



Minimum Error of Closure 1 in 200
 Source of Elevation Elev. Henry Register No. 1: 1917'

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: *[Signature]*
 Squares: N S E W

Map No.

Company THE CHESTERFIELD CORP.
 Address Postoffice Box 200, Clarksburg, W. Va.
 Farm Finnegan Lease
 Tract _____ Acres 123 Lease No. _____
 Well (Farm) No. Finnegan A-1 Serial No. _____
 Elevation (Spirit Level) 1987
 Quadrangle Sage NE
 County Upshur District Union _____
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Dec. 30, 1913 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. U-PA-1543

+ 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. 47-097



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle Sago
Permit No. Ups. 1543

39-00
3-22
(8)

Company Chesterfield Corporation
Address P O Box 2428 Clarksburg, W.Va.
Farm Register Acres 133
Location (waters) Middle Fork River
Well No. Finnegan A-1 Elev. 1967
District Union County Upshur
The surface of tract is owned in fee by Henry & Annie Register
Address Buckhannon, W.Va.
Mineral rights are owned by Maxine Bennett Agent, for
Dr. John Bennett
So. Fork Market's Address P.O. Box 444, Clarksburg, W.Va.
Drilling Commenced 1-7-74
Drilling Completed 1-13-74
Initial open flow 1.2 mm cu. ft. 10 bbls.
Final production 1,200 M cu. ft. per day _____ bbls.
Well open 3 hrs. before test. 600 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-1/2"	20	20	10SX
9 5/8			
8 5/8	541	541	150SX Circ. to surf.
7			
5 1/2			
4 1/2	3601	3601	475 SX
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Benson-BD w/250 gal acid Frac w/600 bbls wtr. 40,000# 20/40 Sd
Perfs. 3462-3489
Elizabeth-BD w/500 gal acid Frac w/700 bbls wtr. 45,000# 20/40 Sd
Perfs 1977-2016
4th & 5th Sd-BD w/500 gal acid Frac w/800 bbls wtr. 50,000 # 20/40 Sd
Perfs. 1670-1810 Fourth & Fifth 1670-86 ; 1702-1810 ?
Coal was encountered at None Feet _____ Inches
Fresh water 45'-220'-325' Feet _____ Salt Water None Feet _____
Producing Sand 4th Sand-5th Sand-Elizabeth Sd. Depth 1660-1826 1970-2024
Benson Sd. 3456-3490

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
KB - GL			11			
Sdy - Shale			11	20		
Sand			20	50		wtr. @ 45'
Sand - Sh			50	140		
Sand - Sh			140	280		wtr. @ 220'
Sand - Sh			280	340		wtr. @ 325'
Sand			340	435		
Sand - Sh			435	552		
Sand - Sh			552	755		
Shale			755	795		
Little Lime			795	820		
Shale			820	840		
Big Lime			840	1020		
Sh			1020	1030		
Injun Sd			1030	1090		*
Sdy Sh			1090	1190		
Sd - Sh - Red Rock			1190	1550		
Gordon Sd			1550	1580		*

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sd - Sh			1580	1662		
<u>4th Sd</u>			1662	1686	Gas	*
Shale			1686	1708		
<u>5th Sand</u>			1708	1826	Oil	*
Shale			1826	1970		
<u>Elizabeth Sd.</u>			1970	2004	Gas-Oil	*
Sdy - Shale			2004	3280		
3rd Riley Sd			3280	3370		
Sdy - Shale			3370	3456		
<u>Benson Sd</u>			3456	3490	Gas	*
Sdy - Shale			3490	3630		
T D			3630			

Date Jan 28, 1974

APPROVED T.H. CHESTERFIELD CORP.

By Stanley A. Reichen
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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JAN 3 1974

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE December 29, 1973

Surface Owner Henry D. and Annie Register
Middle Fork River, Buckhannon, W. Va.

Company The Chesterfield Corporation
Address P. O. Box 2428, Clarksburg, W. Va.

Mineral Owner John R. Morris, Agt, P.O. Box 442, Clarksburg
W. Va., Maxine Bennett, Agt., 19 North
Locust St., Buckhannon, W. Va.

Farm Finnegan Lease Acres 133
Location (waters) Middle Fork River

Coal Owner Maxine Bennett, Agt.,
Address 19 North Locust St., Buckhannon, W. Va.

Well No. Finnegan #A1 Elevation 1967
District Union County Upshur

Coal Operator None
Address _____

Quadrangle Sago

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 5-3-74

INSPECTOR TO BE NOTIFIED

Mr. Paul Thomas
Box 12 PH: 472-6418
Buckhannon
W. Va. 26201

Daniel R. Hode
Deputy Director - Oil & Gas Division
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 15 50 by Will E. Morris etal made to Watson Oil & Gas Company and recorded on the 21st day of April 1952, in Upshur County, Book 27 Page 496
 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, Stanley A. Peterson Pres.
(Sign Name) The Chesterfield Corporation
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

P. O. Box 2428
Clarksburg, West Va.
City or Town

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.

Ups-1543 PERMIT NUMBER
47-097

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

PROPOSED WORK ORDER TO DRILL DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack Drilling Company NAME Stanley N. Pickens
 ADDRESS Buckhannon, West Va. ADDRESS 145 Thorn Street, Clarksburg, W. Va.
 TELEPHONE 472-2161 TELEPHONE 623-5467
 ESTIMATED DEPTH OF COMPLETED WELL 3,600' ROTARY CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: 5th Sand & Benson
 TYPE OF WELL: OIL GAS 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 - 14	20'	20'	10 SX
9 - 5/8			
8 - 5/8	600'	600'	Circulate to surface
7			
5 1/2			
4 1/2	3,600'	3,600'	500 SX
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 45 FEET 90 SALT WATER FEET
 APPROXIMATE COAL DEPTHS Unknown
 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