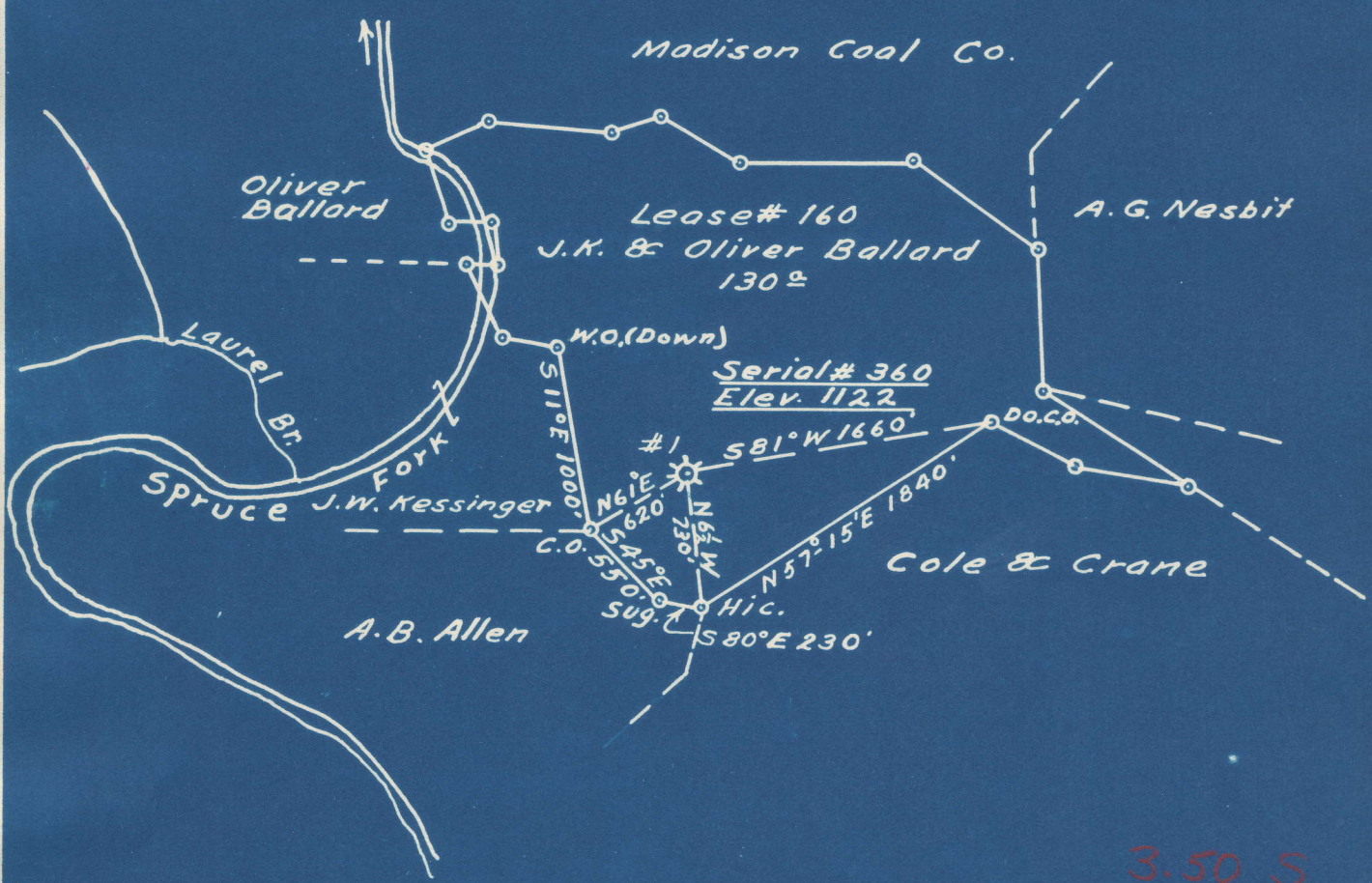


Latitude $38^{\circ} 05'$
 Longitude $81^{\circ} 45'$

Top. Loc.
 + S 3.50"
 W 4.23"



3.50 S
 4.26 W

New Location
 Drill Deeper
 Abandonment

Company Owens, Libbey-Owens Gas Dept.
 Address Box 4158 Charleston 4 W. Va.
 Farm J.K. & Oliver Ballard
 Tract _____ Acres 130 Lease No. 160
 Well (Farm) No. 1 Serial No. 360
 Elevation (Spirit Level) 1122
 Quadrangle Madison 7-S3.50" W 4.23"
 County Boone District Washington
 Engineer T.S. Flournoy
 Engineer's Registration No. 269
 File No. _____ Drawing No. _____
 Date AUG. 19, 1948 Scale 1" = 1000 Ft.

