

V I R G I N I A:

BEFORE THE VIRGINIA GAS AND OIL BOARD

IN RE:

IN THE MATTER OF AN APPLICATION TO ESTABLISH THE  
BOUNDARIES FOR THE PILGRIMS KNOB GAS FIELD AND  
THE ESTABLISHMENT OF DRILLING UNITS THEREIN

ORDER

This cause came on this 22nd day of January, 1991 for hearing before the Virginia Gas and Oil Board upon the Board's motion, pursuant to the provisions of Section 45.1-361.20, to designate an area located in the vicinity of Pilgrims Knob in Buchanan County, Virginia as a pool for the development and production of conventional natural gas from the Berea Sandstone formation; and, to establish drilling units and field rules applicable to the area to be designated as the Pilgrims Knob Gas Field.

Notice of the Board's motion and the hearing to consider all proposals for the adoption of field rules, stating the time, date and place of the hearing was duly and properly given as required by the Code of Virginia and the Rules of this Board.

At the hearing on January 22 several parties presented testimony and evidence regarding proposals for the establishment of field rules. Available data and the evidence adduced at the hearing show that the Berea Sandstone formation along the five foot isopach line underlying the proposed Pilgrims Knob Gas Field has characteristics and a similar nature such as to be treated as a conventional natural gas pool or reservoir separate and distinct from any other conventional gas pool or reservoir.

IT APPEARS TO THE BOARD that the boundaries of the proposed field substantially cover an area bounded as follows:

Beginning at the northwest corner of Oakwood Coalbed Methane Field Unit E-26, said beginning bears east 5600.29 feet and south 5600.29 feet from the northwest corner of Oakwood Coalbed Methane Field Unit B-23; thence with forty eight lines of traverse.

East 2800.14 feet;	thence continuing
North 14000.72 feet;	thence continuing
East 2800.14 feet;	thence continuing
North 2800.14 feet;	thence continuing
East 2800.14 feet;	thence continuing
North 2800.14 feet;	thence continuing
East 2800.14 feet;	thence continuing
North 2800.14 feet;	thence continuing
East 2800.14 feet;	thence continuing
North 5600.29 feet;	thence continuing
East 5600.29 feet;	thence continuing
South 2800.14 feet;	thence continuing
East 8400.43 feet;	thence continuing
South 5600.29 feet;	thence continuing
East 2800.14 feet;	thence continuing
South 5600.28 feet;	thence continuing
East 2800.14 feet;	thence continuing
South 5600.29 feet;	thence continuing
East 5600.29 feet;	thence continuing
South 5600.29 feet;	thence continuing
West 2800.14 feet;	thence continuing

South 5600.29 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 5600.29 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 2800.14 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 5600.28 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 2800.14 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 5600.28 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 2800.14 feet;	thence continuing
West 2800.14 feet;	being the southeast corner of Oakwood Coalbed Methane Field Unit S-34, thence continuing
South 2800.14 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 2800.14 feet;	thence continuing
West 2800.14 feet;	being the southeast corner of Oakwood Coalbed Methane Field Unit V-31, thence continuing
South 2800.14 feet;	thence continuing
West 14000.71 feet;	thence continuing
North 8400.43 feet;	thence continuing

West 2800.14 feet;	being the southwest corner of Oakwood Coalbed Methane Field Unit S-23, thence continuing
North 16800.86 feet;	being the northwest corner of Oakwood Coalbed Methane Field Unit K-23, thence continuing
East 2800.14 feet;	thence continuing
North 5600.29 feet;	thence continuing
East 2800.14 feet;	thence continuing
North 5600.28 feet;	to the beginning

and that this field should be recognized and denominated as the Pilgrims Knob Gas Field.

IT FURTHER APPEARS TO THIS BOARD from the available data and the evidence adduced at hearing that the maximum area within the above-named Berea Sandstone formations underlying the Pilgrims Knob Gas Field, which can be efficiently and economically drained by one gas well is an area of 180 acres, which should be in the shape of a square, and that the minimum distance from the nearest outside boundary of the drilling unit, at which a well producing from the Berea Sandstone formation may be drilled, without the granting of a location exception, should be 300 feet, thereby giving due consideration to the topographical features and mining plans, and that the minimum distance between Berea Sandstone formation wells producing from conventional natural gas formations underlying the Pilgrims Knob Gas Field should be 1,700 feet.

The available data and the evidence adduced at hearing indicate that such spacing will best prevent all forms of hydrocarbon waste, avoid the drilling of unnecessary wells, and protect the correlative rights of other well operators in the Pilgrims Knob Gas Field.

IT FURTHER APPEARS TO THIS BOARD from the available data that operators in this area may encounter productive natural gas formations other than the Berea Sandstone formation. Accordingly, operators drilling a Berea Sandstone formation well pursuant to these field rules shall not be precluded from producing natural gas from this same well bore from other natural gas formations found to be productive, provided that all natural gas formations from which production is sought are specified in the operator's well work permit as potential targets for the well. Further, these field rules shall not preclude operators from producing natural gas from formations other than the Berea Sandstone formation in wells that are in units adjacent to units with wells producing from multiple natural gas formations, so long as such wells comply with the spacing requirements established in these field rules. Also, these field rules specifically shall not apply to or govern wells drilled in the Pilgrim's Knob area for the primary purpose of producing natural gas from formations other than the Berea Sandstone, and any such wells shall be governed by the provisions of the Virginia Gas and Oil Act.

