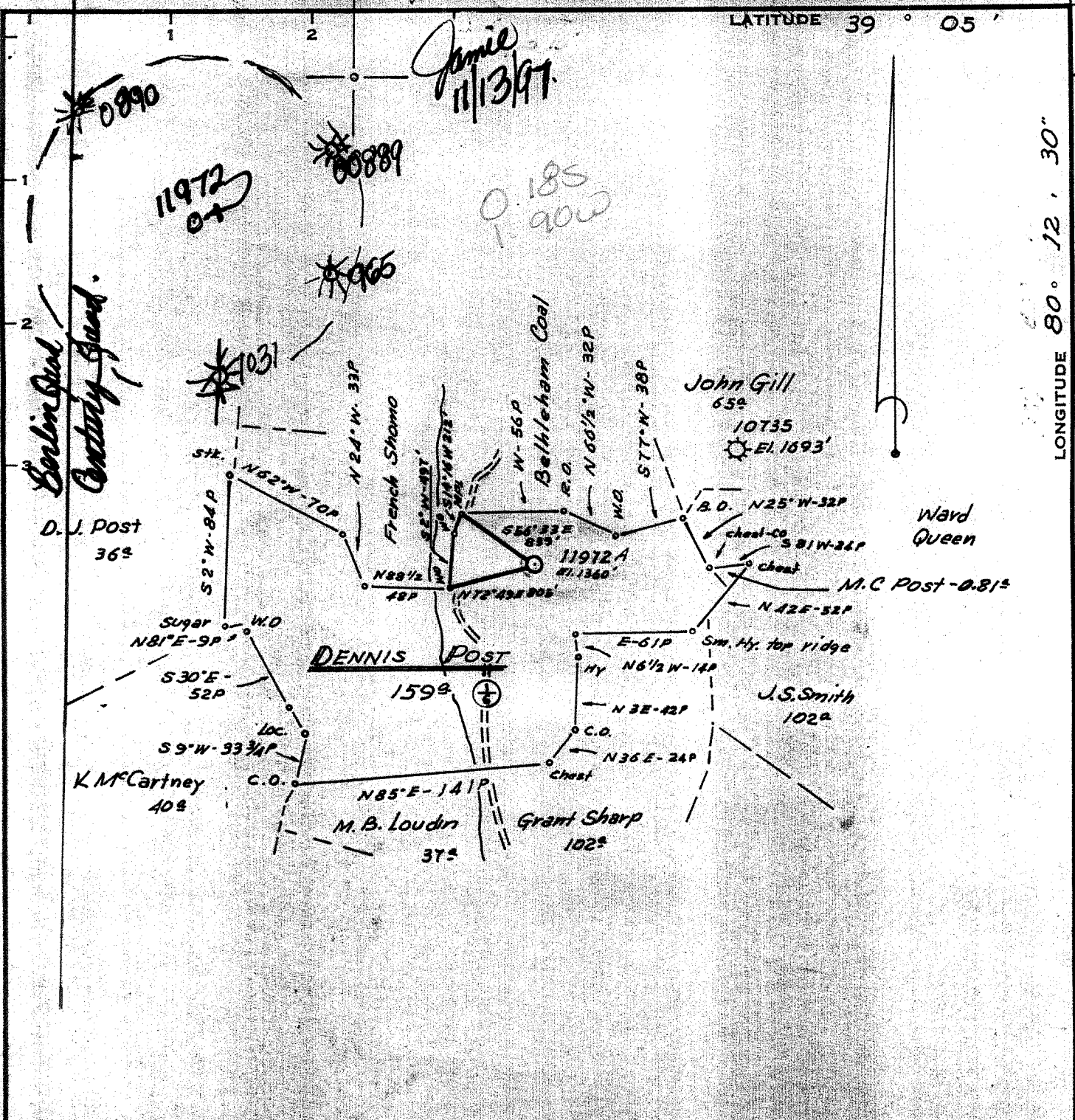


10,100' 7-18-75

LATITUDE 39° 05'

LONGITUDE 80° 12' 30" 1000'



Minimum Error of Closure 1' in 200'  
 Source of Elevation LEVELS FROM CONSOLIDATED GAS SUPPLY CORP. WELL 11636 EL. 1354'  
 "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

CNG Transmission Corporaiton  
 445 WEST MAIN STREET  
 CLARKSBURG, WVA. 26301  
 Surface: Newton C. McMurray

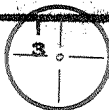
5-A-527-E20 FB 1752 1994 A-6

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

Tract \_\_\_\_\_ Acres 159 Lease No. 81695  
 Well (Farm) No. \_\_\_\_\_ Serial No. 11972  
 Elevation (Spirit Level) 1360'  
 Quadrangle CENTURY, W.V.  
 County UPSHUR District WARREN  
 Engineer Jackson M. Jarvis  
 Engineer's Registration No. 2397  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 7-2-75 Scale 1" = 1320'

