sand	White	Med.	288	313			
Gray Shale	Gray	Soft	313	334			
Sand	White	Soft	334	354			
Red Rock	Red	Soft	354	374			
Blue Slate	Blue	Soft	374	402			
Sand	White	Med.	402	443			
Blue Slate	Blue	Soft	443	497			
Slate	White	Soft	497	502			
Blue Slate	Blue	Soft	502	542			
Sand	White	Med.	542	569			
Slate	White	Soft	569	623			
Sand	White	Med.	623	652			
Slate	Black	Soft	652	657			
Slate	White	Soft	657	692			
Sand	White	Hard	692	710			
Sand	White	Med.	710	747			
Slate	Blue	Soft	747	758			
Blk. Slate	Black	Soft	758	827			
Sand	White	Med.	827	901			
Blk. Slate	Black	Soft	901	921			
Slate	White	Soft	921	941			
Sand	White	Med.	941	956	Water	946'	1 B.P.H.
Slate	Black	Soft	956	966			
Coal	Black	Soft	966	971			
Slate	White	Soft	971	993			
Sand	White	Hard	993	1022			
Slate	White	Soft	1022	1060			
Slate	Black	Soft	1060	1090			
Sand	White	Soft	1090	1167	(OVER)		



Formation	Color	Hardness	Grain	Surface	Oil, Gas or Water	Pressure	Remarks
Slate	Black	Soft	1167	1177			
Salt Sand	White	Hard	1377	1353			
Salt Sand	Dark	Soft	1353	1386			
Lime Shell	Light	Hard	1386	1399			
Salt Sand	White	Hard	1399	1534			
Lime Shell	White	Hard	1534	1545			
Slate	White	Soft	1545	1550			
Slate	White	Hard	1550	1570			
Red Rock	Red	Soft	1570	1573			
Slate	Black	Soft	1573	1588			
Slate	White	Soft	1588	1607			
Little Lime	Grey	Hard	1607	1632			
Pencil Cave	Dark	Soft	1632	1634			
Big Lime	White	Hard	1634	1769			
Big Lime, Sandy	White	Hard	1769	1793			
Keener Sand	Dark	Hard	1793	1804			
Injun Sand	Grey	Med.	1804	1911			
Slate	Dark	Med.	1911	1916			
Shell	Dark	Hard	1916	1929			
Shell	Dark	Hard	1930	1994			
Slate	Dark	Med.	1994	2004			
Shell	Grey	Hard	2004	2035			
Sl. & Shs.	White	Med.	2035	2087			
Sl. & Shells	Gray	Med.	2087	2323			
Lime Shell	White	Hard	2323	2380			
Sl. & Shells	Gray	Med.	2380	2420			
Br. Shale	Brown	Soft	2420	2433			
Berea Sand	Gray	Hard	2433	2441	Oil, smell	2433'	
Slate	White	Soft	2441	2444			
Shell	Dark	Hard	2444	2465			
Sl. & Shells	Light	Med.	2465	2492			
Sl. & Shells	Light	Med.	2492	2500			
Br. Shale	Brown	Hard	2500	2605			
Slate	White	Soft	2605	2616			
Sl. & Shells	White	Med.	2616	2654			
Slate	White	Soft	2654	3005			
Slate	Gray	Soft	3005	3100			
Br. Shale	Brown	Soft	3100	3170			
Slate	Gray	Soft	3170	3210	Gas	3220	.2 MCF
Br. Shale	Brown	Soft	3210	3400	Test	3367'	.2 MCF
Br. Shale	Brown	Soft	3400	3432	Gas-?	3400'	.3 MCF
Br. Shale	Brown	Med.	3400	3432			
Slate	White	Soft	3432	3647			
Br. Shale	Brown	Soft	3647	3715	Test	3637'	.3 MCF
Corniferous	Black	Hard	3715	3739	Gas-?	3660	.4 M
Corniferous	White	Hard	3739	3743			
Corniferous	Dark	Hard	3743	3749			
Corniferous	White	Hard	3749	3779			
Corniferous (Gritty)	White	Hard	3779	3792			
Cornif. Lime	White	Hard	3792	3795			
		Total Depth		3795			
		Total Depth A. S.		3230			
		3715					
		977					
		2738					

Water in Big Injun Sands
Tested @ 1916', 439 Gal. Salt Water
in 29 hours.

Oil, smell 2433'

Shut down to test for oil & water at
2448': 1 pint oil in 22 hours

Gas 3220 .2 MCF
Test 3367' .2 MCF
Gas-? 3400' .3 MCF

Test 3637' .3 MCF
Gas-? 3660 .4 M

Shot 7-22-54, with 6600# Detonite,
from 2696 to 3795
Test before shot .5 M
Test 15 Min. A. S. 759 M
Test 1 Hr. " " 401 M
Test 25 Hrs. " " 147 M
Installed 3 3/8" tbg. on hookwall pkr.
set at 2449'. Shut well in on
7-24-54, 35 hours after shot.
Final test = 140 MCF

Date July 30, 1954

APPROVED: OWENS, LIBBEY-OWENS GAS DEPT. Owner

By

[Signature]

(Title)