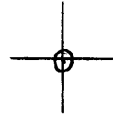


LATITUDE 39° 27' 30"



LONGITUDE 80° 32' 30"

7'5 OGIS topo location

7.5' LOC 0.33S 15' LOC _____
' 0.92W (calc.) _____

Company _____

Farm _____

Quad Folsom 7 1/2'

County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-0712

(101)

HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. 5233

C. 7 S.P.

Instructions U

Wetzel

DISTRICT

Bathurst Carlins Farm, on waters of Archer Fork

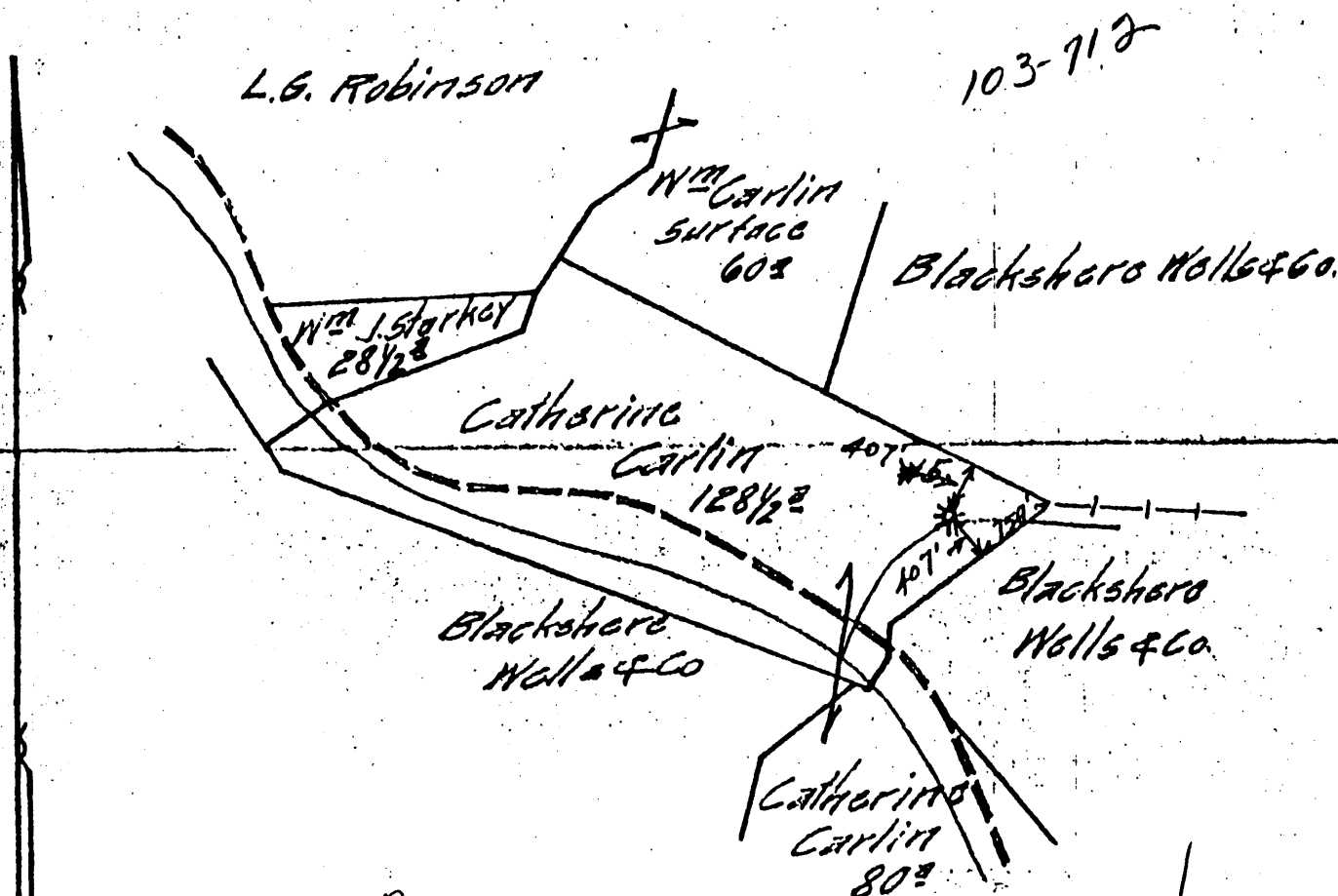
Grant District, Wetzel

County, West Virginia

Lease No. 18765 Acres 335 N. 1 S. 4 E. 4 W.

Scale one inch equals 80 Acres Location made in Pittsburgh July 9, 1918 Sent to Clarksburg July 10, 1918

Location to be



Well Book 209-12-18
 Lease Book _____
 Wall Map AUG 9 1918 J.C.L.
 Line Map AUG 19 1918 A. J. D.
 Plat: AUG 9 1918 W.H.B.

TITLE _____ RESERVE _____

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE _____

Same Lease on which is Located Well No. 1567. Permanently Open S.P.O.

