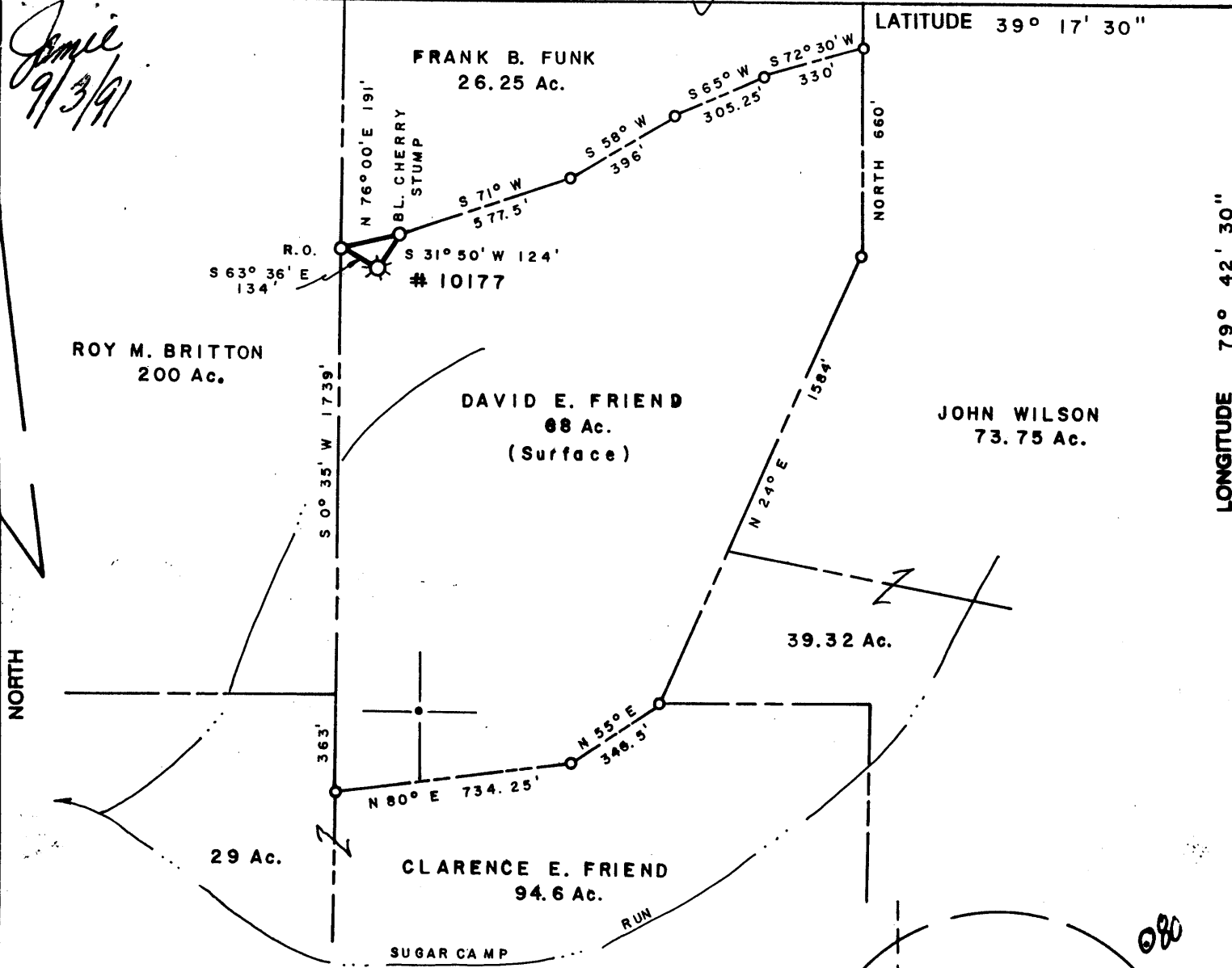


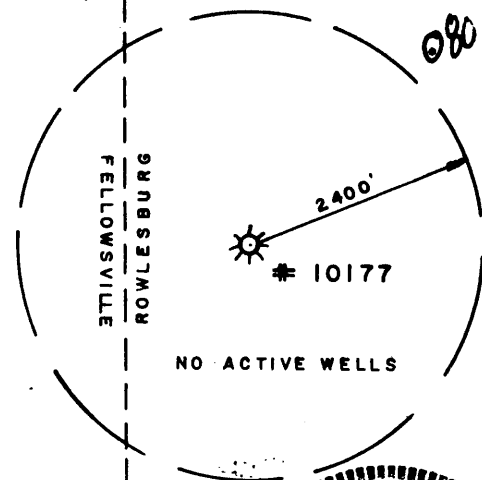
Jamil
9/3/91



WELL REF.:

LOC. TO 10" BLACK LOCUST S 43° 07' E 96'
 LOC. TO 4" MAPLE N 75° 58' E 66'

