



Minimum Error of Closure 1' In 200'
 Source of Elevation B.M. - Consolidated Gas Supply Corp. Well No. 10394
 Elevation 1330'
 "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 56-A S-22 E-22

F.B. 1743 Pg. 1-8

Company Consolidated Gas Supply Corp.
 Address Clarksburg, W. Va.
 Farm Paul D. Pickens
 Tract Acres 300 Lease No. 70964
 Well (Farm) No. Serial No. 11951
 Elevation (Spirit Level) 1161' WC
 Quadrangle Brownton 7 1/2 PHILIPPI 15'
 County Barbour District Elk
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. Drawing No.
 Date April 4, 1975 Scale 1"=1320'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Bar-709
 + 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 MAY 19 1975



RECEIVED

SEP 28 1975

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Philippi

Permit No. BAR-709

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

Company Consolidated Gas Supply Corp.
Address Clarksburg, WV
Farm Paul D. Pickens Acres 300
Location (waters) Arnolds Run
Well No. 11951 Elev. 1161
District Elk County Barbour
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 7-10-75
Drilling Completed 7-16-75
Initial open flow 96M cu. ft. _____ bbls.
Final production 1,107M cu. ft. per day _____ bbls.
Well open 14 days ~~hrs.~~ before test 1280# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20X16	25	25	To Surface
Cond. 13X11 11"	312	312	To Surface
9 5/8			
8 5/8	2461	2461	To Surface
7			
5 1/2	4346	4346	100 bags
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well treated 8/4/75 with 700 bbls. water, 50,000# sand and 500 gal. 15% acid.
Perforations: 4224-4234 with 20 holes.

Coal was encountered at 195-610 Feet 36" - 96" Inches
Fresh water 70' 345' Feet Salt Water None Feet
Producing Sand Benson Depth 4224-4234

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	195		
Coal			195	198		
Sand & Shale			198	610		Water 70' Fresh
Coal			610	618		
Sand & Shale			618	1390		Water 345' Salt
Little Lime			1390	1415		
Big Lime			1415	1515		
Big Injun			1515	1595		
Sand & Shale			1595	1765		
Berea			1765	1845		
Sand & Shale			1845	2173		
4th Sand			2173	2250		
Sand & Shale			2250	3135		
Balltown			3135	3210		
Sand & Shale			3210	4005		
Riley			4005	4100		Gas 4010'
Shale			4100	4235		
<u>Benson</u>			4235	4260		Gas 4224-4235 - 20 shots
TD			4400			

Consolidated Gas Supply Corp.
445 West Main Street
Clarksburg, West Virginia 26301

(over)

* Indicates Electric Log tops in the remarks section.

SEP 30 1975



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAY 5 1975

DIVISION
OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Central W. Va. Council

Surface Owner Boy Scouts of America

Address Clarksburg, W. Va.

Mineral Owner Paul D. Pickens

Address Box 277, Cumberland, Md.

Coal Owner Boy Scouts of America

Address Clarksburg, W. Va.

Coal Operator None

Address _____

DATE May 2, 1975

Company Consolidated Gas Supply Corporation

Address Clarksburg, W. Va.

Farm Paul D. Pickens Acres 300

Location (waters) Arnolds Run

Well No. 11951 Elevation 1161'

District Elk, County Barbour

Quadrangle PHILIPPI

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 9-6-75.

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

INSPECTOR TO BE NOTIFIED Paul Thomas

PH: 472-6418 ADDRESS Buckhannon, 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 6-19-61 19 by Paul D. Pickens made to Hope Natural Gas Co. and recorded on the 31 day of August 1961 in Barbour County, Book 44 Page 293

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 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, W. Va. 26505
AC 304-296-4461

Very truly yours.

(Sign Name) Robert L. ... 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

Bar-709

PERMIT NUMBER

47-001

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 Company NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.
 TELEPHONE _____ TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 4400' 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.
20x 16	20'	20'	To surface
18x18x 11"	300'	300'	To surface
9 - 5/8			
8 - 5/8	2450'	2450'	85 bags
7	Back-off nipple @ 1750'		
5 1/2			125 bags
4 1/2	4400'	4400'	Perf. Top
3			Perf. Bottom
2			Perf. Top
Liners			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 55' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS None - Stripped by C. & W. Coal Co.
 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