

3100'
(944.89 M)

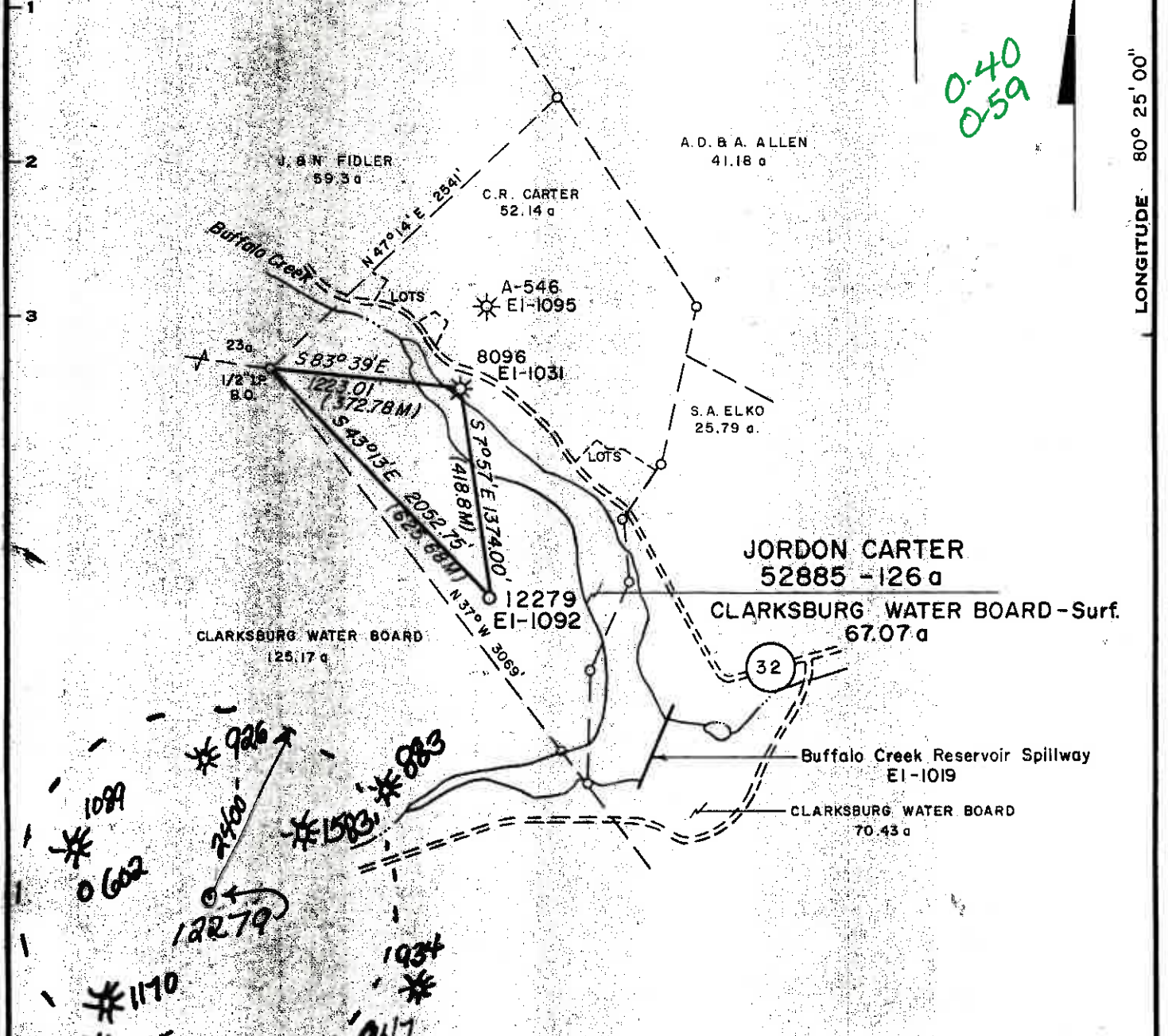
LATITUDE 39° 12' 30"

LONGITUDE 80° 25' 00"

(M82759)
0412

*Janice
9/26/96*

7 1/2'
0.40
0.59



Minimum Error of Closure 1" in 200'

