

Minimum Error of Closure 1 IN 200
 Source of Elevation USGS. BOX 1075 ROAD INTERSECTION EAST OF LOC.

New Location
 Drill Deeper
 Abandonment

7127176

"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 & L EQUIP INC.
 Address 607. LAWTON, RD. MARETTA OH. 45750
 Farm RAYMOND CITY C. & T. CO.
 Tract _____ Acres 1118 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1068' 0
 Quadrangle WINFIELD SE
 County PUTNAM District POCA
 Engineer N. Z. Left POCATALICO
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 5-24-75 Scale 1" = 1320'

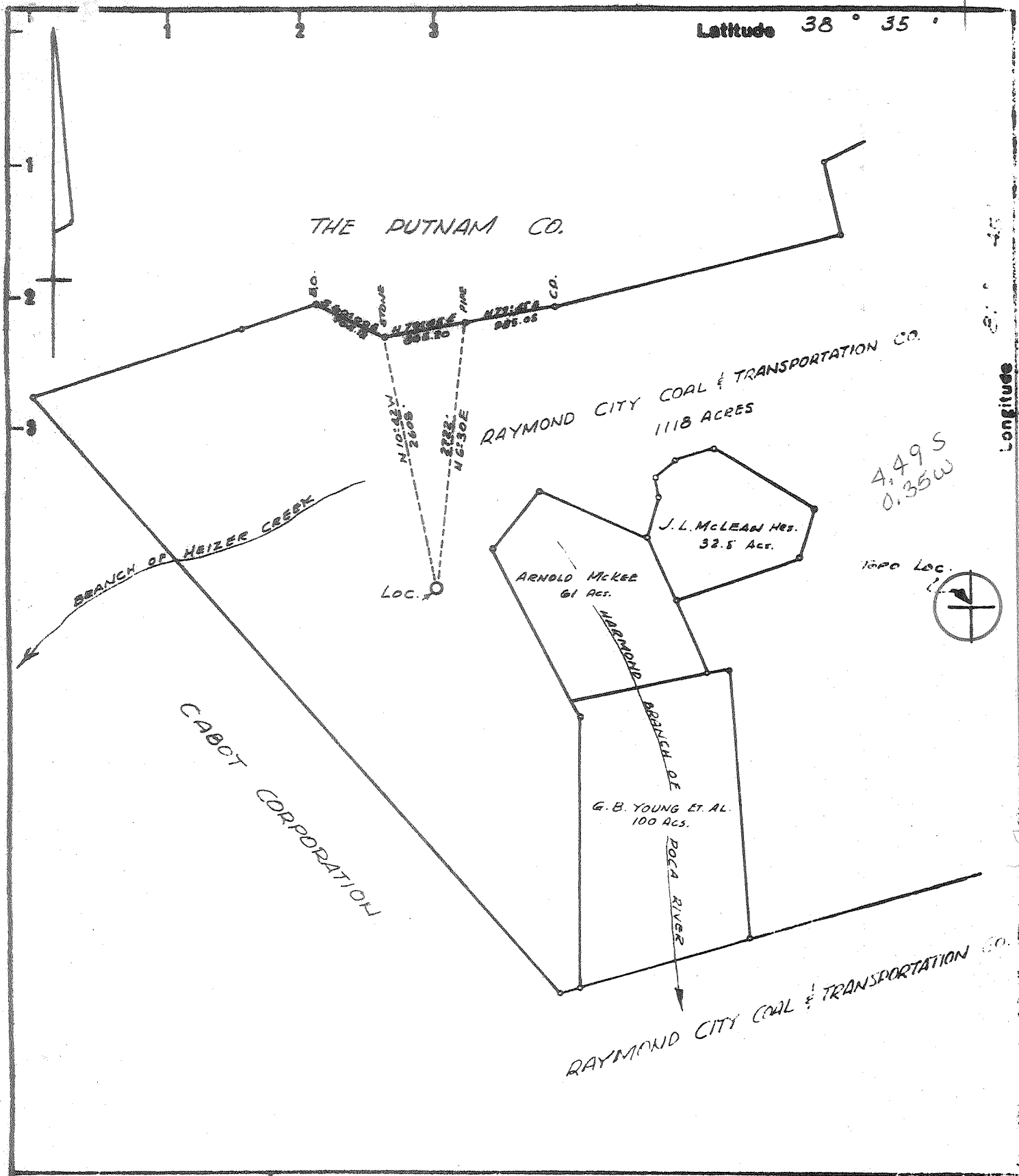
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. PUT-806-P

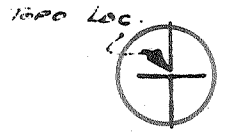
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

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

47-079



4,49 S
0.35 W



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S. ELEV. 1075' ROAD INTERSECTION EAST OF LOC.
 "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 RAYMOND CITY C. & T. CO.
 Tract _____ Acres 1118 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1068' 0
 Quadrangle WINFIELD SE
 County PUTNAM District POCA
 Engineer N. Z. Lefton POCATAHICO
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 5-24-75 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. PUT-806

⊕ 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.

