PETROLEUM EXPLORATION WELLS IN GEORGIA 1979-1984

Compiled by
William M. Steele
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# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Conversion Table</th>
<th>iii</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbreviations</td>
<td>iii</td>
</tr>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Description of Contents</td>
<td>1</td>
</tr>
<tr>
<td>Applicable State Laws</td>
<td>1</td>
</tr>
<tr>
<td>Availability of Information</td>
<td>1</td>
</tr>
<tr>
<td>Camden County</td>
<td></td>
</tr>
<tr>
<td>Virginia Polytechnic Institute—Kings Bay No. 1</td>
<td>2</td>
</tr>
<tr>
<td>Amoco Production Co.—Amoco-Pennington-Union Camp No. 1</td>
<td>3</td>
</tr>
<tr>
<td>Chatham County</td>
<td></td>
</tr>
<tr>
<td>Virginia Polytechnic Institute—Savannah Airport No. 1</td>
<td>4</td>
</tr>
<tr>
<td>Colquitt County</td>
<td></td>
</tr>
<tr>
<td>Houston Oil &amp; Minerals Corp.—H. Parker No. 1</td>
<td>5</td>
</tr>
<tr>
<td>Crawford County</td>
<td></td>
</tr>
<tr>
<td>Alpha I.H.C., Inc.—K. Young No. 1</td>
<td>6</td>
</tr>
<tr>
<td>Dade County</td>
<td></td>
</tr>
<tr>
<td>Sonat Exploration Co.—Brown No. 1</td>
<td>7</td>
</tr>
<tr>
<td>Early County</td>
<td></td>
</tr>
<tr>
<td>Exxon—S. Wilson No. 1</td>
<td>8</td>
</tr>
<tr>
<td>Evans County</td>
<td></td>
</tr>
<tr>
<td>Evans County Oil Co.—J. Mangrum No. 1</td>
<td>9</td>
</tr>
<tr>
<td>Glynn County</td>
<td></td>
</tr>
<tr>
<td>William K. Davis—Scott &amp; Mead Timber Co. No. 1-E</td>
<td>10</td>
</tr>
<tr>
<td>William K. Davis—Union Camp Corp. No. 1</td>
<td>11</td>
</tr>
<tr>
<td>Heard County</td>
<td></td>
</tr>
<tr>
<td>H. Lamar Curry &amp; Associates—Williamson No. 1</td>
<td>12</td>
</tr>
<tr>
<td>Jeff Davis County</td>
<td></td>
</tr>
<tr>
<td>Chevron U.S.A., Inc.—A.P. Snipes et al. No. 1</td>
<td>13</td>
</tr>
<tr>
<td>Peach County</td>
<td></td>
</tr>
<tr>
<td>English-Georgia Exploratory Petroleum Co., Ltd.—English No. 1</td>
<td>14</td>
</tr>
<tr>
<td>Washington County</td>
<td></td>
</tr>
<tr>
<td>Geo 78, Ltd.—T.R. Taylor No. 1</td>
<td>15</td>
</tr>
<tr>
<td>Sepco—G. Giesbrecht No. 1</td>
<td>16</td>
</tr>
<tr>
<td>Sepco—Malpasse No. 1</td>
<td>17</td>
</tr>
<tr>
<td>Sepco—Triple C Farms, Inc. No. 1</td>
<td>18</td>
</tr>
<tr>
<td>Sepco—McCoy No. 1</td>
<td>19</td>
</tr>
<tr>
<td>Wilkinson County</td>
<td></td>
</tr>
<tr>
<td>J.W. Whitaker—W.I. Allen No. 1</td>
<td>20</td>
</tr>
<tr>
<td>Sepco—Belote No. 1</td>
<td>21</td>
</tr>
<tr>
<td>Sepco—Georgia Kraft No. 1</td>
<td>22</td>
</tr>
<tr>
<td>Worth County</td>
<td></td>
</tr>
<tr>
<td>J.D. Simmons, Inc.—Varner No. 1</td>
<td>23</td>
</tr>
<tr>
<td>Sources</td>
<td>24</td>
</tr>
</tbody>
</table>
TABLE OF CONTENTS cont. ......................................................... Page

