

A - B	S 65° 00' W	1765.50' - 538.12 M
A - 12502	S 39° 02' W	800.52' - 244.00 M
B - 12502	N 63° 32' E	1102.98' - 336.19 M

NOTE: ALL BEARINGS CORRECTED TO PROPERTY DESCRIPTION

Minimum Error of Closure 1 Part in 200

Source of Elevation Intersection Doe Gully Rd. & W.M. R.R.

"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  4/14/79

MAP SHT. 1701-S S 8 E 13 NB 2103 P 34-37

Company Consolidated Gas Supply Corp.

Address 445 W. Main St. Clarksburg, W. Va.

Farm Edgar H. Johnson, Jr., Robert H. Strachan

Tract \_\_\_\_\_ Acres 173<sup>0</sup> Lease No. 72919

Well (Farm) No. \_\_\_\_\_ Serial No. 12502

Elevation (Spirit Level) 687'

Quadrangle Paw Paw

County Morgan District Cocapon

Engineer Kaneli M. Kadek

Engineer's Registration No. 66577A

File No. \_\_\_\_\_ Drawing No. VCF78AW12

Date May 18, 1978 Scale 1" = 2000'

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

WELL LOCATION MAP  
FILE NO. MOR-8-P

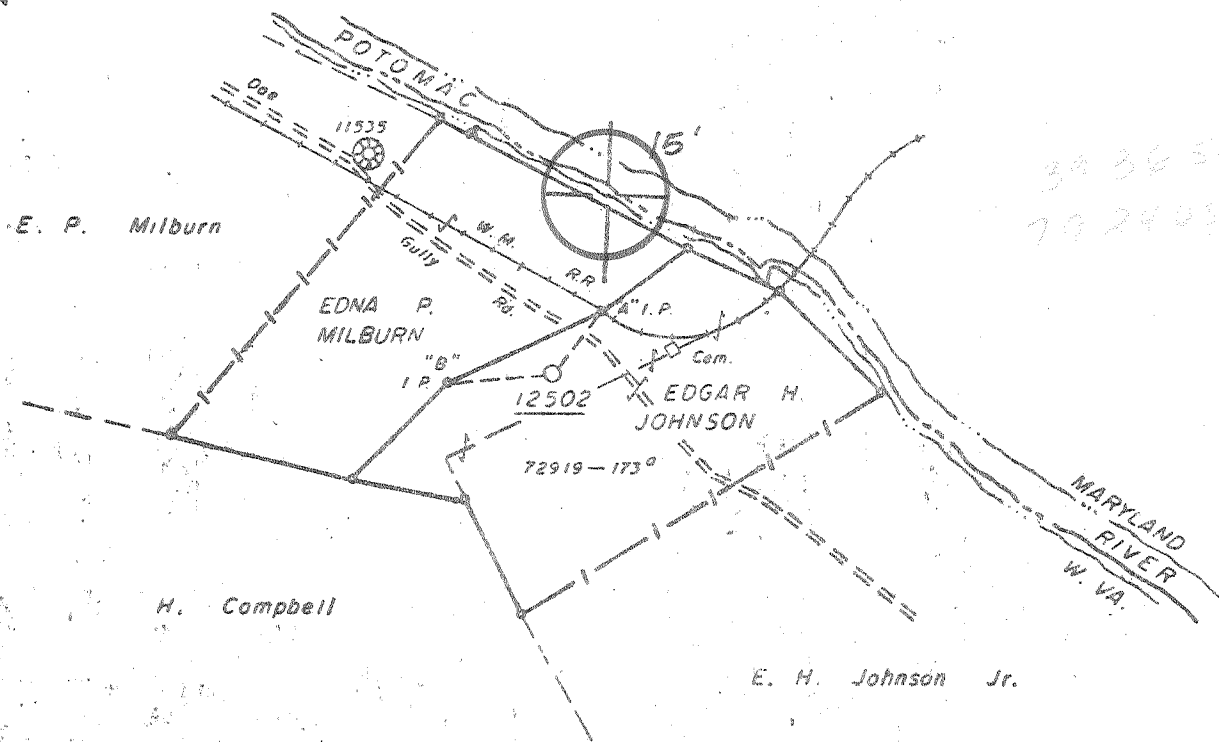
— Denotes location of well on United States Topographic Maps, scale 1:24,000, latitude and longitude lines being represented by border lines as shown. JUN 14 1979

— Denotes one inch spaces on border line of original tracing. **47-065**



3.645  
3.58 W

39 36 50  
78 24 03



- A - B S 65° 00' W 1765.50' - 538.12 M
- A - 12502 S 39° 02' W 800.52' - 244.00 M
- B - 12502 N 83° 32' E 1102.98' - 336.19 M

NOTE: ALL BEARINGS CORRECTED TO PROPERTY DESCRIPTION

Minimum Error of Closure 1 Part in 200  
 Source of Elevation Intersection Doe Gully Rd. & W.M. R.R.  
 "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 SHT. 1701-S S 8 E 13 NB 2103 P.34-37

Company Consolidated Gas Supply Corp.  
 Address 445 W. Main St. Clarksburg, W. Va.  
 Farm Edgar H. Johnson, Jr. Robert H. Strachan  
 Tract \_\_\_\_\_ Acres 173<sup>0</sup> Lease No. 72919  
 Well (Farm) No. \_\_\_\_\_ Serial No. 12502  
 Elevation (Spirit Level) 687'  
 Quadrangle Paw Paw 15' C  
 County Morgan District Cocapon  
 Engineer Karel M Kadlec  
 Engineer's Registration No. 64574A  
 File No. \_\_\_\_\_ Drawing No. VCF78AW12  
 Date May 18, 1978 Scale 1" = 2000'