Deep Well 47-079 (Oriskany)
Rocky Fork (312) JUL 21 1975



RECEIVED

FEB 27 1976

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD 10

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Winfield
Permit No. Put 806

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

Company D. C. Malcolm, Inc.
Address 1006 Commerce Sq., Charleston, W. Va.
Farm Raymond City Acres 1118
Location (waters) Heizer Creek
Well No. 1 Elev. 1068 Gr
District Poca County Putnam
The surface of tract is owned in fee by _____

Address _____
Mineral rights are owned by Helen Hogue, et al
Address _____

Drilling Commenced 8-14-75
Drilling Completed 8-30-75
Initial open flow 254,000/1 cu. ft. ---- bbls.
Final production _____ 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" | 469 | 469 | To surface |
| 9 5/8 | | | |
| 8 5/8 | 2405 | 2405 | To surface 400 sx |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 5172 | 5172 | 75 Sx |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Attach copy of cementing record.

Frac Oriskany 5084-5090

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|-----------------|-------|--------------|----------|-------------|-------------------|-----------|
| Sand & Shale | | | 0 | 1076 | | |
| Sand | | | 1076 | 1222 | | |
| Sand & Shale | | | 1222 | 1484 | | |
| Sand | | | 1484 | 1560 | | |
| Sand & Shale | | | 1560 | 1614 | | |
| Sand | | | 1614 | 1856 | | |
| Shale | | | 1856 | 1900 | | |
| Sand | | | 1900 | 1956 | | |
| Lime | | | 1956 | 2124 | | |
| Shale | | | 2124 | 2132 | | |
| Sand (Injun) | | | 2132 | 2178 | | |
| Shale | | | 2178 | 2590 | | |
| Sand (Berea) | | | 2590 | 2616 | | |
| Shale | | | 2616 | 4990 | | |
| Lime (Onondaga) | | | 4990 | 5076 | | |

(over)

* Indicates Electric Log tops in the remarks section.

MAR 15 1976

| Formation | Color | Hard or Soft | Top Feet / 0 | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------|----------|--------------|--------------|--------------|--------------------------------------|-----------|
| Sand Lime | Oriskany | | 5076 5106 | 5106 5190 | 254 Mcf @ 5080 - 5090 Total Depth | |

Date February 17, 19 76

APPROVED D. C. Malcolm, Inc. Owner

By D. C. Malcolm
(Title) President

DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

JUN 30 1975

OIL AND GAS WELL PERMIT APPLICATION
OIL & GAS DIVISION
DEPT. OF MINESTO THE DEPARTMENT OF MINES,
Charleston, W. Va.DATE June 10, 1975

Surface Owner _____

Company D. C. Malcolm, Inc.

Address _____

Address 1006 Commerce Sq., Charleston, W. Va.Mineral Owner Helen M. Hogue, et alFarm Raymond City Acres 1118

Address _____

Location (waters) Heizer Creek

Coal Owner _____

Well No. 1 Elevation 1068

Address _____

District Poca County PutnamCoal Operator Not OperatedQuadrangle Winfield

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 11-3-75.Robert T. Bell
Deputy Director - Oil & Gas DivisionINSPECTOR TO BE NOTIFIED Martin Nichols
PH: 548-6993 ADDRESS Cleander
W.Va.

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 Helen M. Hogue, et al made to Godfrey L. Cabot, Inc and recorded on the _____ day of _____ 19____, in Kanawha County, Book 70 Page 29_____
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:West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Very truly yours,

(Sign Name) _____

Well Operator

Address
of
Well Operator1006 Commerce Square

Street

Charleston,

City or Town

West Virginia

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.

BLANKET BOND

Put-80647-079

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 _____ NAME D. C. Malcolm
 ADDRESS _____ ADDRESS 1006 Commerce Sq., Charleston, W.
 TELEPHONE _____ TELEPHONE 343-9593
 ESTIMATED DEPTH OF COMPLETED WELL: 5200 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS X 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 | 40° | 40° | Surface |
| 9 - 5/8 | | | |
| 8 - 5/8 | 2000° | 2000° | Surface |
| 7 | | | |
| 5 ½ | | | |
| 4 ½ | 5200 | 5200 | 100 SX |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 100 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