



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

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

No coal operations  
COAL OPERATOR OR COAL OWNER

Hope Natural Gas Company.  
NAME OF WELL OPERATOR

ADDRESS

445 West Main St. Clarksburg, W. Va.  
COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER

September 1, 1950., 19\_\_\_\_  
PROPOSED LOCATION

Surface: ADDRESS

Steele, District

Maggie Ludwig  
OWNER OF MINERAL RIGHTS

Wood, County

Parkersburg, W. Va.  
ADDRESS

Well No. 9471 <sup>39° 05'</sup> <sub>81° 30'</sub>  
Maggie Ludwig. Farm

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated August 19, 1946, made by Maggie Ludwig., to Hope Natural Gas Company, and recorded on the 10 day of December, 1946, in the office of the County Clerk for said County in Book 290, page 330.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten\* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

Hope Natural Gas Company.

E. H. Tollefson  
General Superintendent

WELL OPERATOR

445 West Main St.

STREET

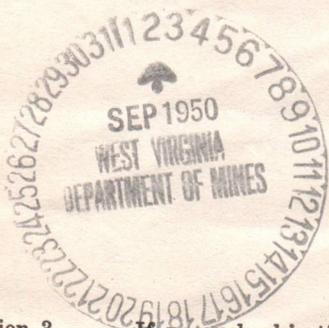
Clarksburg, W. Va.

CITY OR TOWN

12/15/2023

STATE

Address of Well Operator }



\*Section 3 . . . . If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

A-10

September 12, 1950

Hope Natural Gas Company  
445 West Main Street  
Clarksburg, West Virginia

Gentlemen:

Enclosed is permit WOO-337 to drill Well  
No. 9471 on the Maggie Ludwig Farm, Steele District,  
Wood County.

Very truly yours,

Administrative Assistant  
OIL AND GAS DIVISION

CNR:K  
Encl-2

CC: Inspector O. C. Howard



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. W00 337

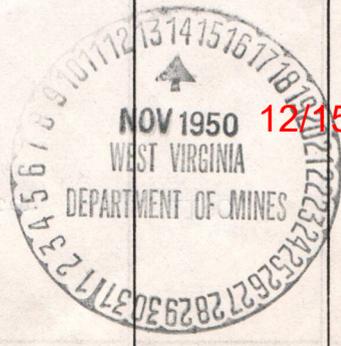
Oil or Gas Well DRY  
(KIND)

Company Hope Natural Gas Company  
Address 445 West Main St. Clarksburg, W. Va.  
Farm Maggie Ludwig Acres 82  
Location (waters) \_\_\_\_\_  
Well No. 9471 Elev. 728  
District Steele County Wood  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced September 2, 1950  
Drilling completed November 8, 1950  
Date Shot 11 9 '50 From 4877 To 4929  
With 500 # Gel.  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water none recorded feet \_\_\_\_\_ feet  
Salt water 1190 1675 feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	20	20	Kind of Packer
18	621	Pulled	
10	1118	Pulled	Size of
8 1/4	1973	1973	
6 5/8	4777	4777	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

used aquagel behind 13" 10" and 8" casing  
CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
7" casg. set in 15 bags cement.  
COAL WAS ENCOUNTERED AT 585 FEET 24 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	140			
Lime			140	190			
Red rock			190	245			
Sand			245	250			
Slate			250	265			
Lime			265	270			
Sand			270	300			
Red rock			300	322			
Sand			322	334			
Red rock			334	353			
Lime			353	387			
Sand			387	415			
Red rock			415	431			
Slate			431	442			
Red rock			442	475			
Slate			475	480			
Lime			480	505			
Red rock			505	525			
Lime hard			525	537			
Slate			537	585			
Coal			585	587			
Slate			587	615			
Sand			615	625			
Slate			625	630			
Lime			630	672			
Slate			672	683			
Sand			683	694			
Slate			694	711			
Red rock			711	808			
Lime			808	830			
Slate			830	850			
Lime			850	872			
White slate			872	884			
Red rock			884	902			
Slate			902	930			
Red rock			930	945			
Lime			945	1000			
Slate			1000	1035			



12/15/2023

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red rock			1035	1050			
FIRST SALT			1050	1120			
Slate			1120	1185			
SECOND SALT			1185	1300	water	1190	
Broken sand			1300	1306			
Slate			1306	1372			
Lime			1372	1395			
THIRD SALT			1395	1438			
Slate			1438	1490			
Sand			1490	1596			
Hard sand			1596	1615			
Sand		soft	1727	1727	hole full water	1675	
BIG INJUN			1727	1912			
Lime			1912	2020			
Slate shell			2020	3875			
White shale			3875	4025			
Slate			4025	4440			
Shale			4440	4536			
Slate			4536	4550			
Brown shale			4550	4757			
CORNIFEROUS LIME			4757	4877			
ORISKANY			4877	4918	show gas	4902-09-13	
Total depth				4929			

12/15/2023

Date November 13, 1950, 19

APPROVED Hope Natural Gas Company, Owner

By \_\_\_\_\_ (Title)

*[Signature]*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____				
Address _____	Size			
Farm _____	16			Kind of Packer _____
Well No. _____	13			
District _____ County _____	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

DATE \_\_\_\_\_

DISTRICT WELL INSPECTOR  
12/15/2023



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

## INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____	Size			
Address _____	16			Kind of Packer _____
Farm _____	13			
Well No. _____	10			Size of _____
District _____ County _____	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

DATE

DISTRICT WELL INSPECTOR

12/15/2023

B-5

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. W. 337P Well No. 9471

COMPANY Hop Mat Gas Co ADDRESS Clarksburg W. Va.

