

MALCOLM, M. K., NO. 7419.

Nic-2.

By Hope Natural Gas Co.

Jefferson Dist.

(PLUGGED UNDER A.P. NIC-1-A).

*GM, Prod 2 Fr. - 6 -*

*Same as Nic 1-A?*

*George - has this well been located? Elberton?*

*County 067 Permit # 30001*

*Nic 2 reassigned to 30001*

HOPE NATURAL GAS COMPANY of the  
 M. K. MALCOLM Farm consisting of 1723 Acres on the  
 JEFFERSON District NICHOLAS County



- LEGEND
- o Location
  - Oil Well
  - ⊙ " " Abandoned
  - ⊛ Gas " "
  - ⊗ " " "
  - ⊘ Dry Hole

ENGINEERS CERTIFICATE

I, the undersigned, hereby certify that this map is correct and shows all the information to the best of my knowledge and belief, required by the oil and gas section of the mining laws of West Virginia.

*Robert H. Draker*  
 Engineer

Acknowledge before me a *Notary Public & Attorney at Law*  
*West Virginia* this *22nd* day of *October* 19*39*

My commission expires *20th Oct. 1939* *Robert H. Draker*

NIC-2

Jefferson District, Nicholas County, W. Va.  
 Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.  
 On 1725 acres, surface owned by M. K. Holcomb, et al.  
 No elevation given.  
 13" conductor, 16'; 10" casing, 985'; 8½", 1539'.  
 No packer used. Casing not perforated.  
 Preliminary report to Dept. of Mines Oct. 20, 1929.  
 Fresh water at 80'; salt water at 1224'.  
 Drilling at 1450'.

NIC-1-A

	Top.	Bottom.
Gravel	0	37
Coal	37	39
Slate	39	72
Coal	72	74
Slate (water at 80'; 2 bbl. per hour)	74	89
Coal	89	92
Slate and lime shells	92	271
Coal	271	276
Slate	276	313
Coal	313	315
Slate and lime shells	315	440
Coal	440	444
Slate	444	480
Coal	480	485
Slate	485	512
Coal	512	515
Slate	515	525?
Hard sand	585?	846
Coal	846	848
Sand	848	1015
Dark slate	1015	1032
Coal	1032	1036
Slate and shells	1036	1122
Sand	1122	1232
Coal	1232	1235
Slate	1235	1450

DRILLING  
 (RECORD INCOMPLETE)

NIC-2

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS SECTION

PRELIMINARY DATA SHEET NO. 1

File No. \_\_\_\_\_ Well No. 7419

Hope Natural Gas Company Company, of 445 West Main St.

Clarksburg, W. Va. on the M. K. Malcomb Farm

containing 1723 acres. Location \_\_\_\_\_

Jefferson District, in Nicholas County, W. Va.

The surface of the above tract is owned in fee by \_\_\_\_\_  
M. K. Malcomb, et al of \_\_\_\_\_ address, and the  
mineral rights are owned by \_\_\_\_\_ of \_\_\_\_\_

The oil and gas privileges are held under lease by the  
above named company, and this well is drilled under permit No. \_\_\_\_\_  
issued by the West Virginia Department of Mines, Oil and Gas Section,  
\_\_\_\_\_ 1929.

Elevation of surface at top of well, \_\_\_\_\_ Spirit  
Barometric.

The number of feet of the different sized casings used in the well.

\_\_\_\_\_ 16 feet 13" size. Wood conductor.

\_\_\_\_\_ 985 feet 10" size, csg. \_\_\_\_\_ 1539 feet 8 1/2" sized csg.

\_\_\_\_\_ feet \_\_\_\_\_ size, csg. \_\_\_\_\_ feet \_\_\_\_\_ sized csg.

\_\_\_\_\_ feet \_\_\_\_\_ size, csg. \_\_\_\_\_ feet \_\_\_\_\_ sized csg.

\_\_\_\_\_ None packer of \_\_\_\_\_ size, set at \_\_\_\_\_

\_\_\_\_\_ packer of \_\_\_\_\_ size, set at \_\_\_\_\_

\_\_\_\_\_ in. casing perforated at None feet to \_\_\_\_\_ feet.

\_\_\_\_\_ in. casing perforated at \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Coal was encountered at \_\_\_\_\_ feet; thickness \_\_\_\_\_ inches, and at

\_\_\_\_\_ feet; thickness \_\_\_\_\_ inches; and at \_\_\_\_\_ feet;  
thickness \_\_\_\_\_ inches.

Liners were used as follows: (Give details) \_\_\_\_\_

See Completion Data Sheet No. 2, for record of formations from top of hole through  
the coal measures.

\_\_\_\_\_ 10- 22- 29 Date.

Approved Hope Natural Gas Company Owner.

By H. L. Mansgane  
(Title) Well Supervisor

Handwritten initials: H.L.M.

