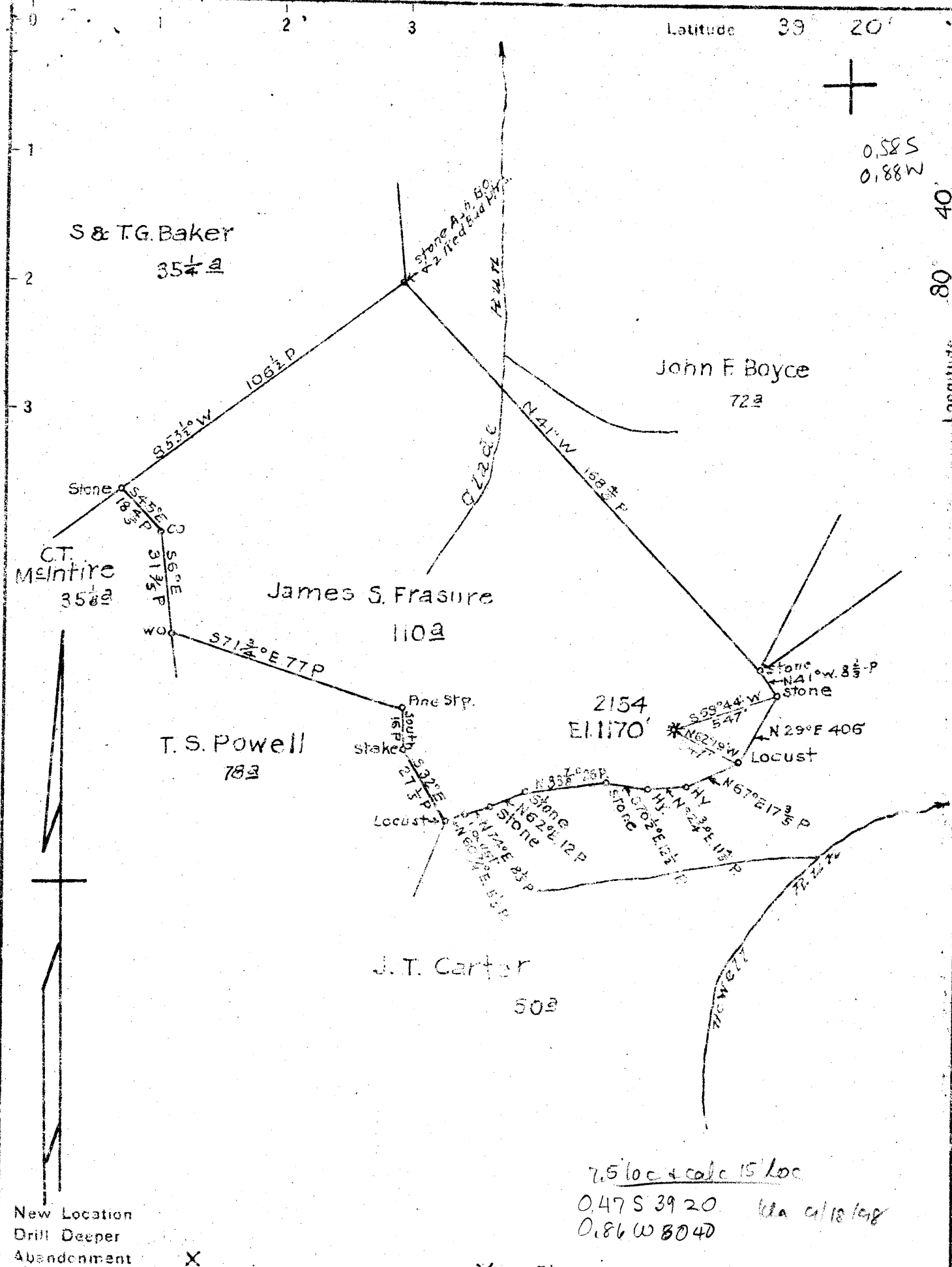


Latitude 39 20'



0.58 S  
0.88 W

Longitude 80 40'





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

440

WELL RECORD

Permit No. AB 537-A

Oil or Gas Well (KIND)

Company Hope Natural Gas Company.  
 Address 445 West Main St. Clarksburg, W. Va.  
 Farm James S. Frasure Acres 110  
 Location (waters) \_\_\_\_\_  
 Well No. 2154 Elev. 1170  
 District Grant County Doddridge  
 The surface of tract is owned in fee by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Mineral rights are owned by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Drilling commenced May 20, 1911  
 Drilling completed June 27, 1911  
 Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 With \_\_\_\_\_  
 Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water 1486 feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<b>211</b>	<b>211</b>	Size of
8 1/4	<b>1134</b>	<b>1134</b>	
6 5/8	<b>1991</b>	<b>1991</b>	Depth set
5 3/16			
3			Perf. top
2	<b>2115</b>	<b>2115</b>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

**Not**  
 CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 430 FEET 48 INCHES  
676 FEET 24 INCHES FEET INCHES  
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Native coal			430	434			
Pittsburgh Coal			676	678			
Little Dunkard			1066	1080			
Big Dunkard			1186	1211			
Gas sand			1334	1384			
First Salt			1440	1460			
Second Salt			1479	1865	water	1486	
Maxon			1870	1940	show gas	1920	
Little Lime			1950	1970			
Pencil cave			1970	1980			
Big Lime			1980	2074			
Big Injun			2074		gas	2090-2115	
Total depth				2115			
Had been drilled to			2884	and filled back.			

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

Date September 20, 1946, 19

APPROVED Hope Natural Gas Company, Owner

By [Signature] General Superintendent.

