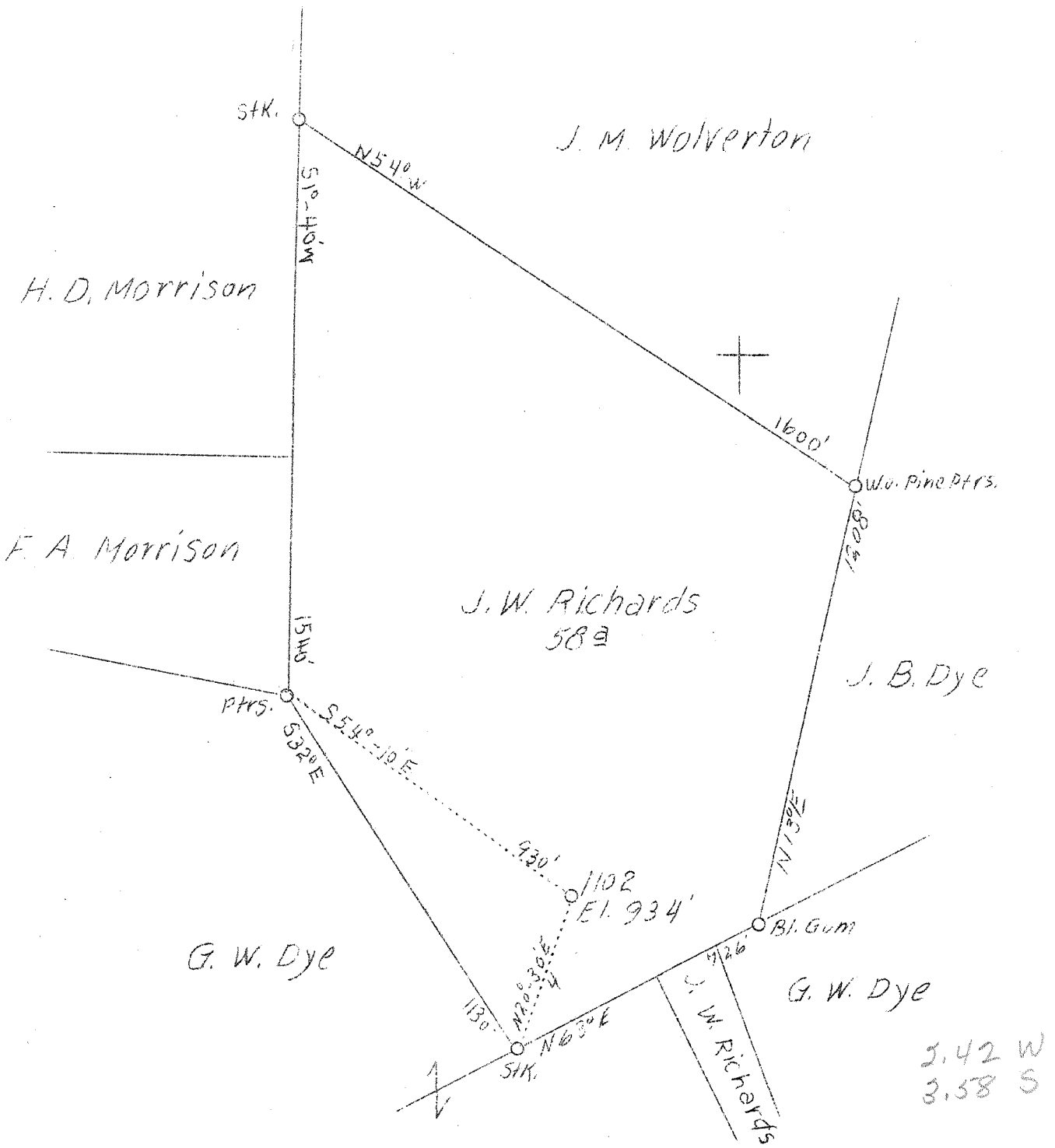


LATITUDE 39° 05'

LONGITUDE 81° 05'



A.B.D.

(F.B. 320 P. 58) (A.B. 367 P. 14) (A.B.)

Company	Hope Const. & Refining Co.
Address	Clarksburg, W. Va.
Farm	J. W. Richards
Acres	58
Lease No.	26923
Well (Farm) No.	One
Serial No.	1102
Elevation (SP)	934'
Quadrangle	Harrisville 3 C
County	Calhoun
District	Sheridan
Engineer	J. R. Clark
Eng. Reg. No.	744
Date	-
Scale	1" = 400'

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

WELL LOCATION MAP

File No. Col-90-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.

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

232

WELL RECORD

90-A

Permit No.

Oil or Gas Well oil?
(Kind)

Company H. E. Milliken & A. W. Snider
 Address Garrison, Pa.
 Farm J. W. Richards Acres 58
 Location (waters) Two Mile Run
 Well No. 1102 (No.1) Elev. 934
 District Sheridan County Calhoun
 The surface of tract is owned in fee by.....
 Address.....
 Mineral rights are owned by.....
 Address.....
 Drilling commenced 1-29-1925
 Drilling completed 2-19-1925
 Date shot 5-2-1927 Depth of shot 1975-1996
 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	202	202	Size of.....
8 1/4	1011	1011	
6 5/8			Depth set.....
5 3/16	1905	1905	
3			Perf. top.....
2	2150	2150	Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

CASING CEMENTED.....SIZE.....No. FT.....Date
Not cemented
 COAL WAS ENCOUNTERED AT.....FEET.....INCHES
 FEET No. cos INCHES.....FEET.....INCHES
 FEET.....INCHES.....FEET.....INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Little Dunkard Sand			900	930			
Big Dunkard Sand			1013	1049			
Sand			1155	1174	Small Gas	1164	
Gas Sand			1270	1395	Small Gas	1385	
First Salt Sand			1555	1600			
Second Salt Sand			1615	1660	Gas	1630 1635	
Maxon Sand			1700	1883	Gas	1715-1719	
Big Lime			1884	1948			
Big Injun Sand			1948	2025	Gas	1993	
Squaw Sand			2047	2050			
Total Depth				2160			