

Minimum Error of Closure 1' IN 200'  
 Source of Elevation B.M. - CHISELED SQUARE IN ROCK - MORGANTOWN  
7 1/2' TOPO MAP - ELEV. 2146'  
 "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."

*Partial Plugging*  
 New Location  *9/18/73*  
 Drill Deeper   
 Abandonment

UNIT  
 POOLED AREA 320<sup>2</sup>

MAP SHEET 933 B-4

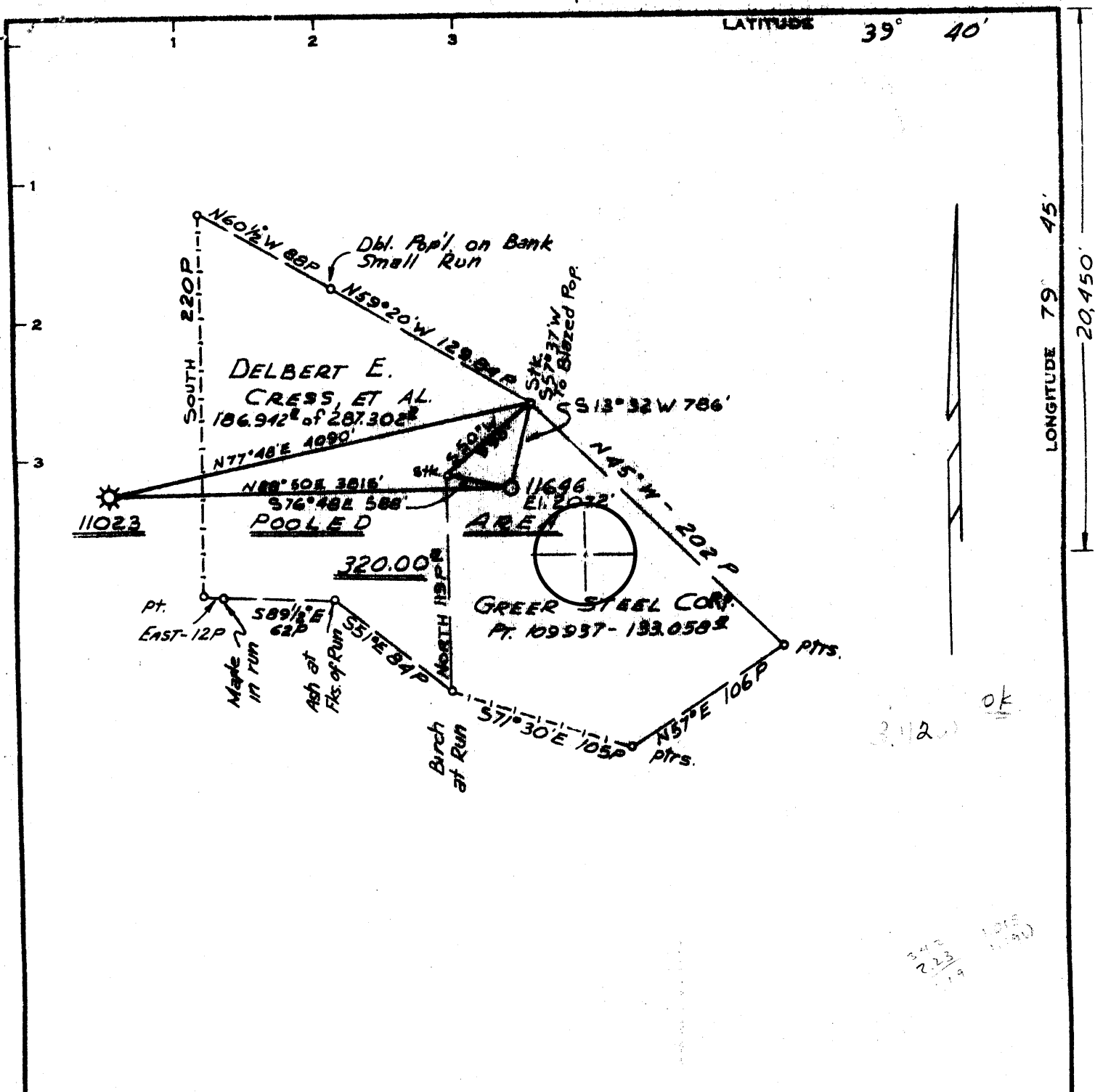
F.B. 1636 Pgs. 30-34

Company CONSOLIDATED GAS SUPPLY CORP.  
 Address CLARKSBURG, W. VA.  
 Farm GREER STEEL CO.  
 Tract \_\_\_\_\_ Acres 133.058 Lease No. 109937  
 Well (Farm) No. \_\_\_\_\_ Serial No. 11646  
 Elevation (Spirit Level) 2072'  
 Quadrangle MORGANTOWN E.C.  
 County MONONGALIA District MORGAN  
 Engineer Jackson M. Jarvis  
 Engineer's Registration No. 2397  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 3-18-73 Scale 1"=1320'