April 5, 1915, having been plotted No 5 on the

Location Made 7-23 18 by R.L. Reynolds As per plat, except as noted. - On field map

7-25 18 Returned to Pittsburgh 7-25 18

Location changed on account of _____

Authorized by _____

Date _____

Signed _____

H. Bradley
Talley

103-0712

Form 121
 Record of *W. J. ...* APR 20 1916 103-712
 Well No. *5233* Company *Metrol*
 Located on *...* District *...*
 District *...* County *Metrol* State *W. Va.*
 Location Made *...*
 Rig Commenced *Nov. 17, 1917* First Work Done *...*
 Drilling Commenced *Dec. 18, 1917* Rig Completed *Nov. 23, 1917*
 Rig Contractor *...* Drilling Completed *April 14, 1918*
 Drillers *...* Drilling Contractor *...*
 Tool Dressers *...* M. H. S. Co. Tools, String No. *...*

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal	751						
Pittsburg Coal	856	774	856				
Little Dunkard	1045	1260					
Big Dunkard	1370	1383					
Gas Sand	1540	1565					
First Salt	1610	1660					
Second Salt	1750	1825					
Maxon	1855	1910					
Little Line	1951	1972					
Pencil Cove	2075	2085					
Big Line							
Big Injan	2186	2287					
Squaw					2260	2194	
Berea						2237	
Gants							
Fifty Foot	2758	2780					
Thirty Foot	2835	2873				2760	No. 114 - 2" 8/9"
Jordon Stray	2900	2945					
Jordon	2962	2965					29234785 - 1 1/2" No. 2 7/9"
Fourth							
Fifth							
Sixth							
Seventh							
Eighth							
Ninth							
Tenth							
Total Depth		2981	2981				

SIZE	Chased to Well		Put in Well		Packed Out		Left in Well		Transferred Before Completing		Left in Well Not in Use		If more than two strings of casing are left in hole, give reasons for leaving additional strings
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Csg.													
10" "			281	-	281	-	None	-					
8 1/2" "			1378	-	1378	-	"	-					
5-8" "			2128	-	None	-	2128	-					
3-16" "			2467	-	"	-	2467	-					
Tbg.													

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
				9 1/4" shoe on bottom of 8 1/2" csg. 6 9/8" "

DATE	Quartz	Top of Shot	Bottom of Shot	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

Top Cemented *...* Side Hole Cemented *...* Size Casing Cemented *...*
 Pittsburg Coal *...* Top Cementing *...* Amount Cement Used *...*
 Bottom Cementing *...* Amount Sand Used *...*
 Well Book *...* Coal Company on ground when coal was cemented *...*
 Lease Book *...* Signature of persons who cemented well *...*
 Wall Map *MAY 17 1910* F.O.L.
 Line Map *MAY 28 1918* R. S. D.
 Sheets *MAY 28 1918* R. S. D.
 Approved by *...*

Hope Natural Gas Company

Well No. 5233

REPAIR RECORD

Pine Grove Dist

Farm Name Catherine Carlin

N S 1 E 3 W

Repairs Commenced Oct. 9th, 1939

Repairs Completed Nov. 30th, 1939

CASING AND TUBING RECORD

Size	Before Repairs	• Pulled	Put in Well	After Repairs	Disposition of Amount Pulled
6-5/8"	2145-0	none	none	2145-0	
5-3/16"	2470	none	none	2470	
2" Tubg	2999-9	2999-9	2996-0	2996-0	end of flo

SHOOTING RECORD

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			
Well Not Shot.														

RECORD OF ANY DEEPER DRILLING

Formation	Top	Bottom	Name of Drillers	Time (Days)
			Harrison E. Ketzler.	38
Commenced drilling at depth of				
Not drilled deeper.				
Pulled 2" tubing, cleaned out, and well re-tubed with 2" tubing.				
			Name of Tool Dressers	Time (Days)
			James R. McCollum	38

PACKER RECORD

(ALSO NOTE BELOW IF ANY PACKERS ARE PULLED)

Size	Kind	Anchor	Amount Above An
6-3/16x2	Comb Hook Wall & Anchor Packer	57' 30"	292'
(5-3/16x2" Packer pulled)			
OIL AND GAS DISCOVERIES IN DEEPER DRILLING			
Oil at		Ft. In	
Gas at		Ft. In	

VOLUME AND PRESSURE REPORT

BEFORE REPAIRS				
Reading	Liquid	Opening	Rock or Minute Pressure	Sands Gas From
20/10	water	1/2" F.M.	R 14	Gordon Stray

AFTER REPAIRS

VOLUME TEST

Date of Test	Flow Meter or open Flow	Size of Opening	FITOT TUBE		OPEN FLOW	Sands Gas From
			Reading	Liquid Used	Lbs.	
12-1-1939	FM	1 1/2	38/10	water	104.468	Gordon Stray
12-1-1939	FM	1/2	28/10	water	9.945	Injun
12-1-1939	FM	1/4	20/10	water	2.104	Fifty Feet.

PRESSURE TEST

Date of Test	Opening	1 Min.	2 Min.	3 Min.	4 Min.	5 Min.	6 Min.	7 Min.	8 Min.	9 Min.	10 Min.	30 Min.	60 Min.	Hrs.
12-1-39	2 tubg	8	28	39	42	47	49	50	51	52	52	55	58	24
12-1-39	6-5/8	0	1	2	3	3	4	5	5	6	7	18	26	24
12-1-39	5-3/16	0	0	0	0	0	1	1	2	2	2	3	5	24

OIL: From _____ Sand: First perforation on bottom, second perforation 21-6/1
 Estimated Production _____ Bbl. per Day set under packer
 Remarks: 1- right & left Collar and Nipple, one joint above packer.

[Signature]
District Superintendent