

Minimum Error of Closure 1' in 200'
 Source of Elevation LEVELS FROM CONSOLIDATED GAS SUPPLY CORP. WELL 9390 EN. 587'
 "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."

- New Location
- Drill Deeper
- Abandonment

2/23/77
 MAP SHEET 43-W 538 W-67 FB 1804 PG 28 30

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W.VA.
 Farm E. SLAUGHTER, J.D. KERWOOD
 Tract _____ Acres 40[±] Lease No. 50126
 Well (Farm) No. _____ Serial No. 12314 EC
 Elevation (Spirit Level) 570' RAVENSWOOD 15'
 Quadrangle COTTAGEVILLE, W.VA. NE
 County JACKSON District UNION
 Engineer Darrell M. Radcliffe
 Engineer's Registration No. LLS-74
 File No. _____ Drawing No. _____
 Date 11-29-76 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. **JAC-1387-P**

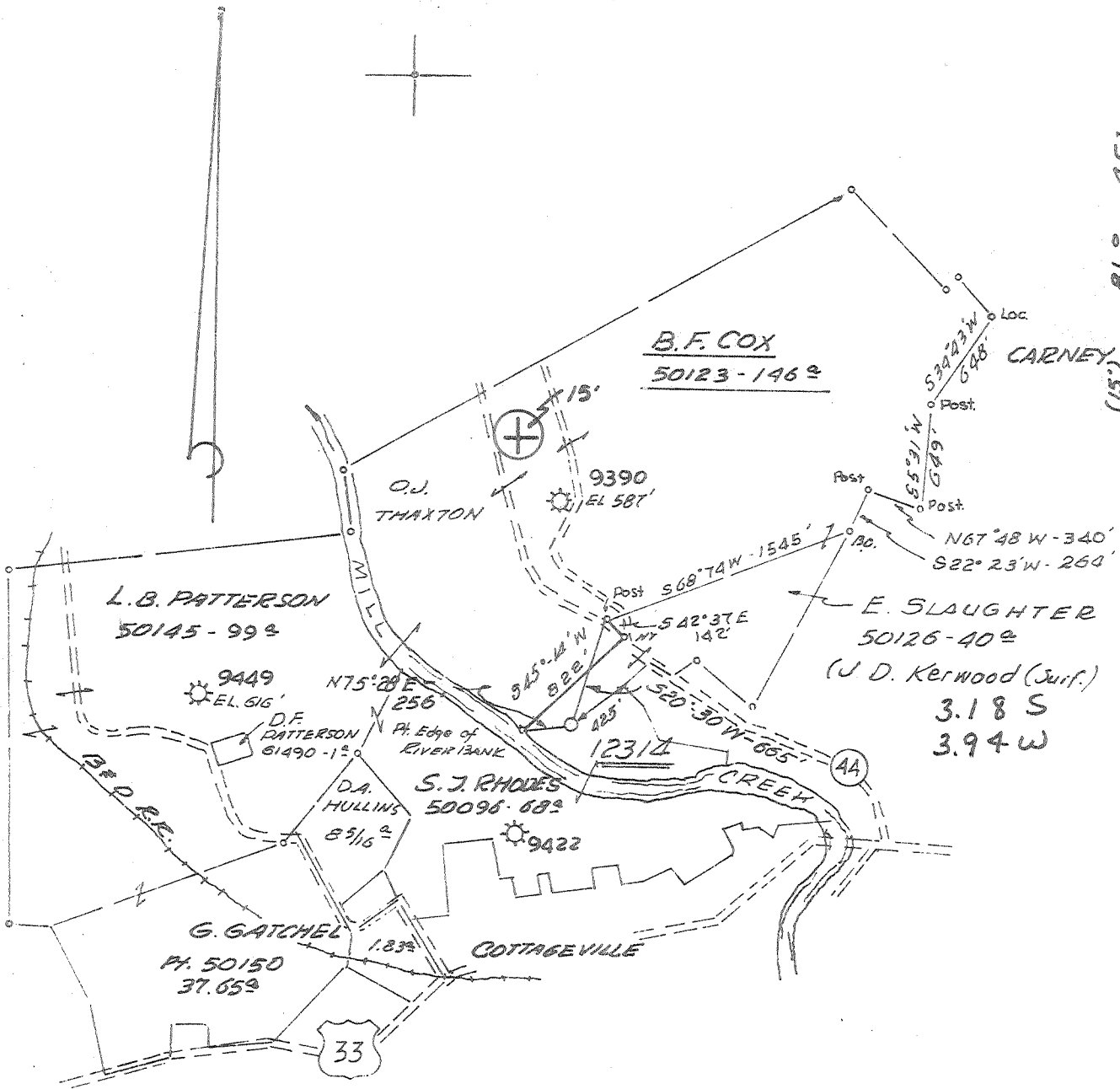
— Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing.

47*035 MAR 8 1977

(Salina)

Deep Well

772



Minimum Error of Closure *1' in 200'*
 Source of Elevation *LEVELS FROM CONSOLIDATED GAS SUPPLY CORP. WELL 9390 EN. 587'*
 "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."

