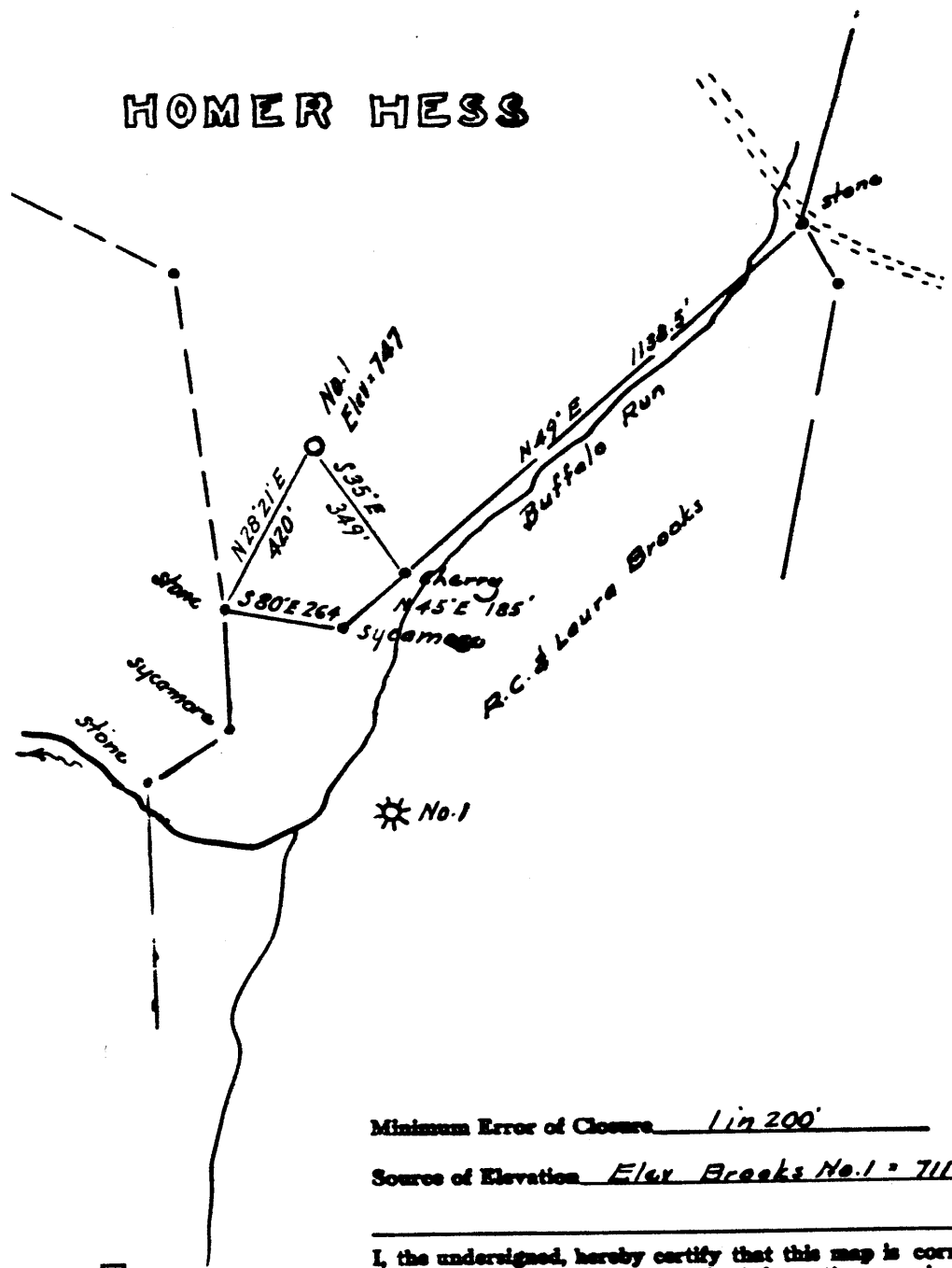


4/15/77

LATITUDE 39° 30'

LONGITUDE 81° 00'

HOMER HESS



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Breaks No. 1 = 711

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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandon.....

7A-6/3/85

Signed: *W. H. ...*
 Squares N S E W

Map No.

