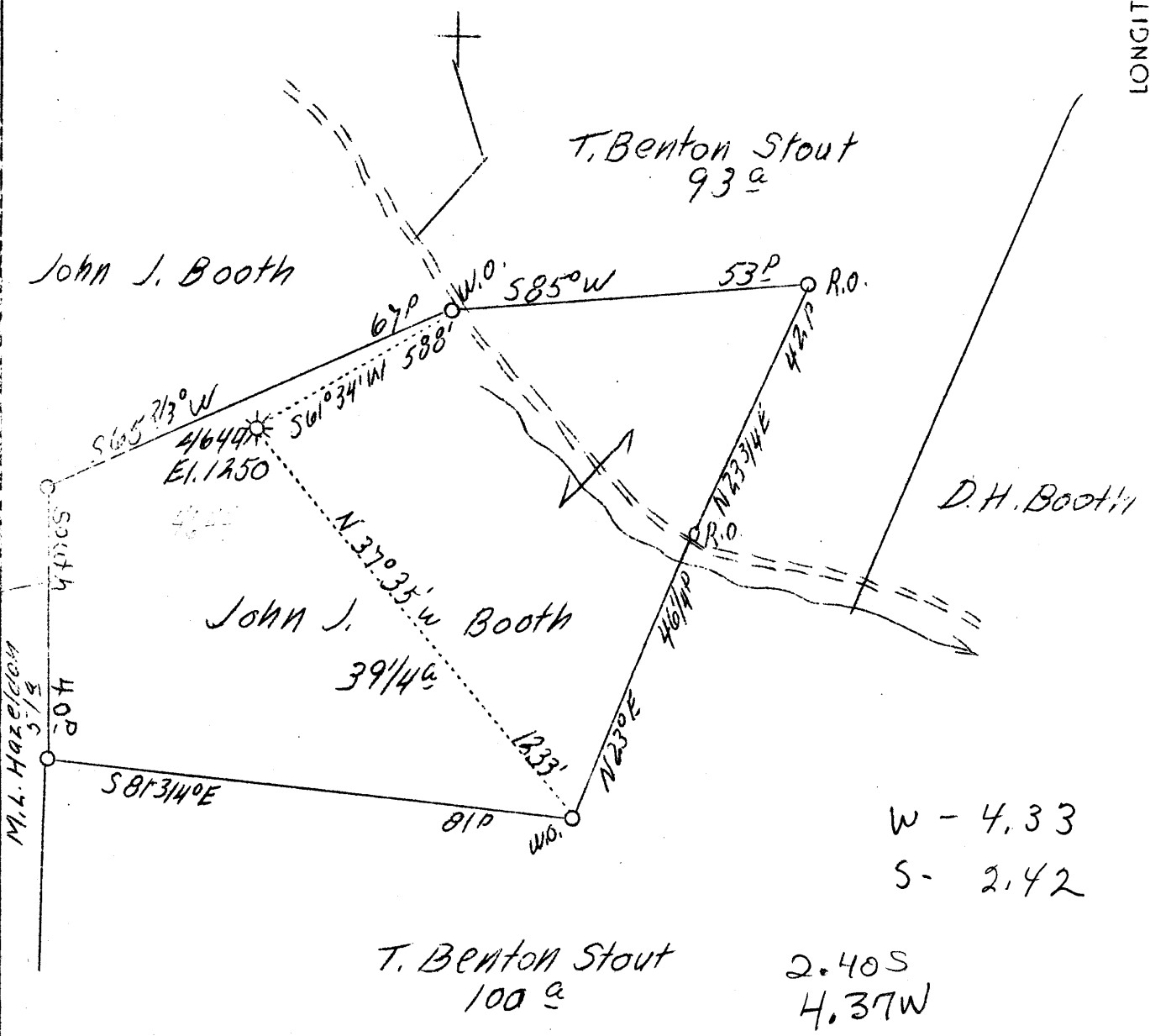


LATITUDE 39° 15'

LONGITUDE 80° 15'



ABD. 4644

F.B. 510 P 23

Company	Hope Natural Gas Co.
Address	Clarksburg, W. Va.
Farm	John J. Booth
Acres	75
Lease No.	21417
Well (Farm) No.	-
Serial No.	4644
Elevation (SL)	1250
Quadrangle	Weston N.E.
County	Harrison
District	Elk
Engineer	W. M. Bowers
Eng. Reg. No.	900
Date	June 29, 1939
Scale	1" - 400'

STATE OF WEST VIRGINIA
 Department of Mines
 OIL & GAS DIVISION
 Charleston

WELL LOCATION MAP

File No. Har-498-A

x Denotes location of well on U. S. 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

397

WELL RECORD

Aband
Permit No. 498-A
Weston NE

Oil or Gas Well Gas
(Kind)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm John J. Booth Acres 75
Location (waters) Elk Lick Run
Well No. 4644 Elev. 1250
District Elk County Harrison
The surface of tract is owned in fee by Joe Spika
R #1 Address Mt. Clare, W. Va.
Mineral rights are owned by _____
Address _____
Drilling commenced 2-14-1917
Drilling completed 3-29-1917
Date shot 4-7-1917 Depth of shot 2470-2484
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water None recorded feet _____ feet
Salt water 650 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	81	81	Size of
8 1/4	1069	Pulled	
6 5/8	1458	1458	Depth set
5 3/16			
3			Perf. top
2	2481	Pulled	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
Not cemented
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
Below coal
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Little Dunkard Sand			400	450			
Big Dunkard Sand			480	520			
Gas Sand			640	710	Water	650	
First Salt Sand			870	930			
Second Salt Sand			940	1040			
Maxon Sand			None				
Little Lime			1454	1464			
Pencil Cave			1464	1480			
Big Lime			1480	1555			
Big Injun Sand			1555	1680			
Squaw Sand			1740	1755			
Fifty Foot Sand			1975	2010			
Thirty Foot Sand			2025	2190			
Gordon Stray			2255	2265			
Gordon Sand			2296	2320			
Fourth Sand			2335	2345			
Fifth Sand			2470	2494	Gas	2472	
Total Depth				2533			

