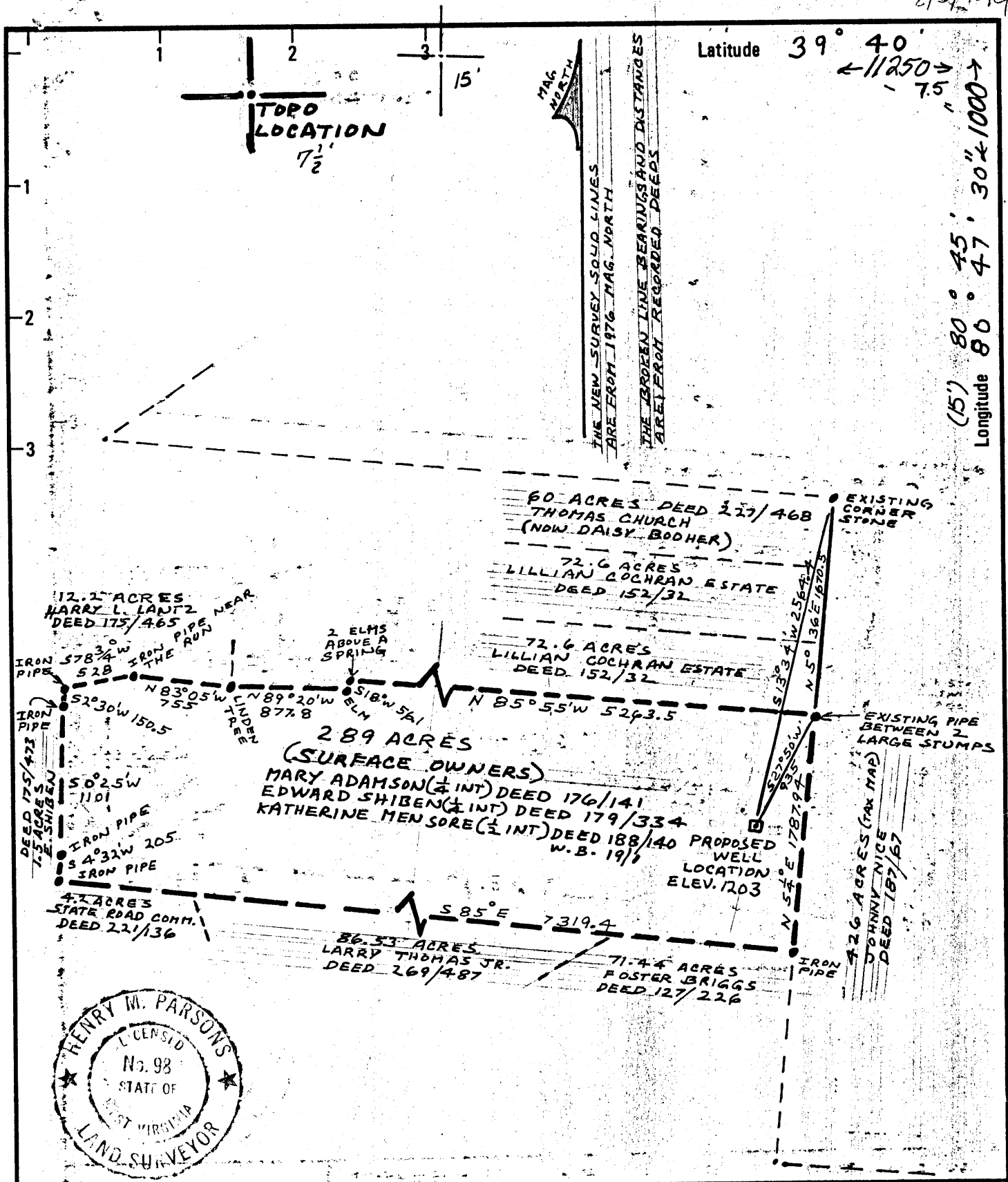
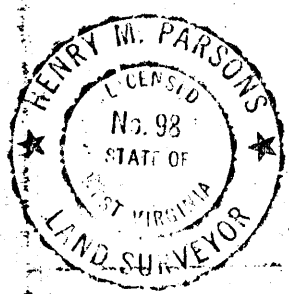


