



HAR-180-A

— ENGINEER'S 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.

[Signature]
ENGINEER

Acknowledged before me, a _____
this _____ day of _____, 19____

NORWOOD GAS COMPANY
CLARKSBURG, WEST VIRGINIA

L. S. HORNOR, PRESIDENT
OSMAN E. SWARTZ, VICE PRESIDENT
PERCY BYRD, SECRETARY & TREASURER

Mr. Swartz - Sheet No. 2.

February 17th 1934.

It might be well for you to see Mr. Rhinehart and talk this matter over with him and see what his idea of the situation might be.

If we are forced to clear this well out to the bottom of the 5-3/16" Casing and then proceed with the plugging according to the work order, it is possible that we would have to run a string of 6-5/8" Casing below these bridged or caves, which would be a very expensive operation.

Yours very truly,



Raymer Parrish.

R/R

NORWOOD GAS COMPANY
CLARKSBURG WEST VIRGINA

2/2/34

L. S. HORNOR, PRESIDENT
OSMAN E. SWARTZ, VICE PRESIDENT
PERCY BYRD, SECRETARY & TREASURER

February 17th 1934.

Mr. Osman E. Swartz,
1002 Union Building,
Charleston, West Va.

Dear Mr. Swartz:-

Subject: Union Land Company Well No. 7.
=====

Work commenced on this well January 12th 1934, pulled the 2" Tubing on January 16th 1934, plugging proceeded as per work order up to the bottom of the 5-3/16" Casing, the 5-3/16" Casing was pulled on January 24th 1934, after pulling the casing, we ran the tools in the hole and they stopped at 1205 feet, we started clearing out and made 30 feet of hole, when it again bridged at 1015 feet and so far we have been unable to go deeper, this water bridge would put us above the Little Lime and below the Second Salt Sand.

It begins to look like it would be quite some job to clean out this well and get back down ^{to} the bottom of the 5-3/16" Casing, we did a good job of plugging above the Fifth Sand and as the sands above are all non-productive in this territory, I was just wondering if the Department of Mines would be favorable to letting us go ahead and plug at the 1015 feet depth, and then finish as per work order, it is my opinion that we and all parties would be properly protected under this procedure.

Name	Color	Character	Oil Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks	
Gas Sand				497	572	75			
First Salt Sand				600	630	30			
Second Salt Sand				830	920	40			
Little Lime				1314	1330	16			
Pencil Cave				1330	1338	8			
Big Lime				1338	1400	62			
Big Injun				1400	1505	105			
Fifty Foot Sand				1825	1865	40			
Thirty Foot Sand				1877	2045	168			
Fourth Sand				2224	2244	20			
Fifth Sand				2327	2362	35			
Gas				2331					
Total Depth								2379	

Well was not shot at No Record feet; well was shot at No Record feet.

Salt Fresh water at No Record feet; fresh water at No Record feet.

Well was XXXX producing hole.

NORWOOD GAS COMPANY

October 30th, 1933
Date

Approved: *[Signature]*
Assistant Manager and Superintendent

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 commonly used in the district for such strata.

NORWOOD GAS COMPANY

Company of Clarksburg, West Virginia

on the Union Land Company Farm

containing 476.6 acres. Location

Clark District, in Harrison County, West Virginia

The surface of the above tract is owned in fee by Union Land Company

of Clarksburg, West Virginia address, and the mineral rights are owned by

Union Land Company of Clarksburg, West Virginia

and Mrs. Margaret C. Brannon, Clarksburg, West Virginia

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit

No. Prior to present law issued by the West Virginia Department of Mines, Oil and Gas Division

193

Elevation of surface at top of well,

953

Barometric.

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

16	feet	16"	size.	Wood conductor
102	feet	10"	size, cag.	2229 feet 5-3/16" sized cag.
928	feet	8-1/4"	size, cag.	Pulled feet sized cag.
1887	feet	6-5/8"	size, cag.	Pulled feet sized cag.
No Record	packer of	No Record	size, set at	No Record
	packer of		size, set at	
No Record	in casing perforated at	No Record	feet to	No Record feet.
	in casing perforated at		feet to	feet.

Coal was encountered at Well Below Coal; thickness - - inches, and at - -

feet; thickness - - inches; and at - - feet; thickness - - inches.

Liners were used as follows: (Give details) None

October 30th, 1933

Date.

Approved NORWOOD GAS COMPANY, Owner.

By *Raymond L. ...*
Assistant Manager and Superintendent.

OCT 31

Fill the hole with clay or non-porous material from the bottom to 2307 feet, which is 20 feet above the Fifth Sand, there install a suitable plug to completely seal the hole, then fill with clay or non-porous material to the bottom of the 5- $\frac{1}{16}$ " Casing, which is 2229 feet, then pull the 5- $\frac{1}{16}$ " Casing and finish filling the hole with clay or non-porous material to 2204 feet, which is 20 feet above the Fourth Sand, there install a suitable plug to completely seal the hole.