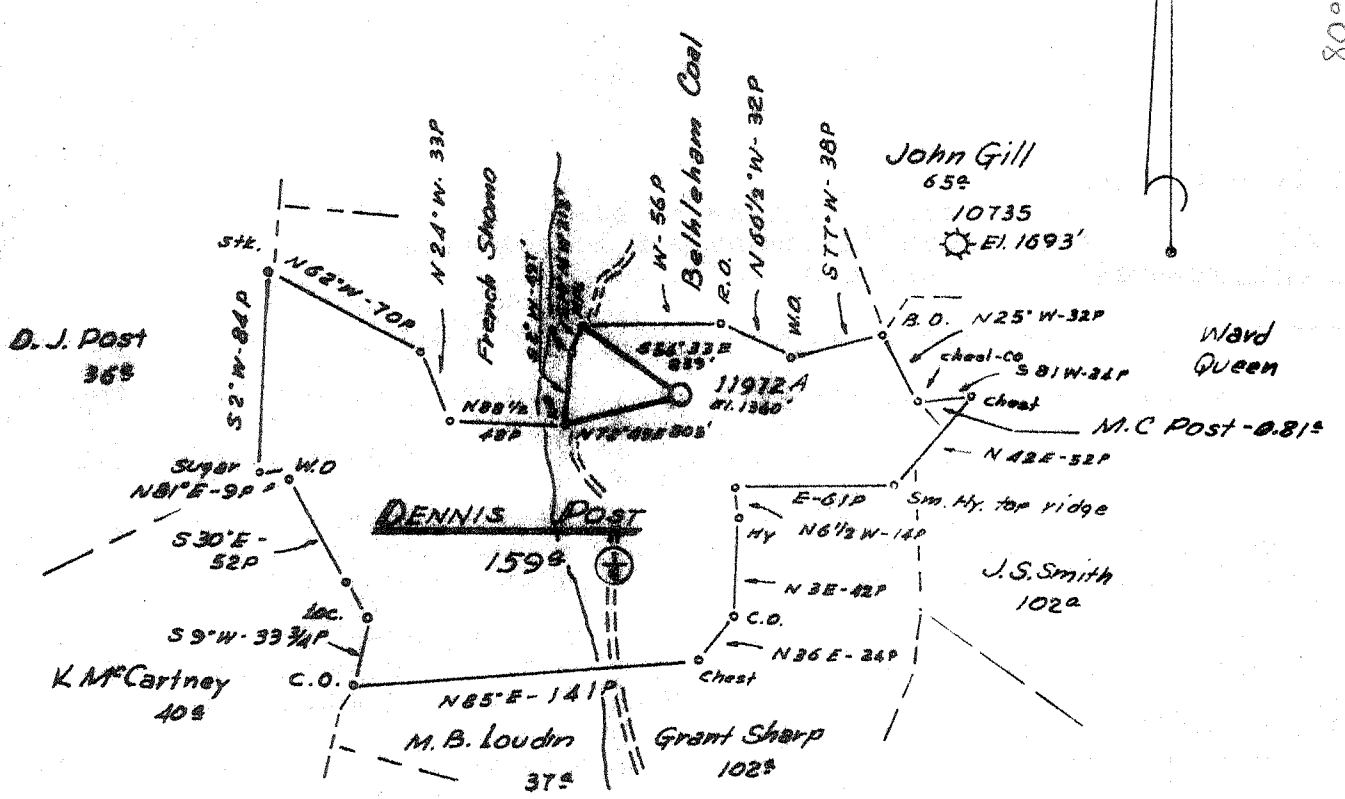
**WELL LOCATION MAP**

Gas Well No. 47-097-01612-7  
Well drilled in 1975 TD. 4570'  
Production from Benson 4398'-4402'  
& Riley 4225'-4235'-Set temp  
plug free fourth sand & beyond.  
Remove plug complete  
 NOV 14 1997



7 1/2' 1.91W

0.20 S 4.18 W



Minimum Error of Closure 1' in 200'  
 Source of Elevation LEVELS from CONSOLIDATED GAS SUPPLY CORP WELL 11636 EM. 1354'  
 "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 56-A S27-E20 FB 1752 PG 4-6

Company CONSOLIDATED GAS SUPPLY CORP.  
 Address CLARKSBURG, W.V.  
 Farm DENNIS POST  
 Tract Acres 159 Lease No. 81695  
 Well (Farm) No. \_\_\_\_\_ Serial No. 11972  
 Elevation (Spirit Level) 1360' Philippi  
 Quadrangle 7th CENTURY, W.V.  
 County UPSHUR District WARREN  
 Engineer JACKSON M. JARVIS  
 Engineer's Registration No. 2397  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 7-2-75 Scale 1" = 1320'

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

SW 15' WELL LOCATION MAP  
 FILE NO. UPS-1612

+ 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.  
 - Denotes one inch square corner line of original tracing.

