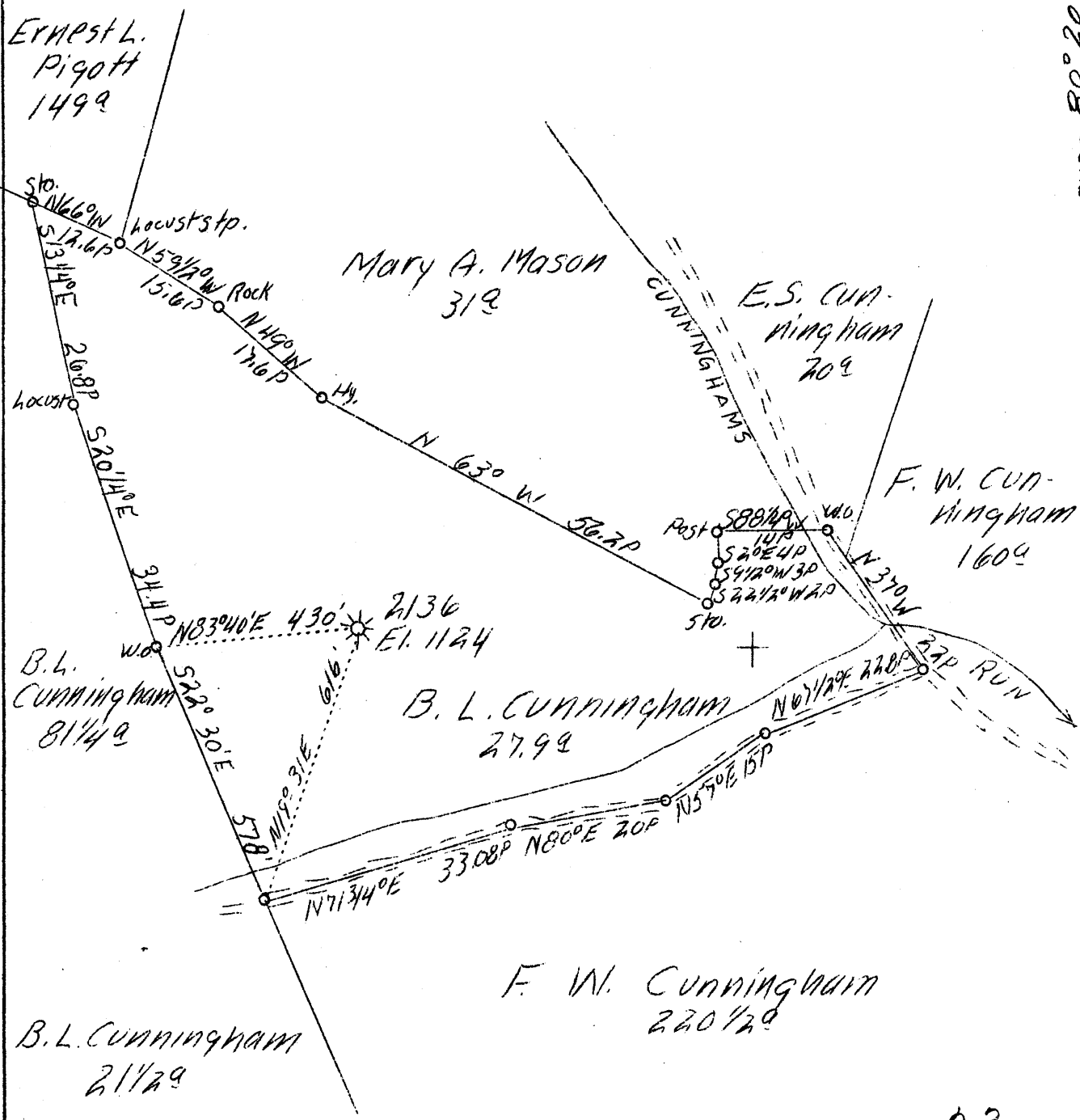


LATITUDE 39°30'

LONGITUDE 80°20'



W - 2.3
S - 5.12

5.04S
2.26W

ABD.

F.B. 538P39

Company	Hope Natural Gas Co.
Address	Clarksburg, W. Va.
Farm	B. L. Cunningham
Acres	50
Well (Farm) No.	-
Serial No.	2136
Elevation (SL)	1124
Quadrangle	Clarksburg, W. Va.
County	Harrison
District	Eagle
Engineer	W. M. Bowers
Eng. Reg. No.	900
Date	June 7, 1939
Scale	1" - 20 poles

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

WELL LOCATION MAP

File No. Har-490-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

400

WELL RECORD

Permit No. *490-A*
Clarksburg, N.C.

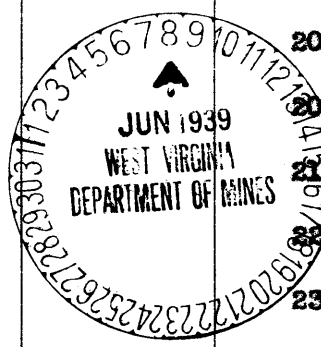
Oil or Gas Well Gas
(Kind)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm B. L. Cunningham Acres 50
Location (waters) Cunningham Run
Well No. 2136 Elev 1124
District Eagle County Harrison
The surface of tract is owned in fee by James L. Haldreth
Address Shinnston, W. Va.
Mineral rights are owned by _____
Address _____
Drilling commenced 3-4-1911
Drilling completed 4-24-1911
Date shot 4-24-1911 Depth of shot 5th sand.
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 None recorded feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	198	198	Size of
8 1/4	819	Pulled	
6 5/8	1509	1509	Depth set
5 3/16	2307	2307	
3			Perf. top
2	2588	Pulled	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 10" SIZE 198 to 74 No. FT. 1911 Date
10" casing cemented from 198 to 74' of surfa e.
COAL WAS ENCOUNTERED AT 138 FEET 48 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Pittsburgh Coal			138	142			
Little Dunkard Sand			490	513			
Big Dunkard Sand			610	710			
Gas Sand			792	916			
First Salt Sand			928	956			
Second Salt Sand			970	1244			
Maxon Sand			1292	1334			
Little Lime			1436	1441			
Pencil Cave			1441	1445			
Big Lime			1445	1507			
Big Injun Sand			1508	1617	Gas	1545	
Squaw Sand			1627	1645			
Berea Sand			1926	1931			
Gantz Sand			2015	2031	Gas	2018	
Fifty Foot Sand			2070	2128	Gas	2072	
Thirty Foot Sand			2147	2175			
Gordon Stray Sand			2294	2319			
Gordon Sand			2335	2363	Gas	2350	
Fourth Sand			2365	2415	Gas	2368	
Fifth Sand			2494	2498	Gas	2496	
Total Depth			-----	2588			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date **June 7,** 19**39**

APPROVED **Hope Natural Gas Company**, Owner

By *[Signature]* **General Supt.**

(Title) *m*