

LATITUDE 39° 25' 00"



80° 35' 00"

LONGITUDE

7'5 OGIS topo location

7.5' loc 0.70S
1.85W

15' loc 0.70S
(calc.) 1.85W

Company _____

Farm _____

Elev. 905' - 7.5' topo k/c 315/93
Centerpoint C

Quad Folsom 7 1/2'

County DODD RIDGE

District McCLELLAN

WELL LOCATION MAP

File No. 017-1965

71020 on CNG map

HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. 5213

C. 4-H
Instructions N.

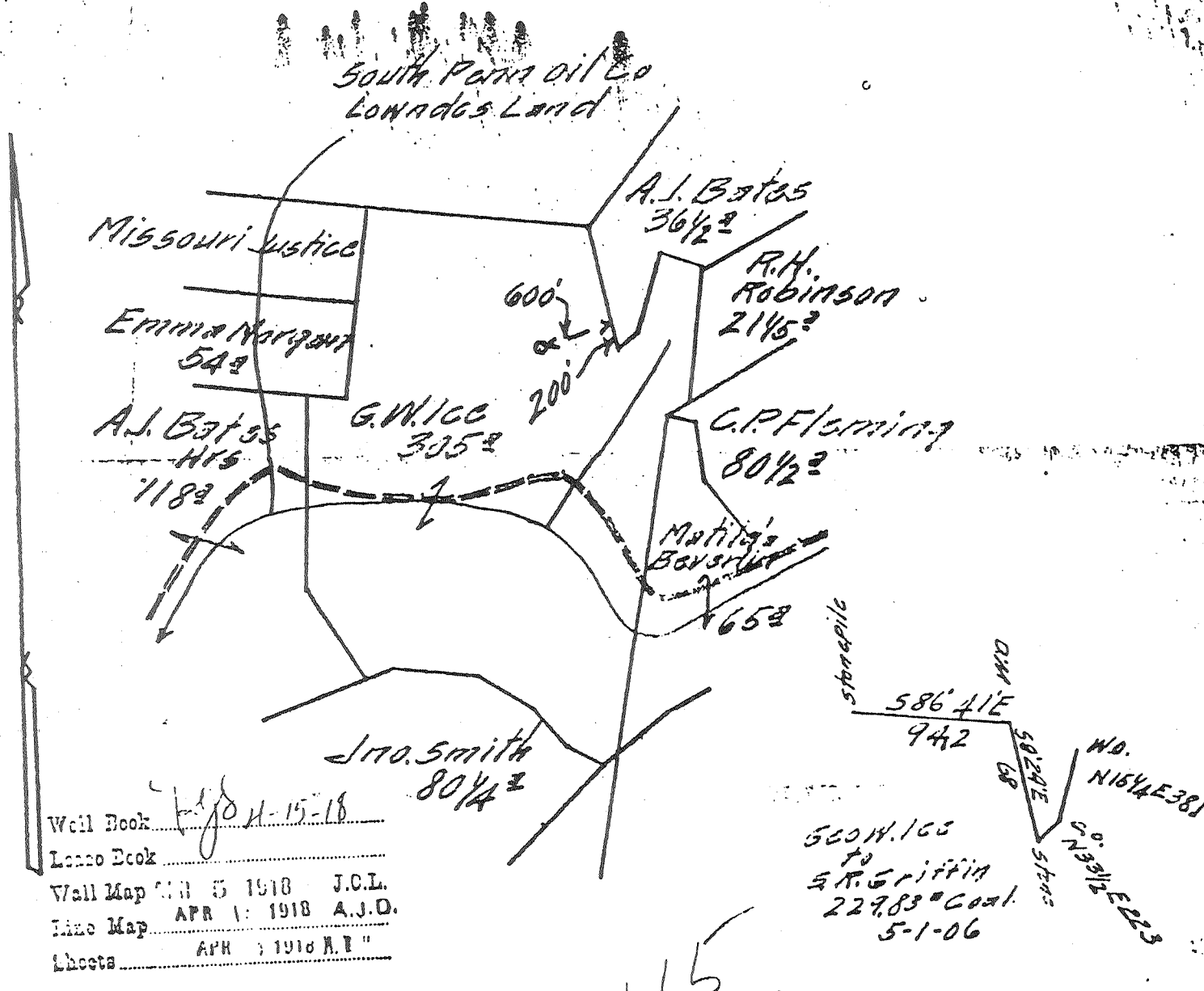
On George H. Dietzel Farm, on waters of Robinson's Fork
District, Doddridge County, West Virginia.