Company. Bet-Ro, Inc.
 Rt. 4, Box 36-13
 Address. Weston, WVa. 26452
 Farm Homer Hess
 Tract _____ Acres 22 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 747
 Quadrangle St Marys
 County Tyler District Union
 Engineer *W. H. ...*
 Engineer's Registration No. 1227 LLS 200
 File No. _____ Drawing No. _____
 Date March 22, 1977 Scale 1" = 400'

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

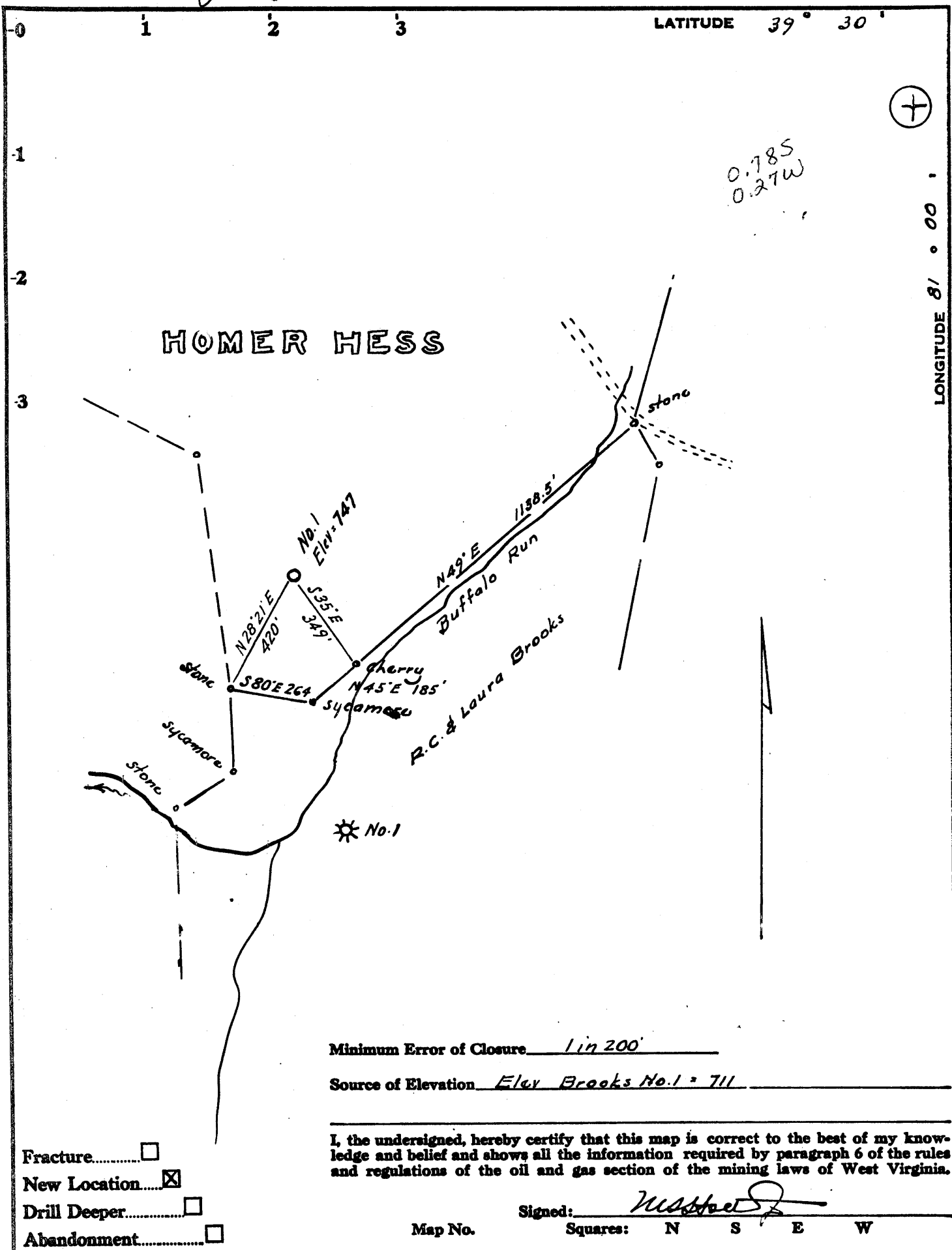
WELL LOCATION MAP
 FILE NO. TYL-482-P
095

+ 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. 47-095

JUN 10 1977

1700' Big Injuri



0.785
0.27W

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Minimum Error of Closure 1 in 200'
 Source of Elevation Elev. Brooks No. 1 = 711'

