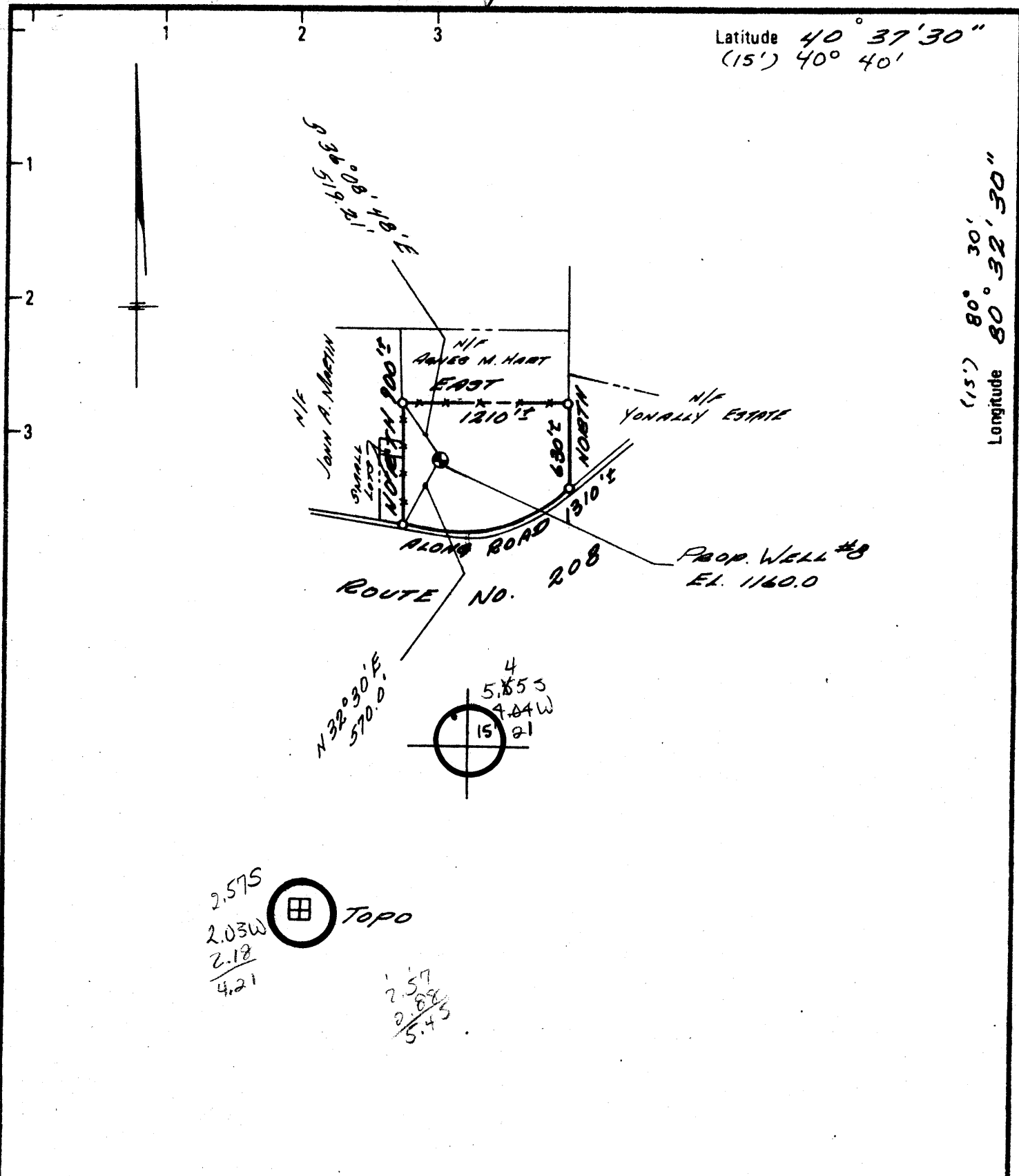


Latitude $40^{\circ} 37' 30''$
 (15') $40^{\circ} 40'$

Longitude $80^{\circ} 30'$
 (15') $80^{\circ} 32' 30''$



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

"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." *J. R. Gales*

New Location
 Drill Deeper
 Abandonment

Company GLOBE REFRACTORIES INC.
 Address P.O. BOX D. NEWELL W. VA. 26050
 Farm CLYDE CLAYTON MCCOY et al
 Tract _____ Acres 23 Lease No. _____
 Well (Farm) No. 8 Serial No. _____
 Elevation (Spirit Level) 1160.0 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 4/28/80 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. 029-0096

+ 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.