IT FURTHER APPEARS TO THIS BOARD from the evidence adduced at hearing that it may be necessary for well operators to request, from time to time, location exceptions. The Virginia Gas and Oil Inspector should be authorized to consider and grant such location exceptions on a case by case basis for the placement of a well on a unit, upon production of satisfactory proof of the necessity of an exception to these field rules. Further, the Board may, upon proper application and showing, grant exceptions to the spacing requirement and allow wells to be drilled closer to one another than 1,700 feet.

IT FURTHER APPEARS TO THIS BOARD that this same area is currently the subject of a Field Rule Order enacted for the orderly development of coalbed methane and has been described and designated as the Oakwood Coalbed Gas Field. This Board has previously accepted a map of the Oakwood Coalbed Gas Field and hereby finds that the 180-acre Pilgrims Knob units shall be based upon the division of nine (9) of the coalbed methane units in the Oakwood Field into four (4) equal squares. This division should commence with the northwest corner of the Oakwood Coalbed Gas Field unit B-23 and incorporate all of the proposed Pilgrims Knob field, without gaps, to include all of the area underlain by the five foot isopach described in Cabot Oil and Gas Corporation's Exhibit 1 which is attached hereto and made a part hereof.

Based upon the evidence presented, including testimony with respect to surface topography, property lines of the lands underlain by the Pilgrims Knob Gas Field, the proposed lands of

well spacing for the pool, the depths at which production from the pool has been or is likely to be found, the nature and character of the Berea Sandstone formation from which the majority of production is expected, the maximum area which may be drained efficiently and economically by one well, and other geographical and scientific data pertaining to the pool, the Board is of the opinion that establishment of permanent drilling units is necessary to prevent waste of conventional natural gas produced from the Berea Sandstone formation, to avoid the drilling of unnecessary wells, and to protect the correlative rights of other well operators in the Pilgrim's Knob Gas Field.

NOW, THEREFORE, the Gas and Oil Board ORDERS as follows:

1. That for the drilling of conventional natural gas wells in the Pilgrims Knob area of Buchanan County, Virginia, the Pilgrims Knob Gas Field shall be bounded as follows:

Beginning at the northwest corner of Oakwood Coalbed Methane Field Unit E-26, said beginning bears east 5600.29 feet and south 5600.29 feet from the northwest corner of Oakwood Coalbed Methane Field Unit B-23; thence with forty eight lines of traverse.

East 2800.14 feet;	thence continuing
North 14000.72 feet;	thence continuing
East 2800.14 feet;	thence continuing
North 2800.14 feet;	thence continuing
East 2800.14 feet;	thence continuing
North 2800.14 feet;	thence continuing
East 2800.14 feet;	thence continuing
North 2800.14 feet;	thence continuing

East 2800.14 feet;	thence continuing
North 5600.29 feet;	thence continuing
East 5600.29 feet;	thence continuing
South 2800.14 feet;	thence continuing
East 8400.43 feet;	thence continuing
South 5600.29 feet;	thence continuing
East 2800.14 feet;	thence continuing
South 5600.28 feet;	thence continuing
East 2800.14 feet;	thence continuing
South 5600.29 feet;	thence continuing
East 5600.29 feet;	thence continuing
South 5600.29 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 5600.29 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 5600.29 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 2800.14 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 5600.28 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 2800.14 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 5600.28 feet;	thence continuing
West 2800.14 feet;	thence continuing
South 2800.14 feet;	thence continuing

West 2800.14 feet; being the southeast corner of Oakwood Coalbed Methane Field Unit S-34, thence continuing

South 2800.14 feet; thence continuing

West 2800.14 feet; thence continuing

South 2800.14 feet; thence continuing

West 2800.14 feet; being the southeast corner of Oakwood Coalbed Methane Field Unit V-31, thence continuing

South 2800.14 feet; thence continuing

West 14000.71 feet; thence continuing

North 8400.43 feet; thence continuing

West 2800.14 feet; being the southwest corner of Oakwood Coalbed Methane Field Unit S-23, thence continuing

North 16800.86 feet; being the northwest corner of Oakwood Coalbed Methane Field Unit K-23, thence continuing

East 2800.14 feet; thence continuing

North 5600.29 feet; thence continuing

East 2800.14 feet; thence continuing

North 5600.28 feet; to the beginning

The area shall be considered a separate, distinct conventional gas reservoir or pool producing from the Berea Sandstone formation and is hereby denominated the Pilgrims Knob Gas Field.