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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: [Signature]
 Squares: N S E W

Company LAUDERMAN OIL & GAS DRILLING
 Address 110 Main St, Paden City, West Va.
 Farm Homer Hess
 Tract _____ Acres 22 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 747
 Quadrangle St Marys NF
 County Tyler District Union
 Engineer [Signature]
 Engineer's Registration No. 1227 LLS 200
 File No. _____ Drawing No. _____
 Date March 22, 1977 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. TYL - 482

+ 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. 47-095



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED

APR 15 1977
OIL & GAS DIVISION
DEPT. OF MINES

APR 20 1977

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

Surface Owner Homer Hess
Address RFD 1 Friendly, W.Va.
Mineral Owner R.L. & Garnet Hess
Address Same
Coal Owner Same
Address Same
Coal Operator _____
Address _____

DATE April 14, 1977
Company Lauderman Oil & Gas Drilling
Address 129 N. 4th Ave. Paden City, W.Va.
Farm Homer Hess Acres 22
Location (waters) Big Buffalo
Well No. 1 Elevation 747
District Union County tyler
Quadrangle St. Marys, W.Va.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved

for Drilling. This permit shall expire if
operations have not commenced by 8-20-77

INSPECTOR

TO BE NOTIFIED

ADDRESS

PHONE

Paul Garrett
Clarksburg, W.V.
622-3871

Robert Wood
Deputy Director - Oil & Gas Division

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 15th Jan. 1973 by Columbia Gas
made to _____ and recorded on the _____ day of _____
973 in Tyler Co. County, Book 196 Page 166

NEW WELL _____
 DRILL DEEPER _____
 REDRILL _____
 FRACTURE OR STIMULATE _____
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators
have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required
make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

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

PLEASE SUBMIT COPIES OF ALL
PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P.O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
304 - 292-6331

Very truly yours,

(Sign Name)

Well Operator

Address
of
Well Operator

129 N. 4th Avenue
Street
Paden City, W.Va.
City or Town
West Virginia
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of
and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting
the well operator authorized to proceed.

read and understand the reclamation requirements as set forth in
r 22, Article 4, Section 12-b and will carry out the specified requirements."

by Gerald W. Lauderman

482 PERMIT NUMBER

47-095

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO (xx) DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Lauderman Oil & Gas Drilling NAME Phillip Morgan
 ADDRESS 129 N. 4th Ave. Paden City, W.Va ADDRESS 129 N. 4th Ave. Paden City, W.Va.
 TELEPHONE (304) 337-2215 TELEPHONE (304) 337-2215
 ESTIMATED DEPTH OF COMPLETED WELL: 1700 ROTARY _____ CABLE TOOLS XX
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS _____ COMB. (x) STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
- 16			
- 10			
5/8			
- 5/8	250'		
1/2			
1/2	Cement thru Pay		
			Perf. Top
			Perf. Bottom
3/4			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 110 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS No Coal Present
 COAL BEING MINED IN THE AREA? _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

Bond on file #S041311 with Dept. of Mines.

FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt of proof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

RECEIVED
JUL 1 1985

AFFIDAVIT OF PLUGGING AND FILLING WELL

OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, 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.

Coal Operator or Owner _____
 Address _____
 Coal Operator or Owner _____
 Address _____
 Lease or Property Owner _____
 Address _____

Bet-Ro, Inc. _____
 Name of Well Operator
 Route 4, Box 36-13, Weston, WV 26452
 Complete Address
 June 28, _____ 19 85
 WELL AND LOCATION
 Union _____ District _____
 Tyler _____ County _____
 WELL NO. _____ One _____
 Carl N. Hess (Homer Hess) _____ Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert Lowther, General Delivery, Middlebourne, WV 26149

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Gilmer (State Wide) ss:

Milford L. Yoak and Ronald Lee Osborne
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 Bet-Ro, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 17th. day of June, 19 85, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
570 to 470	Cement			275'
470 to 270	6% Gel			
270 to 170	Cement			
170 to 100	6% Gel			
100 to Surface	Cement			
Coal Seams		Description of Monument		
(Name)				
(Name)				
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 22nd. day of June, 19 85.

And further deponents saith not.

Sworn to and subscribed before me this 27th. day of June, 19 85.

Milford L. Yoak
Ronald L. Osborne

William R. Stalwater
Notary Public

My commission expires:
October 4, 1986

Permit No. 47-095-0482-P