

*Janice
10/12/90*

210'

Latitude 39° 30'

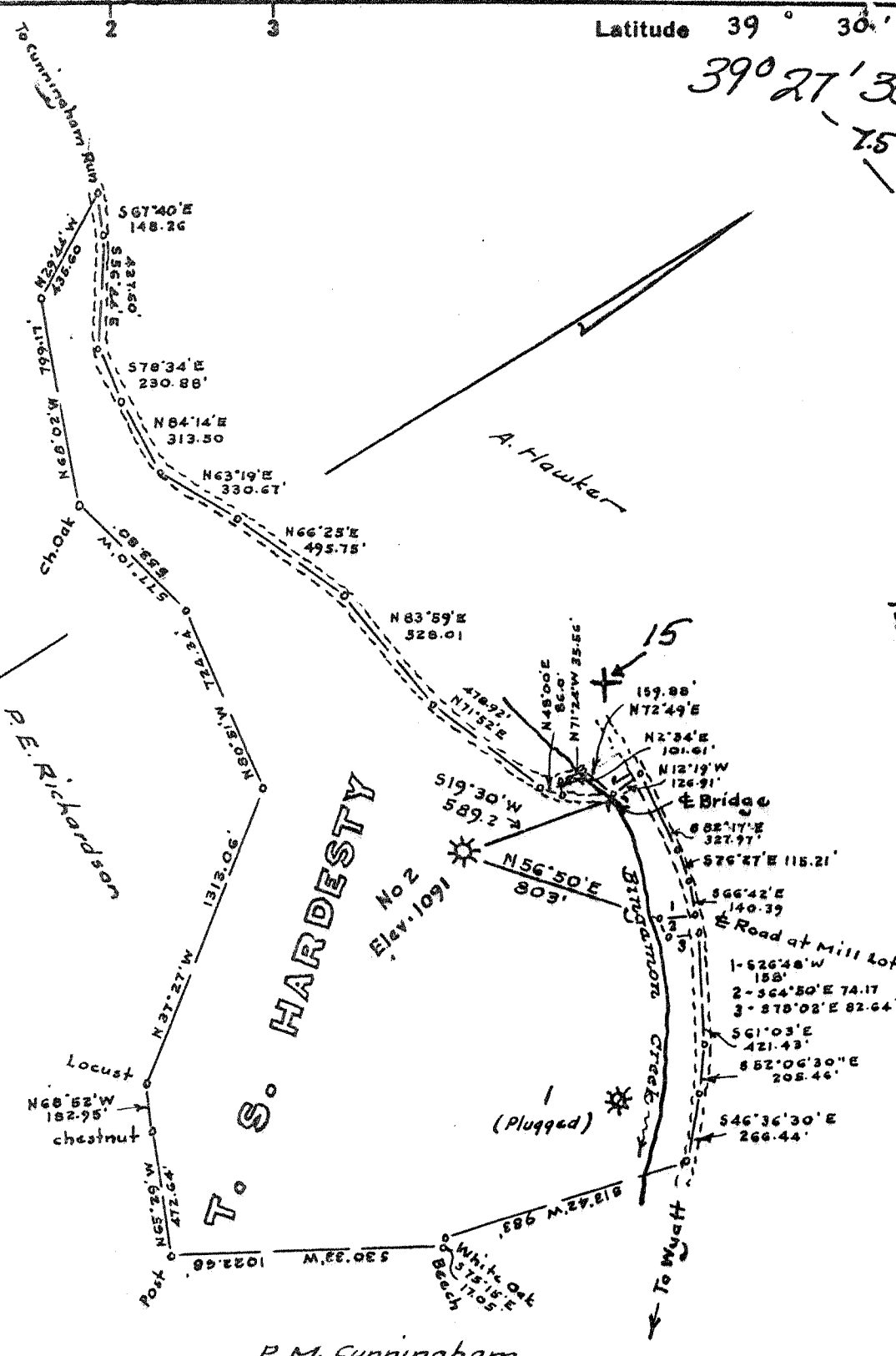
39° 27' 30"

7.5

80° 22' 30"

Longitude 80° 20'

7100'



P. M. Cunningham

- Fracture Before 6/5/29
 - New Location
 - Drill Deeper
 - Redrill
 - Abandonment
- 10/15/90