2. Drilling units are hereby established for the Pilgrims Knob Gas Field. Each such drilling unit shall be composed of an area of 180 acres, with a tolerance of 15 percent (15%) in the shape of a square. The 180 acre units shall be based upon the division of nine (9) of the coalbed methane units in the Oakwood Coalbed Gas Field into four (4) equal squares. This calculation shall commence with the northwest corner of the Oakwood Coalbed Methane unit B-23 and shall continue throughout the field without gaps within the area delineated by the five foot isopach line to the Berea Sandstone formation described in Cabot's Exhibit 1, attached hereto and made a part hereof.

3. The minimum distance from the nearest outside boundary of the drilling unit at which a conventional gas well in the Pilgrims Knob Gas Field may be drilled shall be 300 feet. If a well is proposed to be drilled closer to a unit boundary than 300 feet, the operator shall obtain in connection with its well work permit a location exception from the Virginia Gas and Oil Inspector. The Inspector is hereby authorized to consider and grant such location exceptions on a case by case basis.

4. The minimum spacing between conventional natural gas wells drilled under these field rules shall be 1,700 feet. The Virginia Gas and Oil Board may, upon proper application and showing, grant exceptions to this spacing requirement and allow wells to be drilled closer to one another than 1,700 feet.

5. This Order shall apply to all gas wells drilling into and producing from the Berea Sandstone formation. This Order

specifically does not apply to or govern wells drilled in the Pilgrim's Knob area for the primary purpose of producing natural gas from formations other than the Berea Sandstone, and any such wells shall be governed by the provisions of the Virginia Gas and Oil Act.

6. Operators drilling a Berea Sandstone formation well pursuant to these field rules shall not be precluded from producing natural gas from this same well bore from other natural gas formations found to be productive, provided that the natural gas formations from which production is sought are specified in the operator's application for a well work permit as potential targets for the well. Further, these field rules shall not preclude operators from producing natural gas from formations other than the Berea Sandstone formation in wells that are in units adjacent to units with wells producing from multiple natural gas formations, so long as such wells comply with the spacing requirements of these field rules.

7. This Order shall not affect and specifically excludes units previously established by the Board. All applications for well work permits filed after July 1, 1990 shall be subject to this Order, but the Inspector is hereby authorized to grant location exceptions for wells for which permits have already been issued that may be located closer than 300 feet to a unit boundary established by these field rules.

8. Except as otherwise provided by law, by Order of this Board, or by any emergency order issued by the Inspector, no more

than one (1) Berea Sandstone gas well shall hereafter be produced from any drilling unit in the Pilgrims Knob Gas Field.

Done this 7<sup>th</sup> day of June by a majority of the Virginia Gas and Oil Board.

Benny R. Wampler  
CHAIRMAN

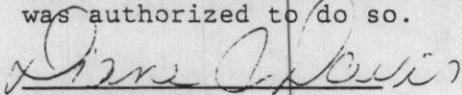
Done and performed this 7<sup>th</sup> day of June, 1991, by Order of this Board.

Byron L. Ingram  
Principal Executive to the Staff  
Virginia Gas and Oil Board

u:7624\cabot\pkfr.ord

State of Virginia  
County of Washington

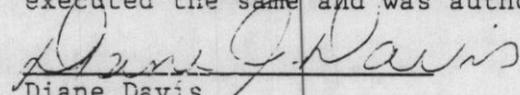
Acknowledged on this 7<sup>th</sup> day of June, 1991,  
personally before me a notary public in and for the State of Virginia  
appeared Benny Wampler, being duly sworn did depose and say that he is  
Chairman of the Virginia Gas and Oil Board, that he executed the same and  
was authorized to do so.



Diane Davis  
Notary Public  
My commission expires 9/23/92

State of Virginia  
County of Washington

Acknowledged on this 7<sup>th</sup> day of June, 1991,  
personally before me a notary public in and for the State of Virginia  
appeared Byron Thomas Fulmer, being duly sworn did depose and say that he is  
Principal Executive to the Staff of the Virginia Gas and Oil Board, that he  
executed the same and was authorized to do so.



Diane Davis  
Notary Public  
My commission expires 9/23/92



BEFORE THE VIRGINIA GAS AND OIL BOARD

CABOT OIL AND  
GAS CORPORATION  
Applicant

)  
)  
) DOCKET NO. VGOB-1218-71  
)  
)  
)

APPLICATION FOR FIELD RULES  
AND DRILLING UNITS IN BUCHANAN COUNTY

1. Introduction

1.1 The Applicant is Cabot Oil and Gas Corporation ("Cabot"), whose address and telephone number are One Valley Square, Suite 800, Charleston, West Virginia 25301, (304) 347-1600.

1.2 Cabot seeks by this application the establishment of field rules for the exploration, development and production of gas from the Berea gas formation or pool underlying an area in Buchanan County, Virginia as described below.

1.3 Cabot is an owner of the right to explore for, develop and produce gas and oil in the area that will be covered by these field rules.

2. Facts and Proposed Rules

2.1 Geological data indicates that an area in Buchanan County, Virginia, as shown in Exhibit 1 attached to this application, is wholly or substantially underlain by the Berea gas formation or pool, consisting of a common accumulation of gas, separate and distinct from and not in communication with any other common accumulation of oil and gas. The boundaries of the

field proposed by this application are as shown on the attached Exhibit 1. The name of the field proposed by this application is the Pilgrim's Knob Gas Field ("the Field").