5000 ORISKANY

9.8*58 P.# 66

DB.# 53 P. 81

Deep well.

479-999

JUN 6 1980

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ID: COUNTY: 029 (HANCOCK) PERMIT: 96 SFX: 0 (New Location) REASSIGNED ID #: ()
COMPLETION INFO: ELEVATION: COMP REC FLAG: (not@DOE/OGIS) * LOCATION TAX DST:
ELEVATION TYPE: RIG TYPE: 0 * INFO: 7.5' LATITUDE: DEGREES MINUTES MILES
() (unknown) * 00 00.0 0.00S
* LONGITUDE: 00 00.0 0.00W
* QUADRANGLE:
CLASSIFICATION: DATES: MM/DD/YYYY * 15' LATITUDE: 00 00 0.00S
INITIAL: (unclassified) SPUD: / / WELL TYPE: * LONGITUDE: 00 00 0.00W
FINAL: (unclassified) COMP: / / ( ) * QUADRANGLE:
FIELD: 000 BATCH: / / CMPL METH: 0 * 5' SECT:
(Unnamed) YEAR RPTD: (unknown) *
OPEN GAS-BEFORE TREATMENT: (MCFPD) OIL-BEFORE TREATMENT: (BOPD) * UTM: EASTING: NORTHING:
FLOW: GAS-AFTER TREATMENT: (MCFPD) OIL-AFTER TREATMENT: (BOPD) * COORDINATE DIGITIZED (Y/N):
ROCK NATURAL (PSI): 0 TIME (NATURAL, IN HOURS): 0 * OWNER STATUS: C (Cmplt) DATE: / /
PRESSURE: TREATED (PSI): 0 TIME (TREATED, IN HOURS): 0 * INFO: SURFACE OWNER: Clyde Clayton McCoy 8
DEPTHS: TOTAL FTG: 0 NEW FTG: 0 EXPL FTG: 0 * OIL&GAS OWNER:
* COMPANY NUMBER:
DEEPEST FM: AT TOTAL DEPTH: 999 TESTED: 999 * OPERATOR: 0721 (Quaker State)
(undetermined unit) (undetermined unit) *

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MECHANICAL LOG INFO: STATUS: RANGE OF INTERVALS: 600- 5030 DEEPEST FM LOGGED:
LOGS AVAILABLE: GR,D,N MICROFILM ROLL NUMBER(S): 156
COMMENT:
LOG TYPES: GR-gamma ray; D-density; T-temperature; I-induction; N-neutron; S-sonic; *Other types not noted

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from log

DTD: 5042

LTD 5033

log run 7/12/1980

top Onon. 4644

Kla 11/8/2006



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

REC-100

APR 28 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

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

DATE April 28, 1980
Company Globe Refractories, Inc.
Address P.O. Box D, Newell, WV 26050
Farm Clyde Clayton McCoy Acres 23
Location (waters) _____
Well No. #8 Elevation 1160.0
District Grant County Hancock
Quadrangle East Liverpool South 7 1/2 Min.

Surface Owner Clyde Clayton McCoy, et al
Address P.O. Box 353, Chester, WV 26034
Mineral Owner Same
Address Same
Coal Owner Same
Address Same
Coal Operator Same
Address Same

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 1-1-81.

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

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 October 18, 1979 by Clyde Clayton McCoy, et al made to Globe Refractories, Inc. and recorded on the 14th day of Nov. 1979 in Hancock County, Book 19 Page 237

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 _____ day _____ 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

Very truly yours,
(Sign Name) Globe Refractories, Inc.
Well Operator
P.O. Box D
Street
Newell
City or Town
West Virginia 26050
State

Address
of
Well Operator

*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.

47-029-0096 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. Hill

**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 Ave., Chester, WV
 TELEPHONE _____ TELEPHONE 304-387-1160
 ESTIMATED DEPTH OF COMPLETED WELL: 5,000' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 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	30' then pulled		
11 3/4 250' *		250'	
9 - 5/8			
8 - 5/8 1,000' *		1,000'	
7			
5 1/2			
4 1/2 5,000'		5,000'	
3			
2 5,000'		5,000'	Perf. Top
Liners			Perf. Bottom
			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