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

PROVEN ELEVATION Elev. me. of Big Run = 970'

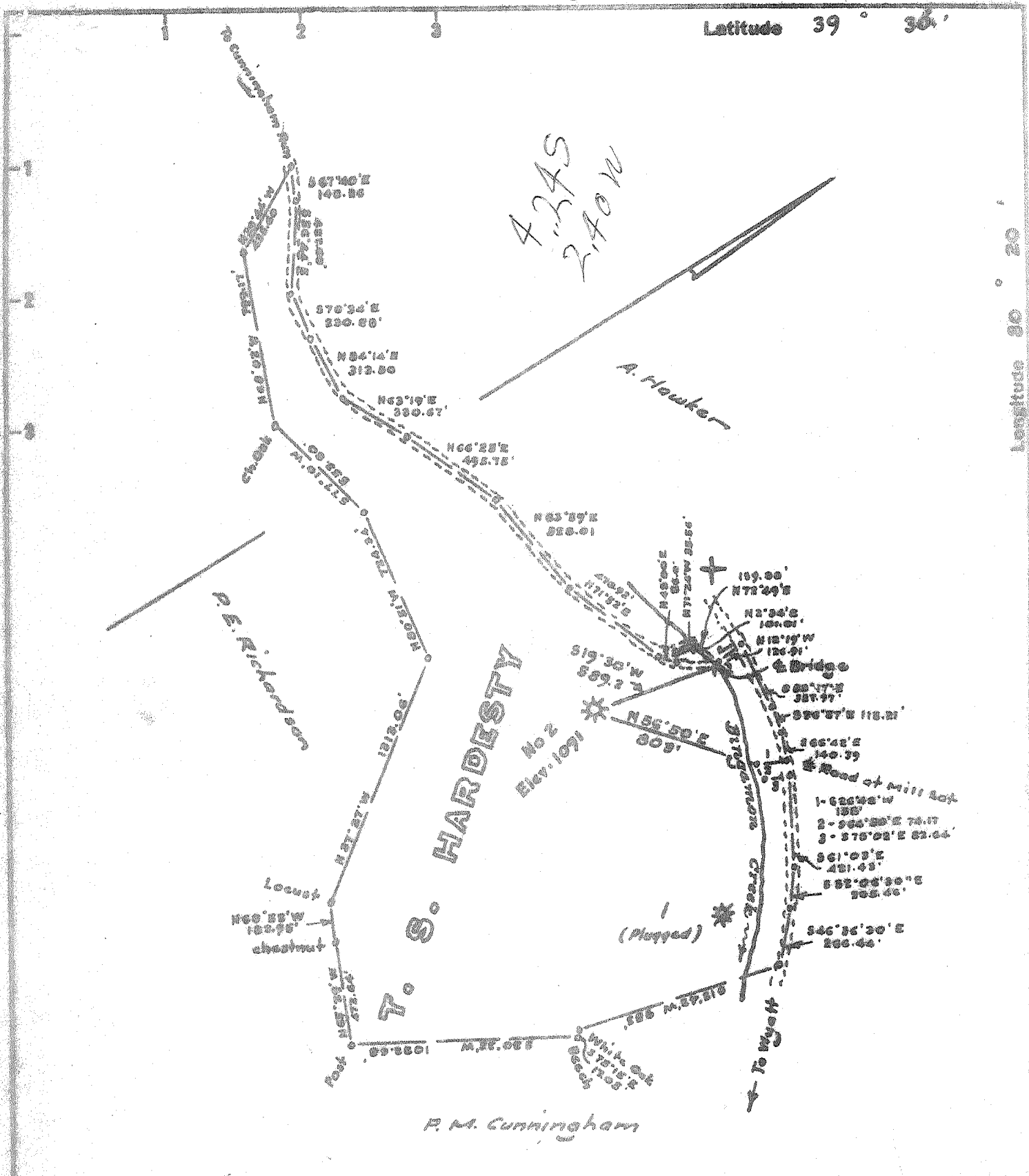
Company CARNEGIE NATURAL GAS CO.
 Address 800 Regis Ave, Pittsburgh, Pa.
 Farm T. S. Hardesty
 Tract _____ Acres 102.71 Lease No. 17492
 Well (Farm) No. Two Serial No. 1690
 Elevation (Spirit Level) 1091
 Quadrangle Clarksburg 15 / Wallace 7.5
 County Harrison District Eagle
 Engineer W. S. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date March 26 1900 Scale 1" = 600'

