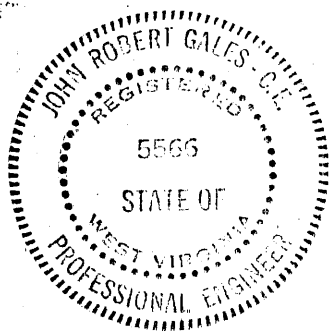
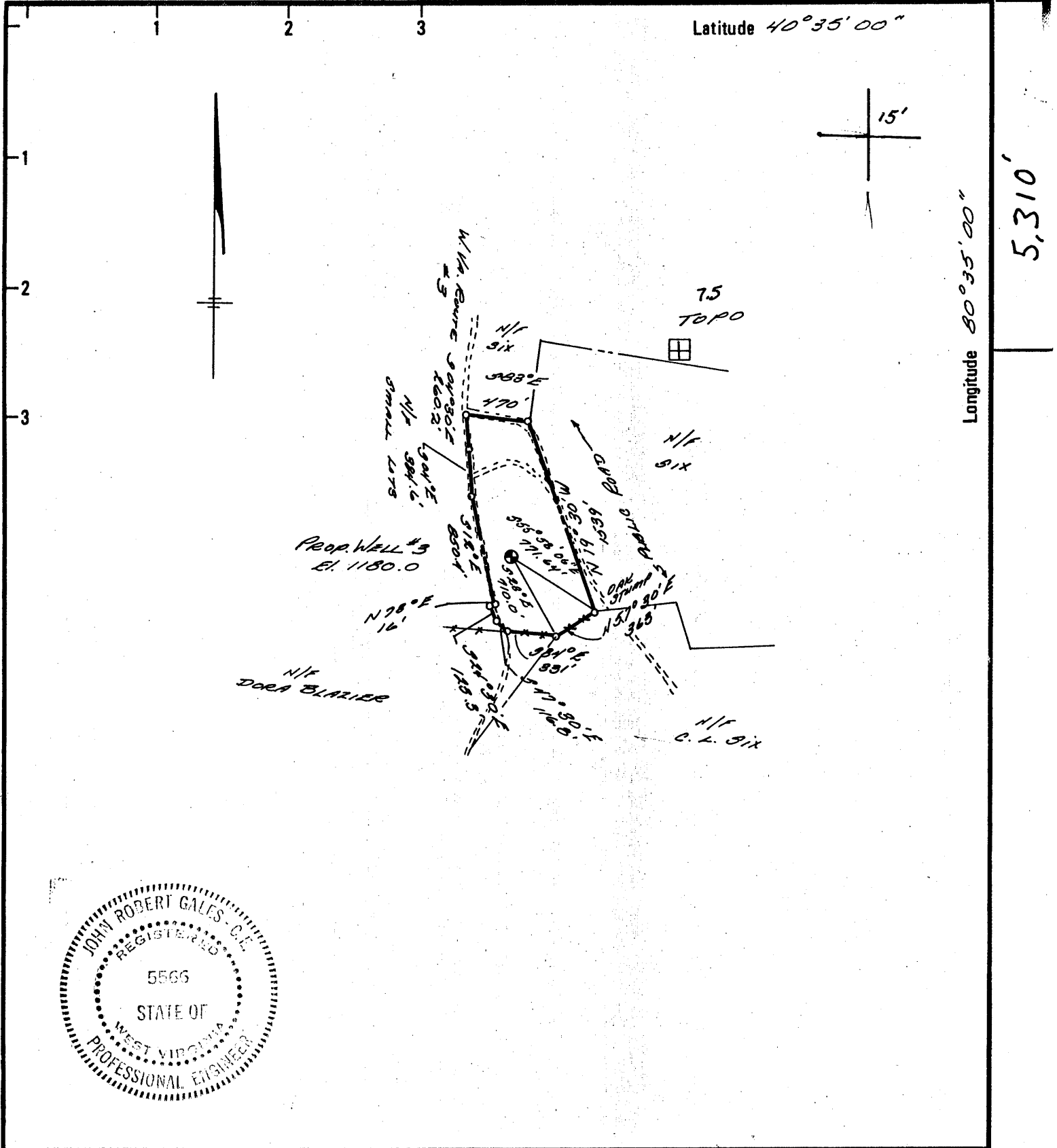


4,800'

Latitude 40°35'00"

Longitude 80°35'00"

5,310'



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 PART IN 2500
 Source of Elevation U.S.G.S. MAP 7 1/2 MIN. SERIES
 John Robert Gales
 "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."

Company GLOBE REFRACTORIES INC.
 Address P.O. Box D. NEWELL W. VA. 26050
 Farm ROBERTA SIX
 Tract _____ Acres 23.36 Lease No. H-234
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 1180.0 WELLSVILLE 15
 Quadrangle EAST LIVERPOOL SOUTH 7 1/2 MIN.
 County HANCOCK District GRANT
 Engineer J. R. GALES
 Engineer's Registration No. 5566
 File No. _____ Drawing No. _____
 Date 4/7/80 Scale 1"=1000'

334

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

WELL LOCATION MAP
 FILE NO. 029-0094

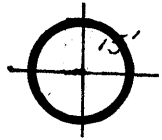
CANCELLED

+ 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.