FIGURE

1. Oil and gas drilling permits issued per year, 1979-1984 ............................... 1

PLATE

1. Well location map .............................................................. In pocket
FACTORS FOR CONVERTING INCH-POUND UNITS
TO INTERNATIONAL SYSTEM (SI) UNITS

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

<table>
<thead>
<tr>
<th>Multiply inch-pound</th>
<th>By</th>
<th>To obtain SI units</th>
</tr>
</thead>
<tbody>
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ABBREVIATIONS

D.F. - Derrick floor.
D.P. - Drill Permit.
G.G.S. - Georgia Geologic Survey.
G.M.D. - Georgia Militia District.
G.L. - Ground level.
K.B. - Kelly bushing.
T.D. - Total depth.
INTRODUCTION

This publication lists petroleum and related exploration wells drilled in Georgia from 1979 through 1984. Swanson and Gernazian (1979) listed oil tests drilled from 1903 to 1979 (portion of year). Readers should obtain both publications to have complete information on exploration wells in Georgia.

Eighteen permits to drill were issued from 1979 to 1984 (Figure 1). Total footage drilled was approximately 87,000 ft. Sixteen test wells were drilled in the Coastal Plain Province, one in the Piedmont Province and one in the Cumberland Plateau Section (Plate 1). Chevron U.S.A., Inc. drilled an 11,470 ft. test in Jeff Davis Co.; this is the deepest well to date in Georgia. Virginia Polytechnic Institute (V.P.I.) drilled two wells near the Georgia coast to assess geothermal energy potential.

Swanson and Gernazian (1979) listed four wells (Evans Co., D.P. No. 102; Glynn Co., D.P. No. 110; Washington Co., D.P. No. 109, and Wilkinson Co., D.P. No. 105) that were in progress at the time of that printing. These wells, which were drilled in the Coastal Plain Province (Plate 1), have been completed and are also included in this report. Total footage of the four wells is approximately 11,550 ft.

All wells listed in this report are “dry.”

DESCRIPTION OF CONTENTS

Wells in this report are located by county and by latitude and longitude. Accuracy of well locations is included with latitude-longitude figures (i.e. ±2”, ±5”). Individual well location maps are 1:24,000-scale 7.5’ USGS topographic quadrangles. Contour intervals vary; therefore, they are listed with each location map.

Total depth footage was, in most cases, obtained from Well Completion Reports. Geophysical log intervals were taken directly from the logs. Minor discrepancies exist between total depth and log depth footages on some wells.

The Drill Permit Number (D.P. No.) is the sequential number assigned to each oil and/or gas test as it is permitted. The Georgia Geologic Survey Number (G.G.S. No.) is the index number of each well that has samples incorporated in the Survey’s Cuttings Library. Users are asked to refer to one or both of these numbers when requesting information on a particular well. Other abbreviations are explained on page iii.

APPLICABLE STATE LAWS

In December of 1981, Georgia’s rules and regulations for Oil and Gas and Deep Drilling were promulgated (Chapter 391-3-13). In 1982, permit forms were updated (Form G.G.S. 1-5). The Oil and Gas and Deep Drilling Act of 1975 has not been changed since it was enacted. Copies of the Act, rules and permit forms are available from the G.G.S. office. As of April 1984, all new permits issued will require a 30-calendar-day public-notice period. These notices are published by the Georgia Environmental Protection Division (EPD) in the major Atlanta newspapers as well as the local newspaper of the affected area.

AVAILABILITY OF INFORMATION

Information on wells (i.e. geophysical logs, samples, etc.) is available to the public with the exception of the confidential tests. Well data are confidential for six months after the date of plugging with the option to extend the period to a maximum of two years after the six-month period. Requests for extension of the confidential period should be made in writing before the six-month period expires.

A limited amount of page-sized material (8½ in. x 11 in. and 8½ in. x 14 in.) can be copied at the Survey office for $0.25/page; however, there are no facilities for copying extensive geophysical logs. Interested parties should obtain outside duplication for the more extensive logs. The company or individual requesting logs will be billed directly for copying charges. Persons interested in visiting G.G.S. to review logs, samples, etc. are asked to contact the Information Geologist at least one week prior to their arrival.

