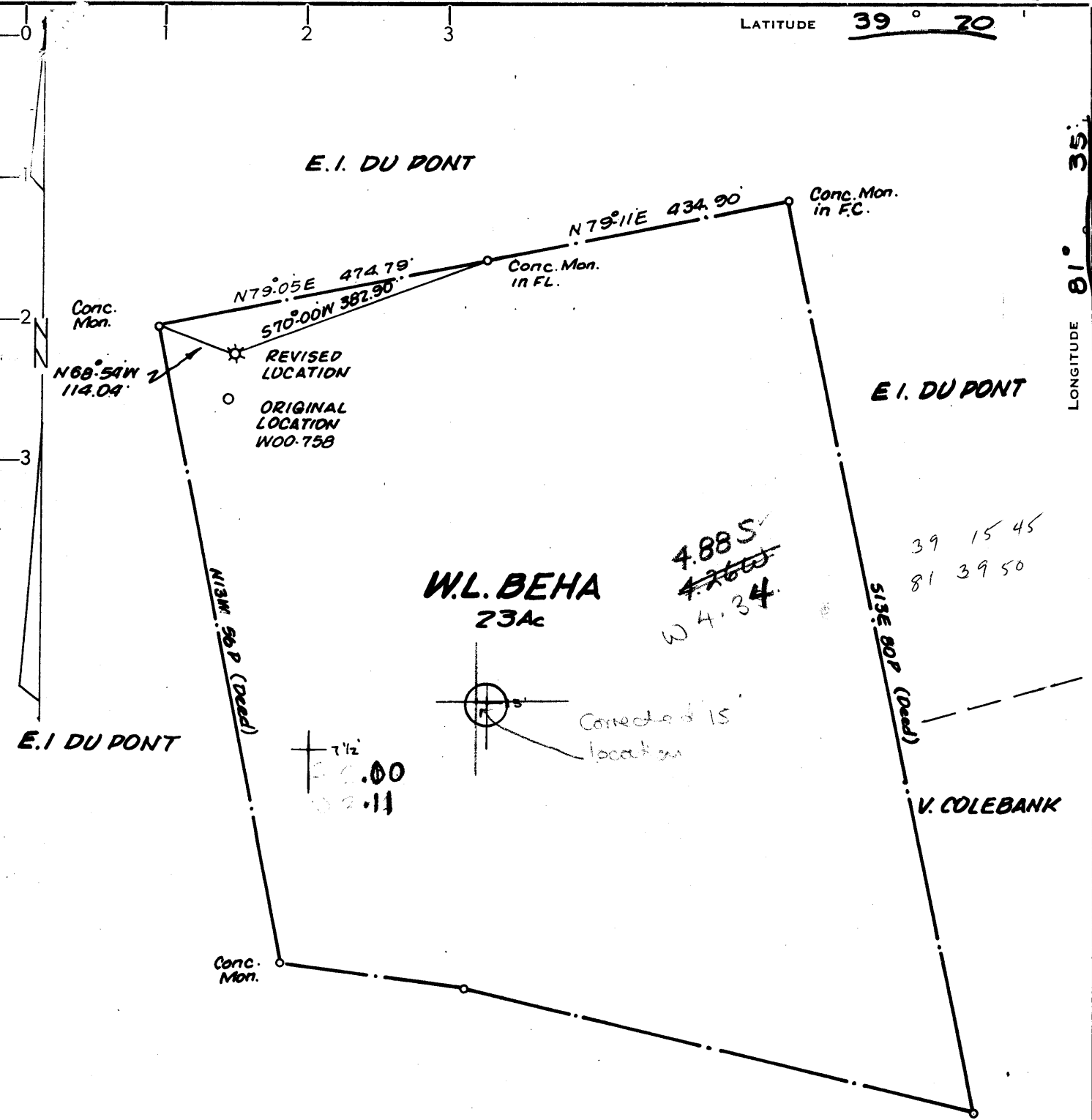


4/13/77 *KE*

39° 17' 30" 7 1/2

LATITUDE 39° 20'

LONGITUDE 81° 35'
81° 37' 30" 7 1/2



- REVISED LOCATION
- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE

"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."

Minimum degree of accuracy is one part in 200

Signed Frank H. Barber U.S.#289

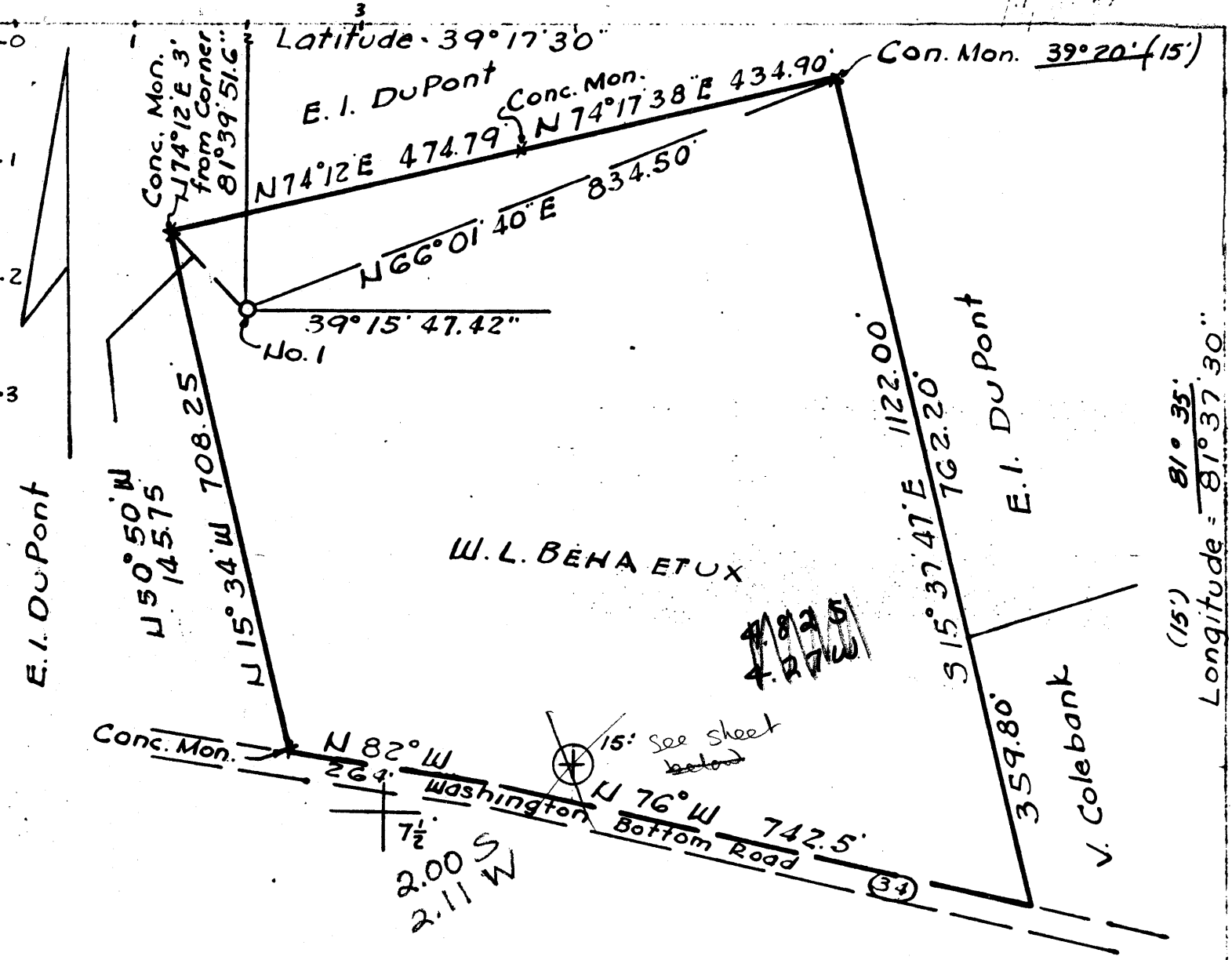
COMPANY E. I. DU PONT DE NEMOURS & COMPANY
 ADDRESS P.O. BOX 1217 PARKERSBURG, W. VA
 FARM W. L. BEHA
 MAP _____ ACRES 23 LEASE NO. _____
 WELL (FARM) NO. 1 REVISED SERIAL NO. G-6
 ELEVATION (SPIRIT LEVEL) 788.21
 QUADRANGLE PARKERSBURG SC Little Rocking 7.5'
 COUNTY WOOD DISTRICT LUBECK
 POINT OF PROVEN ELEVATION USCG DATA ROAD INTERSECTION
N.W. OF LOC. EL. 621
 FILE NO. 016 DRAWING NO. _____
 DATE APRIL 2, 1977 SCALE 1" = 200 FT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. WOO-758-REV
 + 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. 47-107
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

5-5 Washington Bottom (357)

Deer We 11

MAY 13 1977



FRACTURE.....
 REFRILL.....
 NEW LOCATION. X
 BRILL DEEPER...
 ABANDONMENT ...

Source of Elevation Mon. DuPont @ N2250 E5445.5 E1:639.66

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.

ELEVATION (Spirit Level) 772.7
 DATE 10-28-76 SCALE 1"=200'

MINIMUM ACCURACY, one part in 3000

COMPANY E. I. DUPONT DE NEMOURS & Co.
 ADDRESS PARKERSBURG, W. VA.
 FARM W. L. BEHA
 TRACT N-3 ACRES .23 LEASE No. SC
 WELL (Farm) No. 1 SERIAL No. G-6
 QUADRANGLE 7 1/4' LITTLE HOCKING, Parkersburg
 COUNTY WOOD DISTRICT LUBECK

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

WELL LOCATION MAP
 FILE No. W00-758

+ Denotes location of well on United States Topographic Maps, Scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

SURVEYOR or ENGINEER R. V. Schulteis Jr.

SURVEYOR'S or ENGINEER'S REGISTRATION No. 5681 (OHIO)

Deep Well 47-107 NOV 18 1976



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Little Hocking

Permit No. WOO-758 (Rev) (47-107-758)

Rotary X Oil X
Cable _____ Gas X
Recycling _____ Comb. X
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company E.I. DuPont de Nemours Co., Inc.
Address Box 1217, Parkersburg, WV 26101
Farm William H. Beha Acres 23
Location (waters) Page Run
Well No. 1 (G-6) Elev. 788.21
District Lubeck County Wood
The surface of tract is owned in fee by _____
William L. Beha and Betty L. Beha
Address Rt. 2, Box 9, Washington, WV
Mineral rights are owned by Same
Address Same
Drilling Commenced Feb. 4, 1977
Drilling Completed Feb. 15, 1977
Initial open flow Est. 125 Mcu. ft. -0- bbls.
Final production 1.1MM cu. ft. per day -1- bbls*
Well open Four Point ~~Four Point~~ test 1622 RP

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size All New			
Cond. 13-10" 11-3/4	153	153	Circulate to surface 110 sks.
9 5/8			
8 5/8	2142	2142	Circulate to surface 550 sks.
7			
5 1/2	4285	4285	100' 22 sks.
4 1/2			
3			
2			
Liners Used			

Well treatment details:
Fracture w/500 gallons 15% NE Acid, 28,000# 20-40 sand
1100 bbls. fresh water

Coal was encountered at None Feet _____ Inches _____
Fresh water Drilled w/mud Feet -- Salt Water Drilled w/mud Feet --
Producing Sand Oriskany Depth 4285-4320

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sandstone			0	45		*Log measurements. From D.F. = 784, 11' ABOVE GRADED SURFACE ELEV = 772.7
Shale and sand			45	345		
Sand			345	394		
Shale and sand			394	900		
Sand			900	930		
Shale			930	956		
Sand			956	980		
Shale			980	1000		
Sandstone and shale			1000	1300		
Sand			1300	1442		
Shale			1442	1510		
Sand (Injun)			1510	1660		
Shale			1660	1990		
Sand (Berea)			1990	1994		
Shale			1994	4218		
Lime (Onondaga)			4218	4298		
Oriskany formation			4298	4320	Total Depth	

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

NOV 4 1976

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

William L. Beha &

Surface Owner Betty L. Beha

Address Rt. 2, Box 9, Washington, W. Va.

Mineral Owner Same

Address _____

Coal Owner None

Address _____

Coal Operator None

Address _____

DATE 11-4-76

Company E.I. DU PONT DE NEMOURS & CO. INC.

Address P.O. Box 1217 Parkersburg, WVa 2610

Farm William L. Beha Acres 23

Location (waters) Page Run

Well No. 1 (B-6) Elevation 772.7'

District Lubeck County Wood

Quadrangle Little Hocking, Ohio - 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 3-4-77.

Deputy Director - Oil & Gas Division

INSPECTOR

TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, WV.

PHONE 477-2455

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 May 18 1976 by William L. Beha & Betty L. Beha made to E.I. duPont de Nemours & Co. and recorded on the 29th day of October 1976 in Wood County, Book 678 Page 45

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.

Very truly yours,

(Sign Name) Original signed by Ralph E. Sieber
Well Operator

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

P.O. Box 1217
Street
Parkersburg
City or Town
West Virginia 26101
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 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.

W00-758 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."

47 107

Signed by _____

BLANKET PERMIT

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: _____
 NAME Unknown _____ NAME Ralph E. Sieber _____
 ADDRESS _____ ADDRESS P.O. Box 1217 Parkersburg, W. Va. _____
 TELEPHONE _____ TELEPHONE (304) 863-5311 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 4400' _____ 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	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	150'	150'	100 Sx
9 - 5/8			
8 - 5/8	2200'	2200'	500 Sx
7			
5 1/2	4400'	4400'	300' Fill Up
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None _____
 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