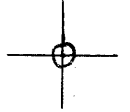


LATITUDE 39° 35' 00"

80° 42' 30"

LONGITUDE



7'5 OGIS topo location

7.5' loc	<u>1.55S</u>	15' loc	_____
	<u>0.22W</u>	(calc.)	_____

Company \_\_\_\_\_

Farm \_\_\_\_\_

Quad PINE GROVE 7 1/2'

County WETZEL

District GREEN

WELL LOCATION MAP

File No. 103 - 0711

(035)

# HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. 5221

Instructions  
See

Jenkins Miller DISTRICT

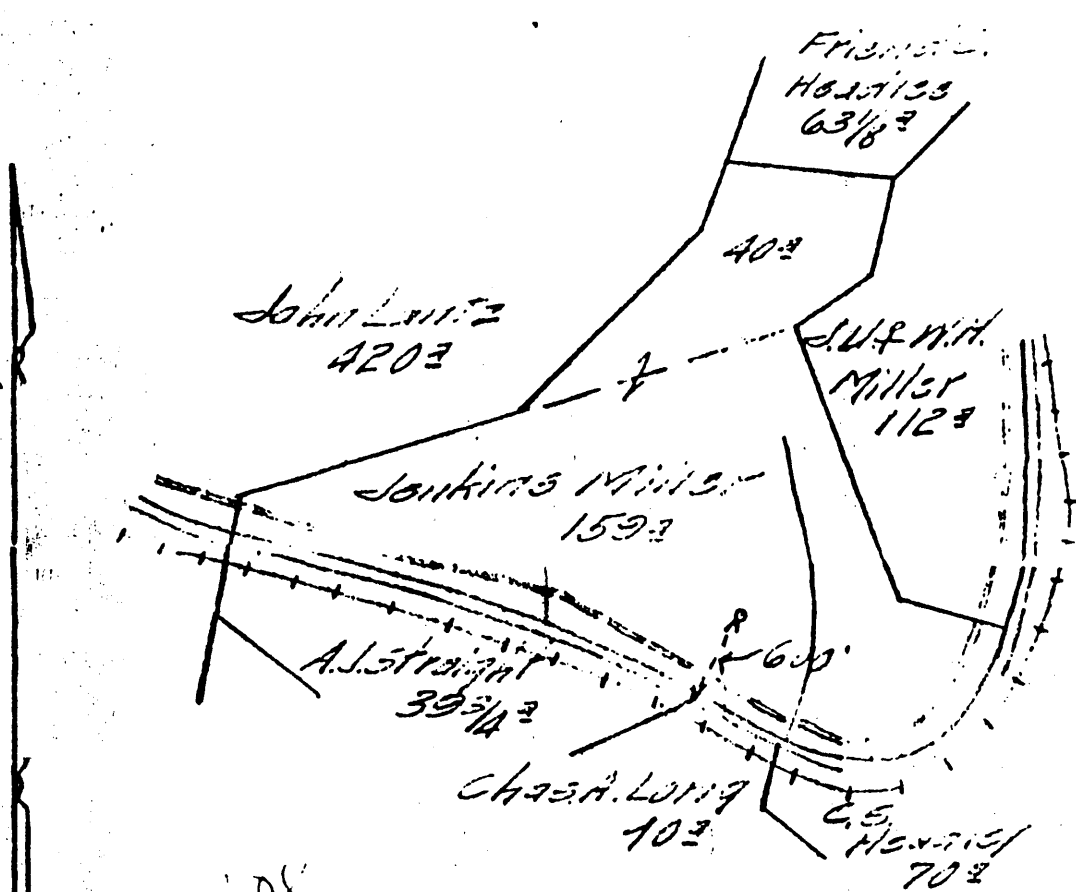
Farm, on waters of Jenkins Miller

District, 2 County, West Virginia.

Lease No. 13467 Acres 200 N. 9 S. 1 E. 5 W. 5

Scale one inch equals 800 feet. Location made in Pittsburgh March 27, 1918 Sent to Clarksburg March 29, 1918

Location to be 600 feet from center of road between Jenkins Miller and Chas. A. Long



Well Book: J.S.H. 15-18  
 Lease Book:           
 Well Map: APR 7 1918 J.S.H.  
 Line Map: APR 1 1918  
 629918

103-0711

TITLE RESERVE 100 feet around the well

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE         

Same Lease on which no Located Well No. 5173

Location Made 3-27-18 by A. L. Reynolds As per plat, except as noted. On field map 3-28-18 Returned to Pittsburgh 3-28-18

Location changed on account of         

Authorized by          Date          Signed

Well No. 5221

WETZEL NATURAL GAS

Company

Located on

Jenkins Miller

Pine Grove

District Green

County

Wetzel

State West Vir

Location Made 3-22-18

Rig Commenced 6-1-18

Drilling Commenced 7-22-18

Rig Contractor H.N.G. Co.

Drillers G.L. Dye and Chas. Tiffany

Tool Dressers C.L. McHenry and H.P. Flanagan

First Work Done 4-2-18

Rig Completed 6-13-18

Drilling Completed 9-16-18

Drilling Contractor W.F. Burgess

H.N.G. Co. Tools. String No.

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal	*278	280					
Pittsburg Coal	*505	507	S.L.				Salt water at 265
Little Dunkard	570	571					*Mapletown Coal
Big Dunkard	1070	1156					
Gas Sand	1156	1264					Hard
First Salt	1264	1325					Slate
Second Salt	1325	1380					1 Sand
Slate-close	1380	1480					Slate - white
Maxon	1525	1580					third salt sand from 1480 to 1525
Little Lime							
Pencil Cave	1700	1714					Shells
Big Lime	1714	1795	S.L.				Top 30 ft. hard and sandy
Big Injun	1795	2020	"				
Slate	2020	2193					
Gantz	2193	2200					
Line	2200	2200					
Black S.	2200	2200					
Line	2200	2200					
Chely	2200	2200					
Bed	2510	2510					Hard
Thirty foot							White
Gordon Stray	2582	2586					Lime Shells
Gordon	2586						
Gas	2588 - 2592 - 2609						More gas at 2600
Fourth							
Fifth							
Bayard							
Total Depth		2614.8					

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use		If more than two strings of casing are left hole, give reasons for leaving additional strings
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Casg.													
10" "	327		308	7	308	7			327	0			
8" "	1237	7	1094				1094				143	7	
6 5/8" "	1931	7	1754				1754				177	7	
5 3/16" "													
2" Tbg.	3061	10	2624				2624		437	10			

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
10"	Shoe(10" casg.)	pulled)	308	Actual S.L. Measurement of shoulder
8"	"		1088	do
6"	"		1744	do
6" x 2"	Anchor	44	2571	do

SHOOTING RECORD (If shot before or upon completion of well)

103-0711

DATE	Quarts	Top of Shell	Bottom of Shell	Diameter	Sand	Test Before Shot			Test After Shot			Test Taken After Shot No. Hours	By Whom Shot	
						Reading	Liquid	Opening	Reading	Liquid	Opening			

CEMENTING RECORD

NOT CEMENTED

Date Cemented..... Size Hole Cemented..... Size Casing Cemented.....  
 Top Pittsburg Coal..... Top Cementing..... Amount Cement Used.....  
 Bottom Pittsburg Coal..... Bottom Cementing..... Amount Sand Used.....  
 Mr..... of..... Coal Company on ground when coal was cemented  
 Remarks..... Signature of persons who cemented well

Approved by.....

Foreman