



Latitude 38° 10'

Longitude 82° 30'

- New Location.
- Drill Deeper.....
- Redrill.....
- Abandonment.....

1/4 NE (K-1)

BK 115 P 46

0.545
1.47 W

Company Owens, Libbey-Owens Gas Dept.
 Address Box 4168 Charleston 4 W. Va.
 Farm Ethel Goode
 Tract A Acres 167 Lease No. 2387
 Well (Farm) No. 3 Serial No. 1075
 Elevation (Spirit Level) 960.87
 Quadrangle Louisa-EC
 County Wayne District Butler
 Engineer T. S. Flournoy
 Engineer's Registration No. 269
 File No. _____ Drawing No. _____
 Date Jan. 4, 1960 Scale 1" = 1000 Ft.

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

WELL LOCATION MAP
 FILE NO. WAY-1254

+ 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.

No Sampler

Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION /6

Quadrangle Louisa

Permit No. Way-1254

WELL RECORD

Oil or Gas Well DRY HOLE
(KIND)

Company OWENS, LIBBY-OWENS GAS DEPARTMENT
Address P. O. BOX 4168, Charleston 4, W. Va.
Farm Ethel Goode "A" Acres 167
Location (waters) _____
Well No. 3 (Serial No. 1075) Elev. 960.87
District Butler County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Mrs. Ethel Goode
225 W. 33rd St. Address Huntington, W. Va.
Drilling commenced 2-1-60
Drilling completed 5-14-60
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume Dry Hole _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 100' _____ feet _____ feet
Salt water 1070' 3490' feet 3517' feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			Parmaco B. H. Pkr. &
10			Parmaco Gas Anchor
8 1/4 5/8	581'6"	581'6"	Size of _____
6 5/8 7	1755'9"	Pulled	Depth set <u>3579</u>
5 3/16 7	1762'8"	1762'8"	<u>3320</u>
3 5-1/2	3581'2"	3581'2"	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 138 FEET 36 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface	Black	Soft	0	14			
Slate	White	Soft	14	44			
Sand, Bro.	White	Soft	44	138	Water at 100', hole full		
Coal	Black	Soft	138	141			
Slate	Black	Soft	141	225			
Sand	White	Soft	225	231			
Slate	Blue	Soft	231	264			
Slate	White	Soft	264	355			
Sand, Bro.	White	Soft	355	378			
Slate	White	Soft	378	446			
Sand, Bro.	White	Soft	446	523			
Coal, Bloss.	Black	Soft	523	526			
Slate	White	Soft	526	553			
Sand	White	Soft	553	582	2-22-60 Installed 8-5/8" casing at 582' on shoe		
Slate	Black	Soft	582	635			
Sand	White	Soft	635	712			
Slate	Black	Soft	712	837			
Sand	White	Soft	837	854			
Sand, Bro.	Black	Soft	854	865			
Salt Sand	White	Med.	865	905			
Salt Sand	White	Soft	905	962			
Salt Sand	White	Med.	962	992			
Salt Sand, Bro. Brown	Bro. Brown	Soft	992	1018			
Salt Sand	White	Soft	1018	1123	Water sand at 1070' Water level 470' at 1123'		
Salt Sand	Dark	Soft	1123	1156			
Salt Sand	White	Soft	1156	1202			
Slate	Blue	Soft	1202	1224			
Salt Sand	White	Soft	1224	1390			
Little Lime	Black	Hard	1390	1402			
Little Lime	White	Hard	1402	1419			
Big Lime	White	Hard	1419	1575			
Grey Injun	Grey	Hard	1575	1612			

(Over)

Formation	Color	Hard or Soft	Top 16	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sl & Shls	Black	Soft	1612	1684			
Stray Sands	Black	Soft	1684	1736			
Lime Shells	Black	Med.	1736	1740			
Slate	Black	Soft	1740	1753			
Shells	Black	Hard	1753	1767	3-14-60		Installed 7" csg. at 1755' on shoe
					3-15-60		Pipe leaked under shoe Pulled casing Reamed hole
					3-16-60		Re-installed 7" csg. at 1762' on shoe
Sl & Shls	Black	Med.	1767	1771			
Slate	Black	Soft	1771	1940			
Slate	White	Soft	1940	2088			
Shells	Black	Hard	2088	2098			
Slate	White	Soft	2098	2130			
Shells	Black	Hard	2130	2142			
Slate	White	Soft	2142	2168			
Br. Shale	Brown	Soft	2168	2189			
Berea	Grey	Hard	2189	2199	No gas at 2193'		
Slate	White	Soft	2199	2205			
Shells	Black	Hard	2205	2221			
Shells	Grey	Hard	2221	2223	SLM 2223 = Sand IM 2223		
Berea	Grey	Hard	2223	2260			
Slate	White	Soft	2260	2262			
Shells	Grey	Hard	2262	2282	Gas 2266'		245 cu.ft.
					Gas 2271'		2.5 MCF
					Gas 2275'		2.9 MCF
Slate	White	Soft	2282	2292			
Br. Shale	Brown	Soft	2292	2407			
Slate	White	Soft	2407	2520	SLM 2496 = Sand IM 2495		
Br. Shale	Brown	Soft	2520	2677			
Slate	Grey	Soft	2677	2710			
Br. Shale	Brown	Soft	2710	2990			
Slate	White	Soft	2990	3032			
Slate	Brown	Soft	3032	3088			
Slate	White	Soft	3088	3176			
Br. Shale	Brown	Soft	3176	3218	SLM 3218 = Sand IM 3218		
Corn. Lime	White	Hard	3218	3581	Water at 3517', 22 gal. per hour		
					4-18-60		
							Installed 5 1/2" csg. at 3579' with Parmaco Gas Anchor packer at 3320' and a Parmaco Bottom Hole Packer at 3579'
Corn. Lime	White	Hard	3579	3815			
Corn. Lime	White	Hard	3815	3832			
Corn. Lime	Grey	Hard	3832	3867	Gas 3849'		2.1 MCF
					Gas 3859'		8.5 MCF
Corn. Lime	White	Hard	3867	3923	Gas 3867'		9.6 MCF
Big Six	White	Hard	3923	3952			
Corn. Lime	White	Hard	3952	3972			
			Total Depth 3972		No gas in Big Six Sand Decided to plug.		

3218
961

2257

Date May 16, 1960

APPROVED OWENS, LIBBY-OWENS GAS DEPARTMENT, Owner

By A. H. Smith (Title) Land, Engrg. & Geol.