Lease No. 24242 Acres 300 N. 3 S. 3 E. 1 W.

Scale one inch equals 800 feet Location made in Pittsburgh Mar. 18, 1918 Sent to Clarksburg March 19, 1918

Location to be 600 feet from A.J. Bates farm at a point 200 feet from

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TITLE RESERVE Three hundred feet
around the dwelling house

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE _____
Same Lease on which see Located Well No. 4818

Location Made 3-26-18 by R.L. Reynolds As per plat, except as noted. On field map.
3-28-18 Returned to Pittsburgh R.L.R.

Location changed on account of _____
Authorized by _____ Date _____ Signed _____

Folsom 7

Record of *1 rope vibratory* well
 Well No. *5213* Company *Witzel* District *J. N. D.*
 Located on *Geo. W. Ice* Farm
 District *911° Gleason* County *Woodsedge* State *W. Va.*
 Location Made *3-26-1918* First Work Done *4-2-18*
 Rig Commenced *5-15-1918* Rig Completed *5-26-1918*
 Drilling Commenced *6-12-1918* Drilling Completed *7-13-1918*
 Rig Contractor *W. F. Board* Drilling Contractor *Williams & Reynolds*
 Drillers *B. W. French & W. Williams* H. N. G. Co. Tools, String No.
 Tool Dressers *E. W. Ford & J. G. Ford*

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Active Coal	70	74					
Pittsburg Coal	590	594					<i>Sand 979 to 994</i>
Little Dunkard	1022	1049	<i>S.L.</i>				
Big Dunkard							
Gas Sand	1175	1248					
First Salt	1292	1318					
Second Salt	1380	1545		<i>1495</i>			<i>Sand 1680 to 1785 Salt 1/2 barrel per hour</i>
Carbon							
Little Lime	1836	1854					
Concave	1879	1882					
Big Lime	1882	1952					
Big Injun	1952	2050	<i>S.L.</i>				<i>5/10 water thro 657'</i>
Quaw							
Area							
Antz							
Fifty Foot							
Thirty Foot							
Gordon Stray							
Gordon							
Fourth							
Fifth							
Sixth							
Seventh							
Total Depth		<i>2058</i>	<i>S.L.</i>				<i>Contractor measurement 2057</i>

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 in hole, give reasons for leaving additional strings
	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	
13" Csg.													
10" "	300	0	252	0	252	0	-		-		300	0	
8 1/4" "	1107	6	1034	0			1034	0			71	6	<i>S.L. 1026</i>
6 5/8" "	2124	7	1965	0			1965	0			159	7	<i>S.L. 1919</i>
5 3/16" "													
Tbg.													

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
<i>8 1/4</i>	<i>Shoe</i>		<i>1026</i>	
<i>6 5/8</i>	<i>do</i>		<i>1949</i>	

SHOOTING RECORD (If shot before or upon completion of well)													
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		
<i>Not shot</i>													

CEMENTING RECORD

Date Cemented.....*X*..... Size Hole Cemented..... Size Casing Cemented.....
 Top Pittsburg Coal..... Top Cementing..... Amount Cement Used.....
 Bottom Pittsburg Coal..... Bottom Cementing..... Amount Sand Used.....
 Mr. *Well Lock* of *MD & W. Va.* Coal Company on ground when coal was cemented
 Remarks: *Lease Lock* Signature of persons who cemented well
 Wall Map *AUG 9 1918* J.O.L.
 Line Map *AUG 12 1918* A. J. D.
 Sheets *AUG 9 1918* H.E.S.

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Approved by *A. B. Mc...*