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

WELL LOCATION MAP
 FILE NO. B00-131-A

+ 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.





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Completed. No suspension

576

Ab 131-A

WELL RECORD

Oil or Gas Well Gas
(KIND)

Permit No. 131-A

Company Owens, Libbey-Owens Gas Department

Address P. O. Box 1158, Charleston 4, W. Va.

Farm J. K. Ballard, et al. Acres 130

Location (waters) _____

Well No. OLD #360 - Ballard #1 Elev. _____

District Washington County Boone

The surface of tract is owned in fee by _____

Address _____

Mineral rights are owned by Rona H. Ballard

Address 7th Fifth Ave. Washington, W. Va.

Drilling commenced 6-29-29

Drilling completed 6-12-29

Date Shot 6-12-29 From 2060 To 2065

With 120 Qts.

Open Flow /10ths Water in _____ Inch

/10ths Merc. in _____ Inch

Volume 75 H Barrels Cu. Ft.

Rock Pressure 385 lbs. 2 1/2 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			
16			Kind of Packer
13 <u>Cond.</u>	<u>16</u>	<u>16</u>	<u>Cave Catcher</u>
10	<u>12</u>	<u>12</u>	Size of
8 1/4 <u>567</u>	<u>653</u>	<u>653</u>	Depth set
6 5/8 <u>1312</u>	<u>1361</u>	<u>1361</u>	<u>2039'</u>
5 3/16			Perf. top
3 <u>1998</u>	<u>2103</u>	<u>2103</u>	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

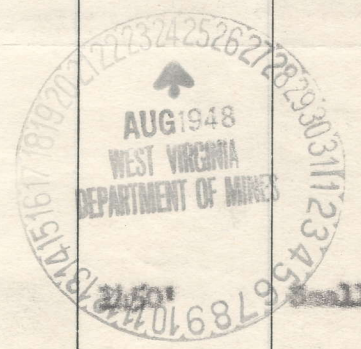
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

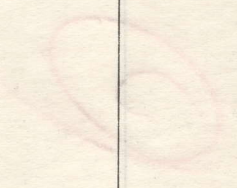
_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	4			
Sand Shells			4	8			
Shale Cave			8	11			
Sand	White	Hard	11	50			
Slate	Black	Soft	50	95			
Sand	White	Hard	95	105			
Slate	Black	Soft	105	115			
Sand	White	Soft	115	115			
Slate	Black	Soft	115	250			
Coal		Soft	250	255			
Slate	Black	Soft	255	310			
Lime	White	Hard	310	350			
Slate	Blue	Soft	350	360			
Sand	White	Soft	360	470	Water	365'	2 10" Bailers Hr.
Slate	Black	Soft	470	500			
Sand	White	Hard	500	715	Water	575'	5 10" Bailers Hr.
Slate	Black	Soft	715	730			
Sand	White	Hard	730	785			
Lime	White	Hard	785	800			
Salt Sand	White	Hard	800	1155	Water	1085'	Filled up to 1085'
Red Rock	Red	Soft	1155	1160			
Slate	Black	Soft	1160	1170			
Lime	White	Hard	1170	1215			
Slate	Black	Soft	1215	1210			
Maxton Shells	Black	Soft	1210	1260			
Slate	Black	Soft	1260	1280			
Little Lime	Black	Hard	1280	1323			
Pencil Cave	Black	Soft	1323	1325			
Lime Shell	White	Hard	1325	1338			
Pencil Cave	White	Soft	1338	1341			
Big Lime			1341	1555	Gas	2150'	Small show.
Injun Sand	Red	Hard	1555	1605			
Slate & Shells	Gray		1605	1765			
Lime Shells	Gray	Hard	1765	1785			
Slate	White	Soft	1785	1910			
Sl. & Shells	Black	Soft	1910	1965			
Lime Shells	Gray	Hard	1965	2025			
Brown Shale	Brown	Soft	2025	2010			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Berea Sand	White	Hard	2040	2065	Gas	2049	43 ft
Line	Black	Hard	2065	2098	Gas	2045	52 ft
Total Depth				2098			



МЕГГ ВЕСОВ

DEPARTMENT OF MINES
STATE OF MISSISSIPPI
Date August 19, 1948

OWENS, LIBBY-OWENS GAS DEPARTMENT, Owner

APPROVED By A. H. McClain (Title) Geologist

