



LONGITUDE 80° 15' 5550'

Minimum Error of Closure 1' IN 200'
 Source of Elevation LEVELS FROM ROAD FORK
State Route 20 EN. 1030'
 "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

1925-20-21
MAP SHEET 56 S19 E17 FB 1925 PG. 9-10

Company CONSOLIDATED GAS SUPPLY CORP
 Address CLARKSBURG, W.VA.
 Farm L.B. HINKLE
 Tract COMMERCIAL COAL & COKE CO.
 Acres 502.36 Lease No. 76646
 Well (Farm) No. 12513 Serial No. 12513
 Elevation (Spirit Level) 1123' Weston 15'
 Quadrangle MOUNT CLAIR, W.VA. EC
 County HARRISON District ELK
 Engineer Danell M. Radcliffe
 Engineer's Registration No. L.L. 577A
 File No. _____ Drawn No. _____
 Date 6-28-78 scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO **HAR-1912**

Denotes location of well on United States Topographic Maps, scale 1" = 24,000' latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing

47-033 AUG 18 1978



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle Mount Clare

Permit No. HAR-1912
47-033

Company Consolidated Gas Supply Corp.
Address 445 W. Main St., Clarksburg, WV
Farm Commercial Coal & Coke Acres 502.36
Location (waters) Hastings Rm
Well No. 12513 Elev. 1123'
District Elk County Harrison
The surface of tract is owned in fee by L. B. Hinkle
Address Box 515, Mt. Clara, WV
Mineral rights are owned by Consolidated Gas Supply Corp. address Clarksburg, WV
Drilling Commenced September 18, 1978
Drilling Completed September 28, 1978
Initial open flow 0 cu. ft. _____ bbls.
Final production 231M cu. ft. per day _____ bbls.
Well open 1 hrs. before test 220# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>18 1/2" 13 3/8"</u>	<u>350'</u>	<u>350'</u>	To surface
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1878'</u>	<u>1878'</u>	To surface
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>1347'</u>	<u>1347'</u>	120Sks.
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Benson with 56,000# sand, 711 bbls. of water & 500 gals. 15% acid.
Perforations: 1175 - 1181' with 18 holes.

Coal was encountered at 102' 405' 720' Feet 1/8" 2 1/2" 120" Inches
Fresh water 10' 410' Feet _____ Salt Water None Feet _____
Producing Sand Benson Depth 1181'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	10		
Shale & Sand			10	102	Water	10' Damp
Dark Shale & Coal			102	106	Water	410' Wet
Sand & Shale			106	405		
Coal			405	407		
Sand & Shale			407	600		
White Sand			600	720		
Coal Shale			720	730		
Shale			730	780		
White Sand			780	800		
Sand & Shale			800	1040		
Red Rock			1040	1055		
Sand			1055	1180		
Little Lime			1180	1195		
Sand & Shale			1195	1215		
Big Lime			1215	1280		
White Sand & Lime			1280	1295		
Sand & Shale			1295	4168		
Benson			4168	4183		
Sand & Shale			4183	4335	T.D.	
KBM 10' above G. L.						

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Gamma Ray Log Tops						
Little Lime			1114	1158		
Big Lime			1186	1276		
Big Injun			1276	1365		
Gantz			1594	1639		
Gantz-A			1643	1681		
50'			1696	1823		
30'			1834	1858		
Gordon Stray			1883	- -		
Gordon			- -	2033		
4th			2039	2085		
5th			2149	2184		
Upper Speechley			2700	2766		
Speechley			2844	2872		
Balltown			3004	3256		
Bradford			3394	3506		
Riley			3903	4032		
Benson			4169	4183		
Total Depth				4325		

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

Date October 31, 1978

APPROVED Consolidated Gas Supply Corp. Owner

By J. E. Payne Manager of Prod.

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner L. B. Hinkle
Address Box 515, Mt. Clare, WV
Mineral Owner Consolidated Gas Supply Corp.
Address Clarksburg, WV
Coal Owner Same
Address _____
Coal Operator None
Address _____

DATE July 27, 1978
Company Consolidated Gas Supply Corp.
Address 445 W. Main, Clarksburg, WV 26301
Farm Commercial Coal & Coke Acres 502.36
Location (waters) Hastings Run
Well No. 12513 Elevation 1123
District Elk County Harrison
Quadrangle Mount Clare

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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 12-3-78.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech St., Clarksburg, WV
PHONE 622-3871

Robert E. Hill
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~~ ^{deed} dated March 1 1967 by Commercial Coal & Coke Co. made to Consolidated Gas Supply and recorded on the 21st day of April 1967, in Harrison County, Book 932 Page 461

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 None 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]
Well Operator Manager of Production

Address 445 West Main Street
of _____ Street
Well Operator Clarksburg
City or Town
West Virginia 26301
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

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack Drilling Co. NAME R. E. Bayne
 ADDRESS Indiana, Pennsylvania ADDRESS Clarksburg, West Virginia
 TELEPHONE (412) 349-6800 TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 4330 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - XX	20'	20'	To Surface
13 - XX	350'	350'	To Surface
9 - 5/8			
8 - 5/8	1860'	1860'	To Surface
7			
5 1/2			
4 1/2	4330'	4330'	125 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 & 300 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 420-425
 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