

*Janie*  
*6/2/97*

L. & D. P. STOUT 417a

(A. S. SCHWARTZMAN)

(414.03a)

(1393a)

7058

F. N. STOUT 235a

S32°15'W-466'

S49°W-660'

S10°W-712.8'

36" W.O. STUMP  
Δ IN FE.  
S11°00'E-334' (10180M)

S80°09'E-1151'  
(350.83M)  
N82°59'E-1070'  
(328.27M)

S15°30'E-610.5'

STK.  
S26°E-495'

STK.  
S22°E-412.5'

D.C. STOUT.  
302a

P. D. FARR 63a

7 1/2' 2.475  
1.20W

Minimum Error of Closure 1' IN 200'

Source of Elevation BM. = CG.S.C. PLUGGED WELL 10459 EL.-992'

"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 68 S19 W10 F.B. 1898 PG. 30-31

CNG Transmission Corp.  
445 West Main St-Clarksburg, WV 26301  
Surface: I.L. Morris

WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
#10 McJUNKIN ROAD  
NITRO, WEST VIRGINIA 25143-2506

Tract \_\_\_\_\_ Acres 1427 Lease No. 41996

Well (Farm) No. \_\_\_\_\_ Serial No. 12477

Elevation (Spirit Level) 1291'

Quadrangle OXFORD 7 1/2'

