



0018 8100

SCALE 1" = 1000'

UNAC 1:200

ROAD ELEV. 1022'

I, the undersigned, hereby certify that this is a true and correct copy of the original as filed in the office of the State Engineer, West Virginia, and that the same has been compared with the original and found to be correct.

William R. Massol
S. E. 551



APRIL 6 1979
79
R-133
47-073 0745
STATE ENGINEER

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

AND LEAD DIVISION
WATER AND WASTE DISPOSAL

1064' LAFAYETTE COUNTY PLEASANTS
BENS RUN, W.VA. 7 1/2 QUAD, ST MARYS 15' EC

OWNER ROGER L. COLVIN ACRES 86 (46 AC. TRACT)

OWNER ROGER L. COLVIN

DRILL DEPTH 2100'

BOYD C.W. RIGGS, INC. BOX 358, ST. MARYS, W. VA. 26170

BOYD C.W. RIGGS, INC. BOX 358, ST. MARYS, W. VA. 26170

MAY 8 1979

6-06-4 Shawnee (82)

Shiloh-wick (86)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB 22 1980

Oil and Gas Division
WELL RECORD 55

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Bens Run

Permit No. 47-073-0745

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

Company C.W. Riggs, Inc.
Address Box 252 St. Marys W. Va.
Farm Roger Colvin Acres 8.6
Location (waters) Cole Run
Well No. R-133 Elev. 1064'
District Lafayette County Pleasants
The surface of tract is owned in fee by Roger Colvin
Address Rt 39 St. Marys W. Va.
Mineral rights are owned by Roger Colvin
Address same
Drilling Commenced 6-8-79
Drilling Completed 6-12-79
Initial open flow _____ cu. ft. _____ bbls.
Final production 3,000 cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size | | | |
| 20-16 | | | |
| Cond. | | | |
| 13-10" | 250 | 250 | |
| 9 5/8 | | | |
| 8 5/8 | 1004' | 1004' | |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 3150' | 450 SKS. |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Attach copy of cementing record.

Perforations 2442' - 2548' ; 31 shots

Fracture Treatment:

1500 BBL. of H₂O, 100,000# sand with 122,000g SLFN₂

Coal was encountered at N/A Feet _____ Inches _____
Fresh water N/A Feet _____ Salt Water N/A Feet _____
Producing Sand Welch Stray + Berea Depth 2440 - 2460 + 2509 - 2517
Weir Berea

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|-------------|-----------|--------------|----------|-------------|-------------------|-----------|
| 1st | SALT SAND | | 1380' | 1428' | * | TOP LOG |
| 2nd | SALT SAND | | 1468' | 1494' | | |
| 3rd | SALT SAND | | 1543' | 1581' | | |
| MAXON | | | 1699' | 1757' | | |
| Big Lime | | | 1976' | 2000' | | |
| Keener | | | 2020' | 2047' | | |
| Injon | | | 2087' | 2148' | | |
| Squaw | | | 2150' | 2160' | | |
| Welch Stray | | | 2440' | 2460' | GAS | |
| Berea | | | 2509' | 2517' | OIL & GAS | |
| 50 FOOT | | | 2633' | 2689' | | |

(over)

* Indicates Electric Log tops in the remarks section.

MAR 10 1980

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|--------------|-------|--------------|----------|---------------------------|-------------------|---------|
| 30 FOOT | | | 2753' | 2782' | | |
| GORDON STRAY | | | 2821' | 2856' | | |
| GORDON | | | 2928' | 2951' | | |
| 4th SAND | | | 2997' | 3010' | | |
| | | | | BTM 4 1/2' CS 3150' | | |

Date Feb 1 19 80

APPROVED C.W. Riggs, Inc. OWNER

By John Schneider



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

APR 24 1979

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 4-23-79

Surface Owner Roger L. Colvin

Company C. W. Riggs, Inc.

Address Rt. 39, St. Marys, W. Va.

Address Box 358, St. Marys, W. Va.

Mineral Owner Roger L. Colvin

Farm Colvin Acres 86

Address Rt. 39, St. Marys, W. Va.

Location (waters) Cole Run

Coal Owner Roger L. Colvin

Well No. R-133 Elevation 1064'

Address Rt. 39, St. Marys, W. Va.

District Lafayette County Pleas.

Coal Operator None

Quadrangle Bens Run

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

for drilling. This permit shall expire if operations have not commenced by 12-24-79.

INSPECTOR
TO BE NOTIFIED Philip Tracy

Deputy Director - Oil & Gas Division

ADDRESS Middlebourne, W. Va.

PHONE 758-4573

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 2 1979 by Roger Colvin made to Frank Pethel and recorded on the 7th day of March 1979 in Pleasants County, Book 151 Page 353

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,

(Sign Name)

Well Operator

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

Address of Well Operator

Box 358

Street

St. Marys

City or Town

W. Va.

State

BLANKET BOND

47-073-0745

PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Little Swiss Drilling NAME C. W. Riggs, Inc.
 ADDRESS Buchanan, W. Va. ADDRESS Box 358, St. Marys, W. Va.
 TELEPHONE 472-6396 TELEPHONE 684-3974
 ESTIMATED DEPTH OF COMPLETED WELL: 3175' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Upper Devonian
 TYPE OF WELL: OIL _____ GAS _____ COMB. X STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

| CASING AND TUBING SIZE | USED FOR DRILLING | LIFT IN WELL | CEMENT LIFT UP OR SACKS CUBIC FT |
|------------------------|-------------------|--------------|----------------------------------|
| 20 - 16 | | | |
| 13 - 10 | | | |
| 9 - 5/8 | | | |
| 8 - 5/8 250' | | 250' | cement top-bottom |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 3175' | 200 sks. |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 110 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 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