



Minimum Error of Closure 1' IN 200'

Source of Elevation B.M. - ROAD FORKS - VALLEY POINT 7 1/2'

TOPO MAP - ELEVATION 1945'

"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

UNIT POOLED AREA 527±

MAP SHEET 934 D-1

FB.1625 Pgs.20-23

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W. VA.
 Farm HUBERT L. HUGGINS
 Tract _____ Acres 134 Lease No. 68665
 Well (Farm) No. _____ Serial No. 11537
 Elevation (Spirit Level) 2036'
 Quadrangle BRUCETON MILLS (S.W.)
 County PRESTON District VALLEY
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date SEPTEMBER 12, 1972 Scale 1"=1320'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Pres-169

- + 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.



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DEC 18 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS
DEPT. OF MINES

Oil and Gas Division
WELL RECORD

Quadrangle BRIDGETON

Permit No. PRFG-169

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

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm Hubert L. Huggins Acres 134
Location (waters) Cheat River
Well No. 11537 Elev. 2036'
District Valley County Preston
The surface of tract is owned in fee by _____

Address _____
Mineral rights are owned by _____
Address _____

Drilling Commenced 11-22-72
Drilling Completed 2-24-73
Initial open flow 71 M cu. ft. _____ bbls.
Final production 818 M cu. ft. per day _____ bbls.
Well open 1 1/2 days hrs. before test 1225# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>20-16"</u>	95	95	To surface
Cond. <u>13-10" 11"</u>	1003	1003	To surface
9 5/8			
8 5/8			
7	9419	9419	600 bags
5 1/2			
4 1/2	11,355	11,355	290 bags
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Well fractured 3-3-73 with 1000 bbl water, 18,000# sand, 1500# walnut Hulls

Perforations: 10980' to 11,072' with 38 holes

Coal was encountered at 175' Feet 108 Inches
Fresh water 56' Feet Salt Water _____ Feet
Producing Sand Tuscarora Depth 10980-11072'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Coal			175	181 1/2	Water	56' Fresh
3rd Salt Sand			610	685		
Little Lime			910	925		
Big Lime			975	1180		
Weir			1216	1380		
Gantz			1472	1501	Gas	1182' Show
50' Sand			1525	1615		
5th Sand			2070	2098		
Speechley			2851	2876		
Balltown			3001	3171		
Tully			7518	7617		
Onondaga			8088	8107		
Chert - Huntersville			8107	8260		
ORISKANY			8260	8370		
Helderberg			8370	8960		
Salina			8960	9960		
McKenzie			9998	10286		
Keefer			10297	10316		
<u>TUSCARORA</u>			10923	11293	Gas	10980' to 11072'
Total Depth				11383'		

P.I. Cards refs @
10980-10998
11036-11042
11066-11072

THIS RECORD TAKEN FROM ELECTRIC LOGGING BY SCHLUMBERGER

Jack G. Guley

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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SEP 28 1972

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 26, 1972

Surface Owner Hubert L. Huggins

Company Consolidated Gas Supply Corporation

Address Masontown, W. Va.

Address Clarksburg, W. Va.

Mineral Owner Same

Farm Hubert L. Huggins Acres 134

Address _____

Location (waters) Cheat River

Coal Owner Preston County Coal & Coke

Well No. 11537 Elevation 2036'

Address Cascade, W. Va.

District Valley County Preston

Coal Operator None on this lease

Quadrangle BRUCETON

Address _____

Mr. Wm.
INSPECTOR TO BE NOTIFIED Blauer
Box 1857
Clarksburg, W. Va. PH: Saintmont
24566 363-9105

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 1-28-73.

Robert L. Fode
Deputy Director of 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 7-15-68 19 by Hubert Huggins made to Consolidated Gas Supply Corporation and recorded on the 10th day of August 19 68 in Preston County, Book 401 Page 445
XX 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.

Very truly yours,
(Sign Name) W. E. Payne Manager of Prod.
Well Operator

Address _____
of _____
Well Operator _____
Consolidated Gas Supply Corporation
Street
445 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

Pres-169 PERMIT NUMBER

Survey

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Lohmann Johnson NAME R. E. Bayne
 ADDRESS Charleston, W. Va. ADDRESS Bridgeport, W. Va.
 TELEPHONE - - TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 11,500' ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS XX 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.
X20 - 16 "	110'	110'	To surface
X13 11-3/4"	1000'	1000'	To surface
9 - 5/8			
8 - 5/8			
7	8200'	8200'	1000'
5 1/2			
4 1/2	11500'	11500'	1000'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 120' FEET SALT WATER None FEET

APPROXIMATE COAL DEPTHS _____

IS COAL BEING MINED IN THE AREA? Strip on adjoining Farm BY WHOM? Daugherty 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