47-097 JUL 28 1975

WR-35

13-Nov-97  
API # 47- 97-01612 F

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Reviewed JK

Well Operator's Report of Well Work

Farm name: McMURRY, NEWTON C. Operator Well No.: 11972

LOCATION: Elevation: 1,360.00 Quadrangle: CENTURY

District: WARREN County: UPSHUR  
Latitude: 1000 Feet South of 39 Deg. 5 Min. 0 Sec.  
Longitude 10100 Feet West of 80 Deg. 12 Min. 30 Sec.

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

Agent: JAMES D. BLASINGAME

Inspector: TIM BENNETT  
Permit Issued: 11/13/97  
Well work Commenced: 12/5/97  
Well work Completed: 12/16/97  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary \_\_\_\_\_ Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 4501'  
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.

WV DEPT. OF  
Office of Oil & Gas  
Permitting  
FEB 18 1999  
WV Division of  
Environmental Protection

OPEN FLOW DATA

Producing formation Fourth Bayard Pay zone depth (ft) 2386-2394  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \* 150 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 480 psig (surface pressure) after 12 Hours  
\* Commingle 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

\* PLUGGED OFF REWORK ZONES. RE-ESTABLISHED EXISTING PRODUCTION

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.

Brian Sheppard, Sr. Engineer  
For: CNG TRANSMISSION CORP.

By: Brian Sheppard  
Date: 02/16/99

MAR 2 1999

CNGT 11972

12/5/97 - Nipped down wellhead. Sand pumping to make extra pocket.

12/8/97 - Changed top joint of casing. Checked TD at 4501.

12/9/97 - Perforated and BJ fraced with 25# X-link system as follows:

Bayard, 2494 - 2554', 18 holes, pumped 45,000# sand in 506 bbls.

Fourth, 2386 - 2396, 20 holes, pumped 30,000# sand in 384 bbls.

12/10/97 - SICP = 600#. Drilled out frac plug and swabbed well.

12/15/97 - SICP = 775#. Gas test 94 Mcf/d. Drilled out bridge plug. TD hole at 4500".

12/16/97 - SICP = 480#. Swabbed well.

12/16/97 - F.O.F. = 150 Mcf/d - T.B.I.L.

02/13/98 SET SOLID PLUG AT 2560'. SQUEEZED PERFS, 2386 - 2550' THROUGH TUBING WITH 50 SKS CEMENT.

02/19/98 - COMPLETED DRILL OUT CEMENT.

03/12/98 - T.B.I.L.

O.F. = 0 SQUEEZED OFF PERFS. RE-ESTABLISHED EXISTING PRODUCTION.



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

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

Quadrangle Philippi

Permit No. UPS-1612

Company Consolidated Gas Supply Corp.  
Address Clarksburg, WV  
Farm Dennis Post Acres 159  
Location (waters) Hackers Creek  
Well No. 11972 Elev. 1360'  
District Warren County Upshur  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling Commenced 7-22-75  
Drilling Completed 7-30-75  
Initial open flow 36M cu. ft. \_\_\_\_\_ bbls.  
Final production 235M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 14 days ~~hrs~~ before test. 1440 #RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>20-16</u>	29	29	To surface
Cond. <u>1800 11"</u>	276	276	To surface
<u>9 5/8</u>			
<u>8 5/8</u>	2129	2129	To surface
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	4569	4569	500 bags
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Riley 8-7-75 with 50,000# sand, 736 bbl. fluid and 500 gal. acid. Perforations: 4225-4235, 10 holes.

Well fractured in Benson 8-7-75 with 50,000# sand, 725 bbl. water. Perforations: 4398-4402, 16 holes.

Coal was encountered at See log below Feet 60" See log below Inches  
Fresh water 150 410 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Benson - Riley Depth See log

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	380		
Coal			380	385	Water	150' Fresh
Sand & Shale			385	490	Water	410' Fresh
Coal			490	495		
Sand & Shale			495	538		
Coal			538	540		
Sand & Shale			540	560		
Coal			560	570		
Sand & Shale			570	780		
Coal			780	787		
Sand & Shale			787	1450		
Maxton			1450	1470		
Sand & Shale			1470	1650		
Big Lime			1650	1735		
Injun			1735	1840		
Sand & Shale			1840	4200	Gas	3315' Show
<u>Riley</u>			4200	4250	Gas	<u>4225-4235</u>
Sand			4250	4385		
<u>Benson</u>			4385	4410	Gas	<u>4398-4402</u>
TD			4578			

(over)

\* Indicates Electric Log tops in the remarks section.

