



- A- N54-00W, 156.75
- B- N38-00E, 99.00°
- C- N48-00E, 99.00°
- D- N45-00E, 82.50°
- F- N35-00W, 181.50°
- F- N31-00W, 140.50°
- G- N9-00W, 154.44°

Latitude $39^{\circ}12'30''$
(15') $39^{\circ}15'$

Longitude $80^{\circ}10'$
(15') $80^{\circ}12'30''$

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure $1'' = 5000'$
 Source of Elevation USGS - Bl. Mt. ...
 USGS MOUNT CLARE TOPO. MAP ...
 "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 PETROLEUM DEVELOPMENT CORP.
 Address 107 E. MAIN ST., BRIDGEPORT, VA.
 Farm LILLIE BARRETT, Tonia H. Stout
 Tract _____ Acres 300 Lease No. _____
 Well (Farm) No. _____ Serial No. _____
 Elevation (Spirit Level) 1260'
 Quadrangle BRIDGEPORT, 7 1/2 Philippi NW
 County HARRISON District IMPSON
 Engineer L. C. STOUT
 Engineer's Registration No. 300 SU
 File No. _____ Drawing No. _____
 Date APR 20 1978 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. HAR-1239

+ 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.

47-033 JUN 1 1978



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED

AUG 2 1978

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Brownston 7½

Permit No. HAR-1239

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

Company <u>Petroleum Development Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 26, Bridgeport, W.V. 26330</u>				
Farm <u>Lillie Bartlett</u> Acres <u>300</u>	Size			
Location (waters) <u>Stouts Run</u>	20-16			
Well No. <u>One</u> Elev. <u>1260'</u>	Cond.			
District <u>Simpson</u> County <u>Harrison</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8			
<u>Tonis H. Stout et ux</u>	8 5/8	1010'	1010	285 sks
Address <u>Rt. 1, Box 495, Mt. Clare, W.V.</u>	7			
Mineral rights are owned by <u>Same</u>	5 1/2			
Address _____	4 1/2	4545'	4545'	500 sks
Drilling Commenced <u>6/01/78</u>	3			
Drilling Completed <u>6/06/78</u>	2			
Initial open flow <u>show</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>311 m</u> cu. ft. per day _____ bbls.				
Well open <u>4</u> hrs. before test <u>1175#</u> RP.				

Well treatment details:

Attach copy of cementing record.

<u>Benson</u> 620 bbls	10,000#	80/100	sand
	30,000#	20/40	sand
<u>Balltown</u> 510 bbls	10,000#	80/100/	sand
	30,000#	20/40	sand
<u>Speechley</u> 395 bbls	10,000#	80/100	sand
	25,000#	20/40	sand

Coal was encountered at 430; 754 Feet 5'; 4' Inches
Fresh water 130 Feet _____ Salt Water _____ Feet _____
Producing Sand Benson; Balltown, Speechley Depth 4474; 3702; 3185

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Big Lime						1572
Keener/Big Injun						1646
Gantz						1987
50'						2052
30'						2161
Gordon Stray						2245
Gordon						2289
4th						2427
5th						2502
Upper Speechly						2982
Speechley						3128
Balltown						3306
Bradford						3649
Riley						4152
Benson						4472
T.D.						4610
						Gas @4514' 8/10-3/8-Pa/H ₂ O

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
MAY 11 1978

OIL & GAS DIVISION
DEPT. OF MINES

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

DATE May 9, 1978

Surface Owner Tonis H. Stout etux
Address Rt 1, Box 495 Mt Clare WV
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator _____
Address _____

Company Petroleum Development Corporation
Address P O Box 26 Bridgeport WV 26330
Farm Lillie Bartlett Acres 300
Location (waters) Stouts Run
Well No. One Elevation 1260'
District Elk Simpson County Harrison
Quadrangle Mount Clare Brownston- 7 1/2

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 9-12-78

Deputy Director - Oil & Gas Division

INSPECTOR Paul Garrett
TO BE NOTIFIED _____
ADDRESS Clarksburg West Virginia 26301
PHONE 622-3871

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 March 29th 19 78 by Tonis H. and Frances E. Stout made to Petroleum Development Corporation and recorded on the 30th day of March 78 in Harrison County, Book 1064 Page 829

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

P. O. BOX 26

Address _____
of _____
Well Operator _____
Street _____
City or Town _____
WEST VIRGINIA 26330
State _____

BLANKET BOND

*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.

**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 Corporation
 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 <u>11 3/4</u>	<u>40'</u>	<u>40'</u>	<u>Surface</u>
9 - 5/8			
8 - 5/8	<u>900'</u>	<u>900'</u>	<u>Surface</u>
7			
5 1/2			
4 1/2		<u>4400'</u>	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40' FEET 125' - 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