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

WELL LOCATION MAP
47-033-2108-P

+ 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. Oct 22 1890

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



- Fracture Before 6/5/29
- New Location
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I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
 PROVEN ELEVATION Elev. me. of Big Run - 970'

Company CARNEGIE NATURAL GAS CO.
 Address Munhall, Pa.
 Farm T. S. Hardesty
 Tract _____ Acres 122.71 Lease No. 17492
 Well (Farm) No. Two Serial No. 1690
 Elevation (Spirit Level) 1091
 Quadrangle Clarksburg NC
 County Harrison District Eslea
 Engineer W. J. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date March 26, 1968 Scale 1" = 600'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. HAR-2-2486
2108

⊕ 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.

15-Oct-90

RECEIVED Division of Energy

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

033-2108-P

JAN 2 2 91

Permitting AFFIDAVIT OF PLUGGING AND FILLING WELL Oil and Gas Section

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: KELLY, JOHN & TERESA Operator Well No.:1690

LOCATION: Elevation: 1091.00 Quadrangle: WALLACE District: EAGLE County: HARRISON Latitude: 7100 Feet South of 39 Deg. 27 Min. 30 Sec. Longitude 210 Feet West of 80 Deg. 22 Min. 30 Sec.

Well Type: OIL GAS X

Company: Carnegie Natural Gas Co. Coal Operator Consolidation Coal Co. or Owner P.O. Box 1314 Morgantown, WV 26505

Agent: J. C. Stephenson Coal Operator Inspector: Steve Casey or Owner Permit Issued: 10/15/90

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Harrison ss:

Rex Mason and Ralph Wright being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Carnegie Natural Gas Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15th day of October, 1990, and that the well was plugged and filled in the following manner:

Table with columns: TYPE, FROM, TO, PIPE REMOVED, LEFT. Rows include materials like 6% Gel and Cement with measurements in feet and inches.

Description of monument: 7" Casing 4' above ground level with API No. noted.

and that the work of plugging and filling said well was completed on the 9th day of November, 1990.

And furthur deponents saith not.

Signatures of Rex Mason and Ralph Wright, dated 9th day of November, 1990.

Sworn and subscribed before me this 9th day of October 26, 1991 My commission expires: OCTOBER 26, 1991

Notary Public signature and title.

Small text at bottom left corner.

FEB 1 1991

CARNEGIE NATURAL  COMPANY 3904 Main Street, Munhall, Pa.

Phone 462-7121

May 15, 1968

Mr. Elmer C. Workman, Director
Oil and Gas Division
Department of Mines
Charleston, West Virginia

Dear Sir:

FRACTURE RECORD

Well Name and Number: T.S. Hardesty 2-1690

County: Harrison District: Eagle

Permit No.: HAR-3-FRAC

Formation Fractured: Big Injun

Date Fractured: April 17, 1968

Pipe: 1732' of 4.5" O.D. Casing Cemented with 30 Sacks

Perforations: 1588-1608 with 41 Holes
1618-1640 with 35 Holes

Materials Used: 797 Bbls. Water and 38,000# of 20/40 Sand

Open Flow before fracture: Show of Gas


Open Flow after fracture: 858 MCFPD

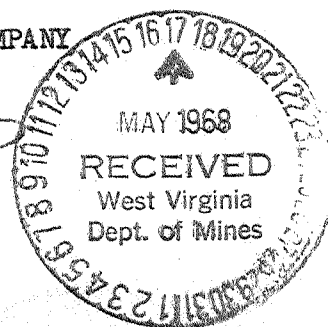
Rock Pressure after fracture: 470 PSI in 16 hours.

Total Depth - 2199'

Very truly yours

CARNEGIE NATURAL GAS COMPANY


E. C. Laffey
Chief Engineer



RGL/ECL/mp
cc 4
File

THE LOW COST FUEL



JUN 4 1968