Readers are asked to submit additions, corrections or any suggestions for improvement to the compiler.

Figure 1: Oil and gas drilling permits issued per year, 1979-1984.
CAMDEN COUNTY

Operator: Virginia Polytechnic Institute-Geothermal Program
Landowner: Kings Bay No. 1
Location: Approximately 4 miles N. of St. Marys (Harrietts Bluff 7.5' Quadrangle)
Lat. 30°47'40"±2"N.
Long. 81°33'23"±2"W.
Remarks: Temperature Log (0 ft. - 980 ft.), Gamma Ray Log (5 ft. - 972 ft.) and samples (0 ft. - 980 ft.). This well was drilled under contract from the U.S. Department of Energy to assess geothermal energy potential.

G.G.S. No. 3454
D.P. No. 119
Elevation: 25 ft. G.L.
Total Depth: 980 ft.
Completed: March 6, 1982

Contour Interval = 1.5 meters
Operator: Amoco Production Company  
Landowner: Amoco-Pennington-Union Camp  
Location: 5 miles N.W. of Kingsland  
Remarks: BHC Sonic (2094 ft. - 9393 ft.), Borehole Compensated Sonic Log (9200 ft. - 9934 ft.), Simultaneous Compensated Neutron - Litho Density (2094 ft. - 9961 ft.), Dual Induction - SFL (2094 ft. - 9032 ft.), Dual Induction - SFL (9200 ft. - 9964 ft.), Geopressure Analysis Log (150 ft. - 10,000 ft.), "mud" log (100 ft. - 10,000 ft.), Normalized Penetration Pore Pressure Plots (110 ft. - 10,000 ft.), Magnetic Multiple Shot Survey and samples (100 ft. - 10,000 ft.). Well data are confidential until September 25, 1986.
CHATHAM COUNTY

Operator: Virginia Polytechnic Institute-Geothermal Program
Landowner: Savannah Municipal Airport No. 1
Location: Approximately 2.6 miles W.S.W. of Port Wentworth (Port Wentworth 7.5' Quadrangle).
Lat. 32°08'13"±2"N.
Long. 81°12'12"±2"W.

Remarks: Acoustic Velocity Log (Dual Receiver) (46 ft. - 998 ft.), Caliper Log (0 ft. - 998 ft.), Caliper Log (3 Arm)/Natural Gamma (0 ft. - 1000 ft.), Electric Log (Guard) (50 ft. - 901 ft.), Electric Log (16 - 64 Normal) (46 ft. - 1001 ft.) and Neutron Porosity Log (4 ft. - 1000 ft.). This well was drilled under contract from the U.S. Department of Energy to assess geothermal energy potential.

G.G.S. No. 3452
D.P. No. 118
Elevation: 19 ft. G.L.
Total Depth: 1000 ft.
Completed: March 6, 1982

Contour Interval = 1.5 meters.
Operator: Houston Oil & Minerals Corp.
Landowner: Horace Parker No. 1
Location: Approximately 10 mi. N.W. of Moultrie (Hartsfield 7.5' Quadrangle), 500 ft. from E. line and 1280 ft. from S. line of Land Lot 179, 8th Land District.
Lat. 31°14'16"±2"N.
Long. 83°54'48"±2"W.

Remarks: Simultaneous Compensated Neutron-Formation Density (5200 ft. - 6890 ft.), Dual Induction-Laterolog Borehole Compensated Sonic Log (1170 ft. - 6887 ft.), Processed Dipmeter Log (1175 ft. -6891 ft.), Sample Log (1170 ft. - 6902 ft.), Seismic Survey (along Ga. Hwy. 133) and samples (0 ft. -6900 ft.).
CRAWFORD COUNTY

Operator: Alpha I.H.C., Inc.
Landowner: Kenneth Young No. 1
Location: 3 miles S.E. of Knoxville (Knoxville 7.5’ Quadrangle).
Lat. 32°41’47”±2”N.
Long. 83°56’46”±2”W.

Remarks: No logging was performed on this well.

