

LATITUDE

39° 15' 00"

80° 22' 30"

LONGITUDE

2.845
1.98W

7.5 OGIS topo location

7.5' loc

15' loc 2.845
(calc.) 4.21W

Company H. N. G. Co. 4195

Farm M. Bennett

Elev. 1185' Topo East

Quad West Melford/Western NC

County Harrison

District Union

WELL LOCATION MAP

File No. 033-1404

HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. *195*

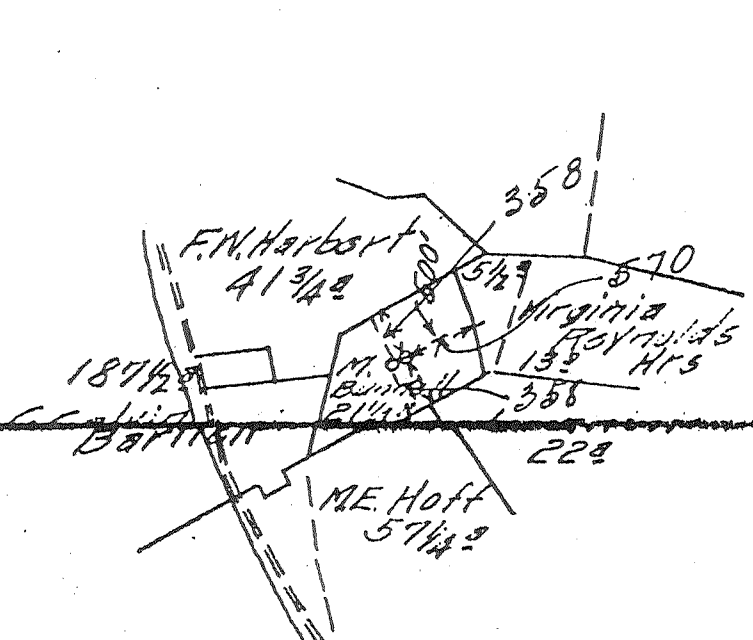
c 2
Instruction *u*

On *Kanawha* DISTRICT
Mannie E. Bunnell Farm, on waters of *Chalco Run*
Harrison District, *Harrison* County, West Virginia

Lease No. *23742* Acres *22* N. S. *17* E. *11* W.

Scale one inch equals *80 Poles* Location made in Pittsburgh *May 7 1916* Sent to Clarksburg *Mar 7 1916*

Location to be *In center of tract at a point 500 feet from Virginia Reynolds Wood Farm*



55

TITLE RESERVE *One hundred twenty five feet around dwelling house building*

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE *Nov 28 1916*

Same Lease on which Located Well No.

Location made *3-11-16* by *N.D.G. Shaw* As per plat, except as noted. On field map *3-15-16* Returned to Pittsburgh *3-15-16*

Location changed on account of *name*

Authorized by *J. B. Currier* Date *3-15-16*

Signed *W. T. Bradley*
W.T.B.

Permit no. - *033-1404*

Well No. 4195

Located on 21st St. & ...

District ... County Harrison State ...



Location Made Mar. 14 1916

First Work Done Apr. 22 1916

Rig Commenced Apr. 22 1916

Rig Completed Apr. 27 1916

Drilling Commenced May 5 1916

Drilling Completed June 17 1916

Rig Contractor ...

Drilling Contractor ...

Drillers ...

H. N. G. Co. Tools. String No.

Tool Dressers ...

... B. St. Clair

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal							
Pittsburg Coal							
Little Dunkard							
Big Dunkard							
Gas Sand	593	627	3 1/2				
First Salt	813	865	"				
Second Salt	870	978	"				
Maxon	1270	1275	"				
Little Lime	1305	1320	"				
Pencil Cave			"				
Big Lime	1398	1477	"				
Big Injun	1477	1555	"				
Squaw	1567	1600	"				
Berea							
Gantz	1848	1863	"			1857	84 Met
Fifty Foot	1917	1935	"				4/10 CO. 2" op.
Thirty Foot	2003	2018	"			2005 1/2	30/10 W. 3" op. Only 43
Gordon Stray	2100	2127	"				520 Met
Gordon							
Fourth							
Fifth	2335	2341	"			2338	484 Met
Bayard							26/10 W. 3" op. Only 30 ft
Total Depth		2513	filled up to		2392		

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.													
10" "	241	11	166	-	166	-	None	-	None	-	241	11	8 1/2 165
8 1/2" "	1094	3	1028	-	1028	-	None	-	None	-	1094	3	5 1/2 1019 6
6 5/8" "	1875	11	1484	-	None	-	None	-	109	1	288	10	3 1/2 1472
5 3/16" "	2252	2	None	-	None	-	None	-	None	-	2252	2	
2 Tbg.	2438	10	2396	-	None	-	2396	-	None	-	42	10	
2 Aug	8	-	8	-	None	-	8	-	None	-			

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
8 1/2" x 18	P.H. OR	678	2014	
1 3/8" x 2	anc.	378		

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				
		Not shot													

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	Signature of persons who cemented well	

APPROVED BY: JUL 20 1916 J.C.L.
 JUL 26 1916 A.J.D.
 JUL 22 1916 H.B.S. Approved by: [Signature] Foreman
 Permit no. - 033-1404