D.L. WHEELER & ASSOCIATES, INC.
 RT. 1, BOX 346
 CLARKSBURG, WV. 26301
 Tele. Ph.: 304-623-5851
 Fax. No.: 304-623-6131

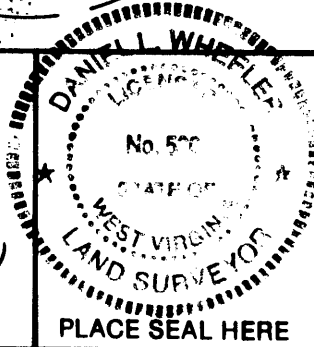


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION HOPE GAS CO. WELL
10177 API # 78 ELEV. 2285

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) *Daniel L. Wheeler*

R.P.E. _____ L.L.S. 530
 DANIEL L. WHEELER



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JUNE 26, 19 91
 OPERATOR'S WELL NO. #10177
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 2285 WATERSHED BUFFALO CREEK
 DISTRICT RENO COUNTY PRESTON
 QUADRANGLE ROWLESBURG 7.5'

SURFACE OWNER DAVID E. FRIEND ACREAGE 68
 OIL & GAS ROYALTY OWNER ALBERT W. FRIEND LEASE ACREAGE 68
 LEASE NO. _____

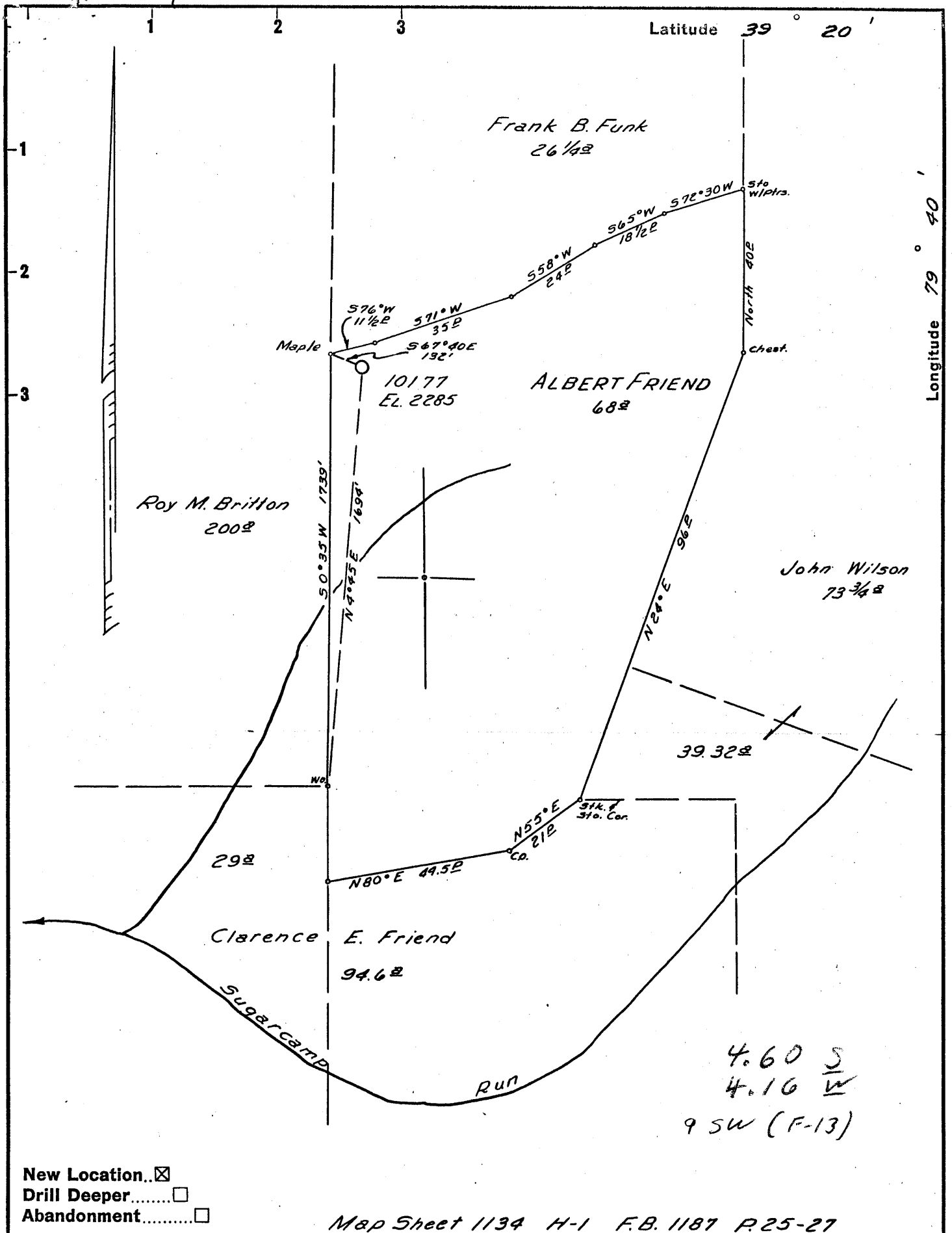
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON X CLEAN OUT AND REPLUG ___
 TARGET FORMATION HELDERBERG ESTIMATED DEPTH 5435'
 WELL OPERATOR HOPE GAS, INC. DESIGNATED AGENT GALVIN MORRISON
 ADDRESS P.O. BOX 2868 ADDRESS P.O. BOX 2868
CLARKSBURG, WV. 26301 CLARKSBURG, WV. 26301