2.2 The Field contains a total of approximately 32,253 acres. Cabot is the owner of oil and gas leases covering approximately 11,723 acres in the Field and the co-owner of oil and gas leases covering an additional 1,488 acres in the Field. Cabot therefore owns the right to explore for, develop and produce gas and oil on approximately 41% of the acreage in the Field.

2.3 There is currently active exploration for and development of gas, oil and coalbed methane gas within the area of the Field. In the interest of preventing waste of gas and oil, avoiding the drilling of unnecessary wells, protecting correlative rights, and allowing concurrent development of conflicting leasehold estates, the boundaries of the Berea pool should be established so as to cover and include the lands within the Field, proper sized and shaped drilling units should be established and other field rules should be established.

2.4 Where possible, the drilling units for the pool in this Field should be formed as square in shape, containing approximately 160 acres, more or less. "Makeup" lands within the boundaries of the Field should be used either (1) to form separate units where appropriate or (2) to be added to a regular 160 acre unit adjacent to such "makeup" lands in order to form an oversized unit.

2.5 Any well placed on a drilling unit within the Field should not be located at any point within a unit less than 660 feet from the boundary of such unit, and in any event should not be located less than 2,640 from any other existing well completed in the Field.

2.6 The field rules should recognize and make clear that a coal owner may object pursuant to Virginia Code § 45.1-361.12 only if a well is proposed to be drilled and cased through that coal owner's coal seam and if that proposed well is within 2,500 feet of an existing well that is drilled and cased through that coal owner's coal seam. The Board has the duty of enforcing and interpreting the provisions of the Virginia Gas and Oil Act. Section 45.1-361.3 states that the provisions of the Act shall be liberally construed in order (1) to foster, encourage and promote the safe and efficient exploration for and development, production, utilization and conservation of the Commonwealth's gas and oil resources and (2) to recognize and protect the rights of persons owning interests in gas or oil resources contained within a pool. Further, the Board is authorized by Va. Code § 45.1-361.15(B)(1) to issue rules, regulations or orders to prevent waste to the design spacing, or unitization of wells, pools or fields. Accordingly, the Board is authorized and charged with the responsibility to issue this field rule which would clarify the meaning of Va. Code § 45.1-361.12 and thereby foster and assist in the efficient development of the Commonwealth's gas resources.

2.7 Cabot and other gas and oil operators have begun exploring on and developing their oil and gas leasehold estates in the Field. Location exceptions should be granted for existing wells and wells for which permits have been issued but which have not yet been completed in the Field that may not comply with the spacing as established by these field rules. Additionally, the tracts of land on which such wells are or may be located should, where appropriate, be excluded from the Field.

### 3. Relief Sought

3.1 Cabot respectfully requests the Board to issue an order establishing field rules as follows:

A. Establishing the boundaries of the Berea pool of gas so as to cover and include the lands set forth in Exhibit 1, and designating such pool underlying such lands as the Pilgrim's Knob Gas Field.

B. Establishing drilling units for the Berea pool and the Pilgrim's Knob Gas Field in the manner described in this application.

C. Interpreting Va. Code § 45.1-361.12 so as to make clear that in the Pilgrim's Knob Gas Field objections made pursuant to that statute may be made only if a well is proposed to be drilled and cased through a coal owner's coal seam and if that proposed well is within 2,500 feet of an existing well that is drilled and cased through that same coal owner's coal seam.

D. Granting such location exceptions as may be necessary for existing wells and wells for which permits have been issued but which have not yet been completed in the Field and, where appropriate, excluding from this Field certain lands upon which wells are or may be located.

E. Granting such other and further relief or rules as the Board deems appropriate based on the evidence presented at the hearing on this application.

CABOT OIL AND GAS CORPORATION

By: Hugh M. Fain, III  
Of Counsel

Hugh M. Fain, III  
McGuire, Woods, Battle & Boothe  
One James Center  
Richmond, VA 23219  
(804) 775-1103

CERTIFICATION

The foregoing application to the best of my knowledge, information, and belief is true and correct. Notice pursuant to § 45.1-361.19 has been given.

Hugh M. Fain, III  
Hugh M. Fain, III  
Counsel for Cabot Oil  
Gas Corporation

FON ROGERS, II  
403 QUALITY PLACE  
300 EAST MAIN STREET  
LEXINGTON, KENTUCKY 40507  
TELEPHONE (606) 231-7565

17 January, 1991

Virginia Gas and Oil Board  
C/O Division of Gas and Oil  
230 Charwood Drive  
Abingdon, Virginia 24210

Re: Proposal for Field Rules and Drilling Units  
in Buchanan County, Virginia as Submitted by  
Cabot Oil and Gas Corporation

Gentlemen:

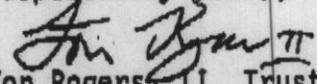
It has come to my attention that Cabot Oil and Gas Corporation has submitted a proposal for Field Rules and Drilling Units in Buchanan County, Virginia, which if adopted would establish a "grid system" for the area to be covered by the said application which area is commonly known as the "Pilgrim's Knob" area.

