



Minimum Error of Closure 1' IN 200'
 Source of Elevation RT. 28 & 28 U.E. ELE. 909'
MT. ALTO 7.5' QUADRANGLE

"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 NO. 44W F.B.1779 Pgs. 21-24 & 28

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W.VA.
 Farm R.M. MCKINNEY
 Tract Acres 214 Lease No. 78224
 Well (Farm) No. Serial No. 12164
 Elevation (Spirit Level) 803' SC
 Quadrangle RAVENSWOOD (SOUTH CENTRAL)
 County MASON District COLOGNE
 Engineer
 Engineer's Registration No. 3628
 File No. Drawing No.
 Date APRIL 20, 1976 Scale 1" = 2000'

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

WELL LOCATION MAP
 FILE NO. **MAS-138**

+ 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.

47-053 MAY 24 1976



RECEIVED

JUL 6 - 1976

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle MT. ALTO

Permit No. MAS-138

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

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm R. M. McKinney Acres 21 1/4
Location (waters) Rt/Fk Little Mill Ck.
Well No. 12161 Elev. 803'
District Cologne County Mason
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 20-16			
Cond. 11" x 11" 11"	298	298	To surface
9 5/8			
8 5/8	2372	2372	140 bags
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 5-21-76
Drilling Completed 6-01-76
Initial open flow Show cu. ft. _____ bbls.
Final production 72 M cu. ft. per day _____ bbls.
Well open 1 1/2 days hrs. before test 295# RP.
Well treatment details:

Attach copy of cementing record.

Well shot with 10,100# of Gelatin

Coal was encountered at None Feet _____ Inches _____
Fresh water 60' Feet _____ Salt Water 1130' & 1635' Feet _____
Producing Sand Brown Shale Depth 3330'-1280'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Red Rock		<u>TOPS FROM KB-816</u>	0	140	Water	60' Fresh
Sand & Shale			140	1665	Water	1130' Salt
Big Lime			1665	1785	Water	1635' Salt
Sand & Shale (Pocono)			1785	1961		
Sand & Shale			1961	2247		
Sunbury Shale			2247	2260		
Berea			2260	2283		
Sand & Shale			2283	3330		
<u>Brown Shale</u>			3330	1280	Gas	Brown Shale
Total Depth		<u>top on 1270 - TD</u>		1280'		
H 3590						
J 3780						
A 3916						
B 4100						
13'						
KBM 10' above G.L.						

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, W. Va.

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAY 17 1976

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 May 14, 1976

Surface Owner R. M. McKinney

Company Consolidated Gas Supply Corporation

Address 156 Crocker Creek Rd., Scott Cepot, WV

Address Clarksburg, W. Va.

Mineral Owner Same

Farm R. M. McKinney Acres 21 1/2

Address _____

Location (waters) Little Mill Creek

Coal Owner No coal

Well No. 12164 Elevation 803'

Address _____

District Cologne County Mason

Coal Operator None

Quadrangle Mt. Alto Ravenswood 15'

Address _____

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 9-17-76

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Kenneth Butcher
PH: 736-4885 ADDRESS Barboursville, WV

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 2-19-69 19 by R. M. McKinney made to Consolidated Gas Supply Corporation on the 14th day of June 19 69 in Mason County, Book 32 Page 170

~~XXXXX~~ 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.

WE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Address
of
Well Operator

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

Mas-138 PERMIT NUMBER
47-053

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 Co. NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.
 TELEPHONE --- TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 4311' ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Shale
 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.
20 xxx	20'	20'	To surface
xxxxxxx 11"	300'	300'	To surface
9 - 5/8			
8 - 5/8	2420'	2420'	85 bags
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 85' 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