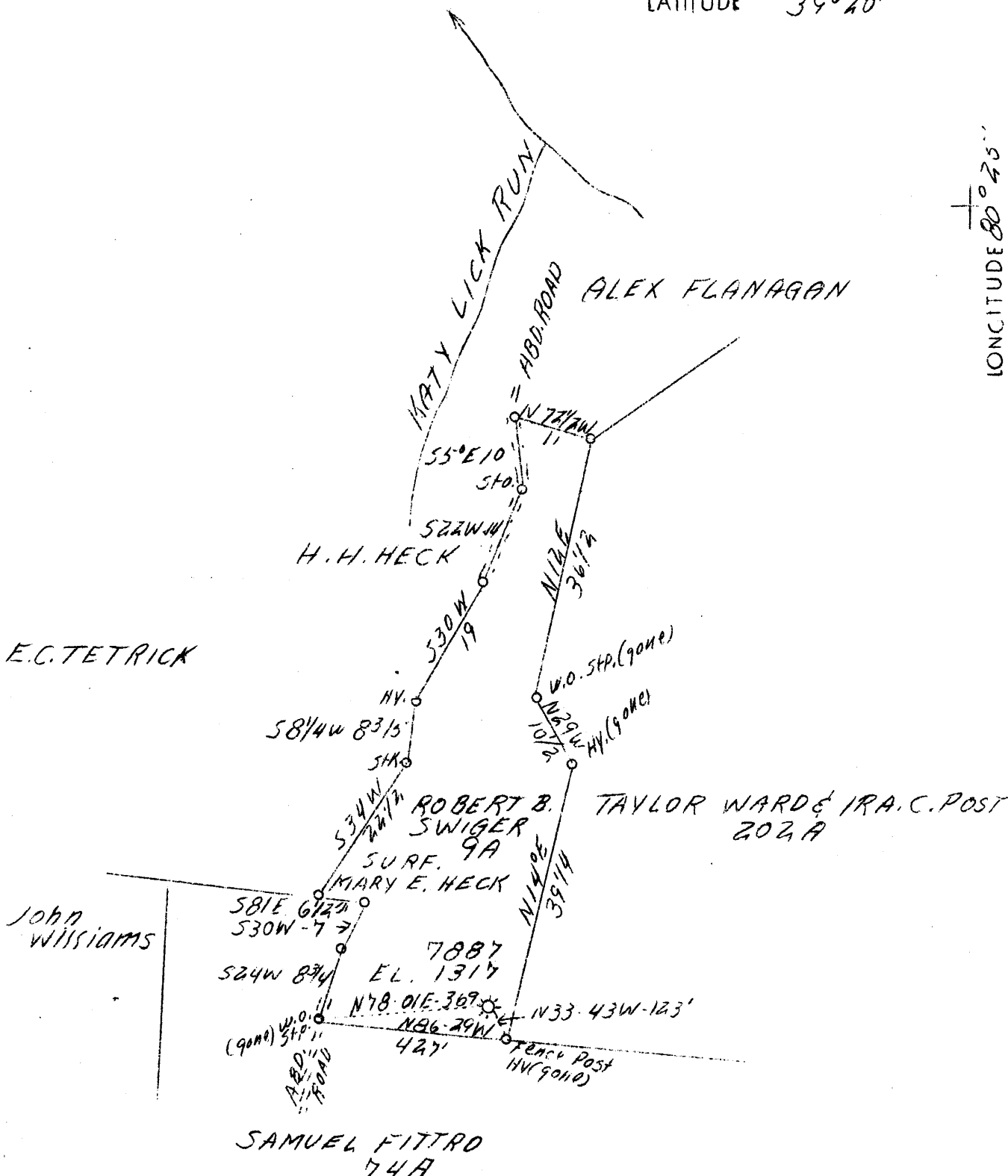


LATITUDE 39°20'

LONGITUDE 80°25'



1.52S
0.28W
S-1.55
W-0.29

A.B.D.

F.B. 657 P 28 SIDE II MAP - 44

Company Hope Nat'l Gas Co.
 Address Clarksburg, W.Va.
 Farm Robert B. Swiger
 Tract 1
 Acres 9
 Lease No. 52226
 Serial No. 7887
 Well (Farm) No. 1
 El. (S.L.) k3k7
 Quadrangle SW Clarksburg
 County Harrison
 District Sardis
 Eng. W.M Bowers
 Eng. Reg. No. 900
 Date 9/1/39
 Scale 1" - 20 Poles

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

WELL LOCATION MAP

File No. HGT-519-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 trading.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

439

WELL RECORD

AB 519-A

Permit No. _____

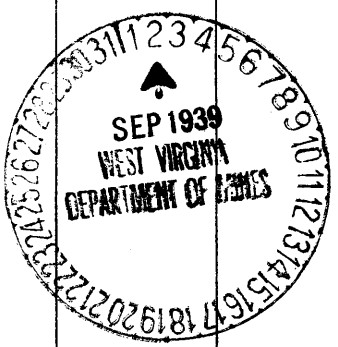
Oil or Gas Well _____
(Kind) Gas

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm Robert B. Swiger Acres 9
Location (waters) Katy Lick Run
Well No. 7887 Elev. 1317
District Sardis County Harrison
The surface of tract is owned in fee by Mary E. Heck
Address Clarksburg, W. Va.
Mineral rights are owned by Chiefton Coal Company
Address Wilsonburg, W. Va.
Drilling commenced 8-25-1917
Drilling completed 10-31-1917
Date shot Not shot Depth of shot _____
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			
16			Kind of Packer
13			
10	225	225	Size of
8 1/4	1240	1240	
6 5/8	1582	1582	Depth set
5 3/16			
3			Perf. top
2	2565	2565	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
Not cemented
COAL WAS ENCOUNTERED AT 170 FEET 50 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			170	175			
Big Dunkard Sand			660	835			
Sand			845	955			
Sand			975	1050			
Sand			1100	1230			
Sand			1260	1320			
Big Lime			1560	1611			
Big Injun Sand			1611	1682	Gas	1625	
Sand			2040	2085			
Thirty Foot Sand			2136	2155	Gas	2140	
Gordon Stray Sand			2170	2212			
Gordon Sand			2223	2247			
Fifth Sand			2542	2551	Gas	2544	
Total Depth			2567				



FIRST PRESSURE TEST IN 6 5/8 CASING

REMARKS

30 Sec. 5 lbs. 8/10 in 2"
 1 Min. 9 "
 2 " 14 "
 5 " 28 "
 10 " 53 "
 15 " 73 " 88
 30 " 110 " 142
 Rock Pressure 181 " in 6 hrs.
 Taken Nov 1 19 17
 By P. N. Dolan

WELL TUBED AND PACKED Nov 6 19 17

VIZ: Used 124 ft. 2 5/8" ft 2" Tubing
1 - 6 5/8 x 2 A. W. Dacker
47 ft. 948 ft. of Anchor 4 ft. off bottom packer set 1615'

FIRST PRESSURE TEST IN 2" TUBING

REMARKS

30 Sec. 30 lbs.
 1 Min. 42 "
 2 " 54 "
 5 " 80 "
 10 " 106 "
 15 " 120 " 128
 30 " 137 " 150
 Rock Pressure 185 " in 40 hrs.
 Taken Nov 6 19 17
 By J. M. Clark

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES: