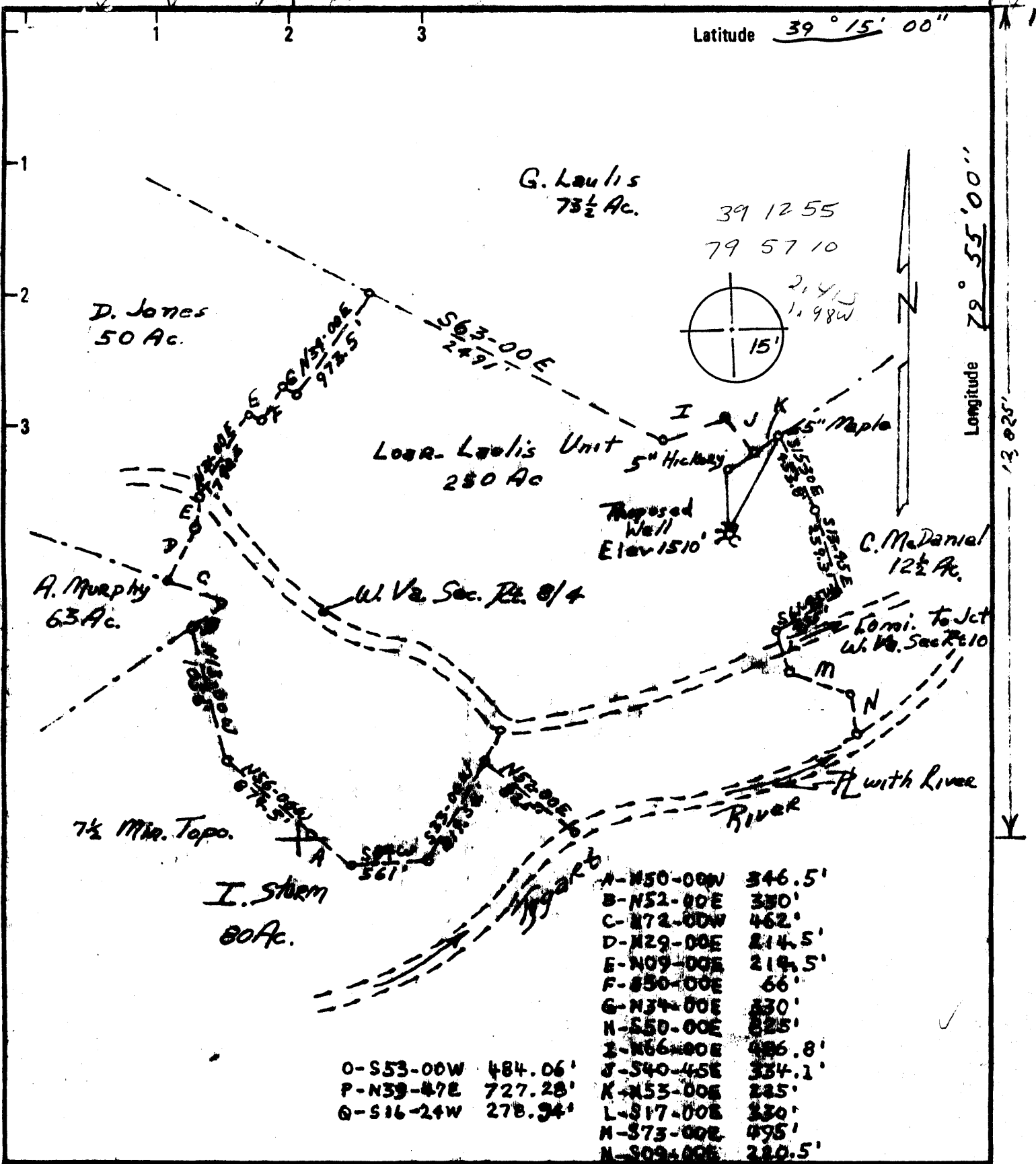


Latitude 39° 15' 00"

Longitude 79° 55' 00"



Minimum Error of Closure 1/16 IN. 5000'  
 Source of Elevation U.S.G.S. BM-MARTINSVILLE 1234'  
 U.S.G.S. NESTORVILLE TOPOGRAPHIC QUAD.  
 "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."  
*Paul G. Dean*

New Location   
 Drill Deeper   
 Abandonment

Company PETROLEUM DEVELOPMENT CORP  
 Address 103 E. MAIN BRIDGEPORT W. VA.  
 Farm KECHT-LAULIS-LOAR UNIT  
 Tract \_\_\_\_\_ Acres 250 Lease No. \_\_\_\_\_  
 Well (Farm) No. ONE Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1510' NW  
 Quadrangle NESTORVILLE, BELINGTON 15'  
 County BARBOUR District PLEASANT  
 Engineer PAUL G. DEAN  
 Engineer's Registration No. 1856  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 5/2/78 Scale 1" = 1000'

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

WELL LOCATION MAP  
 FILE NO. BAR-1017

+ 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.

47-001 JUL 10 1978

6-6 4500' Benson TAYLOR DRAIN 3/6



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD #

FEB 24 1979

OIL AND GAS DIVISION  
DEPT. OF MINES

Quadrangle Nestorville

Permit No. Bar-1017

Rotary XX Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas XX \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company Petroleum Development Corporation  
Address P.O. Box 26, Bridgeport, WV 26330  
Farm Kracht-Laulis-Loar Acres 250  
Location (waters) Tygart River  
Well No. One Elev. 1510  
District Pleasant County Barbour

The surface of tract is owned in fee by  
Howard J. R. and Norma Coon

Address 729 Lorain Ave. Dayton, OH.

Mineral rights are owned by Same

Address \_\_\_\_\_

Drilling Commenced 6/25/78

Drilling Completed 6/30/78

Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.

Final production 880m cu. ft. per day \_\_\_\_\_ bbls.

Well open 48 hrs. before test 1115 RP.

Well treatment details:

Attach copy of cementing record.

<u>Balltown</u>	<u>492 bbl</u>	<u>10,000</u>	<u>80/100</u>	<u>Elk</u>	<u>460 bbl</u>	<u>10,000</u>	<u>80/100</u>
		<u>40,000</u>	<u>20/40</u>			<u>30,000</u>	<u>20/40</u>
<u>Riley</u>	<u>445 bbl</u>	<u>10,000</u>	<u>80/100</u>				
		<u>30,000</u>	<u>20/40</u>				
<u>Benson</u>	<u>450</u>	<u>10,000</u>	<u>80/100</u>				
		<u>30,000</u>	<u>20/40</u>				

Coal was encountered at 273 Feet \_\_\_\_\_ Inches

Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Producing Sand 4th Elk, Benson Riley, Bradford Depth 4810, 4131, 3880, 3613

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	97		
Shale			92	710		
Sand & Shale			710	992		
Shale			992	1060		
Big Lime			1060	1250		
Shale			1250	1280		
Injun			1280	1300		
Shale			1300	1420		
Gantz			1420	1464		
Shale			1464	1500		
50			1500	1550		
Shale			1550	1560		
30			1560	1600		
Shale			1600	1960		
4th			1690	2000		
Shale			2000	2050		
5th			2050	2074		
Shale			2074	2770		
Speechly			2770	2785		
Shale			2785	3608		
Bradford			3608	3620		
Shale			3620	3880		
Riley			3880	3885		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet <sup>4</sup>	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			3885	4131		
Benson			4131	4138		
Shale			4138	4320		
1. Elk			4320	4340		
Shale			4340	4412		
2. Elk			4408	4412		
Shale			4412	4555		
3. Elk			4555	4564		
Shale			4564	4804		
4. Elk			4804	4815		

T.D. Logger  
T.D. Driller

Date February 21, . 1979

APPROVED Petroleum Development Corp. Owner

By

*John C. Moore*  
(Title)  
Petroleum Engineer

Petroleum Engineer



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JUN - 2 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 31, 1978

Surface Owner Howard J R & Norma Coon

Company Petroleum Development Corporation

Address 729 Lorain Ave Dayton Ohio

Address P O Box 26 Bridgeport WV 26330

Mineral Owner Same

Farm Kracht-Laulis-Loar Acres ~~100~~ 250

Address \_\_\_\_\_

Location (waters) Tygart River

Coal Owner (1) Hillman Coal & Coke Co

Well No. One Elevation 1510'

Address Pitts Pa

District Pleasant County Barbour

Address (2) Republic Steel Corp

City/Operator Uniontown, Pa

Quadrangle Nestorville

Address \_\_\_\_\_

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

INSPECTOR

for drilling. This permit shall expire 10-19-78 if not notified Bob Stewart

operations have not commenced by 10-19-78

ADDRESS Box 345 Jane Lew WV 26378

*Robert Stewart*

Deputy Director - Oil & Gas Division

PHONE 884-7782

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 September 26th 1968 by Marie C. Kracht made to Consolidated Gas Supply Corp. and recorded on the 16th day of November 1968, in Barbour County, Book 64 Page 453

XX 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,  
PETROLEUM DEVELOPMENT CORPORATION

(Sign Name)

Well Operator

Address  
of  
Well Operator

P O BOX 26

Street

BRIDGEPORT

City or Town

WEST VIRGINIA 26330

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.

BLANKET BOND

BAR-1017 PERMIT NUMBER

47-001

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

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME Unknown NAME Petroleum Development Corp  
 ADDRESS \_\_\_\_\_ ADDRESS P O Box 26 Bridgeport WV 26330  
 TELEPHONE \_\_\_\_\_ TELEPHONE 842-6256  
 ESTIMATED DEPTH OF COMPLETED WELL: 4500' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Benson  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX 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	40'	40'	Surface
9 - 5/8			
8 - 5/8	950'	950'	Surface
7			
5 1/2			
4 1/2		4300'	-----
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40' FEET 160' SALT WATER 700' FEET  
 APPROXIMATE COAL DEPTHS 450'  
 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