G.G.S. No. 126
D.P. No. 126
Elevation: 538 ft. G.L.
Total Depth: 2,280 ft.
Completed: February 14, 1985

Contour Interval = 10 ft.
DADE COUNTY

Operator: Sonat Exploration Co.
Landowner: Brown No. 1
Location: Approximately 0.25 mi. N.N.E. of New England (Hooker 7.5' Quadrangle). 424 ft. from Southern R.R. and 368 ft. from Squirrel Town Creek. Land Lot 185, 10th Land District.
Lat. 34°54'51"N.
Long. 85°28'33"W.

G.G.S. No. 3516
D.P. No. 123
Elevation: 701 ft. G.L.
724 ft. D.F.
725 ft. K.B.

Total Depth: 8225 ft.
Completed: February 3, 1982

Remarks: Fracture Identification Log with Correlation Log (1040 ft. - 8190 ft.), Induction Laterolog (1031 ft. -8183 ft.), Simultaneous Compensated Neutron-Formation Density (1029 ft. - 8090 ft.), Four-Arm High Resolution Continuous Dipmeter (1040 ft. - 8190 ft.), Dual Induction-SFL-Sonic With Linear Correlation Log (1031 ft. - 8183 ft.), "mud" log (1033 ft. - 8222 ft.), core description and samples (1030 ft. - 8105 ft.).

Contour Interval = 20 ft.
Operator: Exxon Corporation
Landowner: S. Wilson No. 1
Location: 2.8 miles W. of Lucile (Lucile 7.5' Quadrangle).
          1309 ft. from E. line and 427 ft. from N. line of Land Lot 218, 26th Land District.
          Lat. 31°14'12''±2"N.
          Long. 84°57'52''±2"W.

G.G.S. No. 3543
D.P. No. 128
Elevation: 203 ft. G.L.
           236 ft. D.F.
           237 ft. K.B.
Total Depth: 9176 ft.
Completed: November 15, 1984

Contour Interval = 10 ft.
EVANS COUNTY

Operator: Evans County Oil Company
Landowner: J. Mangrum No. 1
Location: Approximately 5.5 mi. N.E. of Claxton (Daisy 7.5' Quadrangle).
          G.M.D. No. 1738
          Lat. 32°12′48″5″N.
          Long. 81°50′01″5″W.

Remarks: Geologic report, lithologic log, water and surface soil analyses.

G.G.S. No. 3168
D.P. No. 102
Elevation: Approximately 120 ft. G.L.
Total Depth: 1440 ft.
Completed: Well abandoned.

Contour Interval = 10 ft.
GLYNN COUNTY

Operator: William K. Davis
Landowner: Scott & Mead Timber Co. No. 1-E
Lat. 31°16'33"±2"N.
Long. 81°32'39"±2"W.


G.G.S. No. 3365
D.P. No. 110
Elevation: 20 ft. G.L.
31 ft. D.F.
32 ft. K.B.
Total Depth: 4506 ft.
Completed: January 8, 1979

Contour Interval = 5 ft.
Operator: William K. Davis
Landowner: Union Camp Corporation No. 1
Location: Approximately 9 miles N.W. of Brunswick (Brunswick West 7.5' Quadrangle).
G.M.D. No. 1499
Lat. 31°13'44"±2"N.
Long. 81°37'04"±2"W.

Contour Interval = 1.5 meters
HEARD COUNTY

Landowner: Williamson No. 1  
Location: 8 miles S.W. of Franklin (Glenn 7.5' Quadrangle).  
Land Lot 133, Land District 15.  
Lat. 33°13'29"±5"N.  
Long. 85°13'28"±5"W.  

G.G.S. No. 3521  
D.P. No. 124  
Elevation: Approximately 980 ft. G.L.  
Total Depth: 1322 ft.  
Completed: March 18, 1983

Remarks: Samples (100 ft. - 1322 ft.). No logging was performed on this well.