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

WELL LOCATION MAP  
 FILE NO. MOR-8

--- 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. AUG 7 1978  
 --- Denotes one inch spaces on border line of original tracing. **47-065**

Deep well 5650' 5-P Bayrd (319)

7717



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

MAY 15 1979

Oil and Gas Division  
WELL RECORD

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

Quadrangle Paw Paw  
Permit No. MOR-8

Company Consolidated Gas Supply Corp.  
Address 1415 W. Main St., Clarksburg, WV  
Farm Edgar H. Johnson, Jr. Acres 173  
Location (waters) Potomac River  
Well No. 12502 Elev. 687'  
District Cacapon County Morgan  
The surface of tract is owned in fee by \_\_\_\_\_  
Robert H. Strachan, Aet.  
Address 12406 Connecticut Ave., Silver Springs Md.  
Mineral rights are owned by Edgar H. Johnson, Jr.  
Address 1811 Arizona, Alamogordo, NM  
Drilling Commenced November 19, 1978  
Drilling Completed January 24, 1979  
Initial open flow 0 cu. ft. \_\_\_\_\_ bbls.  
Final production Dry cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>20-1/2"</u>			
Cond. <u>16"</u>	<u>271'</u>	<u>271'</u>	
<u>13-10" 11 3/4"</u>	<u>303'</u>	<u>303'</u>	To surface
<u>9 5/8"</u>			
<u>8 5/8"</u>	<u>1518'</u>	<u>1518'</u>	To surface
<u>7"</u>			
<u>5 1/2"</u>			
<u>4 1/2"</u>	<u>6013'</u>	<u>6013'</u>	250 Sks.
<u>3"</u>			
<u>2"</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Oriskany with 1000 bbls. of water, 75,000# sand & 1000 gals. 20% Hcl.  
Perforations: 5942 - 5974' with 32 holes.

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 275', 356' & 485' Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand Dry Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale				<u>24</u>		
Shale & Sand			<u>24</u>	<u>30</u>		
Shale			<u>80</u>	<u>560</u>		
Sand			<u>560</u>	<u>950</u>		
Shale			<u>950</u>	<u>1250</u>		
Sand & Shale			<u>1250</u>	<u>2090</u>		
Shale			<u>2090</u>	<u>2620</u>		
Sandy Shale			<u>2620</u>	<u>2630</u>		
Sand & Shale			<u>2630</u>	<u>6017</u>		T.O.
Log Tops				<u>KB=699</u>		
Chaneyville			<u>2976</u>			
Olitic			<u>3123</u>			
Purcell			<u>5491</u>			
Onondaga			<u>5693</u>			
Oriskany			<u>3859</u>			

Consolidated Gas Supply Corp.  
1415 West Main Street  
Clarksburg, West Virginia

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JUL 17 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 13, 1978

Surface Owner Robert H. Strachan, Agt.  
Address 12406 Connecticut Ave., Silver Springs, Md.  
Mineral Owner Edgar H. Johnson, Jr.  
Address 1811 Arizona, Alamogordo, N.M.  
Coal Owner Same  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company Consolidated Gas Supply Corp.  
Address 145 W. Main St., Clarksburg, W. Va.  
Farm Edgar H. Johnson, Jr. Acres 173  
Location (waters) Potomac River  
Well No. 12502 Elevation 687'  
District Cacapon County Morgan  
Quadrangle Paw Paw

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 11-18-78.

INSPECTOR

TO BE NOTIFIED Robert Stewart

ADDRESS P. O. Box 345, Jane Lew, W. Va. 26378

PHONE 884-7782

Robert H. Strachan  
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 December 6, 1963 by Edgar H. Johnson, Jr. made to Hope Natural Gas Co. and recorded on the 7th day of January 1964, in Morgan County, Book 69 Page 334

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:

Very truly yours,  
(Sign Name) [Signature] Manager of Prod.  
Well Operator

W. VA. OIL & GAS CONSERVATION COMMISSION  
613 WASHINGTON STREET, EAST  
CHARLESTON, WEST VIRGINIA 25311

Address of Well Operator Consolidated Gas Supply Corp.  
Street 145 West Main Street  
City or Town Clarksburg, 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

MOR-8

PERMIT NUMBER

47-065

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

PROPOSED WORK ORDER TO  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: 5050' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS  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.
10' - 16	30'	30'	To surface
13 - 10			
9 - 5/8	1050'	1050'	To surface
8 - 5/8			
7			
5 1/2			
4 1/2	5050'	5050'	250 sacks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50' 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

ORISKANY DATA FROM MORGAN COUNTY GAS WELLS

Permit	Quad.	Oriskany	
		Top	Thickness
1.....	Stotlers.....	NOT DRILLED TO Do	
2.....	NOT DRILLED		
3.....	Paw Paw.....	-4167.....	146+
4.....	Paw Paw.....	-3983.....	164+
5.....	Stotlers.....	Below -5896....	Did not reach Do
6.....	Paw Paw.....	-5837.....	26.....Faulted
7.....	NOW PERMIT NO. 9		
8.....	Paw Paw.....	-5161.....	???.....Stopped in Do
9.....	Paw Paw.....	-4064.....	150