I believe that Cabot's proposal, or any proposal establishing a grid system, if adopted, would be highly restrictive, and further, is not necessary in view of the surface location and mineral estate problems involved in developing conventional gas reserves in Buchanan County. The availability of well spacing and other restrictions should allow for orderly development of the field without the limitations which Cabot's proposal would put on the field.

Therefore, I herewith respectfully request, in my capacity as Trustee for certain mineral properties in Buchanan County, Virginia that Cabot Oil and Gas Corporation's proposal for Field Rules and Drilling Units in Buchanan County, Virginia be denied by the Virginia Gas and Oil Board. Further, I respectfully request that the Board deny any proposal of a grid system for this area.

Thanking you for your kind attention and consideration in this matter, I am,

Respectfully yours,

  
Fon Rogers, II, Trustee  
Lon B. Rogers Bradshaw Trust

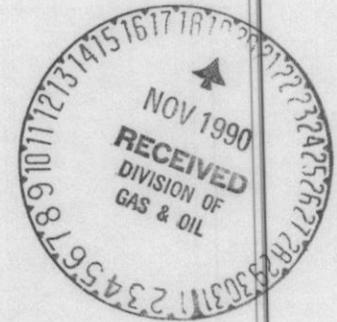
cc: Donald R. Johnson, Atty.  
Ertel L. Whitt, Jr., P.E.  
Lon B. Rogers

LAW OFFICES IN ALEXANDRIA,  
CHARLOTTESVILLE, FAIRFAX,  
NORFOLK, RICHMOND,  
TYSONS CORNER, WILLIAMSBURG  
AND WASHINGTON, D.C.

**McGUIRE WOODS  
BATTLE & BOOTHE**

ONE JAMES CENTER  
RICHMOND, VIRGINIA 23219  
TELEPHONE: (804) 644-4131  
TELECOPIER: (804) 775-1061  
TELEX: 5101010047 MWBB.RCH

November 16, 1990



VIA FACSIMILE  
AND FEDERAL EXPRESS

Mr. Byron Thomas Fulmer  
Principal Executive of the Staff  
of the Virginia Gas and Oil Board  
230 Charwood Drive  
Abingdon, Virginia

Application for Field Rules and Drilling  
Units in Buchanan County

Dear Mr. Fulmer:

Enclosed is Cabot Oil and Gas Corporation's Application for Field Rules for Drilling Units in Buchanan County. Cabot requests that the application be distributed to the members of the Virginia Gas and Oil Board and that it be considered by the Board at the December 18-19, 1990 hearing.

Thank you very much for your assistance.

Very truly yours,

*Hugh M. Fain*

Hugh M. Fain, III

HMFIII/erb

Enclosure

m:cabot13.hmf

December 17, 1990

Mr. Benny Wampler  
Department of Mines, Minerals and Energy  
c/o Division of Gas & Oil  
Abingdon, Virginia

RE: Comments on Field Rules -- Glick Gas Field  
Pilgrims Knob, Buchanan County, Virginia

Dear Mr. Wampler:

Enclosed please find our comments regarding field rules for the Glick Gas Field near Pilgrims Knob. This area has an extensive development history going back to 1948, and has been in continuous production since 1952. Much, if not most of the acreage within the field has already been dedicated to existing voluntary or statutory units which have been established under a wide variety of legislative and regulatory conditions. Some flexibility should be allowed for in and around the developed portions of the field so as to not interfere with the existing units.

#### **PROPOSED RULES**

- 1) **Formations Affected and Area of Pool:** Devonian Shale, Berea. Big Lime, Maxon and Ravencliff Formations are all productive in the area and should be all be included. The Berea is the most important individual pay zone. Its productive limit, defined as the area within the five foot net pay (density less than 2.55 g/cc) isopach contour. would determine the limits of the field.
- 2) **Unit Size:** 160 acres, with a tolerance of 25% allowed in developed part of field.
- 3) **Unit Geometry:** Squares in undeveloped part of field. Irregular geometries permitted in developed area.
- 4) **Minimum Distance between Wells:** 2,000 feet. This should allow sufficient flexibility to deal with topographic and mining constraints.

Field Rules

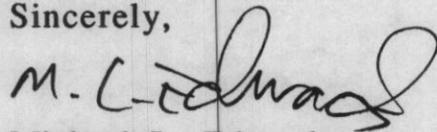
December 17, 1990

Page 2

We have included for your review a map showing the proposed field boundary and the existing developed portion of the pool. We have also included in tabular form some information regarding the existing wells and production.