County DODDRIDGE District SOUTH WEST

Engineer *Janell M. Radcliffe*

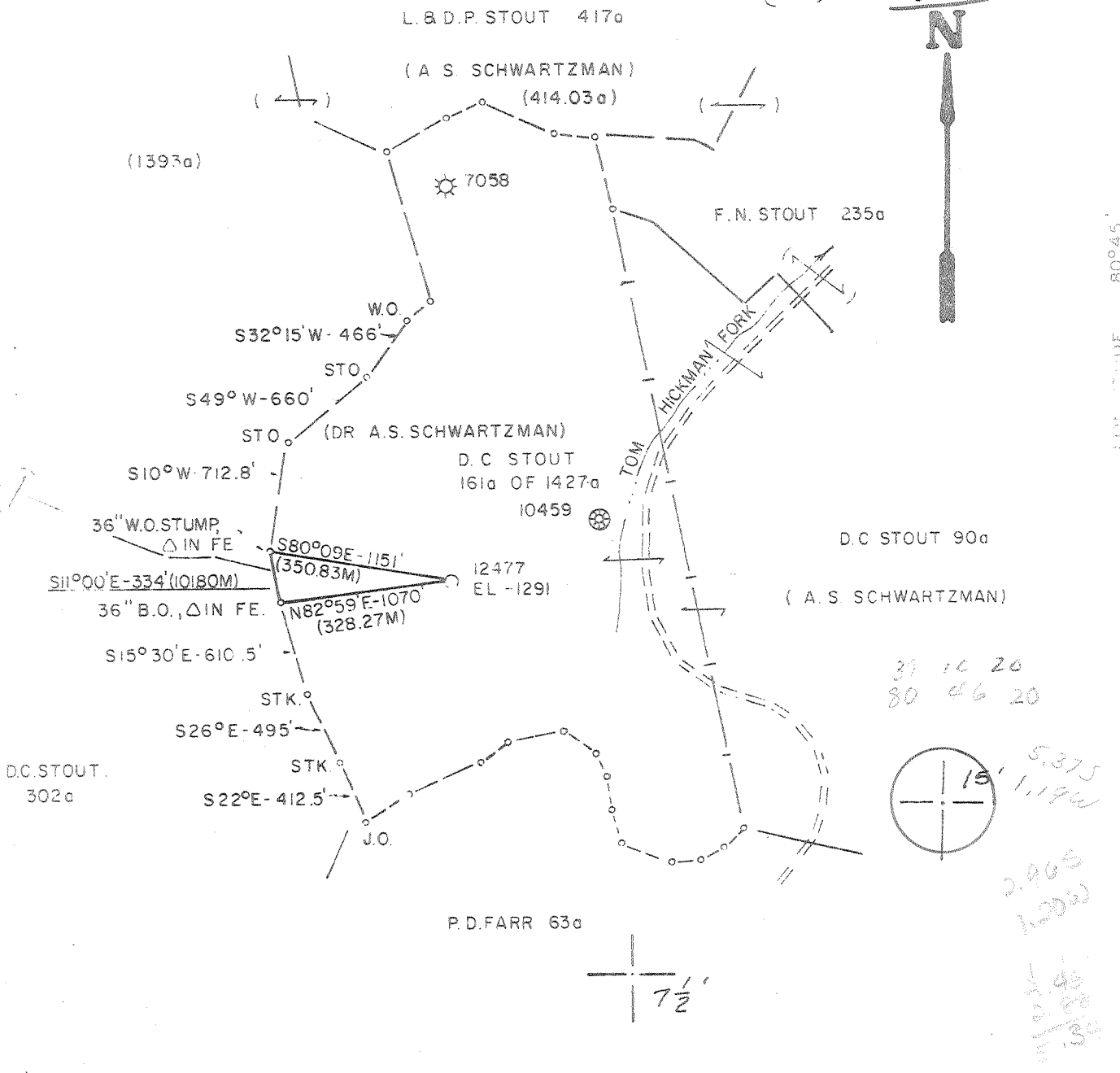
Engineer's Registration No. L.L.S. # 74

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

Date MARCH 17, 1978 Scale 1" = 1,000'

### WELL LOCATION MAP

*OP'd Well No. 47-017-01896-7*  
*Well drilled by Consolidated Resources*  
*in 1978 TO 54.76' Production from Cedar*  
*Creek, Bonser, # Riley CRT to Set Temp.*  
*Perf. 4 1/2' full string - Garden*  
*Remove plug composite with original*  
*production*  
JUN 6 1997



80°45'  
13,050' (3977.64M)

39 10 20  
80 46 20  
5,375  
1,190  
2,965  
1,200  
1,400  
1,300

Scale 1" = 200'  
BM. = CG.S.C. PLUGGED WELL 10459 EL-992'

This map was prepared in accordance with the laws of the State of West Virginia and shows all the information required by law to be shown on a well location map.

Location X  
Date  
Author

MAP SHEET 68 S19 W10 F.B. 1898 PG. 30-31

Company CONSOLIDATED GAS SUPPLY CORP.  
Address CLARKSBURG, W.V.  
Owner D.C. STOUT (A.S. SCHWARTZMAN)  
Well No. 1427  
Section 14277  
Elevation 1291'  
Location OXFORD 7 1/2', HOLBROOK 15'  
County DODDRIDGE SOUTH WEST  
Engineer Registration No. LLS # 7A  
Date MARCH 17, 1978  
Drawing No.  
Scale 1" = 1,000'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS  
CHARLES CITY  
WELL LOCATION MAP  
FILE NO. **DODD-1896**  
Denotes location of well on original State Photographic Map, 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.  
**47-017 MAY 15 1978**

State of West Virginia  
Permitting Division of Environmental Protection  
Office of Oil & Gas Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: MORRIS, I.L. Operator Well No.: 12477

LOCATION: Elevation: 1,291.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
Latitude: 13050 Feet South of 39 Deg. 12Min. 30 Sec.  
Longitude 6320 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: CNG TRANSMISSION CORP.  
445 W. MAIN ST., P.O. BOX 2450  
CLARKSBURG, WV 26302-2450

Agent: JAMES D. BLASINGAME

Inspector: MIKE UNDERWOOD  
Permit Issued: 06/06/97  
Well work Commenced: 07/02/97  
Well work Completed: 09/15/97  
Verbal Plugging  
Permission granted on:  
Rotary Cable Rig  
Total Depth (feet) 5329'  
Fresh water depths (ft)  
Salt water depths (ft)  
Is coal being mined in area (Y/N)?  
Coal Depths (ft):

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.

OPEN FLOW DATA

Producing formation Gordon Injun Pay zone depth (ft) 2741-2822  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow 3119-213 Bbl/d  
Final open flow \*888 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 300 psig (surface pressure) after 12 Hours  
Commingled with existing production  
Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: CNG TRANSMISSION CORP.  
By: B-G  
Date: 1-30-98

FEB 20 1998

NR

CNGP 12477

7/2/97 - Pulled 2.375" tubing. Checked T.D. at 5329'.

7/8/97 - Key Energy perforated and BJ water fraced with 25# X-Link system.

Gordon, 2741-2826', 17 shots. Pumped 30,000# sand in 356 bbls.