2/9/1977



Latitude 39° 40' ← 11250 →
 7.5'
 (15') 80° 45' 47' 30" ← 1000 →
 Longitude 80° 47' 30" ← 1000 →



New Location
 Drill Deeper
 Abandonment

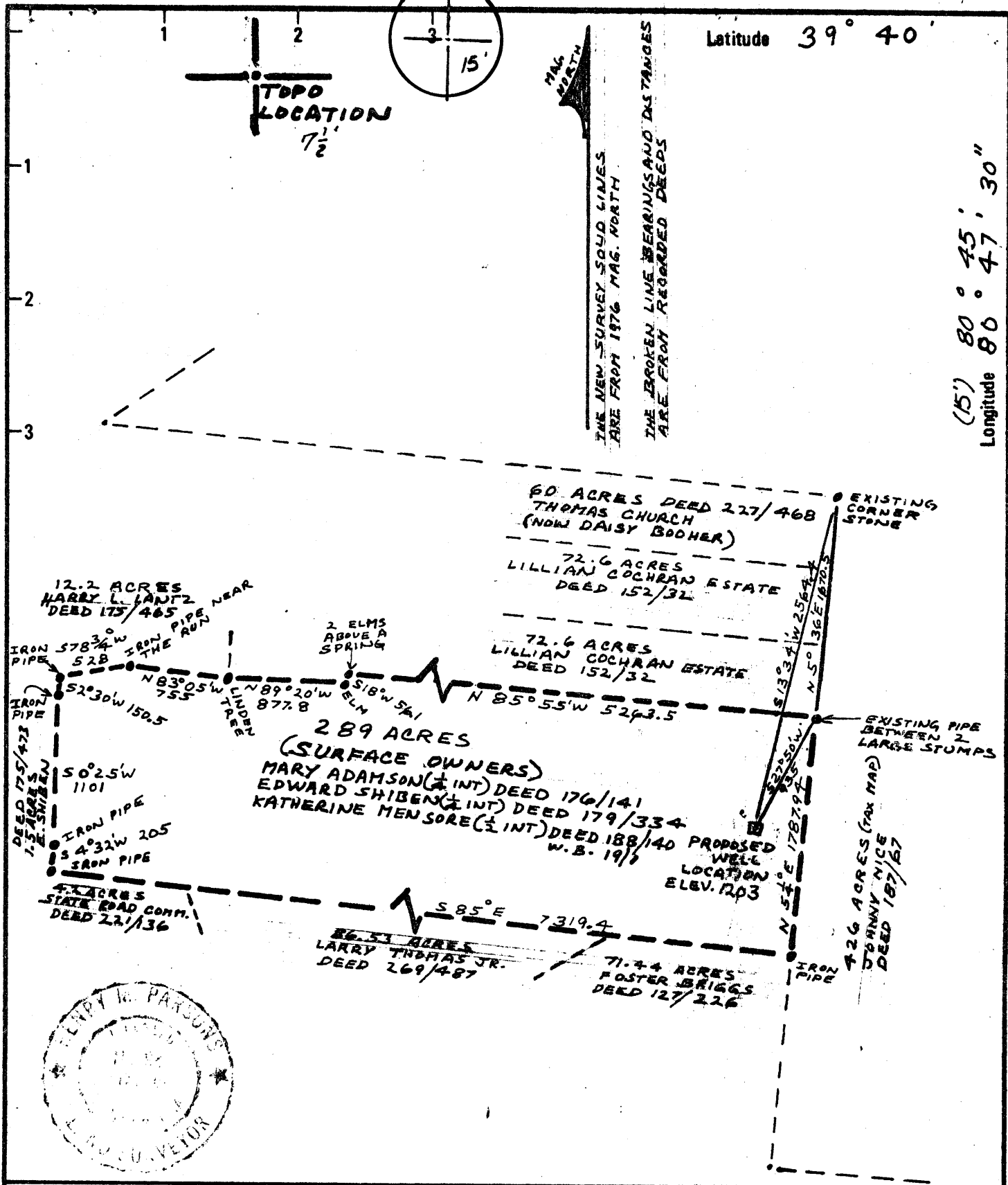
Minimum Error of Closure METHODS USED SHOULD PRODUCE 1 IN 2500
 Source of Elevation U.S.G.S. TRIANGULATION STATION (MC GRAY ECCENTRIC 1957) WITH AN ELEVATION OF 1344
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."
 Henry M. Parsons