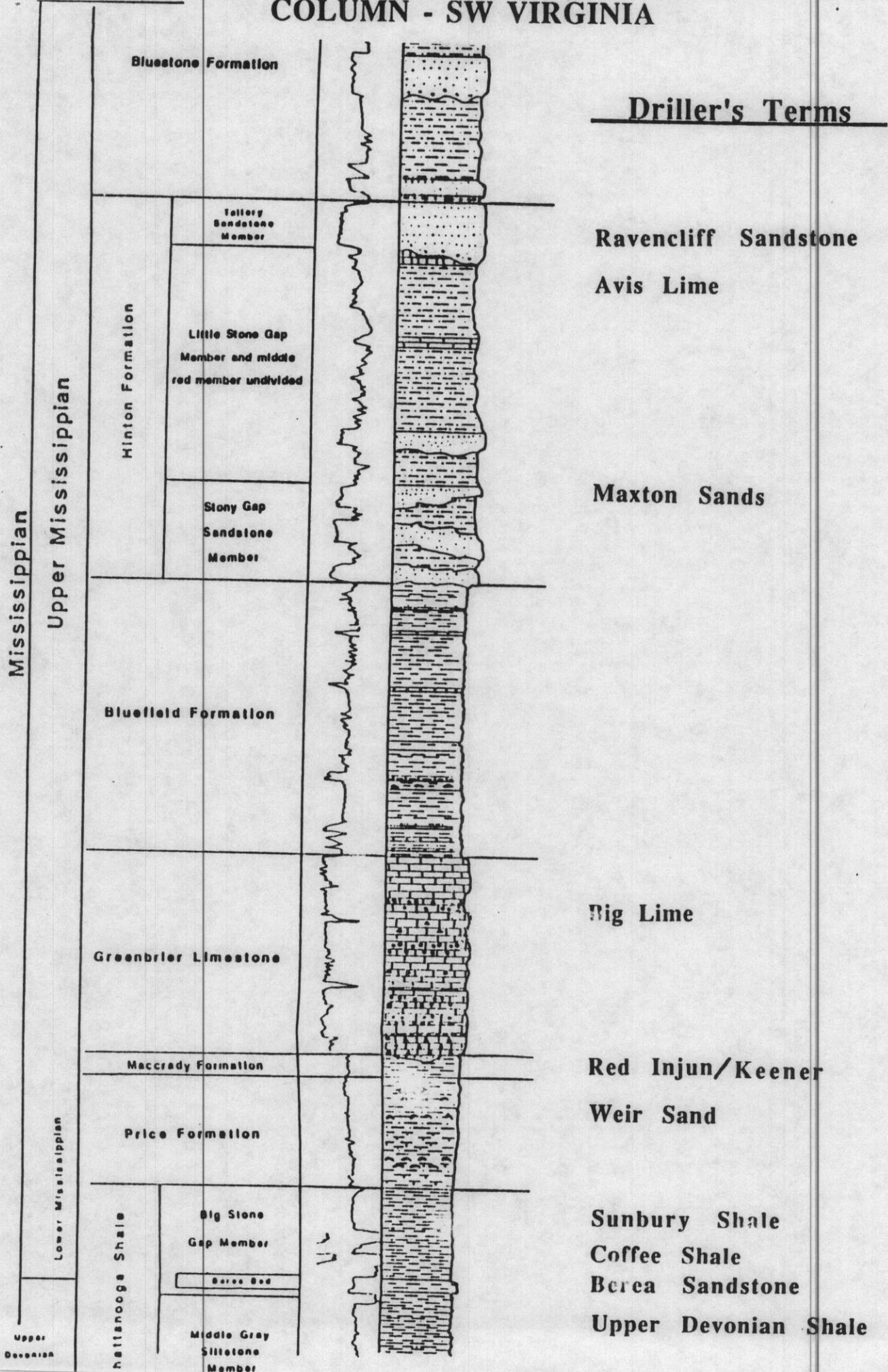
If you have any questions or need additional information, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "M. L. Edwards". The signature is written in a cursive style with a large, looping initial "M".