SEP 9 1991

FORM WW-6

COUNTY NAME PERMIT



Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, W. VA.
 Farm ALBERT W. FRIEND
 Tract _____ Acres 68 Lease No. 65965
 Well (Farm) No. _____ Serial No. 10177
 Elevation (Spirit Level) 2285'
 Quadrangle KINGWOOD-SW
 County PRESTON District RENO
 Engineer Guy H. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date 6/9/58 Scale 1" = 30 E

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

WELL LOCATION MAP
 FILE NO. PREs-78

+ 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.

6-6 467 D.L.P. 1187



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle KINGWOOD

Permit No. PRES-78

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm Albert W. Friend Acres 68
Location (waters) _____
Well No. 10L77 Elev. 2285'
District Reno County Preston
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced July 10, 1958
Drilling completed Oct. 25, 1958
Date Shot Not From _____ To _____
With _____
Open Flow _____/10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 263 M Cu. Ft.
Rock Pressure 1800# lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED 10-30-58

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	42	42	
10	502	502	Size of
8 1/4	1837	1837	
6 5/8	4972	4972	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

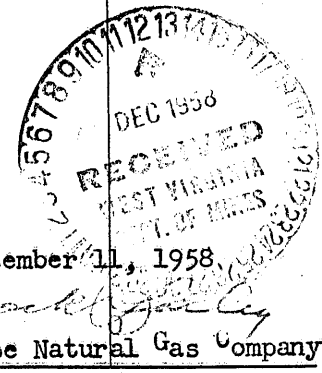
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
7" casing cemented with 60 bags uniflo
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
None FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT 2,268 M
ROCK PRESSURE AFTER TREATMENT 1800#
Fresh Water 180' 1375' Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale			0	40			
Lime			40	640	Water	180'	
Slate			640	1105			
Lime			1105	1335			
Slate			1335	1369			
✓ BENSON			1369	1393	Water	1375'	
Line			1393	1645			
✓ BENSON #2			1645	1768			
Slate & Shells			1768	3790			
Brown Shale			3790	4128			
Lime			4128	4190			
Shale			4190	4524			
✓ FULLY LIMESTONE			4524	4590			
Dark Shale			4590	4856			
Black Shale			4856	4947			
✓ ONONDAGA → <u>MARCELLUS?</u>			4947	4978			
✓ CHERT → <u>TIOGA?</u>			4978	5143			
✓ ORISKANY → <u>NEEDMORE?</u>			5143	5254			
✓ HELDERBERG			5254	5435			
Total Depth			<u>485</u>	5435'			
Cemented solid from 5435' to 5335'				Present total depth			

4947 5143 5254
2285 2285 2285
2667 2858 2969

Gas from 5143 to 5256'



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

AFFIDAVIT OF PLUGGING AND FILLING WELL

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: FRIEND, DAVID E Operator Well No.: 10179

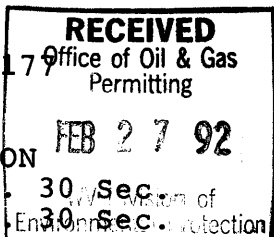
LOCATION: Elevation: 2285.00 Quadrangle: ROWLESBURG
 District: RENO County: PRESTON
 Latitude: 9100 Feet South of 39 Deg. 17 Min. 30 Sec.
 Longitude 10525 Feet West of 79 Deg. 42 Min. 30 Sec.

Well Type: OIL _____ GAS x

Company: Hope Gas, Inc. Coal Operator None
P. O. Box 2868 or Owner _____
Clarksburg, WV 26301

Agent: Calvin R. Morrison Coal Operator _____
 or Owner _____

Permit Issued: 09/05/91



AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Preston ss:

Calvin R. Morrison and Rymer Moyers 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 the above named well operator, and participated in the work of plugging and filling the above well, and Phillip Tracy Oil and Gas Inspector representing the Director, say that said work was commenced on the 1st day of November, 1991, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	615'	515'	10 3/4" CSG-502'	10 3/4" CSG-None
Gel	515'	216'		
Cement	261'	Surface		13 3/8" CSG - 42

Description of monument: 7" CSG with API # Attached
and that the work of plugging and filling said well was completed on the 13th day of November, 1991.

And further deponents saith not.

Calvin R. Morrison
Rymer Moyers
 and Gas Inspector: Phillip L. Tracy

Subscribed and sworn to before me this 18th day of FEBRUARY, 1992
SEPT. 10 1992

Sandra D. Hubbard
 Notary Public

