

New Location   
 Drill Deeper   
 Abandonment

1.38 S  
 3.88 W  
 3 NW (L5)

BK.105 P49-50

Company Owens, Libbey-Owens Gas Dept.  
 Address Box 4158 Charleston & W.Va.  
 Farm Pond Fork Coal Co.  
 Tract 24 Acres 23.75 Lease No. 2555  
 Well (Farm) No. 3 Serial No. 242  
 Elevation (Spirit Level) 836.87  
 Quadrangle Bald Knob 351.39" NW 3.87"  
 County Boone District Crook  
 Engineer T.S. Flourney  
 Engineer's Registration No. 269  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date June 30, 1955 Scale 1" = 200'

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

WELL LOCATION MAP  
 FILE NO. B00-891

Wharton 7.5  
 + 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.

(Corr. June) 66.247

Deep well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Bald Knob

WELL RECORD

Permit No. Boo-891

Oil or Gas Well Gas

(KIND)

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT  
Address P. O. Box 4158, Charleston 4, W. Va.  
Farm Pond Fork Coal Co. et al Acres 6898.16

Location (waters) \_\_\_\_\_  
Well No. 3 (Serial No. 942) Elev. 836.87  
District Crook County Boone

The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_

Mineral rights are owned by Pond Fork Coal Co. et al  
c/o Fred Ramsey, Agt. Address Madison, W. Va.

Drilling commenced 8-8-55  
Drilling completed 12-6-55  
Date Shot 12-7-55; From 3550 To 5087  
12-16-55; From 2449 To 2570  
With 15,000#; 1200#; 600#2140 2205

Open Flow Detonite 7/10ths Water in \_\_\_\_\_ Inch  
7/10ths Merc. in \_\_\_\_\_ Inch

Volume 53 m 53M Cu. Ft.

Rock Pressure 350 lbs. 2 Days 1/4

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

Fresh water 18 feet \_\_\_\_\_ feet

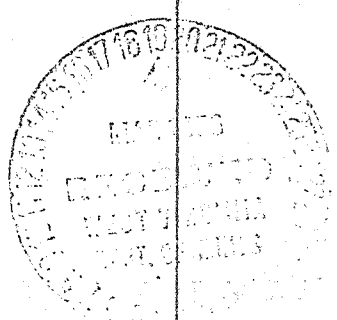
Salt water 1162 feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			"Oilwell" Upside D
10 -3/4	455'6"	455'6"	Size of 3 1/2 x 7 x 16
8 5/8	1520'11"	1520'11"	Wall Anchor
8 7/8	2053'2"	2053'2"	Depth set _____
5 3/16			2071 - 2080
3 1/2	2205	Pulled	2067 - 2073
3 1/2	---	2209'5"	Perf. bottom _____
Liners Used			Perf. top 5'9"
			Perf. bottom 5'2"

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 147 FEET 36 INCHES  
202 FEET 48 INCHES 323 FEET 24 INCHES  
402 FEET 48 INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand & Gravel	Yellow	Soft	0	9			
Sand	Grey	Hard	9	19	Water 18', hole full.		
Sand	Dark	Soft	19	43			
Slate	Dark	Soft	43	52			
Sand, Bro.	Grey	Soft	52	62			
Slate	White	Soft	62	77			
Sand, Bro.	Grey	Med.	77	103			
Sand	White	Hard	103	128			
Sand, Bro.	Grey	Med.	128	140			
Sand	Grey	Med.	140	147			
Coal	Black	Soft	147	150	Gas 147-150', show.		
Slate	Dark	Soft	150	175			
Sand	White	HHard	175	202			
Slate	Light	Soft	202	212			
Coal	Black	Soft	212	216			
Slate	Dark	Soft	216	323			
Coal	Black	Soft	323	325			
Slate	Grey	Soft	325	360			
Slate	Light	Soft	360	366			
Lime	Dark	Hard	366	386			
Slate	Dark	Soft	386	402			
Coal	Black	Soft	402	406			
Slate	Grey	Soft	406	416			
Sand	White	Hard	416	441			
Sand	Grey	Hard	441	451	Water level 100' at 441'		
Sand, Bro.	Grey	Soft	451	460	8-15-55 Ran 10 3/4" casing on shoe at 455 ft.		
Sand	Grey	Med.	460	522			
Sand, Bro.	Dark	Soft	522	527			
Sand	White	Med.	527	545			
Sand, Bro.	Light	Med.	545	580			
Sand	Grey	Hard	580	600			
Sand, Bro.	Grey	Med.	600	632			
Lime	Dark	Med.	632	702			
Lime & Sl.	Dark	Med.	702	736			



Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand	White	Hard	736	786			
Sand, Bro.	Grey	Med.	786	821			
Sand	White	Hard	821	1041			
Sand	Grey	Med.	1041	1051			
Slate	Dark	Soft	1051	1113			
Sand	Grey	Hard	1113	1162			
Sand	White	Hard	1162	1414	Water at 1162 to 1172, filled up to 1000'		
Slate	Dark	Soft	1414	1418			
Sand	White	Hard	1418	1466			
Sand	Grey	Hard	1466	1499			
Slate	Grey	Soft	1499	1513			
Lime	Grey	Hard	1513	1519	Ran 8-5/8" casing on shoe at 1519'		
Lime	Dark	Med.	1519	1561			
Sand	White	Hard	1561	1621			
Sand	Grey	Hard	1621	1643			
Sand	White	Hard	1643	1667			
Sand	Dark	Hard	1667	1693			
Sand	Grey	Hard	1693	1705			
Sand	Dark	Hard	1705	1724			
Sand	Grey	Hard	1724	1752			
Sl. & Shls.	Grey	Med.	1752	1795			
Sand	White	Hard	1795	1905	Gas 1890		6.0 M
Sl. & Shls.	Grey	Soft	1905	1925			
Lime	Dark	Hard	1925	2003			
Slate	Grey	Soft	2003	2007			
Hig Lime	Grey	Hard	2007	2218	Test 2026		1.5 M
					Ran 7" casing on shoe in red clay at 2055'		
					Gas 2092		.3 M
					Gas 2187		9.2 M
					Gas 2194		12.6 M
					Test 2235		11.4 M
Red Injun	Red	Med.	2218	2260			
Grey Inj.	Grey	Med.	2260	2336			
Sl. & Shls.	-	-	2336	2347			
Weir Sand	Grey	Med.	2347	2390			
Weir Shells	Grey	Med.	2390	2471			
Weir Shells	Light	Med.	2471	2591	Test 2471		9.6 M
					Gas 2515		30.3 M
Sl. & Shls.	Grey	Med.	2591	2646			
Sl. & Shls.	Light	Soft	2646	2690			
Coffee Sha.	Dark	Soft	2690	2701			
Berea Sand	White	Hard	2701	2706			
Berea Sand	Grey	Hard	2706	2733			
Sl. & Shls.	Light	Med.	2733	2881			
Sl. & Shls.	Light	Soft	2881	2934			
Lime Shls.	Grey	Hard	2934	2959			
Sl. & Shls.	Light	Med.	2959	3532			
Sl. & Shls.	Dark	Med.	3532	3566			
Sl. & Shls.	Light	Med.	3566	3874	Test 3627		13.5 M
					Gas-? 3662		15.6 M
Lime	Dark	Hard	3874	4051	Test 4023		12.9 M
					Gas-? 4051		14 M
					Gas 4061		15.3 M
Br. Shale	Brown	Med.	4051	4087			
Lime	Dark	Hard	4087	4112			
Br. Shale	Brown	Med.	4112	4463	Test 4380		13.6 M
					Gas 4392		14.3 M
Slate	White	Soft	4463	4528			
Br. Shale	Brown	Med.	4528	4539			
Slate	Light	Soft	4539	4576			
Br. Shale	Brown	Med.	4576	4600			
Slate	Light	Soft	4600	4663			
Br. Shale	Brown	Med.	4663	4685	Test 4685		13.6 M

Date March 15, 1956

APPROVED OWENS, LIBBEY-OWENS GAS DEPARTMENT, Owner

By A. H. Smith (Title) Geologist



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION / . 9

Quadrangle Bald Knob

Permit No. Hoo-891

WELL RECORD

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Address \_\_\_\_\_

Mineral rights are owned by \_\_\_\_\_

Address \_\_\_\_\_

Drilling commenced \_\_\_\_\_

Drilling completed \_\_\_\_\_

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.

Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4			
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 \_\_\_\_\_

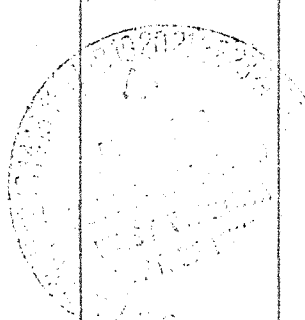
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Continued from previous page:							
Slate	Light	Med.	4685	4776	Gas-? 4765		14.0 M
Slate	Light	Soft	4776	4783			
Br. Shale	Brown	Med.	4783	5085			
Cornif. Lime	Grey	Hard	5085	5087			
			Total Depth	5087			
			Total Depth After Shot	4984			
				461			
					SIM 5087 = Sand LM 5089		
					12-7-55 Shot well with 15,000# Det. from 3550' to 5087'		
					Test before shot:		13.6 M
					" 15 Min. A.S.:		1248 M
					" 1 Hr. "		379 M
					" 38 Hrs. "		47 M
					Bridged hole at 2570'		
					12-9-55 Shot second time with 1200# Detonite from 2449 - 2570 (Weir Shell)		
					Test before shot:		47 M
					. 1 Hr. A.S.:		100 M.
					24 Hrs. " :		49.5 M
					12-11-55 Drilling out bridge.		
					43 Hrs. A.S.:		42.9 M
					52 " "		42.2 M
					Set bridge 2245 to 2205		
					Shot Big Lime from 2140 - 2205		
					Before shot:		33.2 M
					1 Hr. A.S. :		100 M
					5 Hrs. " :		47 M

5085  
837  
-4248



Formation	Color	Hard or Soft	Top <i>1-A</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
							Ran 3 1/2" tubing on upside down packer; set 2074 to 2080 Tests after tubing was installed 36.7 M
							<u>12-19-55</u> Acid treated well used 1000 gal. HCl, 1000 gal. flush water & 55 gal. oil. Test 4 hrs. after acid 167 M " 5 1/2 " " " 121 M
							<u>12-20-55</u> Rock Pressure after 15 Hrs. Tubing 225# Casing 225# Swabbed well. Test after 1 Hr. 147 M 2 Hrs. 114 M 3 " 98 M 4 " 79 M 5 " 65 M 6 " 148 M 6-3/4 " 158 M
							<u>12-21-55</u> Rock Pressure after 14 Hrs. Tubing 200# Casing 200# Pulled 3 1/2" tubing.
							<u>12-22-55</u> Test after well was open 25 Hrs 27 M Built bridge up to 2205' Test before shutting in: 29 M
							<u>12-23-55</u> Rock Pressure after 18 Hrs. Casing 190# Opened well and installed 3 1/2" tubing on bottom with wall anchor packer set at 2067-2073 and 2 perforated joints on bottom. Test after tubing: 45 M
							<u>12-28-55</u> Acid treated with 2000 gal. HCl, 900 gal. flush water and 55 gal. oil. Swabbed well. Test reported 185 M
							<u>12-29-55</u> Rock Pressure after 18 Hrs. Tubing 335# Swabbed well. Test after 6 Hrs. 109 M
							<u>12-30-55</u> Rock Pressure after 18 Hrs. Tubing 300# Swabbed and blew well. Test after 6 Hrs. 53 M
							Shut well in. Final open flow: Big Lime 53 M

Date March 15, 19 56

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