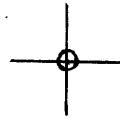


LATITUDE 39° 35' 00"



00° 35' 00" LONGITUDE

7'5 OGIS topo location

7.5' 10C 1.30 S 15' 10C _____
 1.22 W (calc.) _____

Company _____

Farm _____

Quad BIG RUN 7 1/2'

County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-0699

(047)

HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. 4345 c. 8

Instructions

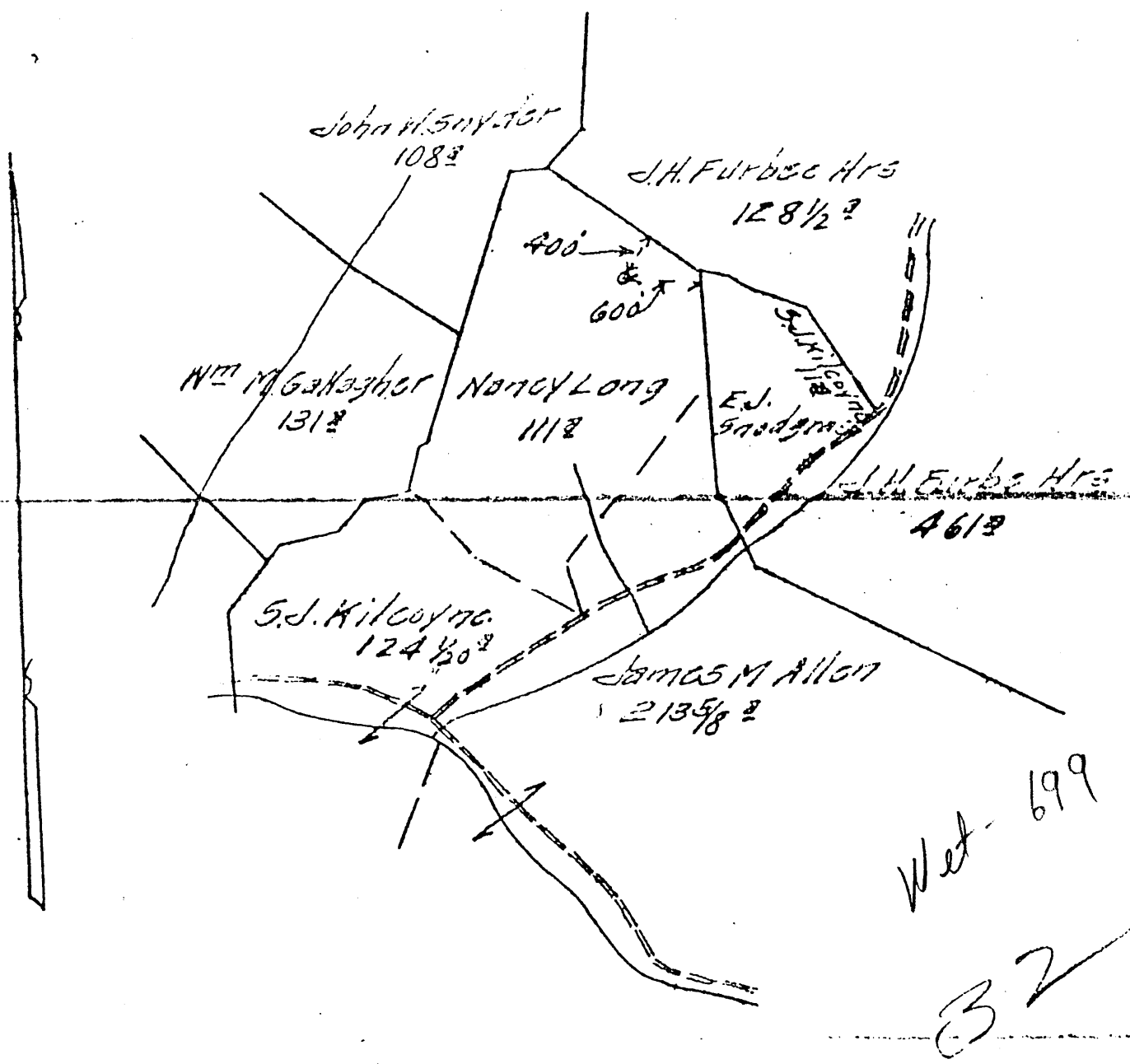
DISTRICT

On John McGeehan Farm, on waters of St. F. Runway Creek
District Putnam County, West Virginia.

Lease No. 3899 Acres 858 N. 8 S. 6 W.

Scale one inch equals 80 Paces Location made in Pittsburgh May 26, 1916 Sent to Clarksburg May 26, 1916

Location to be 600 feet from E. J. Snodgrass farm and 400 feet from J. H. Furbee Mrs. farm.



Wet - 699

32

TITLE RESERVE Twenty acres around the buildings and garage yard.

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE

Same Lease on which are Located Well No. 378-499-2274-2883

Location made 6-6-16 by G. H. Cunningham & per plat, except as noted. On field map.