Injun, 2119-2137', 28 shots. Pumped 36,000# sand in 345 bbls.

7/9/97 - SICP = 50#. Drilled out frac plug. Gas test 267 Mcf/d.

7/18/97 - SICP = 98#, Swabbed and sand pumped to B.P. Gas test 531 Mcf/d.  
Shut well in.

9/9/97 - Moved in rig to drill out Bridge Plug.

9/15/97 - Drilled out plug. TD hole at 5360'.

9/15/97 - F.O.F. = 888 Mcf/d - 300#.

T.B.I.L. as a casing well.



**RECEIVED**

AUG 11 1978

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**

OIL & GAS DIVISION  
**DEPT. OF MINES**

**WELL RECORD 2**

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

Quadrangle Oxford

Permit No. DODD-1896  
17-017

Company Consolidated Gas Supply Corp.  
Address 145 W. Main St., Clarksburg, WV  
Farm D. C. Stent Acres 1427  
Location (waters) So. Fork of Hughes River  
Well No. 12477 Elev. 1291'  
District Southwest County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Dr. A. S. Schwartzman  
Address 2007 Nichol Ave. S.E., Washington DC  
Mineral rights are owned by Jean S. May, Agt.  
Address 19812 W. Ave of Oaks,  
New Hall, GA  
Drilling Commenced June 6, 1978  
Drilling Completed June 13, 1978  
Initial open flow 622M cu. ft. \_\_\_\_\_ bbls.  
Final production 822M cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test 1480 # RP.  
Well treatment details: 18 hrs

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13 10" 11 3/4"	359'	350'	To surface
9 5/8			
8 5/8	1607'	1607'	To surface
7			
5 1/2			
4 1/2	5162'	5162'	305 sks.
3			
2			
Liners Used			

Attach copy of cementing record.

Well fractured in Cedar Creek with 60,000# sand, 103 bbls. of water & 700 gals HCL.  
Perforations: 5332 - 5276' with 14 holes.  
Well fractured in Benson with 30,000# sand, 71 bbls. of water & 700 gals HCL.  
Perforations: 1990 - 1991' with 12 holes.  
Well fractured in Riley with 56,000# sand, 606 bbls. of water & 700 gals HCL.  
Perforations: 1898 - 1908' with 14 holes.  
Coal was encountered at 1395', 1585', 1590', 1611' Feet 60", 21", 21", 18" Inches  
Fresh water 140' Feet \_\_\_\_\_ Salt Water none Feet \_\_\_\_\_  
Producing Sand Cedar Creek, Benson & Riley Depth 5332', 1991' & 1908'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Red Rock			0	30		
Sand & Shale			30	225	Water	1 1/4" Stream
Sand, Shale & Red Rock			225	265		
Sand			265	325		
Red Rock, Sand & Shale			325	495		
Sand & Shale			495	1395		
Coal			1395	1400		
Sand & Shale			1400	1585		
Coal			1585	1587		
Shale			1587	1590		
Coal			1590	1592	Gas	2125'
Sandy Shale			1592	1615	Gas	2135'
Coal			1615	1619	Gas	2590'
Sand & Shale			1619	1980	Gas	3000'
Little Lime			1980	2000	Gas	3210'
Sand			2000	2030	Gas	3130'
Big Lime			2030	2090	Gas	3900'
Sand & Shale			2090	4755	Gas	4360'
<u>Riley</u>			4755	4855	Gas	5010'
Sandy Shale			4855	4900	Gas	5410'
<u>Benson</u>			4900	4920		
Sand & Shale <u>Cedar Creek</u>			4920	5476	T.D.	
KBM 10' above G. L.						

5276  
4900  
376 Expl. Ft.