Bridge the hole at 2065 feet and fill with clay or non-porous material to 1805 feet, which is 20 feet above the Fifty Foot Sand, there install a suitable plug to completely seal the hole.

Bridge the hole at 1525 feet and fill with clay or non-porous material to 1320 feet, which is 20 feet above the Big Lagoon Sand, there install a suitable plug to completely seal the hole.

Bridge the hole at 940 feet and fill with clay or non-porous material to 477 feet, which is 20 feet above the Two Sand, there install a suitable plug to completely seal the hole, then fill the hole with clay or non-porous material to the top.

NOTE: If conditions are encountered which will not permit carrying out the above plan, any deviation therefrom will be taken up of in a practical manner and described in the affidavit.

Fill the hole with clay or non-porous material from the bottom Fifth Sand, there install a plug, then fill the hole with clay or non-porous material to 2200 feet Fourth Sand, there install a suitable plug to completely seal the hole.

Bridge the hole at 2130 feet and fill with clay or nonporous material to the bottom of the 6-5/8" casing, there seal the 6-5/8" casing and finish with clay or non-porous material to 1850 feet, there install a suitable plug to completely seal the hole.

Bridge the hole at 1548 feet and fill with clay or nonporous material to 1452 feet, which is 20 feet above the Big Injus Sand, there install a suitable plug to completely seal the hole.

Bridge the hole at 1265 feet and fill with clay or non-porous material to 1192 feet, which is 20 feet above the Ma. om Sand, there install a suitable plug to completely seal the hole.

Bridge the hole at 860 feet and fill with clay or non-porous material to 811 feet, which is 20 feet above the First Suit Sand, there install a suitable plug to completely seal the hole.

Bridge the hole at 520 feet and fill with clay or non-porous material to 487 feet, which is 20 feet above the Little Mustard Sand, there install a suitable plug to completely seal the hole, then fill the hole with clay or non-porous material to the top.

NOTE: If conditions are encountered which will not permit carrying out the above plan, any deviation therefrom will be taken care of in a practical manner in accordance to the affidavit.

THE ABOVE WORK ORDER IS IN FULLY COVERED WELL NO. 6 ON THIS LAND TRACT, WHICH HEREBY IS INSTITUTED.

Department of Mines
The Bureau of Geology
Bureau of Property Management

This work order is submitted for your approval as required by law. The undersigned will proceed with the work described hereon or the work stated in the notes on the certificate and of this order.

and unless advised of your order for the plugging and filling of said well in the notes of plug and otherwise the said well

Very truly yours
W. J. GOR and E. J. [Signature]
Superintendent

The undersigned have been filed by the said owner of the property covered or assigned by the Department of Mines and the filing of the well above mentioned. Therefore, in accordance with the provisions of the law herein described for the plugging and filling of the well above mentioned. Therefore, in accordance with the provisions of the law herein described for the plugging and filling of the well above mentioned. Therefore, in accordance with the provisions of the law herein described for the plugging and filling of the well above mentioned.

November 1918

DEPARTMENT OF MINES
Oil and Gas Division

NOTICE OF INTENTION TO PLUG AND ABANDON WELL

(REQUIRED BY SECTION 10, ARTICLE 4, CHAPTER 22 OF THE CODE)

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Hope Natural Gas Company
COAL OPERATOR OR COAL OWNER

Morwood Gas Company
NAME OF WELL OPERATOR

Clarksburg, West Virginia
ADDRESS

Clarksburg, West Virginia
COMPLETE ADDRESS

Union Land Company
COAL OPERATOR OR COAL OWNER

October 30th, 1933
WELL TO BE ABANDONED

Clarksburg, West Virginia
ADDRESS

Clark District

Mrs. Margaret C. Brannon,
LEASE OR PROPERTY OWNER

Harrison County

Well No. 7

Clarksburg, West Virginia
ADDRESS

Union Land Company Farm

Gentlemen:—

The undersigned well operator is about to abandon the above described well and will commence the

work of plugging and abandoning said well on the 6th day of November 1933,
(which date shall not be less than five days after the day on which this notice so mailed is received, or in due course should be received by the Department of Mines).

This notice is given you in order that your respective representatives may be present at plugging and filling of said well. You are further notified that whether you are represented or not represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said well in a manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the reverse of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above date.

Very truly yours,

ROBERT L. B. COMPANY

Assistant Manager and Superintendent

NOTE: Upon the abandonment of all wells drilled prior to June 1, 1925, a plat prepared by a competent engineer, showing the district and county in which the tract of land is located, the name and acreage of same, the names of the owners of adjacent tracts, and the location of the point to be abandoned well, determined by survey, and the courses and distances of such well from two permanent points or landmarks on said tract, shall be submitted with this notice.

(Over)

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