



4,000' (1,219.20a)

79° 52' 30"

LONGITUDE

(15')

Minimum Error of Closure 1' IN 200'

Source of Elevation B.M. = C.G.S.C. WELL NO. 11254 EL-1364'

"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 1132 E-6 F. B. 1920 PG. 9-10

Company CONSOLIDATED GAS SUPPLY CORP.

Address CLARKSBURG, W. V.

Farm FERMAN H. CLARKSON (MIN. & SURF.)

Tract            Acres 182 Lease No. 74755

Well (Farm) No.            Serial No. 12526

Elevation (Spirit Level) 1500'

Quadrangle THORNTON 7 1/2', 15' SC

County PRESTON District RENO

Engineer Daniel W Radcliffe

Engineer's Registration No. L.L.S. 774

File No. 6-... Drawing No.           

Date JUNE 26, 1978 Scale 1" = 1,000'

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

**WELL LOCATION MAP**  
FILE NO. PRES-192

+ 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 AUG 18 1978



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
AUG 20 1979

Oil and Gas Division  
WELL RECORD //

OIL & GAS DIVISION  
DEPT. OF MINES

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

Quadrangle Thornton  
Permit No. 47-077-0192

Company Consolidated Gas Supply Corp.  
Address 145 W. Main St., Clarksburg, WV  
Farm Ferman H. Clarkson Acres 182  
Location (waters) Little Sandy Creek  
Well No. 12526 Elev. 1500'  
District Reno County Preston  
The surface of tract is owned in fee by \_\_\_\_\_  
F. H. Clarkson  
Address Rt. 1 Thornton WV 26110  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced August 16, 1978  
Drilling Completed August 22, 1978  
Initial open flow 43.7M cu. ft. \_\_\_\_\_ bbls.  
Final production 239M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 1 1/2 hrs. before test 18 hr. 725# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>1310' 11 3/4"</u>	241	241	To surface
9 5/8			
8 5/8	1008	1008	To surface
7			
5 1/2			
4 1/2	4240	4240	370 Sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.  
Well fractured in Riley with 60,000# sand, 700 bbls. of water & 500 gal. 15% Hcl.  
Perforations: 4068 - 4079' with 18 holes.  
Well fractured in Balltown with 60,000# sand, 700 bbls. of water & 800 gal. 15% Hcl.  
Perforations: 3152 - 3158' with 9 holes and 3162 - 3164' with 3 holes.

Coal was encountered at 250' & 460' Feet 24" & 36" Inches  
Fresh water 35, 100, 210 & 530 Feet \_\_\_\_\_ Salt Water none Feet \_\_\_\_\_  
Producing Sand Riley & Balltown Depth See perforations

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	5	Water	35'
Sand & Shale			5	250	Water	100'
Coal			250	252	Water	210'
Sand & Shale			252	460	Water	530'
Coal			460	463		
Sand & Shale			463	1325		
Big Lime			1325	1415		
Injun			1415	1515	Gas	2788'
Sand & Rock			1515	1465	Gas	3756'
Brown Sand			1465	1480	Gas	4163'
Sand & Shale			1480	14230	Gas	4413'
Benson			14230	14250	Gas-Final Test	43.7M
Sand & Shale			14250	14413	T.D.	
KBM 11' above G. L.						

\* Indicates Electric Log tops in the remarks section.

(over)

Formation	Color	Hard or Soft	Top Feet //	Bottom Feet	Oil, Gas or Water	Remarks
Gamma Ray Tops						
Little Lime			1280	1294		
Big Lime			1342	1425		
Big Injun			1425	1525		
Pocono			1541	1568		
Weir			1595	1644		
Berea Stray			1741	1774		
Berea			1788	1815		
Gantz-A			1831	1880		
50'			1897	2010		
30'			2036	2069		
Gordon Stray			2109	- -		
Gordon			- -	2236		
lith			2269	2287		
lith-A			2290	2344		
5th			2351	2445		
Bayard			2481	2517		
Lower Bayard			2546	2573		
Warren			2745	2768		
Upper Speechley			2964	3014		
Speechley			3069	3117		
Balltown			3144	3371		
Bradford			3528	3637		
Riley			3964	4125		
Benson			4224	4246		
Total Depth				4402		

Date August 13, 1979

APPROVED Consolidated Gas Supply Corp. Owner

By \_\_\_\_\_ Manager of Prod.  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

AUG 01 1978

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 July 18, 1978

Surface Owner P. H. Clarkson  
Address Rt. 1, Thornton, W. Va. 26140  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner Unknown  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company Consolidated Gas Supply Corp.  
Address 145 W. Main St., Clarksburg, WV  
Farm Ferman H. Clarkson Acres 1.82  
Location (waters) Little Sandy Creek  
Well No. 12526 Elevation 1500'  
District Reno County Preston  
Quadrangle Thornton

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 12-1-78

INSPECTOR

TO BE NOTIFIED William Blosser

ADDRESS P. O. Box 1028, Colfax, WV 26566

PHONE 363-9105

[Signature]  
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 July 19, 1965 by Ferman H. Clarkson made to Consolidated Gas Supply and recorded on the 13th day of August 1965 in Preston County, Book 380 Page 161

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, WEST VIRGINIA 26505  
AC-304 - 292-6331

Very truly yours,

(Sign Name) [Signature] Manager of Prod.  
Well Operator

Address  
of  
Well Operator

Consolidated Gas Supply Corp.  
Street  
145 West Main Street  
City or Town  
Clarksburg, West Virginia  
State

BLANKET BOND

\*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.

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

PROPOSED WORK ORDER TO Y 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: 1380' ROTARY Y CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Panson  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS 7 COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT.
<u>20/- 16</u>	<u>20'</u>	<u>20'</u>	<u>To surface</u>
<u>18 1/4/ 11 3/4"</u>	<u>150'</u>	<u>150'</u>	<u>To surface</u>
<u>9 - 5/8</u>			
<u>8 - 5/8</u>	<u>950'</u>	<u>950'</u>	<u>To surface</u>
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>			
<u>3</u>	<u>1380'</u>	<u>1380'</u>	<u>125 sks.</u>
<u>2</u>			<u>Perf. Top</u>
<u>Liners</u>			<u>Perf. Bottom</u>
			<u>Perf. Top</u>
			<u>Perf. Bottom</u>

APPROXIMATE FRESH WATER DEPTHS 90' FEET \_\_\_\_\_ SALT WATER None FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS Unknown \_\_\_\_\_  
 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