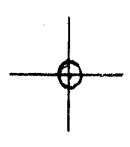


LATITUDE 39° 35' 00"

88° 35' 00" LONGITUDE



7'5 OGIS topo location

7.5' loc	<u>1.415</u>	15' loc	_____
	<u>1.87w</u>	(calc.)	_____

Company _____

Farm _____

Quad BIG RUN 7 1/2'

County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-0700

HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. 4566

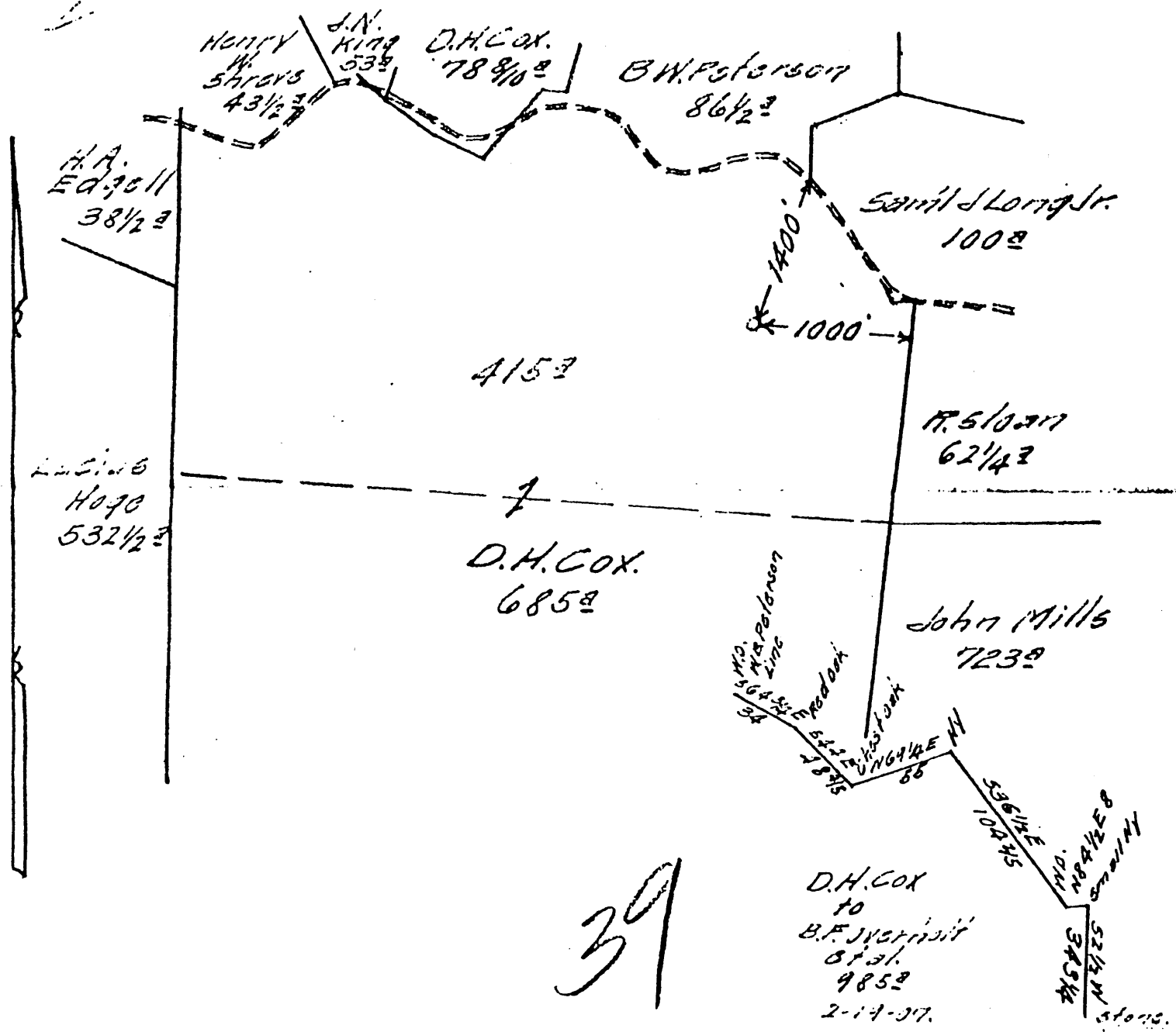
c 4-H
Instructions N

On D.H. Cox Farm, on waters of Trout District, Putnam County, West Virginia.

Lease No. 528 Acres 1100 N. 9 S. 1 E. 1 W.

Scale one inch equals 80 Paces Location made in Pittsburgh Oct 4, 1916 Sent to Clarksburg Oct 5, 1916

Location to be 1000 feet from R. Sloan farm and 1400 feet from Long-Peterson's corner.



TITLE RESERVE None

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE
Same Lease on which 4566 Located Well No. 17-18-19-25-4112

Location made 10-19-16 by P. Scott As per plat, except as noted. — On field map.
10-23-16 Returned to Pittsburgh 10-23-16

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

103-0700

Located on **D.H. Cox.** County **Netzel** State **W. Va.**

District **Grant** Location Made **10-19-17^b** First Work Done **10-23-17^b**
 Rig Commenced **10-20-17^b** Rig Completed **10-22-17^b**
 Drilling Commenced **12-29-16** Drilling Completed **3-31-17**
 Rig Contractor **H.N.G. Co.** Drilling Contractor **Geo. F. Eagon.**
 Drillers **Pat. McLaughlin; P.D. Galvin.** H.N.G. Co. Tools. String No.
 Tool Dressers **Peter Boyd; Ernest Brookover.**

97
18
36

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal	430	436	S.L.				No Water found anyplace in hole.
Pittsburg Coal	894	902	"			894	
Little Dunkard	1245	1275	"				Gas in Pitts. Coal tested 2/10 Water 12' op'g.
Big Limestone	1414	1435	"				
Gas Sand	1510	1545	"				2034 & 2070. 16/10 Merc. 2" op'g.
First Salt	1610	1633	"				
Second Salt	1710	1745	"				
Sand Maxon	1865	1930	"				
Little Lime	2026		"				
Pencil Cave							
Big Lime							
Big Injun							
Squaw							
Berea							
Gantz							
Fifty Foot							
Thirty Foot							
Gordon Stray							
Gordon							
Fourth							
Fifth							
Bayard							
Total Depth	2079		S.L.				

Well Book **5-2-17**
 Lease Book
 Well Map APR 23 1917 J.C.L.
 Line Map MAY 1 1917 A.I.D.
 Sheets APR 30 1917 H.P.

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.	-	-	-	-	-	-	-	-	-	-	-	-	Steel Line Measurements 10" Casing 1270' 8 1/4" " 1884'6"
10" "	1500	9	1284	-	None	-	1284	-	-	-	216	9	
8 1/4" "	2011	6	1903	6	None	-	1903	6	-	-	108	-	
6.5-8" "	808	11	None	-	None	-	None	-	None	-	808	11	
5.3-16" "	-	-	-	-	-	-	-	-	-	-	-	-	
Tbg.													

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
10"	Steel Shoe	None	1270	4" Tubing to be run.
8 1/4"	"	"	1884-6	

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 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 *[Signature]* Foreman

103-0700