

LATITUDE

39 35

8040

LONGITUDE

LONGITUDE

→ 7.5' loc
Kla 712/91

7.5 OGIS topo location

7.5' loc 2525
132W

15' loc 2525
(calc.) 132W

Company _____

Farm _____

LOCATION MAP

Quad Pine Grove Li-...

County _____

District Green

WELL LOCATION MAP

File No. Well 713

loc. on plat wet. 1221A

HOPE NATURAL GAS COMPANY

Unplat. West 1221A

LOCATION FOR WELL No. 5241

C. S. P. N.

Instructions

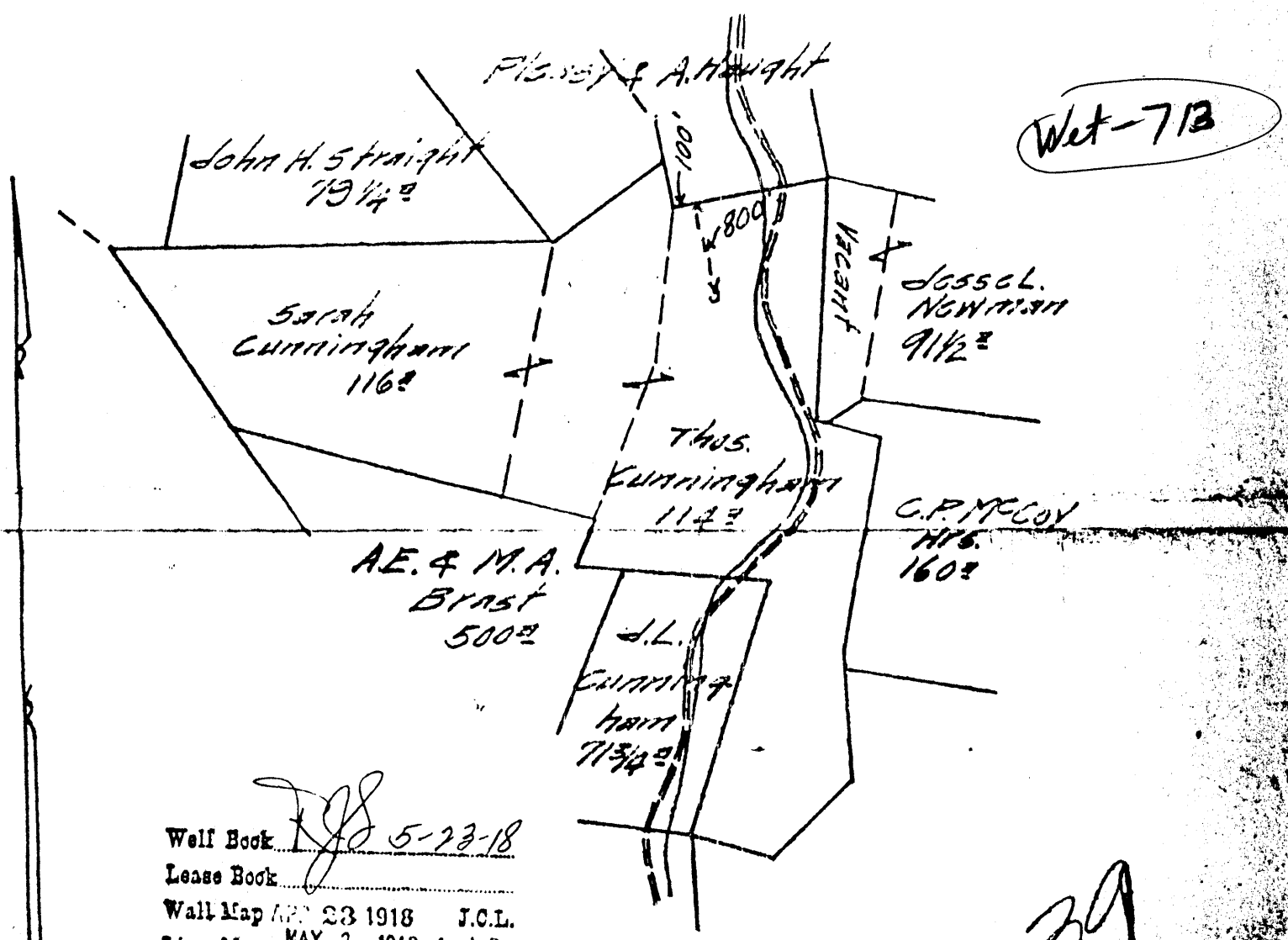
Piney Run DISTRICT

Cunningham Farm, on waters of Piney Run District, Putnam County, West Virginia.

Lease No. 488 Acres 480 1/2 N. 8 S. E. W. 4

Scale one inch equals 800 feet Location made in Pittsburgh Apr 13 1918 Sent to Clarksburg Apr 15 1918

Location to be 800 feet from heavy dump road at a point 100 feet from Piney Run as per plat.



Well Book *RJS* 5-23-18
 Lease Book
 Wall Map APR 23 1918 J.C.L.
 Line Map MAY 2 1918 A.J.D.
 Sheets APR 29 1918 E.I.I.

TITLE RESERVE *See rods of pile buildings*

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE

Same Lease on which Located Well No. 20-3915

Location Made 4-14-18 by *R.F. Reynolds* As per plat, except as noted. On field map 4-20-18 Returned to Pittsburgh 4-20-18

Location changed on account of

Authorized by Date Signed

Record of HOPE NATURAL GAS Company
 Well No. 5241 District Pine Grove
 Located on S. Cunningham Farm
 District Green County Wetzel State West Va.

Location Made 4-19-18 First Work Done 4-22-18
 Rig Commenced 8-8-18 Rig Completed 8-15-18
 Drilling Commenced 1-27-19 Drilling Completed 3-3-19
 Rig Contractor H O P E { Drilling Contractor } Eagon & Edgar
 U. H. N. Co. Tools, String No.
 Drillers Elmer E. Seybert and A. B. Postlethwait
 Tool Dressers R. T. Cunningham and Burrell Headley

FORMATION	Open or Close Hard or Soft	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal	Open	0	0					
Pittsburgh Coal	"	440	445					
Little Dunkard	"	880	890					
Big Dunkard	"	967	1005					
Gas Sand	"	1037	1067					
First Salt	Hard	1185	1215					
Second Salt	Medium	1290	1395		Water salt.			
Water		1330						
Little Lime	Hard	1546	1578	Yes			1558	
Pencil Cave								
Big Lime								
Big Injun								
Squaw								
Berea								
Gantz								
Fifty Feet								
Thirty Feet								
Gordon Stray								
Gordon								
Fourth								
Fifth								
Bayard								
Total Depth			1585					

*Well - 713
(1978 State BK)*

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.
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Csg.	40	10	20	8			20	8	20	2			
10" "	378	4	231				234	0			144	4	
8 1/2" "	1012		975				985				127		
6 5/8" "	2197	11							153	2	2044	9	
6 3/8" "													
4" Tbg.	1778	5	1600				1600				178	5	

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
10"	Casing shoe		231 - 1/4"	Steel line measurement
8 1/2"	"		975	do.
1 1/4" x 5/8"	Anchor packer	32	1553	Perf. 1552 = 1562,

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

DATE	Quartz	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			
NOT SHOT														

CEMENTING RECORD

Date Cemented NOT CEMENTED. Size Hole Cemented..... Size Casing Cemented.....
 Top Pittsburgh Coal..... Top Cementing..... Amount Cement Used.....
 Bottom Pittsburgh 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 (Signed) W. J. Barker