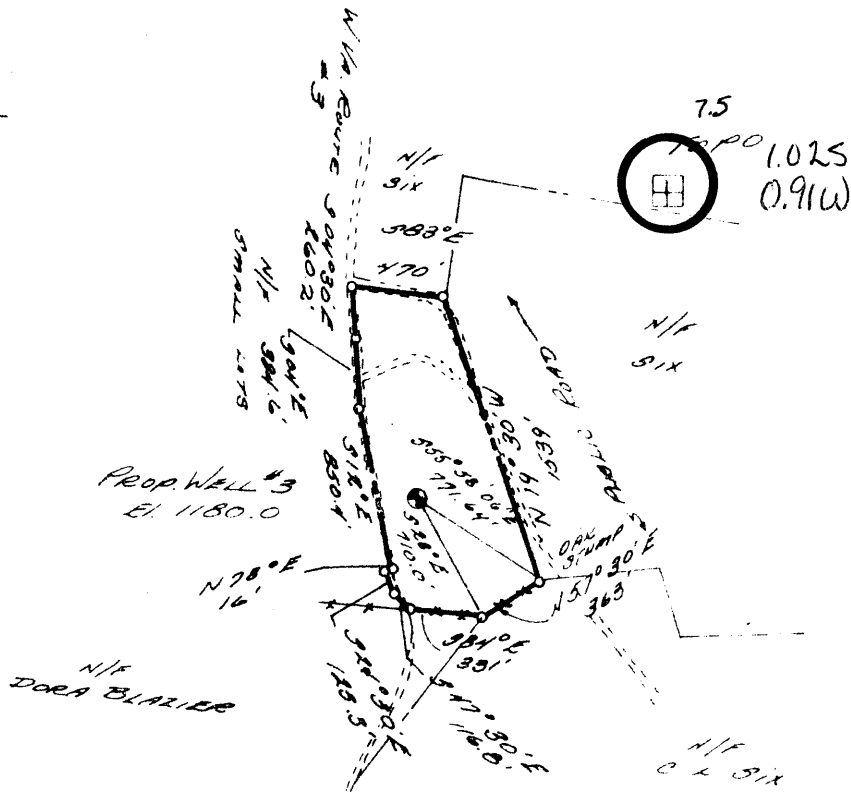
- Denotes one inch spaces on border line of original tracing.

MAR 16 1987

Latitude 40°35'00"



Longitude 80°35'00"



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 PART IN 2500
 Source of Elevation U.S.G.S. MAP 7 1/2 MIN SERIES

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 County HANCOCK District GRANT
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STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 029-0094

+ 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.



RECEIVED

APR 10 1980

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL & GAS DIVISION

Oil and Gas Division DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Clarence Six & Roberta, ux
Address R.D/#2 Box 341, New Cumberland, W.V. 26047
Mineral Owner Same
Coal Owner Same
Coal Operator Same

DATE April 7, 1980
Company Globe Refractories, Inc.
Address P.O. Box D, Newell, W.V. 26050
Farm Clarence & Roberta Six Acres 23.36
Location (waters)
Well No. #3 Elevation 1180.0
District Grant County Hancock
Quadrangle East Liverpool South 7 1/2 min.

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 12-30-80

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Phillip Tracy
ADDRESS Middleburn, West Virginia
PHONE 304-758-4573

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 October 18 19 79 by Clarence & Roberta Six made to Globe Refractories and recorded on the 15 th day of Nov. 19 79 in Hancock County, Book 19 Page 414

X 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 to 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 or coal owners at their above shown respective address February 25, 1980 day OR before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

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

Address of Well Operator

Very truly yours,
Globe Refractories, Inc.
Well Operator
P.O. Box D
Newell
West Virginia 26050

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

BLANKET BOND

47-029-0094

PERMIT NUMBER

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

Signed by Richard W. Lee

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: #3101-State of WV
 NAME _____ NAME Richard W. Lee, Mine Supt. P.E.E.M.
 ADDRESS _____ ADDRESS 434 Florida Avenue, Chester, WV
 TELEPHONE _____ TELEPHONE 304-387-1160
 ESTIMATED DEPTH OF COMPLETED WELL: 7,000' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Clinton
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16 <u>13"</u>	30' then pulled		
11 3/4 250' *		250'	
9 - 5/8			
8 - 5/8 1,000' **		1,000'	<i>To Surface</i>
7			
5 1/2			
4 1/2 7,000'		7,000'	
3			
2 7,000'		7,000'	Perf. Top
			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 300 FEET SALT WATER 800 FEET
 APPROXIMATE COAL DEPTHS 200'
 IS COAL BEING MINED IN THE AREA? No 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.

TO 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.

- * Or to protect nearby domestic water
- ** Or thru Berea Sand

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

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