Consolidated Gas Supply Corporation  
445 West Main Street  
Clarksburg, West Virginia 26301



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JUL 18 1975

OIL & GAS DIV.  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 17, 1975

Surface Owner Newton McCurry, Agt.

Company Consolidated Gas Supply Corporation

Address Rt. #1, Box 182, Buckhannon, WV

Address Clarksburg, W. Va.

Mineral Owner Same

Farm Dennis Post Acres 159

Address \_\_\_\_\_

Location (waters) Hackers Creek

Coal Owner Same

Well No. 11972 Elevation 1360'

Address \_\_\_\_\_

District Warren County Upshur

Coal Operator None

Quadrangle PHILIPPI

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 7-18-75

Deputy Director - Oil & Gas Division

Paul Thomas

INSPECTOR TO BE NOTIFIED Buckhannon, W.Va.

PH: 472-6418 ADDRESS \_\_\_\_\_

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 12-16-71 19   by Dennis Post made to Consol. Gas Sply. and recorded on the 25th day of January 1972, in Upshur County, Book 54 Page 184

XXX 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 as the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) Manager of Production

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505  
AC 304-296-4461

Address  
of  
Well Operator

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

\*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 this 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.

UPS-1612

PERMIT NUMBER

47-097

BLANKET BOND

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

PROPOSED WORK ORDER TO ZZZZX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME S. W. Jack Drilling Company NAME R. E. Bayne  
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 623-3611  
 ESTIMATED DEPTH OF COMPLETED WELL: 4585' ROTARY XXX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Ranson  
 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 - 16"	20'	20'	To surface
11"	250'	250'	To surface
9 - 5/8			
8 - 5/8	2050'	2050'	85 Bags
7			
5 1/2			
4 1/2	4585'	4585'	125 Bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 65' FEET \_\_\_\_\_ SALT WATER None FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS At or near outcrop  
 IS COAL BEING MINED IN THE AREA? None 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  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

24590

- 1) Well Operator: 187 CNG Transmission Corporation 10900 (5) 887
- 2) Operator's Well Number: 11972 3) Elevation: 1360'
- Well type: (a) Oil \_\_\_ / or Gas x / Issued 11/13/97
- (b) If Gas: Production x / Underground Storage \_\_\_ / Expires 11/13/99
- Deep \_\_\_ / Shallow \_\_\_
- Proposed Target Formation(s): 423 Fourth, Bayard
- Proposed Total Depth: 2390', 2492' feet
- 7) Approximate fresh water strata depths: N/A
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No \_\_\_
- 11) Proposed Well Work: Perforate and frac proposed zones. Clean well up. Comingle with existing production
- 12)

RECEIVED  
WV Division of  
Environmental Protection

NOV 12 1997

Permitting  
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS		CEMENT		
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	16"			24	24 (29)	
Fresh Water	11.75		42	276	276	Surface
Coal						
Intermediate	8.675		13	2129	2129	Surface
Production	4.5	K-55	10.5	4570	4570 (4569)	500
Tubing						
liners						

*Electricity from the well*

*Check for squeeze job*

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

For Office of Oil and Gas Use Only

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

MR  
AD





1) Date: Oct. 31, 1997  
2) Operator's well number  
CNGT 11972  
3) API Well No: 47 - 097 - 01612 - F  
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**

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Newton C. McMurry Name \_\_\_\_\_  
Address RR 1, Box 182 Address \_\_\_\_\_  
Buckhannon, WV 26201
- (b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name Newton C. McMurry 1/2 int.  
Address RR 1, Box 182  
Buckhannon, WV 26201
- (c) Name \_\_\_\_\_ Name Barbara A. Hose 1/2 int.  
Address \_\_\_\_\_ Address 1756A Mile Ground Rd  
Morgantown, WV 26505
- 6) Inspector: Tim Bennett (c) Coal Lessee with Declaration  
Address 737 Karl Street Name \_\_\_\_\_  
Weston, WV 26452 Address \_\_\_\_\_  
Telephone (304)- 626-0788

**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: Brian C. Sheppard B.C. Sheppard CDL AB  
Its: Senior Staff Engineer  
Address 445 West Main Street  
Clarksburg, WV 26301  
Telephone (304) 623-8800

Subscribed and sworn before me this 5<sup>th</sup> day of November, 1997

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

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