VIC-2

COMPLETION DATA SHEET NO. 2

FORMATION RECORD

NAME	COLOR	CHARACTER	OIL, GAS OR WATER	TOP	BOTTOM	THICK-NESS	TOTAL DEPTH	RE-MARKS
Gravel				0	37			
Coal				37	39			
Slate				39	72			
Coal				72	74			
Slate				74	89			Water at 80'
Coal				89	92			2 Bbl per hour
Slate &- lime shells				92	271			
Coal				271	276			
Slate				276	313			
Coal				313	315			
Slate &- lime shells				315	440			
Coal				440	444			
Slate				444	480			
Coal				480	485			
Slate				485	512			
Coal				512	515			
Slate				515	525			
Hard sand				525	846			
Coal				846	848			
Sand				848	1015			
Dark slate				1015	1032			
Coal				1032	1036			
Slate &- shells				1036	1122			
Sand				1122	1232			Water at 1224
Coal				1232	1235			1 Bbl per hour
Slate				1235	1450			
		Drilling						

Well was not shot at \_\_\_\_\_ feet; well was shot at \_\_\_\_\_ feet.

Fresh water at \_\_\_\_\_ feet; Salt water at \_\_\_\_\_ feet.

Well was \_\_\_\_\_ producing hole.  
dry

10- 22-29

Date

Approved Hope Natural Gas Company

Owner *N. L. [Signature]*

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names for which strata that may be common to the district.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

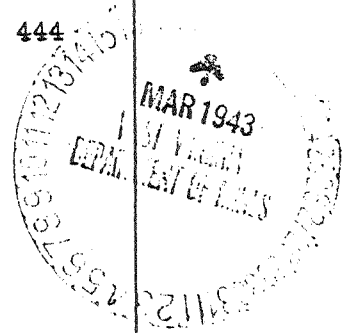
Permit No. W.C. 2 DATE OF PERMIT DECEMBER 13, 1929 Oil or Gas Well.....  
(KIND)

Company Hope Natural Gas Company  
Address 445 West Main St. Clarksburg, W. Va.  
Farm M. K. Malcolm Acres 1723  
Location (waters).....  
Well No. 7419 Elev. ?  
District Jefferson County Nicholas  
The surface of tract is owned in fee by.....  
Address.....  
Mineral rights are owned by.....  
Address.....  
Drilling commenced July 22, 1929  
Drilling completed Oct. 30, 1929  
Date Shot not From..... To.....  
With.....  
Open Flow /10ths Water in..... Inch  
/10ths Merc. in..... Inch  
Volume..... Cu. Ft.  
Rock Pressure..... lbs..... hrs.  
Oil..... bbls., 1st 24 hrs.  
Fresh water 80- feet 444 feet  
Salt water 1224 feet 1663 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16			
13			
10	<u>985</u>	<u>105</u>	Size of.....
8 1/4	<u>1539</u>	<u>Pulled</u>	
6 1/2	<u>2140</u>	<u>132</u>	Depth set.....
5 3/16	<u>2173</u>	<u>Pulled</u>	
3			Perf. top.....
2			Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

Not cemented  
CASING CEMENTED..... SIZE..... No. Ft..... Date.....  
See below 11 seams.  
COAL WAS ENCOUNTERED AT..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
	Soil & gravel		0	37			
	Coal		37	39			
	Slate lime		39	72			
	Coal		72	74			
	Slate lime		74	89	water	80	
	Coal		89	92			
	Slate lime shell		92	271			
	Coal		271	276			
	Slate lime shell		276	313			
	Coal		313	315			
	Slate lime shell		315	440			
	Coal		440	444	water	5	444
	Slate		444	480			
	Coal		480	485			
	Slate		485	512			
	Coal		512	515			
	Slate		515	525			
	FIRST SALT SAND		525	846			
	Coal		846	848			
	FIRST SALT SAND		848	1015			
	Dark slate		1015	1032			
	Coal		1032	1036			
	Slate Shell		1036	1122			
	SECOND SALT SAND		1122	1232	water	1224	
	Coal		1235	1235			
	Slate		1235	1450			
	THIRD SALT SAND		1450	1525			
	Slate		1525	1530			
	Sand		1530	1676	gas	1610- 1615	10/10 water 2" blew down in 2 hrs. to 7/10 water 2"
	Slate		1676	1693			
	Red rock		1693	1703			
	Slate		1703	1728			
	Red rock		1728	1738			
	Lime		1738	1775			
	Slate		1775	1810			
	Red rock		1810	1842			
	MAXON SAND		1842	1924			



*433 Met*

*412 Met*

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate		1924	1983				
LITTLE LIME		1983	2024				
PENCIL CAVE		2024	2030				
Lime		2030	2036		gas		
Slate		2036	2078				
BIG LIME		2078	2305				
Red rock		2305	2320				
Slate & shell		2320	2645				
Brown shale		2645	2660				
Slate & shell		2660	3110				
Total depth			3110				

~231 mcf →

2032- 80/10 water 2"  
in 48hrs. blew down to  
30/10 water 2"  
before abandoning-  
test 2/10 water 2"

Date....., 194.....

APPROVED....., Owner

By..... (Title)