Company MOBAY CHEMICAL CORPORATION
 Address NEW MARTINSVILLE, W.VA.
 Farm ADAMSON, SHIBEN AND MENSORE
 Tract _____ Acres 289 Lease No. _____
 Well (Farm) No. WILLIAMS ESTATE #1 Serial No. _____
 Elevation (Spirit Level) 1203 7 1/2, 15'
 Quadrangle NEW MARTINSVILLE (1:24000)
 County WETZEL District MAGNOLIA
 SURVEYOR HENRY M. PARSONS
 Engineer's Registration No. 98
 File No. 74-81 Drawing No. _____
 Date DEC. 3, 1977 Scale 1" = 1000'

581
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. WET-643
 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.
 47-103 FEB 23 1987

3300 Garden

47-103



New Location Drill Deeper Abandonment

Minimum Error of Closure METHODS USED SHOULD PRODUCE 1 IN 2500
 Source of Elevation U.S.G.S. TRIANGULATION STATION (MC GRAY ECCENTRIC 1957) WITH AN ELEVATION OF 1344

"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. Henry M. Parsons

Company MOBAY CHEMICAL CORPORATION
 Address NEW MARTINSVILLE, W.VA.
 Farm WILLIAMSON ESTATE ADAMSON, SHIBEN AND MENSORE
 Tract _____ Acres 289 Lease No. _____
 Well (Farm) No. WILLIAMS ESTATE #1 Serial No. EC
 Elevation (Spirit Level) 1203 7 1/2' 15"
 Quadrangle NEW MARTINSVILLE (1:24000)
 County WETZEL District MAGNOLIA
 SURVEYOR HENRY M. PARSONS
 SURVEYOR'S 98
 Engineer's Registration No. 98
 File No. 74-81 Drawing No. _____
 Date DEC. 3, 1977 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. WET-643

+ 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.

47-103 FEB 21 1978



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB - 9 1978

Oil and Gas Division OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 6, 1978

Surface Owner Shiben, Adamson and Mensore
Address New Martinsville, WV 26155
Mineral Owner Williams Estate Heirs & Shiben et al
Address New Martinsville, WV 26155
Coal Owner same
Address same
Coal Operator none
Address _____

Company Mobay Chemical Corporation
Address Penn Lincoln Parkway West, Pittsburgh,
Farm Williams Estate Heirs Acres 289
Location (waters) Haynes Run
Well No. 1 Elevation 1203
District Magnolia County Wetzel
Quadrangle New Martinsville (1:24000)

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 6-9-78.

INSPECTOR
TO BE NOTIFIED Phil Tracy
ADDRESS Middlebourn, W. Va.
PHONE 758-4573

[Signature]
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 June 24 1976 by Shiben et al made to Mobay Chemical Corporation and recorded on the 27th day of June 1977, in Wetzel County, Book 57A Page 108

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, Mobay Chemical Corporation
(Sign Name) [Signature]
Haddad and ^{Well Operator} Brooks, Inc.
Penn Lincoln Parkway West
Pittsburgh
PA 15205

*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 BOARD

"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 _____

WET-643 PERMIT NUMBER

47-103

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Delta Drilling Company NAME Mobay Chemical Corporation
 ADDRESS Indiana, PA 15701 ADDRESS New Martinsville, WV
 TELEPHONE (412) 465-5657 TELEPHONE (304) 455-4400
 ESTIMATED DEPTH OF COMPLETED WELL: 3300' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon
 TYPE OF WELL: OIL _____ GAS _____ COMB. 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.
20 - 16			
13 - 10 11 3/4"	375'	375'	cement to surface
9 - 5/8			
8 - 5/8	2350'	2350'	cement w/75 sx & gel to surface
7			
5 1/2			
4 1/2 production	run and cemented as needed		
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 90 FEET _____ SALT WATER 1700 FEET 2250
 APPROXIMATE COAL DEPTHS 975' Pittsburgh Coal _____
 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.

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