



Company HOPE NATURAL GAS CO.

Address CLARKSBURG, WEST VA.

Farm E. M. ARBOGAST

Tract _____ Acres 362.82 Lease No. 46378

Well (Farm) No. _____ Serial No. 7660

Elevation (Spirit Level) 746'

Quadrangle MADISON

County BOONE District CROOK

Engineer Guy H. Bradley

Engineer's Registration No. 2425

File No. _____ Drawing No. _____

Date 6-17-55 Scale 1" = 200'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. B00-239-A

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

Well No. *7660* Lease No. _____ Name *E. M. Arbogast* District _____
District *Crooke* County *Bowling* State *W. Va.*

Location Made _____ First Work Done _____
Rig Commenced _____ Rig Completed _____
Drilling Commenced _____ Drilling Completed *5-18-27*
Rig Contractor _____ { Drilling Contractor }
Drillers _____ { H. N. G. Co. Tools, String No. }
Tool Dressers _____

FORMATION	Open or Close Hard or Soft	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal		<i>15</i>	<i>16</i>		<i>825</i>			
Pittsburgh Coal		<i>930</i>	<i>933</i>					
Little Dunkard								
Big Dunkard								
Gas Sand								
First Salt		<i>933</i>	<i>1140</i>					
Second Salt								
Third Salt								
Maxon		<i>1551</i>	<i>1576</i>					
Little Lime								
Pencil Cave								
Big Lime		<i>1659</i>	<i>1843</i>				<i>1825 Show</i>	
Keener							<i>1885-90</i>	
Big Injun		<i>1843</i>	<i>1895</i>				<i>1915-25</i>	
Squaw							<i>2095</i>	
Weir							<i>2217</i>	
Berea		<i>2315</i>	<i>2340</i>				<i>2316-35</i>	
Gantz								
Fifty Foot								
Thirty Foot								
Gordon Stray								
Gordon								
Fourth								
Fifth								
Total Depth			<i>2380</i>					<i>Elevation 773'</i>

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use		Steel Line Measurement		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.	Feet	In.	
13" Csg.															
10" "															
8 1/4" "															
6 5/8" "															
5 1/8" "															
Tbg.															

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS

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		

CEMENTING RECORD

Date 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 _____ Foreman



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

665

Quadrangle Madison

WELL RECORD

Permit No. 739

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address 445 West Main St., Clarksburg, W. Va.
Farm E. M. Arbogast Acres 166
Location (waters) _____
Well No. 7660 Elev. 746
District Crook County Boone

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by _____
Address _____

Drilling commenced 3-19-27
Drilling completed 5-18-27

Date Shot 5-18-27 From _____ To _____
With 60 Qts Nitro

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch

Volume Exhausted ? Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.

Oil None bbls., 1st 24 hrs.
Fresh water 825 feet _____ feet
Salt water No record feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10			Size of
8 1/4	520	520	
6 5/8	1669	1669	Depth set
5 3/16			
3			Perf. top
2	2395	Pulled	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
No cementing

COAL WAS ENCOUNTERED AT 930 FEET 36 INCHES
____ FEET _____ INCHES _____ FEET _____ INCHES
____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	15			
Sand & Slate			15	180			
Lime			180	320			
Slate			320	395			
Lime			395	460			
Sand & Slate			460	535			
Lime			535	630			
Sand & Slate			630	930	Water	825	
Coal			930	933			
Salt Sand			933	1140			
Slate			1140	1230			
Sand			1230	1421			
Red Rock			1421	1431			
Slate			1431	1476			
Red Rock			1476	1491			
Slate			1491	1551			
Maxon			1551	1576			
Lime			1576	1600			
Slate			1600	1605			
Lime			1605	1615			
Slate			1615	1618			
Lime			1618	1655			
Slate			1655	1659			
BIG LIME			1659	1843			
Injun			1843	1895			
Slate & Shells			1895	2300			
Brown Shale			2300	2315			
BEREA			2315	2340	Gas	2316-35	
Slate & Shells			2340	2380			
Total Depth				2380'			



OCT 6 1955