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet $\approx$	Bottom Feet	Oil, Gas or Water	* Remarks
Gamma Ray Log Tops						
Little Lime			1965	1973		
Blue Monday			2020	2034		
Rig Lime			2034	2088		
Rig Injun			2088	2177		
Weir			2312	2432		
Gantz			2518	2524		
50'			2524	2721		
Gordon Stray			2721	- -		
Gorden			- -	2872		
4th			2882	2912		
4th-A			2912	2982		
5th			2982	3034		
Warren			3384	3412		
Upper Speechley			3514	3658		
Speechley			3658			
Bradford			4400	4600		
Riley			4761	4924		
Renson			4980	4994		
Leopold			5110	5132		
<u>Cedar Creek</u>			5234	5334		
Total Depth				5466		

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

Date August 9, 1978

APPROVED Consolidated Gas Supply Corp. (initial)

By *J. Payne* Manager of Prod.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAY - 2 1978

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 1, 1978

Surface Owner Dr. Schwartzman, A. S.  
Address 2007 Nichol Ave., Washington D.C.  
Mineral Owner Jean S. May, Agt.  
Address 19842 W. Ave of Oaks, NewHall Ca.  
Coal Owner No coal  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company Consolidated Gas Supply Corporation  
Address Clarksburg, W. Va.  
Farm D. C. Stout Acres 1427  
Location (waters) So/Fk/Hughes River  
Well No. 12477 Elevation 1291'  
District Southwest County Doddridge  
Quadrangle OXFORD

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 9-3-78  
operations have not commenced by 9-3-78

INSPECTOR

TO BE NOTIFIED

Paul Garrett

ADDRESS 321 Beech St., Clarksburg, W. Va.

Robert L. Small  
Deputy Director - Oil & Gas Division

PHONE 622-3871

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 3-22-98 19    by S. W. Stout made to H. N. G. Co. and recorded on the 18th day of April 1898 in Doddridge County, Book 11 Page 464

~~XXXXXX~~ 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) W. E. Bayne Manager of Prod.  
Well Operator

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Consolidated Gas Supply Corporation  
Street  
445 West Main Street  
City or Town  
Clarksburg, W. Va.  
State

See rec plan

RBK

\*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

DODD-1896

PERMIT NUMBER

47-017

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: 5250' ROTARY XXX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Renson  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XXX COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT PUT UP OR SACKS - CUBIC FT.
<del>XXX</del> 16"			
<del>XXXXXX</del> 11"	20'	20'	To surface
	350'	350'	To surface
9 - 5/8			
8 - 5/8	1600'	1600'	<del>XXX</del> Cement to surface
7			
5 1/2			
4 1/2	5250'	5250'	125 Bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80' FEET SALT WATER None FEET  
 APPROXIMATE COAL DEPTHS No coal  
 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



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

Well Operator: CNG Transmission Corporation 10900 526 (7)

Operator's Well Number: 12477 3) Elevation: 1291'

Well type: (a) Oil \_\_\_ / or Gas x /  
(b) If Gas: Production x / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow \_\_\_ /

Issued 06/06/97  
Expires 06/06/99

Proposed Target Formation(s): Injun, Gordon

Proposed Total Depth: Injun - 2122-2142 Gordon 2746-2830 feet

Approximate fresh water strata depths: n/a

Approximate salt water depths: n/a

Approximate coal seam depths: n/a

Does land contain coal seams tributary to active mine? Yes \_\_\_ / No \_\_\_ /

Proposed Well Work: Squeeze cement to cover proposed formation. Perf & Frac proposed formation. Clean well up. Comingle with existing production.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	11.75			359	359	Surface
Fresh Water						
Coal	8.625			1607	1607	Surface
Intermediate						
Production	4.5			5462	5462	305
Tubing						
Liners						

*Existing from Well Records.*

*Squeeze job*

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
Plat  WW-9  WW-2B  Bond \_\_\_\_\_  Agent

23684

02224  
16

MR.

1) Date: 5 26 17  
2) Operator's well number  
CNGT 12477 W  
3) API Well No: 47 - 017 - 01896  
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- |   |  |
|---|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>I.L. (Ike) Morris</u><br/>Address <u>P.O. Box 397</u><br/><u>Glennville, WV 26351</u></p> <p>(b) Name _____<br/>Address _____</p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____<br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____<br/>Address _____</p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____<br/>Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u><br/>Address <u>Rt. 2, Box 135</u><br/><u>Salem, WV 26426-0135</u><br/>Telephone (304) - <u>288-4604</u></p>   |  |

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- x Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator CNG Transmission Corporation  
 By: James D. Blasingame *James D. Blasingame*  
 Its: Designated Agent  
 Address 445 W. Main Street  
Clarksburg, WV 26301  
 Telephone (304) 623-8000

Subscribed and sworn before me this 20th day of May, 1997

Nancy D. Carter Notary Public  
My commission expires 9/26/2003

RB  
MR  
CNG