Fracture: □
Redrill: □
New Location: □
Drill Deeper: □
Abandonment: □


Minimum accuracy, one part in 2500.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. 9999-559

Denotes location of well on United States Topographic Maps, scale 1 to 125,000 latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

41-051

JAN 10 1975
**STATE OF WEST VIRGINIA**
**DEPARTMENT OF MINES**

**Oil and Gas Division**

**WELL RECORD**

Quadrangle: Majorsville
Permit No.: MARS-559

<table>
<thead>
<tr>
<th>Company</th>
<th>Kingsway Drilling Company, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Box 1588, Ardmore, Okla., 73401</td>
</tr>
<tr>
<td>Farm</td>
<td>H.S.V. Merinar</td>
</tr>
<tr>
<td>Acres</td>
<td>176</td>
</tr>
<tr>
<td>Location (waters)</td>
<td>Big Wheeling Creek</td>
</tr>
<tr>
<td>Well No.</td>
<td>1</td>
</tr>
<tr>
<td>District</td>
<td>Sand Hill</td>
</tr>
</tbody>
</table>

The surface of tract is owned in fee by:

- H.S.V. Merinar Rt. 3, Elm Grove
- Address: Wheeling, W. Va. 26003

Mineral rights are owned by:

- Address: Same

Drilling Commenced: 2-6-75
Drilling Completed: 2-9-75

Initial open flow: cu. ft. bbls.
Final production: cu. ft. per day bbls.
Well open hours before test: RP.

**Well treatment details:**

Plugged

Plugging record has been filed.

Coal was encountered at 260' Feet |
| Inches |
| Salt Water |
| Producing Sand |
| Depth |

**Formation** | **Color** | **Hard or Soft** | **Top Feet** | **Bottom Feet** | **Oil, Gas or Water** | **Remarks**
---|---|---|---|---|---|---
Shale & Lm. Shells. | Surface | 260 |
Coal | | 270 |
Shale, gry, sdv. | | 270 |
Lime, lt. tann | | 300 |
Sand, shy, grn. glau. | | 330 |
Lime, shy, lt. gry. | | 375 |
Shale, sdv, gry, lime shells | | 390 |
Sand, med. to ese. | | 550 |
Shale, red, green | | 610 |
Shale, dk gry, sdy & sand streaks | | 660 |
Shale, sdv, gry, some sd strks. | | 790 |
Shale, blk, to lt. gry. | | 850 |
Sand, m to ese, cln to shy. | | 880 |
Shale sdv. to Shy. sd. gry. | | 920 |
Sand, m to ese. wth | | 1060 |

Cement fill up Cu. ft. (Skis.)

- 20-16
- Cond.
- 13-10'
- 9 5/8
- 8 5/8
- 7
- 315
- 315
- 5 1/2
- 4 1/2
- 3
- 2

Cemented to surface

Attach copy of cementing record.

*Indicates Electric Log tops in the remarks section.

APR 18 1977
<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top Feet</th>
<th>Bottom Feet</th>
<th>Oil, Gas or Water</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>No samples</td>
<td></td>
<td></td>
<td>1120</td>
<td>1150</td>
<td></td>
<td>Some water @ 1110</td>
</tr>
<tr>
<td>Sand, Salt, fine to med. gr</td>
<td></td>
<td></td>
<td>1150</td>
<td>1230</td>
<td></td>
<td>Sh. gas-1160. Small sh. gas 1190</td>
</tr>
<tr>
<td>Shale, Dk, gry, sdy.</td>
<td></td>
<td></td>
<td>1230</td>
<td>1250</td>
<td></td>
<td>Increase in water @ 1190</td>
</tr>
<tr>
<td>Sand, Salt, cs, dse, glau.</td>
<td></td>
<td></td>
<td>1250</td>
<td>1295</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lime, Big, Buff, Dense</td>
<td></td>
<td></td>
<td>1295</td>
<td>1300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand &amp; Shale, Dk, gry, dirty</td>
<td></td>
<td></td>
<td>1300</td>
<td>1320</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand, Injun.</td>
<td></td>
<td></td>
<td>1320</td>
<td>1550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td></td>
<td></td>
<td>1550</td>
<td>1865</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand, Berea.</td>
<td></td>
<td></td>
<td>1865</td>
<td>1873</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td></td>
<td></td>
<td>1873</td>
<td>1950 TD</td>
<td></td>
<td>Dry Hole</td>
</tr>
</tbody>
</table>

Well plugged 2-10-75
Plugging notice on record
Received by Dept Mines 3-3-75

- ART. in 1.6 mi W of Salt and well

Date: 3-21-77

APPROVED Kingery Drilling Company, Inc. Owner

By: [Signature] (Name)
TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.  

DATE: February 3, 1975  

KINGERY DRILLING COMPANY INC.  

Company  

P.O. Box 1588, Ardmore, Oklahoma 73401  

Address  

and Virginia  

Hubert S Mariner  

Farm  

Acres: 176.26  

Huntington Creek  

Location (waters):  

Well No: 1  

Elevation: 779  

Ground  

District: Sand Hill  

County: Marshall  

Quadrangle: Majorsville  

INQUISITOR TO BE NOTIFIED: Richard Morris  

Grantsville, W. Va.  PH: 354-7259  

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  
August 22, 1973 by Hubert S. and Virginia C. Mariner to D.C. Malcolm Inc.  
and recorded on the 10th day of December  
1974, in Marshall County, Book 446 Page 161  

X  NEW WELL  

DRILL DEEPER  

REDRILL  

FRACURE 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  

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  

Very truly yours,  

W. K. Gentry  
Attorney  

KINGERY DRILLING COMPANY INC.  

P.O. Box 1588  

Ardmore, Oklahoma 73401  

Address  

City or Town  

State  

MARS-559 PERMIT NUMBER  

47 051
PROPOSED WORK ORDER TO __X__ DRILL __DEEPEN__ FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known) Armstrong Drilling Inc.
NAME: J.H. McClure
ADDRESS: P.O. Box 545, Wooster, Ohio
TELEPHONE: 216-262-4101
TELEPHONE: 242-7539

ESTIMATED DEPTH OF COMPLETED WELL: 2000'
ROTARY: X CABLE TOOLS.

PROPOSED GEOLOGICAL FORMATION: Berea

TYPE OF WELL: OIL __X__ GAS __COMB. ___ STORAGE ___ DISPOSAL ___ RECYCLING ___ WATER FLOOD ___ OTHER ___

TENTATIVE CASING PROGRAM:

<table>
<thead>
<tr>
<th>CASING AND TUBING SIZE</th>
<th>USED FOR DRILLING</th>
<th>LIFT IN WELL</th>
<th>CEMENT FILL UP OR SACKS - CUBIC FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - 16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 - 10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9   - 5/8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8   - 5/8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>300'</td>
<td>To Surface</td>
</tr>
<tr>
<td>5 1/2</td>
<td></td>
<td>300'</td>
<td></td>
</tr>
<tr>
<td>4 1/2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>2000'</td>
<td>Perf. Top</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>2000'</td>
<td>Perf. Bottom</td>
</tr>
<tr>
<td>Liners</td>
<td></td>
<td></td>
<td>Perf. Top</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Perf. Bottom</td>
</tr>
</tbody>
</table>

APPROXIMATE FRESH WATER DEPTHS 25-50 FEET
APPROXIMATE SALT WATER DEPTHS 250'

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 CONSOLIDATION 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 CONSOLIDATION 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.

[Signatures]