



Minimum Spacing of Closure 1' IN 200'
 Location B.M. ROAD FORK ELEV. 1789' GLADESVILLE 7 1/2' TOPO.
 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 Decent
 Abandonment

MAP SHEET 1032 B-5 F.B. 1898 PG. 1-3

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W.V.
 Name M. MILLER (P.L.W. COAL INC.)
 Tract Acres 106 Lease No. 128826
 Well (Farm) No. Serial No. 12478
 Elevation (Spind Level) 1875' NC
 Quadrangle GLADESVILLE 7 1/2' Thornton 15'
 County MONONGALIA District CLINTON
 Engineer *Danell M. Kadchiffe*
 Engineer's Registration No. LLS 74
 File No. Drawing No.
 Date 2-7-78 Scale 1"=1,000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. **MON-367**
 Denotes location of well on United States Topographic Maps, scale 1 to 25,000 latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing.
47-061 MAR 6 1978

Deep Well 7765' On Monongahela SOUTH BURNS CHAPEL 3/3 7626 3/3



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 20 1978

Oil and Gas Division
OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 13

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

Quadrangle Gladesville

Permit No. MON-367
47-061

Company <u>Consolidated Gas Supply Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>445 W. Main St., Clarksburg, WV</u>	Size			
Farm <u>M. Mioler</u> Acres <u>106</u>	20-16			
Location (waters) <u>Laurel Run</u>	Cond.			
Well No. <u>12478</u> Elev. <u>1875'</u>	13-10"			
District <u>Clinton</u> County <u>Monongalia</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8			
<u>P. L. W. Coal, Inc.</u>	7			
Address <u>Box 2072, Westover, WV</u>	5 1/2			
Mineral rights are owned by <u>Marvin Miller</u>	4 1/2			
Address <u>Rt. 1, Box 89, Independence, WV</u>	3			
Drilling Commenced <u>March 2, 1978</u>	2			
Drilling Completed <u>March 21, 1978</u>	Liners Used			
Initial open flow <u>NT</u> cu. ft. _____ bbls.				
Final production <u>2316M</u> cu. ft. per day _____ bbls.				
Well open _____ hrs. before test <u>11 day 3200#</u> RP.				

Well treatment details:

Attach copy of cementing record.

Well fractured in Chert with 120,000# sand, 1200 bbls. of water 5% HCL, 2000 gals. 20% HCL & 8000 gals. 31.45% HCL. Perforations: 7496-7506' with 10 holes, 7512-7521' with 9 holes & 7544-7557' with 13 holes.

Coal was encountered at 72' Feet 48" Inches
Fresh water 67' 197' Feet _____ Salt Water None Feet _____
Producing Sand Chert Depth See perforations.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	72	Water	67' Damp
Coal			72	76		
Sand			76	560	Water	197' Wet
Red Rock			560	590		
Sand			590	646		
Lime			646	657		
Red Rock			657	676		
Lime & Sand			676	686		
Red Rock			686	706		
Shale & Sand			706	960		
Red Rock			960	979		
Sand & Shale			979	1519		
Red Rock			1519	1534		
Shale & Sand			1534	1690		
Red Rock			1690	1820		
Shale			1820	1868		
Red Rock			1868	1880		
Sand & Shale			1880	3580		
Shale			3580	7088		
Lime			7088	7108		
Shale			7108	7465		
Lime			7465	7484		
Chert			7484	7675		
Sand <u>Oriskany</u>			7675	7814	T.D.	

KBM 15' above G.L.

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 13	Bottom Feet	Oil, Gas or Water	* Remarks
Gamma Ray Log Tops						
Tully			7099	7183		
Onondaga			7480	7493		
Oriskany			7682	7756		
Helderberg			7756	- -		
Total Depth				7799		
Consolidated Gas Supply Corp. 445 West Main Street Clarksburg, West Virginia						

Date November 15, 1978

APPROVED Consolidated Gas Supply Corp. Owner

By J. C. Payne Manager of Prod.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB 21 1978

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 20, 1978

Surface Owner P. L. W. Coal, Inc.
Address Box 2072, Westover, W. Va.
Mineral Owner Marvin Miller
Address Route #1, Box 89, Independence, WV
Coal Owner P.L. W. Coal Co., Inc.
Address Box 2072, Westover, W. Va.
Coal Operator No Operations
Address _____

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm M. Mioler Acres 100
Location (waters) Laurel Run
Well No. 12478 Elevation 1875'
District Clinton County Monongalia
Quadrangle GLADESVILLE

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 INSPECTOR

for drilling. This permit shall expire NO BE NOTIFIED William J. Blosser
operations have not commenced by 6-22-78 ADDRESS Colfax, W. Va.

Robert H. ...
Deputy Director - Oil & Gas Division

PHONE 363-9105

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 3-22-68 19 by Marvin Miller made to Phillips Petroleum Co. and recorded on the 23rd day of March 19 68 in Monongalia County, Book 671 Page 643

XXX 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 objections 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:

Very truly yours,
(Sign Name) Robert H. ... Manager of Prod.
Well Operator

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

Address
of
Well Operator

Consolidated Gas Supply Corporation
Street
1445 West Main Street
City or Town
Clarksburg, W. Va.
State

See Rec Plan

*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

MON-367

PERMIT NUMBER

47-061

Survey

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

MINISTRY OF ENERGY

PROPOSED WORK ORDER TO XXX DRILL DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) Ray Brothers RESPONSIBLE AGENT: R. E. Bayne
 ADDRESS Charleston, W. Va. ADDRESS Bridgeport, W. Va.
 TELEPHONE --- TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 7765' ROTARY XXX CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL --- GAS XX COMB. --- STORAGE --- DISPOSAL ---
 RECYCLING --- WATER FLOOD --- OTHER ---
 TENTATIVE CASING PROGRAM: NTAG

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT (LBS) UP OR SACKS - CUBIC FEET
20 - 16			
13 - 10			
9 - 5/8	30'	30'	To surface
8 - 5/8	1150'	1150'	To surface
7			
5 1/2			
4 1/2	7765'	7765'	125 Bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 65' FEET SALT WATER --- FEET
 APPROXIMATE COAL DEPTHS Unknown
 IS COAL BEING MINED IN THE AREA? Stripped 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 --- mine 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