New Location
 Drill Hooper
 Abandonment

MAP SHEET 43-W 538 W-67 FB 1804 PG 28 30

Company: *CONSOLIDATED GAS SUPPLY CORP.*
 Address: *CLARKSBURG, W.VA.*
 Farm: *E. SLAUGHTER, J.D. KERWOOD*
 Tract: _____ Acres: *40.9* Lease No. *50126*
 Well (Farm) No. _____ Serial No. *12314*
 Elevation (Spirit Level) *570' RAVENSWOOD 15'*
 Quadrangle: *COTTAGEVILLE, W.VA.*
 County: *JACKSON* District: *UNION*
 Engineer: *Darrell M. Radcliffe*
 Engineer's Registration No. *LLS-74*
 File No. _____ Drawing No. _____
 Date: *11-29-76* Scale: *1" = 1000'*
 G.S.H. _____

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

EC WELL LOCATION MAP
 FILE NO. *JAC-1387-P*

Denotes location of well on United State Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.
Deep Well (Salina)
 — Denotes one inch spaces on border line of original tracing.
47-035 DEC 20 1976



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FEB 22 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS
DEPARTMENT

Oil and Gas Division

WELL RECORD

Quadrangle RAVENSWOOD

Permit No. JAC-1387-P

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

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm E. Slaughter Acres 40
Location (waters) Mill Creek
Well No. 12314 Elev. 570'
District Union County Jackson
The surface of tract is owned in fee by D.J. and Mildred Kerwood
Address Cottageville, W. Va.
Mineral rights are owned by _____
Address _____
Drilling Commenced 12-20-76
Drilling Completed 2-1-77
Initial open flow Show cu. ft. _____ bbls.
Final production Dry 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 <u>20x16"</u> | 20' | 20' | To surface |
| Cond. <u>13-100'</u> | 199' | 199' | To surface |
| <u>9 5/8</u> | 1633' | 1633' | 155 bags |
| <u>8 5/8</u> | | | |
| <u>7</u> | 2336' | 2336' | 110 bags |
| <u>5 1/2</u> | | | |
| <u>4 1/2</u> | | | |
| <u>3</u> | | | |
| <u>2</u> | | | |
| Liners Used | | | |

Well treatment details:
Not treated

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches _____
Fresh water None Feet _____ Salt Water None Feet _____
Producing Sand Dry in all formations Depth _____

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|---------------------------------------|-------|--------------|----------|-------------|-------------------|-------------------|
| Clay | | | 0 | 29 | | No water recorded |
| Gray Sand | | | 29 | 195 | | |
| Sand & Shale | | | 195 | 410 | | |
| Shale & Red Rock | | | 410 | 1475 | | |
| Lime | | | 1475 | 1585 | | |
| Injun | | | 1585 | 1600 | | |
| Sand & Shale | | | 1600 | 2050 | | |
| Berea | | | 2050 | 2070 | | |
| Shale | | | 2070 | 4150 | | |
| Onondaga Limestone | | | 4150 | 4600 | | |
| <u>+ Orisk, Held, & U. Salina</u> | | | | | | No gas recorded |
| Total Depth | | | | 4600' | | |
| <u>in Salina</u> | | | | | | |

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, W. Va.

* Indicates Electric Log tops in the remarks section.

(over)



RECEIVED

DEC 10 1976

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 December 9, 1976

Surface Owner J. D. Kerwood

Company Consolidated Gas Supply Corporation

Address Cottageville, W. Va.

Address Clarksburg, W. Va.

Mineral Owner M. C. Christine

Farm E. Slaughter Acres 40

Address 502 3rd Ave., Box 828, Seattle, WA

Location (waters) Mill Creek

Coal Owner None

Well No. 12314 Elevation 570'

Address _____

District Union County Jackson

Coal Operator None

Quadrangle RAVENSWOOD

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 4-10-77.

INSPECTOR
TO BE NOTIFIED Dick Morris

ADDRESS Grantsville, W. Va. Box 372

PHONE 351-7259

Robert H. Todd
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 7-3-37 19 by E. Slaughter made to Consolidated Gas Supply and recorded on the 17th day of September 1937 in Jackson County, Book 40 Page 365

XXXX 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, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours,
(Sign Name) A. B. Payne Manager of Prod.
Well Operator
Consolidated Gas Supply Corporation
Street
445 West Main Street
City or Town
Clarksburg, W. Va.
State

I have read and understand the requirements of the reclamation act and will carry them out.

*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.

JAC-1387

PERMIT NUMBER

47-035

BLANKET BOND

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

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Ray Resources _____ NAME R. E. Bayne _____
 ADDRESS Charleston, W. Va. _____ ADDRESS Bridgeport, W. Va. _____
 TELEPHONE - - _____ TELEPHONE 623-3611 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 5100' _____ ROTARY XXXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Newburg _____
 TYPE OF WELL: OIL _____ GAS XXX 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 XXX | 20' | 20' | To surface |
| 13 XXX | 140' | 140' | To surface |
| 9 - 5/8 | 1550' | 1550' | To surface |
| 8 - 5/8 | | | |
| 7 Possibly | 2300' | 2300' | 85 bags if run |
| 5 1/2 | | | |
| 4 1/2 | 5100' | 5100' | 200 bags |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 65' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS None _____
 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