Contour Interval = 20 ft.
Operator: Chevron U.S.A., Inc.
Landowner: A.P. Snipes et al. No. 1
Location: 0.4 miles S.W. of Snipesville (Snipesville 7.5' Quadrangle), 1015 ft. S. and 1946.1 ft. E. of N.W. corner of Land Lot 262, 1st Land District. Lat. 31°45'33"N. Long. 82°45'24"W.
Operator: English-Georgia Exploratory Petroleum Company, Ltd.

Landowner: English No. 1

Location: Approximately 0.5 mi. S.E. of Powersville Post Office (Fort Valley East 7.5' Quadrangle).
Land Lot 243, 6th Land District.
Lat. 32°35'49"±5"N.
Long. 83°47'16"±5"W.

Remarks: Acoustic Velocity Log (524 ft. - 898 ft.), Caliper Log, Electric Log (520 ft. - 857 ft.), Natural Gamma Log (0 ft. - 913 ft.), Neutron Porosity Log (138 ft. - 916 ft.), Gamma Ray Log (6 ft. - 906 ft.), Temperature Log (100 ft. - 919 ft.) and samples (100 ft. - 930 ft.).
WASHINGTON COUNTY

Operator: Geo 78, Ltd.
Landowner: T.R. Taylor No. 1
Location: 3.26 miles, due S., from center of Davisboro (Davisboro 7.5' Quadrangle).
Lat. 32°55'51"±2"N.
Long. 82°36'36"±2"W.

G.G.S. No. 3353
D.P. No. 109
Elevation: 342 ft. G.L.
Total Depth: 4000 ft.
Completed: Well open and bonded as of publication date.


Contour Interval = 10 ft.
Operator: Southeastern Exploration and Production Corporation - Sepco
Landowner: G. Giesbrecht No. 1
Location: 2.5 miles S.W. of Davisboro (Riddleville 7.5' Quadrangle).
Lat. 32°57'17"±2"N.
Long. 82°38'17"±2"W.

Remarks: Borehole Compensated Sonic Log (1132 ft. - 2570 ft.), Fracture Identification Log (1140 ft. - 2575 ft.), "mud" log (80 ft. - 2576 ft.), Electric Log (75 ft. - 1115 ft.), Gamma/Caliper Log (0 ft. - 1115 ft.) and samples (80 ft. - 2570 ft.).
Operator: Southeastern Exploration and Production Corporation - Sepco
Landowner: Malpasse No. 1
Location: 3 miles S. of Davisboro
(Davisboro 7.5' Quadrangle).
Lat. 32°56'09"±2"N.
Long. 82°37'15"±2"W.

Remarks: Borehole Compensated Sonic Log (1162 ft. - 5600 ft.), Fracture Identification Log With Correlation Log (1170 ft. - 5601 ft.), "mud" log (50 ft. - 5641 ft.) and samples (200 ft. - 5600 ft.).

G.G.S. No. 3441
D.P. No. 112
Elevation: 390 ft. G.L.
400 ft. D.F.
401 ft. K.B.
Total Depth: 5641 ft.

Contour Interval = 10 ft.
Operator: Southeastern Exploration and Production Corporation - Sepco
Landowner: Triple C Farms, Inc. No. 1
Location: 4.5 miles S.W. of Davisboro (Riddleville 7.5' Quadrangle).
Lat. 32°56'15"±2"N.
Long. 82°40'03"±2"W.

Remarks: Samples (50 ft. - 202 ft.). No logging was performed on this well.

G.G.S. No. 3459
D.P. No. 113
Elevation: Approximately 373 ft. G.L.
Total Depth: 1109 ft.
Completed: Well open and bonded as of publication date.

Contour Interval = 10 ft.
Operator: Southeastern Exploration and Production Corporation - Sepco
Landowner: McCoy No. 1
Location: 4.5 miles S. of Davisboro (Riddleville 7.5' Quadrangle).
Lat. 32°55'08"+2"N.
Long. 82°38'08"+2"W.