Michael L. Edwards

# GENERALIZED STRATIGRAPHIC COLUMN - SW VIRGINIA



## Driller's Terms

Ravencliff Sandstone

Avis Lime

Maxton Sands

Big Lime

Red Injun/Keener Weir Sand

Sunbury Shale

Coffee Shale

Berea Sandstone

Upper Devonian Shale

**TABLE OF WELLS WITHIN THE PRODUCTIVE AREA OF THE GLICK FIELD**

12/1/90

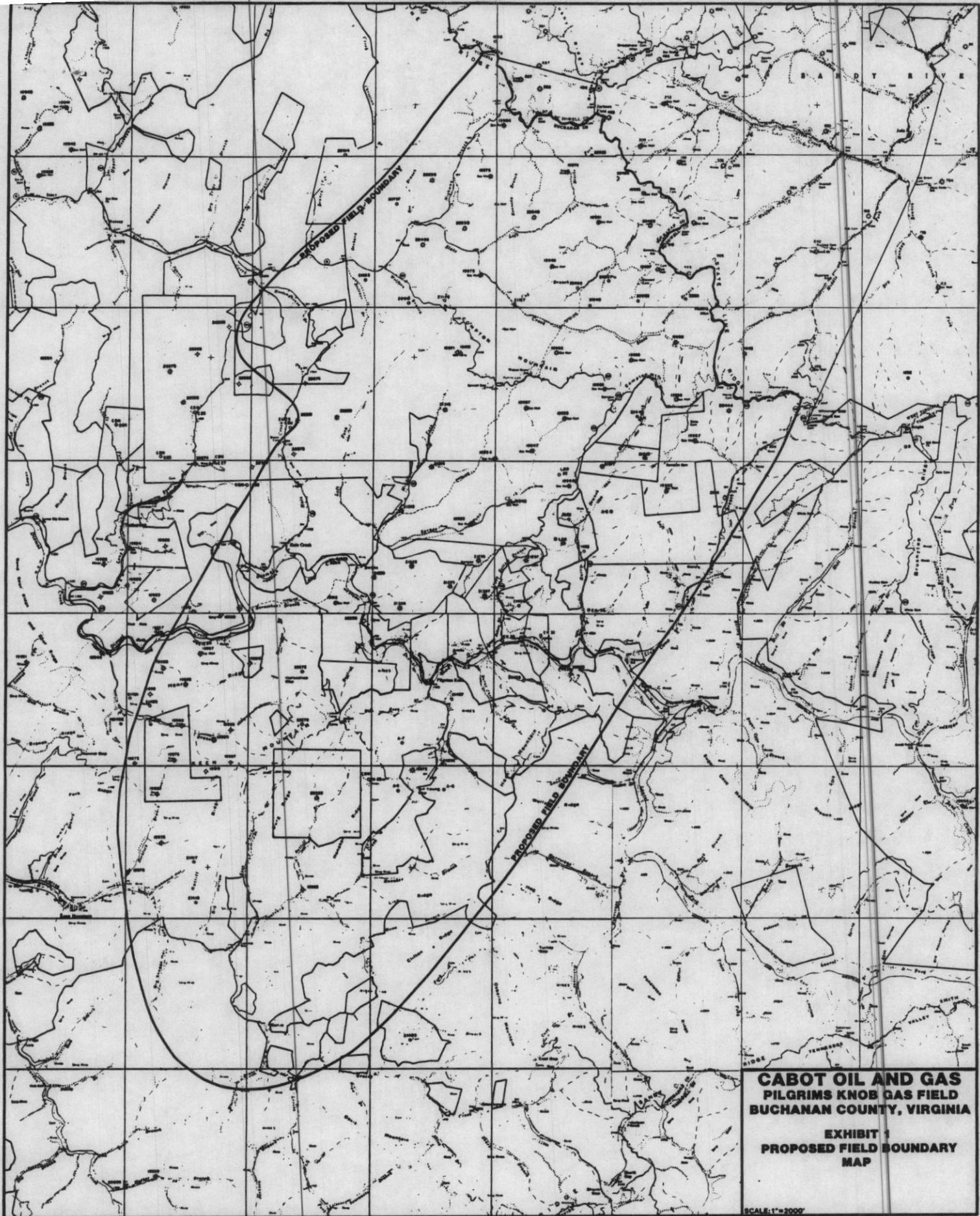
FILE NO.	COMPANY	WELL	STATUS	PRODUCING ZONES
A1BU	Pipeline Construction	Fugate #1	P & A	
A25BU	Ashland	#1527	P & A	
A26BU	Ashland	#1461	P & A	
A29BU	Ashland	#1539	P & A	
A33BU	Ashland	#1646	P & A	
A35BU	Ashland	#1671	P & A	
A36BU	Ashland	#1672	P & A	
A41BU	P & S Oil	Carlson #1	Producing	Big Lime
BU-27	Ashland	#2105	Producing	Berea
BU-32	Ashland	#2176	Producing	Berea
BU-35	Ashland	#2201	Producing	Berea
BU-39	Ashland	#2240	Producing	Berea
BU-40	Ashland	#2241	Producing	Big Lime, Berea
BU-41	Ashland	#2296	Producing	Berea
BU-43	Ashland	#2363	Producing	Berea
BU-44	Ashland	#2379	Producing	Berea
BU-45	Ashland	#2380	Producing	Berea
BU-46	Ashland	#2381	P & A	
BU-47	Ashland	#2400	P & A	
BU-48	Ashland	#2415	Producing	Berea
BU-52	Ashland	#2487	Producing	Berea
BU-53	Ashland	#2503	Producing	Berea
BU-54	Ashland	#2531	Producing	Berea
BU-55	Ashland	#2559	Producing	Berea
BU-57	Ashland	#2567	Producing	Berea
BU-60	Ashland	#2632	Producing	Big Lime
BU-61	Ashland	#2657	Producing	Berea
BU-62	Ashland	#2694	Producing	Berea
BU-67	Ashland	#2940	Producing	Berea
BU-72	Cabot	R. Jewell #1	Producing	Berea
BU-73	Ashland	#3201	Producing	Berea
BU-123	Ashland	#5054	Producing	Berea
BU-149	Ashland	Clinchfield #7	Producing	Big Lime, Berea
BU-150	Edisto Resources	IC-1	Producing	Berea
BU-151	Edisto Resources	IC-2	Producing	Big Lime
BU-155	Edisto Resources	IC-6	Shut-In	Berea
BU-169	Tipco	IC-12	P & A	
BU-180	Ashland	CCC-Kroll #1	Producing	Berea
BU-183	Ashland	Clinchfield #8	Shut-In	Maxton, Berea
BU-184	Tipco	IC-23	P & A	
BU-185	Tipco	IC-24	P & A	