FARM Marygrove Ludwig DISTRICT Steels COUNTY Wool

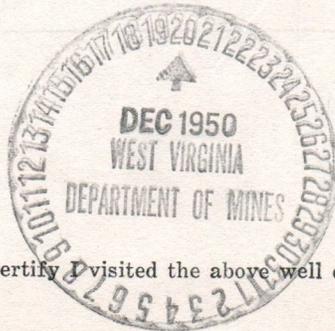
Filling Material Used Clay and cement

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
<u>Completed Dec 8-1950</u>				<u>4447</u>	<u>6 3/4</u>	<u>230</u>
				<u>1979</u>	<u>8 1/4</u>	<u>00</u>
<u>No inspection since 11/20-1950</u>				<u>1118</u>	<u>10"</u>	<u>00</u>
				<u>621</u>	<u>13"</u>	<u>00</u>
				<u>20</u>	<u>16</u>	<u>00</u>

Drillers' Names Harvey Harris Richard South

Remarks:



12/11-1950  
DATE

I hereby certify I visited the above well on this date.

W. J. Howard  
DISTRICT WELL INSPECTOR

12/15/2023

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(KIND)

	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____				
Address _____	Size			
Farm _____	16			Kind of Packer _____
Well No. _____	13			
District _____ County _____	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

DATE

DISTRICT WELL INSPECTOR

12/15/2023



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

NOTICE OF INTENTION TO PLUG AND ABANDON WELL

(REQUIRED BY SECTION 9, ARTICLE 4, CHAPTER 22 OF THE CODE)

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

~~No coal operations.~~ Hope Natural Gas Company.  
COAL OPERATOR OR COAL OWNER NAME OF WELL OPERATOR  
ADDRESS 445 West Main St, Clarksburg, W. Va.  
COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER November 13, 1950. 19  
WELL TO BE ABANDONED

Surface: ADDRESS Steele, District  
Maggie Ludwig, Wood, County  
LEASE OR PROPERTY OWNER  
Well No. 9471  
Parkersburg, W. Va. Maggie Ludwig, Farm  
ADDRESS

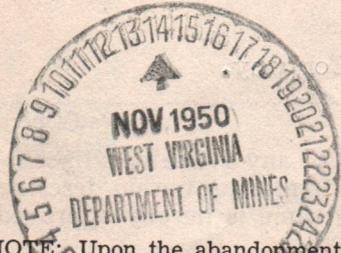
Gentlemen:—

The undersigned well operator is about to abandon the above described well and will commence  
Notify Inspector.  
the work of plugging and abandoning said well on the \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_,  
(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 the  
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 the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the  
reverse side 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,  
Hope Natural Gas Company.



E. H. Tollefson  
Well Operator.  
12/15/2023

NOTE: Upon the abandonment of all wells drilled prior to June 1, 1929, 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 and adjacent tracts, and the location of the about 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)

PROPOSED MANNER OF PLUGGING AND FILLING WELL

(REQUIRED BY RULES AND REGULATIONS)

WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WORK ORDER

H.N.G.Co.  
Well 9471

Well to be plugged and filled as follows:

Fill with aquagel to 4857' and place cement  
plug- cut and remove 7" casing- fill with aquagel to  
1993' place plug and remove 8 $\frac{1}{4}$ " casing- continue filling  
with aquagel to 1165' and place cement plug. Fill with  
aquagel to 617' cement from 617' to 565' continue filling  
with aquagel to 100' and place cement plug- fill to surface  
and erect concrete marker over hole.

To the Department of Mines  
Coal Owner or Operator,  
Lease or Property Owner.

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date stated in the notice of intention to plug and abandon the said well on opposite side of this sheet.

Very truly yours,

Hope Natural Gas Company,

E. H. Tollefson

Well Operator.

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved.