G.G.S. No. 3447
D.P. No. 114
Elevation:
- 382 ft. G.L.
- 392 ft. D.F.
- 393 ft. K.B.
Total Depth: 9386 ft.
Completed: December 19, 1984

Contour Interval = 10 ft.
WILKINSON COUNTY

Operator: J.W. Whitaker
Landowner: W.L. Allen No. 1
Location: Approximately 8 miles N.E. of Jeffersonville on Ga. Highway 96 (Stuckey Boone Lake 7.5' Quadrangle).
Lat. 32°42'56''±5''N.
Long. 83°13'28''±5''W.
Remarks: Brief petrographic description of cuttings (1478 ft. - 1508 ft.), water analysis, water/soil analysis and samples (95 ft. - 1600 ft.).

G.G.S. No. 3165
D.P. No. 105
Elevation: Approximately 480 ft. G.L.
Total Depth: Approximately 1600 ft.
Completed: March 31, 1982

Contour Interval = 10 ft.
Operator: Southeastern Exploration and Production Corporation - Sepco

Landowner: Belote No. 1

Location: Approximately 6.5 miles S.W. of Irwinton (Stuckey Boone Lake 7.5' Quadrangle).
Lat. 32°43'03"±5"N.
Long. 83°11'28"±5"W.

G.G.S. No. 3514
D.P. No. 115
Elevation: Approximately 440 ft. G.L.
Total Depth: 1362 ft.
Completed: December 20, 1984


Contour Interval = 10 ft.
**Operator:** Southeastern Exploration and Production Corporation - Sepco

**Landowner:** Georgia Kraft No. 1

**Location:** 8 miles E. of Jeffersonville (Stuckey Boone Lake 7.5' Quadrangle).

Lat. 32°43'02"±5"N.
Long. 83°12'41"±5"W.

**Remarks:** Well was not drilled.

**G.G.S. No.**

**D.P. No.** 116

**Elevation:** Approximately 345 ft. G.L.

**Total Depth:** See Remarks

**Completed:** See Remarks

Contour Interval = 10 ft.
Operator: J.D. Simmons, Inc.
Landowner: Varner No. 1
Location: 4.5 miles N.W. of Norman Park
(Norman Park 7.5' Quadrangle).
330 ft. from S. line and 2648 ft.
from E. Line of Land Lot 18, Land
District 8.
Lat. 31°19'03"±2"N.
Long. 83°44'14"±2"W.
Remarks: Dual Induction - SFL (462 ft. - 4202 ft.) and samples (180 ft.- 4200 ft.).

G.G.S. No. 3536
D.P. No. 127
Elevation: 310 ft. G.L.
315 ft. K.B.
Total Depth: 4200 ft.
Completed: January 13, 1984

Contour Interval = 10 ft.
Note: County line in error. Should run along road to S. of well.
SOURCES

Clark, W.Z., and Zisa, A.C., 1976, Physiographic map of Georgia: Georgia Geologic Survey. 1:2,000,000.
Unpublished data on file at the Georgia Geologic Survey, Atlanta.
For convenience in selecting our reports from your bookshelves, they are color-keyed across the spine by subject as follows:

<table>
<thead>
<tr>
<th>Color</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Valley and Ridge mapping and structural geology</td>
</tr>
<tr>
<td>Dk. Purple</td>
<td>Piedmont and Blue Ridge mapping and structural geology</td>
</tr>
<tr>
<td>Maroon</td>
<td>Coastal Plain mapping and stratigraphy</td>
</tr>
<tr>
<td>Lt. Green</td>
<td>Paleontology</td>
</tr>
<tr>
<td>Lt. Blue</td>
<td>Coastal Zone studies</td>
</tr>
<tr>
<td>Dk. Green</td>
<td>Geochemical and geophysical studies</td>
</tr>
<tr>
<td>Dk. Blue</td>
<td>Hydrology</td>
</tr>
<tr>
<td>Olive</td>
<td>Economic geology</td>
</tr>
<tr>
<td>Yellow</td>
<td>Mining directory</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>Engineering studies</td>
</tr>
<tr>
<td>Dk. Orange</td>
<td>Bibliographies and lists of publications</td>
</tr>
<tr>
<td>Brown</td>
<td>Petroleum and natural gas</td>
</tr>
<tr>
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</tr>
<tr>
<td>Dk. Brown</td>
<td>Collections of papers</td>
</tr>
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Colors have been selected at random, and will be augmented as new subjects are published.

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