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

WELL LOCATION MAP  
 FILE NO. Mon-332-PP

+ 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. 47-061



Minimum Error of Closure 1' IN 200'  
 Source of Elevation B.M. - CHISELED SQUARE IN ROCK-MASONTOWN  
7 1/2' TOPO MAP - ELEV. 2146'  
 "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 320<sup>2</sup>

MAP SHEET 933 B-4 F.B. 1636 Pgs. 30-34

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 Tract \_\_\_\_\_ Acres 133.058 Lease No. 109937  
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 Quadrangle MORGANTOWN (E.C.)  
 County MONONGALIA District MORGAN  
 Engineer Jackson M. Jarvis  
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 Date 3-18-73 Scale 1" = 1320'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. Mem-332  
 + 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.  
Deep Well (Tuse)



RECEIVED

JAN 23 1974

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle MORGANTOWN

Permit No. MON-332

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

Company Consolidated Gas Supply Corporation  
Address Clarksburg, W. Va.  
Farm Greer Steel Corporation Acres 133.058  
Location (waters) Cheat River  
Well No. 11616 Elev. 2072'  
District Morgan County Monongalia  
The surface of tract is owned in fee by \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>x20-16"</u>	80	80	To surface-100 ba
Cond. <u>x3-10" 11"</u>	1100	1100	To surface-700 ba
<u>9 5/8</u>			
<u>8 5/8</u>			
<u>7-5/8"</u>	9193	9193	500 bags
<u>5 1/2</u>			
<u>4 1/2</u>	8077	8077	Milled out 300' of 7" with section mill
<u>3</u>			
<u>2</u>			
Liners Used			

Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling Commenced 1-21-73  
Drilling Completed 8-22-73  
Initial open flow N. R. cu. ft. \_\_\_\_\_ bbls.  
Final production 2,177 Mcu. ft. per day \_\_\_\_\_ bbls.  
Well open 22 days hrs. before test 3650# RP.

Well treatment details:

Attach copy of cementing record.

Perforated 7830' to 7728' with 63 holes and treated with 500 bbl water, 22,500# sand, 1000 gal 28% acid

Perforated 7901' to 7995' with 18 holes and treated with 500 bbl water, 1000 gal 28% acid, 45,000# sand and 1,200# glass beads.

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water None Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand Chert - Huntersville Depth 7819' to 7896'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	1180		
Red Rock			1180	1975		
Shale & Lime stringers			1975	7702		
Onondaga			7702	7719		
<u>Chert - Huntersville</u>			7719	7896	Gas	Chert See perforation
Oriskany			7896	7960		
Lime			7960	9119		
Dolomite			9119	9197		
Salt			9197	10551		
Dolomite			10551	10597		
Shale			10597	10995		
Sand & Shale			10995	11186		
<u>Tuscarora</u>			11186	11188		
Total Depth drilled				11585'		
Plugged back to				8077'		Present T.D.
			<u>P.I. cards perf @</u>			
			<u>7728 to 7742</u>			
			<u>7761 to 7812</u>			
			<u>7830 to 7840</u>			
						Consolidated Gas Supply Corp. 1115 West Main Street Clarksburg, W. Va.

11484  
2072  
-9412

11585  
11960  
3625 explon.

(over)

\* Indicates Electric Log tops in the remarks section.

FEB 21 1974



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAR 29 1973

OIL & GAS DIVISION  
Oil and Gas Division DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 27, 1973

Surface Owner Cascade Corporation  
Address Cascade, W. Va.  
Mineral Owner Delbert E. Cress, Agt.  
Address Route #1, Masontown, W. Va.  
Coal Owner None  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company Consolidated Gas Supply Corporation  
Address Clarksburg, W. Va.  
Farm Greer Steel Corporation Acres 133.058  
Location (waters) Cheat River  
Well No. 11616 Elevation 2072'  
District Morgan County Monongalia  
Quadrangle MORGANTOWN

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 8/2/73.

INSPECTOR TO BE NOTIFIED Mr. Wm. Blosser  
Box 1857 PH: Fairmont  
Calfax 363-9105  
W. Va. 26566

Robert L. Todd  
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 9-9-60 19   by Greer Steel Co. made to Hope Natural Gas Company and recorded on the 12th day of February 1961 in Monongalia County, Book 591 Page 179

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) R. G. 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 BURN

Mon-332 PERMIT NUMBER

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. F. Bayne \_\_\_\_\_  
 ADDRESS Charleston, W. Va. \_\_\_\_\_ ADDRESS Bridgeport, W. Va. \_\_\_\_\_  
 TELEPHONE - - \_\_\_\_\_ TELEPHONE 623-3611 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 11,300' \_\_\_\_\_ ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Tuscarora \_\_\_\_\_  
 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.
<del>20x20x</del> 24"	20'	20'	To surface
<del>18x18x</del> 16"	100'	100'	To Surface
9 - 5/8			
8 - 5/8			
7	9400'	9400'	225 bags
5 1/2			
4 1/2	11300'	11300'	350 bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

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