6-8-16 Returned to Pittsburgh 6-8-16

Location changed on account of

Authorized by _____ Date _____ Signed _____

Well No. 1385 J. W. Allen Farm August 10th, 1922
 District Wetzel Commenced May 10th, 1922.
 N 8 S 6 E 6 W **REPAIRS** Completed August 9th, 1922.

CASING AND TUBING RECORD 32

Size	Before Repairs	Pulled	Put in Well	After Repairs	Disposition of Amount Pulled
13"	359'3"	None	None	359'3"	Could not pull 13"
10"	1411'	None	None	1411'	Could not Pull 10" Casing.
8 1/2"	1736'6"	1736'6"	None	None	Taken to Smithfield Stock
6 1/2"	None		2229'	2229'	2" Tubg put in well 3177'3"

SHOOTING RECORD

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			
8/8/22														

RECORD OF ANY DEEPER DRILLING

Formation	Top	Bottom	Names of Drillers		Time (Days)
Commenced drilling at depth of	1747		James Lee Horner		75 days
Sand	1850	1910	Wm. Arza Swiger		75 "
Little Lime	2170	2185	Names of Tool Dressers		Time (Days)
Pencil Cave	2185	2188	Harvey L. Booher		75 Days
Big Lime	2188	2235	Jacob L. Starkey		75 "
PACKER RECORD (ALSO NOTE BELOW IF ANY PACKERS ARE PULLED)					
Size	Kind	Anchor	Amount Above Anchor		
5 1/2 X 2	Hook Wall Anc	79'7"	3097'		
OIL AND GAS DISCOVERIES IN DEEPER DRILLING					
Oil at		Ft. in		Sa	
Gas at		Ft. in		Sa	
		2275-3085-3096		Injun & Gordon sa	
Formation	Top	Bottom			
Total Depth	3125	3154			

VOLUME AND PRESSURE REPORT

BEFORE REPAIRS

Reading	Liquid	Opening	Rock or Minute Pressure	Sands Gas From
18/10	Water	1"	Rock 75#	2nd Salt

AFTER REPAIRS

VOLUME TEST

Date of Test	Opening	PITOT TUBE		OPEN FLOW	Sands Gas From
		Reading	Liquid Used	Lbs.	
8/8/22	1" Casing	24/10	Water		Injun
Time Blown	2" Tubing	18/10	Mercury		Gordon
					58,272
					744,480

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.
8/8/22	1" Casing	0	0	0	0	0	0	0	0	0	0	0	10	24
Time Blown	2" Tubing	75	125	150	165	195	200	200	200	205	205	220	230	24

OIL: From Sand
 Estimated Production Bbl. per Day
 Remarks:

L. B. Meredith
 FOREMAN

3154
 747
 1407

Wet-699

Well No. 1345 Located on J.M. Allen District Grant County Wetzel 699 State W. Va.

Location Made June 6 - 1916 First Work Done June 8 - 1916
 Rig Commenced July 7 - 1916 Rig Completed July 17 - 1916
 Drilling Commenced Aug. 1 - 1916 Drilling Completed Sept. 16 - 1916
 Rig Contractor J.F. Kendall Drilling Contractor Hope D. Dert
 Drillers E. Edgar Sale H. M. O. Co. Tools, String No. }
 Tool Dressers W. N. Shreve

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal							
Pittsburg Coal	945	951	S.L.				
Little Dunkard	1305	1320					
Gas Sand	1484	1525					
First Salt	1530	1647					
Second Salt	1714					1740	26/10 Water thro 3"
Maxon						1743	
Little Lime							
Pencil Cave							
Big Lime							
Big Injun							
Squaw							
Berea							
Gantz							
Fifty Foot							
Thirty Foot							
Gordon Stray							
Gordon							
Fourth							
Fifth							
Bayard							
Total Depth	1747'6" S.L.						WET-699

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.	399	5	359	3	-	-	359	3	-	-	40	2	S.L. 356' * Well will
10" "	1645	5	1411	-	-	-	1411	-	-	-	234	5	S.L. 1400' likely be
8 1/4" "	2195	9	1736	6	-	-	1736	6	12	7	446	8	S.L. 1712' 10" drilled to
6 5/8" Berr.	12	7	-	-	-	-	-	-	-	-	12	7	lower sand
5 3-16" "													later.
4 Tbg.	1837	6	1758	2	-	-	1758	2	-	-	79	4	S.L. 1747'6"
Perf 4"	10										10		

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
8 1/4 x 4"	Anchor	19'4"	1738'10"	S.L. 1747'6" 1- 8 1/4 Steel shoe on bottom of 8 1/4 casing

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		

CEMENTING RECORD

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: Well Log Feb 20, 1917 G.C.R. Signature of persons who cemented well
 Log's Log
 Well Log SEP 9, 1916 J.O.L.
 Log's Log OCT 16, 1916 A.J.D.
 Log's Log OCT 6, 1916 H.S.
 Approved by A.B. Trenchard Foreman