



Minimum Error of Closure 1' in 200'
 Source of Elevation B.M. - U.S.G.S. No. 119 J.E.A. Step At Indian Fork Church
 Elevation - 1299'
 "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 1 of the rules and regulations of the State of West Virginia."

New Location Revised
 Drill Hoop
 Abandonment

Unit
 Pooled Area - 226 ac.

Map Sheet 43A S-24, E-26

FB, 1755 Pgs. 27-29
 FB, 1744 Pgs. 30-40

Company Consolidated Gas Supply Corporation
 Address 445 W. Main St., Clarksburg, W. Va.
 Farm Clara B. Burner V. Winslow (surf)
 Tract Acres 79 Lease No. 70215
 Well (Farm) No. 11957 State No. 11957
 Elevation (Spirit Level) 1612' C
 Quadrangle Century 7 1/2' / Philippi 15'
 County Barbour Township Union
 Engineer Jackson M. Jarvis
 Engineer's No. 2397
 File No. 6-
 Date September 23, 1975 Scale 1" = 40P = 660'

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

WELL LOCATION MAP
 FILE NO. **BAR-740**

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.

47-001 DEC 1 1975



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Century

Permit No. BAR-740

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

Company Consolidated Gas Supply Corp.
Address Clarksburg, WV
Farm Clara B. Burner Acres 79
Location (waters) Indian Fork
Well No. 11957 Elev. 1612
District Union County Barbour
The surface of tract is owned in fee by _____

Address _____
Mineral rights are owned by _____
Address _____

Drilling Commenced 11-20-75
Drilling Completed 11-29-75
Initial open flow 815 cu. ft. _____ bbls.
Final production 792M cu. ft. per day _____ bbls.
Well open 14 days hrs. before test 1550# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>20 1/2</u>	20'	20'	To surface
Cond. <u>11"</u>	215'	215'	To surface
<u>9 5/8</u>			
<u>8 5/8</u>	2000'	2000'	To surface
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	4556'	4556'	200 bags
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Benson with 600 bbls. water, 40,000# sand, 500 gal. acid.
Perforations: (4466-4470) w/16 holes.

Fractured Riley with 40,000# sand, 600 bbls. water, 700 gal. acid.
Perforations: (4119-4123) w/16 holes 792 MCF

Coal was encountered at 15' 610' 880' Feet 24" 60" 60" Inches
Fresh water 200' 540' Feet _____ Salt Water 1950' Feet _____
Producing Sand Benson & Riley Depth See perfs.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	15		
Coal			15	17		
Sand & Shale			17	610	Water 200'	Fresh
Coal			610	615	Water 340'	Fresh
Sand & Shale			615	880		
Coal			880	885		
Sand & Shale			885	1585		
Little Lime			1585	1610		
Big Lime			1610	1730		
Big Injun			1730	1830		
Sand & Shale			1830	2000	Water 1950	Salty
5th Sand			2000	2035		
4th Sand			2370	2400		
Sand & Shale			2400	4070		
Riley			4070	4262	Gas 4119-4123	
Sand & Shale			4262	4462		
Benson			4462	4473	Gas 4466-4470	
Total Depth				<u>4625'</u>		

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, West Virginia 26301

KB Measurement 11' above GL

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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NOV 18 1975

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 10, 1975

Surface Owner Valentine Winslow
Address Route #1, Volga, W. Va.

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.

Mineral Owner Clara B. Burner
Address Route #1, Philippi, W. Va.

Farm Clara B. Burner Acres 79

Coal Owner Bethlehem Steel Co.
Address Bridgeport, W. Va.

Location (waters) Indian Fork

Well No. 11957 Elevation 1612'

Coal Operator Barbour Coal Co.
Address Bridgeport, W. Va.

District Union County Barbour

Quadrangle CENTURY

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 _____

[Signature]

Deputy Director - Oil & Gas Division

Paul Thomas

~~INSURE TO BE NOTIFIED~~
PH: 406-7739 Augusta, 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 11-10-69 19 by Clara B. Burner made to Consolidated Gas Sply. and recorded on the 16th day of December 1969, in Barbour County, Book 67 Page 9

~~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 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.

Very truly yours,
(Sign Name) *[Signature]* Manager of Prod.
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 979
Morgantown, W. Va. 26505
AC 304-296-4461

Address of
Well Operator

Consolidated Gas Supply Corporation
Street
1145 West Main Street
City or Town
Clarksburg, W. Va.
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

BAR-740

47-001

PERMIT NUMBER

[Signature]

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

PROPOSED WORK ORDER TO XXXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME S. W. Jack Drilling Co. NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.
 TELEPHONE --- TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 1575' ROTARY xxx CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 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.
XXXX 16	20'	20'	To surface
XXXX 11"	200'	200'	To surface
9 - 5/8			
8 - 5/8	2000'	2000'	To surface if coal is encountered
7			
5 1/2			
4 1/2	1575'	1575'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 95' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS Unknown _____
 IS COAL BEING MINED IN THE AREA? Stripping BY WHOM? Barbour Coal Co.

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