TABLE OF WELLS WITHIN THE PRODUCTIVE AREA OF THE GLICK FIELD

12/1/90

FILE NO.	COMPANY	WELL	STATUS	PRODUCING ZONES
BU-209	Ashland	Rodgers #24	Producing	Berea
BU-210	Ashland	Leitz #1	Producing	Berea
BU-211	Panther Creek	A. B. Jewell #1	Producing	Berea
BU-212	Panther Creek	A. B. Jewell #2	Producing	Berea
BU-217	Ashland	L.B. Rodgers #23R	Producing	Berea
BU-219	Ashland	Ritter #16-V	Producing	Berea, Shale
BU-221	Ashland	CCC-Rodgers #1	Producing	Ravenclyffe, Big Lime, Berea
BU-225	Berea Oil & Gas	Matney #1	Shut-In	Big Lime, Berea
BU-226	Berea Oil & Gas	Jewell #2	Producing	Big Lime, Berea
BU-230	Ashland	Clinchfield #9	Producing	Berea
BU-236	Ashland	Rodgers #2	Producing	Berea
BU-239	Ashland	Ritter-Rodgers #1	Producing	Berea
BU-244	Edwards & Harding	EH-8	Producing	Berea
BU-246	Ashland	Ritter #17-V	Shut-In	Berea
BU-247	Edwards & Harding	EH-11	Producing	Berea
BU-248	Edwards & Harding	EH-9	Producing	Berea
BU-249	Edwards & Harding	EH-10	Producing	Big Lime, Berea
BU-250	Edwards & Harding	EH-15	Producing	Berea
BU-251	Edwards & Harding	EH-12	Producing	Big Lime, Berea
BU-252	Edwards & Harding	EH-13	Producing	Big Lime, Berea
BU-253	Ashland	Rodgers #28	Producing	Berea
BU-254	Ashland	Rodgers #29	Producing	Berea
BU-255	Ashland	Rodgers #30	Producing	Berea
BU-257	Edwards & Harding	EH-16	Producing	Big Lime, Berea
BU-258	Edwards & Harding	EH-17	Producing	Big Lime, Berea
BU-262	Edwards & Harding	EH-19	Producing	Berea
BU-270	Edwards & Harding	EH-34	Shut-In	Berea
BU-275	Cabot Oil & Gas	PMC A-1	Shut-In	N/A
BU-276	Edwards & Harding	EH-35	Shut-In	Berea
BU-279	Edwards & Harding	EH-28	Shut-In	Berea
BU-281	Edwards & Harding	EH-33	Shut-In	Berea
BU-291	Edwards & Harding	EH-30	Shut-In	Berea

OCTOBER PRODUCTION FOR THE GLICK FIELD					12/1/90
NAME OF COMPANY	NUMBER OF PRODUCING WELLS	NUMBER OF SHUT-IN WELLS	NUMBER OF PLUGGED WELLS	TOTAL PRODUCTION FOR OCTOBER	
Asbland	34	2	8	43,800 MCF	
Edwards & Harding	10	5	0	25,995 MCF	
Berea Oil & Gas	1	1	0	3,207 MCF	
Edisto Resources	2	1	0	1,605 MCF	
Panther Creek	2	0	0	1,408 MCF	
P & S Oil	1	0	0	175 MCF	
Cabot Oil & Gas	1	1	0	110 MCF	
Pipeline Construction	0	0	1	0 MCF	
Tipco	0	0	3	0 MCF	
<b>TOTALS</b>	<b>51</b>	<b>10</b>	<b>12</b>	<b>76,300 MCF</b>	



**CABOT OIL AND GAS  
PILGRIMS KNOB GAS FIELD  
BUCHANAN COUNTY, VIRGINIA**

**EXHIBIT 1  
PROPOSED FIELD BOUNDARY  
MAP**

SCALE: 1" = 2000'

*Virginia Gas and Oil Board*

# **Order of Stay on Issuance of Permits for Pilgrims Knob Area of Buchanan Co.**

## **BACKGROUND**

The Virginia Gas and Oil Board on November 20, 1990, upon its own motion, required a hearing to be held on December 18, 1990 to hear comments and proposals for the establishment of field rules and drilling units for the Berea Sandstone in Buchanan County.

## **AREA of INTEREST**

The Board will consider any comments or proposals for the area of the Berea Sandstone in Buchanan County. Proposals shall address the designation of the pool and all information which needs to be addressed under s 45.1-361.20. Those parties having an interest in this area are invited to participate in the development of any field rules and drilling units established by the Board.

## **STAY PLACED on CONVENTIONAL GAS PERMITS**

The Board by Order on November 20, 1990, has directed the Gas and Oil Inspector to cease issuance of conventional gas permits for the Pilgrims Knob area in the area of the Board's review for the establishment of drilling units. The stay shall remain in effect until such time that the Board dissolves its Order.

# Area of Review for Field Rules for Berea Sandstone

