

Minimum Error of Closure 1' in 200"
 Source of Elevation B.M. U.S.G.S. Monument, Intersection
W.Va. Rt. 58/2 and 26/30 EI-2306, on U.S.G.S. Map Newburg W.Va.-1960

"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

Map Sheet 1033 C-5

FB. 1931 Pg. 2-10 & 34-35

Company Consolidated Gas Supply Corporation
 Address Clarksburg, W. Va
 Farm ALLEN COX (Allen L & Renee E. Cox, Surf.)
 Tract _____ Acres 106 Lease No. 91116
 Well (Farm) No. _____ Serial No. 12555
 Elevation (Spirit Level) 2160' NE
 Quadrangle Newburg, W.Va 7 1/2 - 1960, Thornton
 County Preston District Kingwood
 Engineer Michael S Jemel
 Engineer's Registration No. 5525
 File No. _____ Drawing No. _____
 Date 8-25-78 Scale 1"=1000'

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

WELL LOCATION MAP
 FILE NO. PRES-194

+ 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 -077 OCT 17 1978



MAR 5 1979
OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Newburg

Permit No. PRES-191
47-077

| Company | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|--|--------------------|------------------|--------------|-------------------------------|
| <u>Consolidated Gas Supply Corp.</u> | | | | |
| <u>445 W. Main St., Clarksburg, WV</u> | | | | |
| <u>Farm Allen Cox Acres 106</u> | | | | |
| <u>Location (waters) Squires Creek</u> | Size | | | |
| <u>Well No. 12555 Elev. 2160'</u> | 20-16 | | | |
| <u>District Kingwood County Preston</u> | Cond. | | | |
| <u>The surface of tract is owned in fee by</u> | <u>18 11 3/4"</u> | <u>152'</u> | <u>152'</u> | <u>To surface</u> |
| <u>Allen Cox et ux</u> | <u>9 5/8</u> | | | |
| <u>Address 12620 Yardham Place, Woodbridge, Va.</u> | <u>8 5/8</u> | <u>912'</u> | <u>912'</u> | <u>To surface</u> |
| <u>Mineral rights are owned by Paul C. Schmidl et al</u> | <u>7</u> | | | |
| <u>Address Rt. 2, Box 111A, Waldorf, Md.</u> | <u>6 1/2</u> | | | |
| <u>Drilling Commenced October 16, 1978</u> | <u>4 1/2</u> | <u>4179'</u> | <u>4179'</u> | <u>370 Sks.</u> |
| <u>Drilling Completed October 23, 1978</u> | <u>3</u> | | | |
| <u>Initial open flow 18M cu. ft. bbls.</u> | <u>2</u> | | | |
| <u>Final production 117M cu. ft. per day bbls.</u> | <u>Liners Used</u> | | | |
| <u>Well open 1 1/2 hrs. before test 990# RP.</u> | | | | |

Attach copy of cementing record.

Well fractured in Riley with 100,000# sand, 1000 bbls. of 3% Hcl & 1000 gals. 15% Hcl.
Perforations: 4032 - 4044' with 1" holes.

Coal was encountered at 134' 633' Feet 1 1/8" 2 1/2" Inches
Fresh water 50', 540' & 950' Feet Salt Water None Feet
Producing Sand Riley Depth 4032' - 4044'

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|-----------------|-------|--------------|----------|-------------|-------------------|----------------|
| Clay | | | 0 | 10 | | |
| Sand & Shale | | | 10 | 134 | Water | 50' Damp |
| Coal | | | 134 | 138 | | |
| Sand & Shale | | | 138 | 633 | Water | 540' Damp |
| Coal | | | 633 | 635 | | |
| Shale | | | 635 | 960 | Water | 950' 1" Stream |
| Little Lime | | | 960 | 975 | | |
| Shale | | | 975 | 1010 | | |
| Big Lime | | | 1010 | 1130 | | |
| Red Rock | | | 1130 | 1155 | | |
| Injun | | | 1155 | 1260 | | |
| Weir | | | 1335 | 1440 | | |
| Gantz | | | 1550 | 1585 | | |
| Gantz-A | | | 1630 | 1685 | | |
| Shale | | | 1700 | 2000 | | |
| 5th | | | 2000 | 2190 | | |
| Bayard | | | 2220 | 2370 | | |
| Elizabeth | | | 2430 | 2460 | Gas | 1480' 60M |
| Warren | | | 2580 | 2590 | Gas | 3661' 8M |
| Upper Speechley | | | 2880 | 2920 | Gas | 3849' 8M |
| Speechley | | | 2950 | 3000 | Gas | 4006' 2.5M |
| Bradford | | | 3500 | 3540 | Gas | 4069' 56M |
| Riley | | | 3770 | 4030 | Gas | 4315' 18M |

(over)

* Indicates Electric Log tops in the remarks section.

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|--------------------------------------|-------|--------------|----------|-------------|-------------------|---------|
| Benson | | | 4100 | 4115 | | |
| Total Depth | | | | 4315 | | |
| KBM 11' above G. L. | | | | | | |
| Gamma Ray Tops from K. B. Elevations | | | | | | |
| Little Lime | | | 962 | 975 | | |
| Big Lime | | | 1007 | 1087 | | |
| Big Injun | | | 1095 | 1218 | | |
| Weir | | | 1269 | 1410 | | |
| Gantz | | | 1504 | 1534 | | |
| Gantz-A | | | 1557 | 1698 | | |
| 50' | | | 1656 | 1759 | | |
| Gordon Stray | | | 1824 | - - | | |
| Gordon | | | - - | 1912 | | |
| 4th | | | 1971 | 2012 | | |
| 5th | | | 2030 | 2144 | | |
| Lower 5th | | | 2147 | 2187 | | |
| Bayard | | | 2258 | 2291 | | |
| Lower Bayard | | | 2303 | 2386 | | |
| Elizabeth | | | 2431 | 2518 | | |
| Warren | | | 2572 | 2607 | | |
| Speechley | | | 2937 | 3042 | | |
| Balltown | | | 3073 | 3290 | | |
| Bradford | | | 3482 | 3586 | | |
| Riley | | | 3809 | 4046 | | |
| Benson | | | 4105 | 4111 | | |
| Total Depth | | | | 4317 | | |

Date March 2, 1979

19 79

APPROVED Consolidated Gas Supply Corp. (A) 1979

BY *[Signature]* Manager of Prod.



RECEIVED

SEP 18 1978

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.

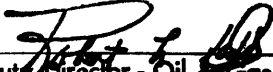
DATE September 15, 1978

Surface Owner Allen Cox et ux Company Consolidated Gas Supply Corp.
 Address 12620 Yardham Place, Woodbridge VA 22191 Address Clarksburg, WV 26301
 Mineral Owner Paul C. Schmidl 3/4 and Farm Allen Cox Acres 106
Olaf Hawkins et al 1/4 Location (waters) Squires Creek
 Coal Owner Kray Coal Company, Inc. Well No. 12555 Elevation _____
 Address Crellin, MD District Kingwood County Preston
 Coal Operator None Quadrangle Newburg
 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 1-19-79.

INSPECTOR
 TO BE NOTIFIED William Blosser
 ADDRESS P. O. Box 1028 - Colfax, WV 26566
 PHONE 363-9105


 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 June 22 1976 by Allen C. Cox made to Consolidated Gas Supply and recorded on the 29th day of June 1976, in Preston County, Book 462 Page 195

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 same 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

Very truly yours,
 (Sign Name) 
 Well Operator
Consolidated Gas Supply Corp.
 Street
445 W. Main St.
 City or Town
Clarksburg, West Virginia 26301
 State

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

