

| | |
|---|--|
| New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input type="checkbox"/> | Minimum Error of Closure 1 IN. 200 Source of Elevation USGS B.M. Rt 21 ELEV. 668 "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." |
|---|--|

| | | |
|-----------------------------|--------------------------------------|------------------|
| Company | D. C. MALCOLM INC. | |
| Address | 1006 Commerce Sq. CHARLESTON, W. Va. | |
| Farm | H. F. BAILEY HRS. | |
| Tract | Acres 208 | Lease No. _____ |
| Well (Farm) No. | 2 | Serial No. _____ |
| Elevation (Spirit Level) | 936.0 | |
| Quadrangle | KENNA | C |
| County | JACKSON | District RIPLEY |
| Engineer | N. L. Sefton | |
| Engineer's Registration No. | 1832 | |
| File No. | Drawing No. _____ | |
| Date | 6-27-77 | Scale 1" = 1000' |

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

WELL LOCATION MAP
 FILE NO. JAC-1424

+ 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.

47-035 NOV 7 1977



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Kenna
Permit No. Jac 1424

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

| | | | | |
|---|-------------------|------------------|--------------|-------------------------------|
| Company <u>D. C. Malcolm, Inc.</u> | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>1006 Commerce Sq., Charleston, W. Va.</u> | | | | |
| Farm <u>H. F. Bailey Hrs</u> Acres <u>208</u> | | | | |
| Location (waters) <u>Faber Branch</u> | Size | | | |
| Well No. <u>2</u> Elev. <u>948 KB</u> | 20-16 | | | |
| District <u>Ripley</u> County <u>Jackson</u> | Cond. | | | |
| The surface of tract is owned in fee by _____ | 13-10" | 151 | 151 | Surface |
| <u>Mary Hinzman</u> | 9 5/8 | | | |
| Address <u>Charleston, W. Va.</u> | 8 5/8 | 2232 | 2262 | 260 SX |
| Mineral rights are owned by <u>H. F. Bailey Hrs.</u> | 7 | | | |
| Address _____ | 5 1/2 | | | |
| Drilling Commenced <u>11-3-77</u> | 4 1/2 | 5215 | 5215 | 75 SX |
| Drilling Completed <u>11-10-77</u> | 3 | | | |
| Initial open flow <u>80,000</u> cu. ft. _____ bbls. | <u>1 1/2</u> | 5215 | 5215 | |
| Final production <u>300,000</u> cu. ft. per day _____ bbls. | Liners Used | | | |
| Well open <u>4</u> hrs. before test <u>400</u> RP. | | | | |

Well treatment details: Attach copy of cementing record.
500 Gals 28% acid, 609 bbls water, 60000# sand

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Depth 5219-5240

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|-----------------|-------|--------------|----------|-------------|-------------------|-----------|
| Sand | | | 0 | 130 | | |
| Shale | | | 130 | 220 | | |
| Sand & Shale | | | 220 | 1625 | | |
| Sand | | | 1625 | 2002 | | |
| Lime (Big Lime) | | | 2002 | 2072 | | |
| Sand (Injun) | | | 2072 | 2160 | | |
| Sand & Shale | | | 2160 | 2546 | | |
| Shale | | | 2546 | 2560 | 15 Mcf | |
| Sand (Berea) | | | 2560 | 2572 | | |
| Shale | | | 2572 | 5116 | | |
| Lime | | | 5116 | 5219 | | |
| Sand (Oriskany) | | | 5219 | 5240 | 80 Mcf | |
| Lime | | | 5240 | 5257 | T.D. | |

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED

OCT 25 1977

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 29, 1977

Surface Owner Mary Hinzman

Company D. C. Malcolm, Inc.

Address Falcon Drive, Charleston, W. Va.

Address 1006 Commerce Sq., Charleston, W. Va.

Mineral Owner H. F. Bailey Hrs.

Farm H. F. Bailey Hrs. Acres 208

Address _____

Location (waters) Faber Branch

Coal Owner No coal

Well No. 2 Elevation 936

Address _____

District Ripley County Jackson

Coal Operator _____

Quadrangle Kenna

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 2-27-78.

INSPECTOR TO BE NOTIFIED Richard Morris

ADDRESS Grantsville, W. Va.

PHONE 354-7259


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 _____ 19____ by H. F. Bailey made to United Fuel Gas Co. and recorded on the _____ day of _____ 19____, in Jackson County, Book 34 Page 251

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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

Very truly yours,
(Sign Name) 
Well Operator

1006 Commerce Square

Street
Charleston

City or Town
West Virginia

State

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address of Well Operator

*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.

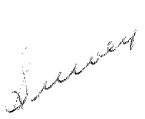
BLANKET BOND

JAC-1424 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-035

Signed by _____



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 _____ NAME D. C. Malcolm
 ADDRESS _____ ADDRESS 1006 Commerce Sq., Charleston, W. Va.
 TELEPHONE _____ TELEPHONE 343-9593
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 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 - 10 | 150' | 150' | Surface |
| 9 - 5/8 | | | |
| 8 - 5/8 | 2200' | 2200' | 75 SX |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 5240' | 5240' | 60 SX |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS _____ 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