14th day of November, 1950, 19

DEPARTMENT OF MINES  
Oil and Gas Division

By: *C. M. Haly*

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for the well inspector.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
BUREAU OF MINE SAFETY

REPORT OF ACCIDENTS AND INJURIES

TO BE FILED IN THE OFFICE OF THE STATE DEPARTMENT OF MINES  
AND IN THE OFFICE OF THE COUNTY COMMISSIONER OF THE COUNTY  
WHERE THE ACCIDENT OCCURRED

NAME OF MINE: \_\_\_\_\_  
COUNTY: \_\_\_\_\_  
STATE: \_\_\_\_\_

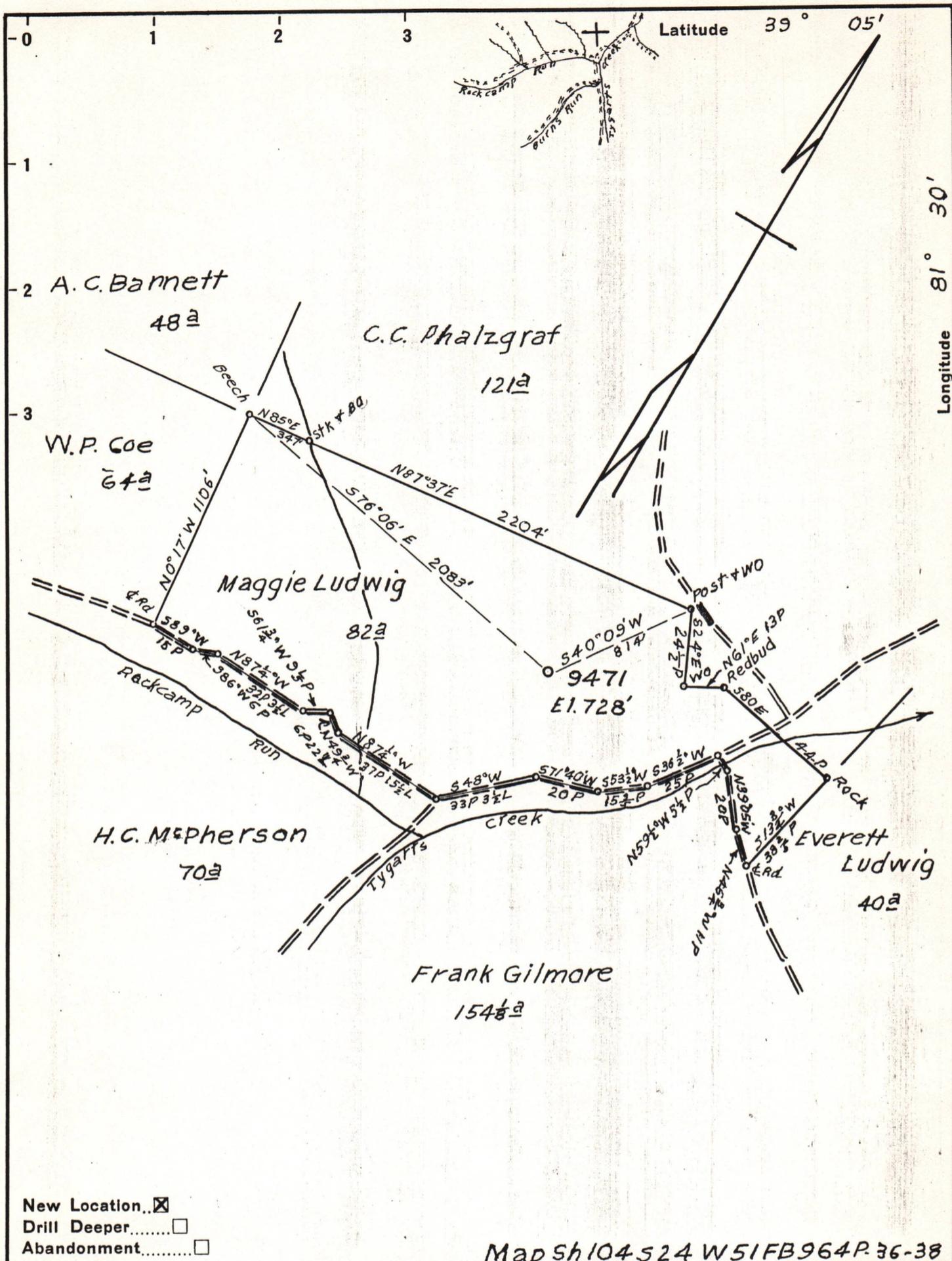
DATE OF ACCIDENT: \_\_\_\_\_  
TIME OF ACCIDENT: \_\_\_\_\_  
NAME OF PERSONS INVOLVED: \_\_\_\_\_  
NATURE OF ACCIDENT: \_\_\_\_\_

CAUSE OF ACCIDENT: \_\_\_\_\_  
PREVENTIVE MEASURES: \_\_\_\_\_

REMARKS: \_\_\_\_\_

SIGNATURE OF REPORTER: \_\_\_\_\_  
TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

12/15/2023



New Location   
 Drill Deeper   
 Abandonment

Map Sh 104524 W 51FB964P 36-38

Company Hope Natural Gas Co  
 Address Clarksburg, W.Va.  
 Farm Maggie Ludwig  
 Tract \_\_\_\_\_ Acres 82 Lease No. 58643  
 Well (Farm) No. \_\_\_\_\_ Serial No. 9471  
 Elevation (Spirit Level) 728'  
 Quadrangle Belleville  
 County Wood District Steele  
 Engineer W.M. Bowers  
 Engineer's Registration No. 900  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 8-29-50 Scale 1" = 40 P

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

WELL LOCATION MAP  
 FILE NO. W00-337 12/15/2023

+ 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.