Source of Elevation B.M. C.G.S.C. Well # 8096 E1-1031

"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

F.B. 1835 Pg. 16-18
F.B. 1838 Pg. 17-20 & 31-34

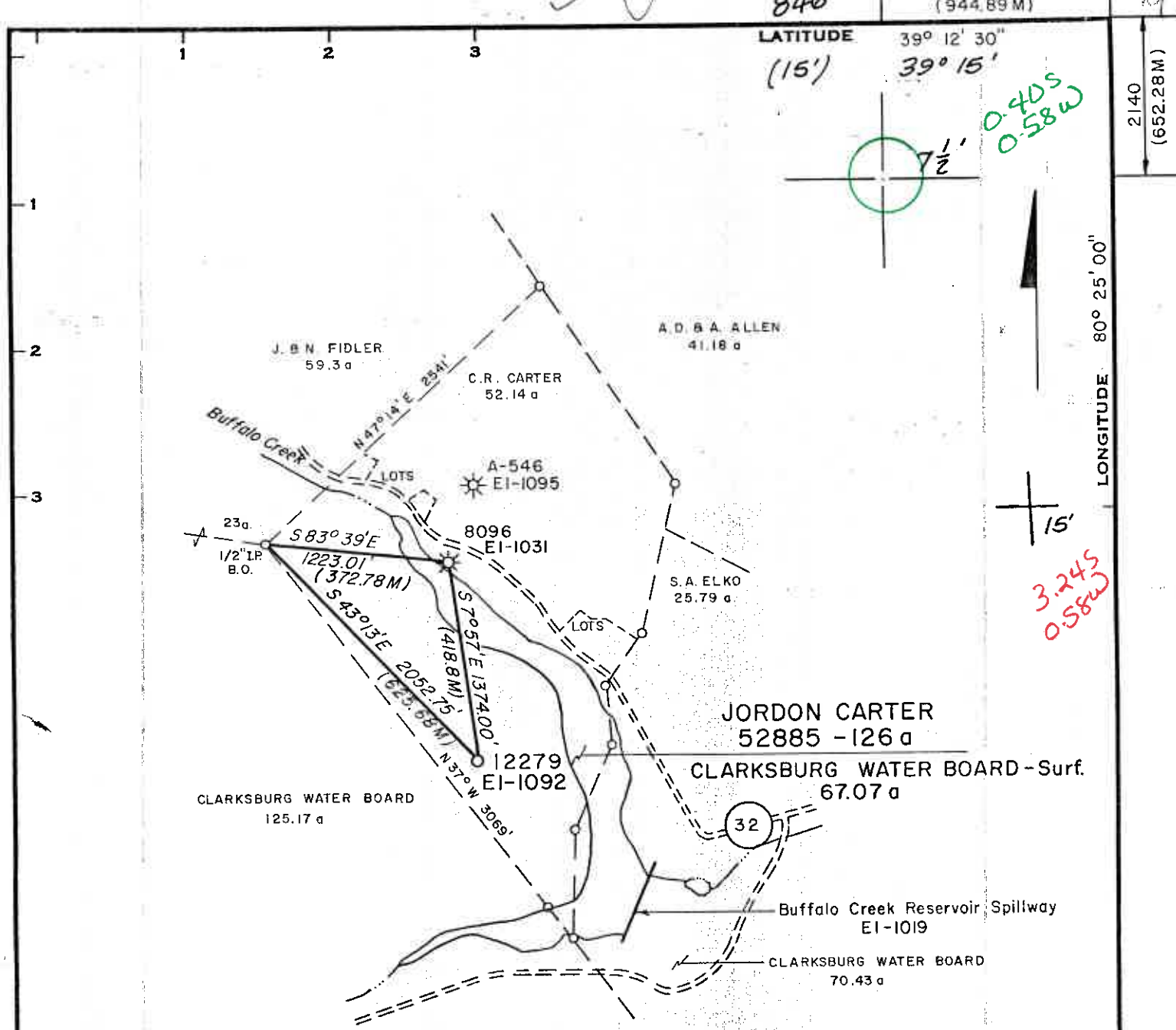
CNG Transmission Corporation
445 West Main Street
Clarksburg, wVa. 26301-2450
Surface: Clarksburg Water Board

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
NITRO, WEST VIRGINIA 25143

Tract	Acres <u>126</u>	Lease No. <u>52885</u>
Well (Farm) No.	Serial No. <u>12279</u>	
Elevation (Spirit Level)	<u>1092</u>	
Quadrangle	<u>West Milford, W. Va. 7 1/2 - 1961</u>	
County	<u>Harrison</u>	District <u>Union</u>
Engineer	<u>Michael S. [Signature]</u>	
Engineer's Registration No.	<u>5525</u>	
File No.	Drawing No. <u>B-399</u>	
Date	<u>5-3-77</u>	Scale <u>1"=1000'</u>

QPL Well No. 47-033-012297
Well drilled in 1978
by Consolidated Gas Supply
TD 4573' Productive
from Riley CNG Transmission
1/2" bore 50 ft 30 ft. pipe and
1" opening casing with Riley
 1447

HAR. 1228-FZAC



Minimum Error of Closure 1" in 200'
 Source of Elevation B.M. C.G.S.C. Well # 8096 EI-1031

"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 55 S18 E10

F.B. 1835 Pg. 16-18
 F.B. 1838 Pg. 17-20 & 31-34

Company Consolidated Gas Supply Corporation
 Address Clarksburg, W. Va.
 Farm J. CARTER (Clarksburg Water Board - Surf.)
 Tract Acres 126 Lease No. 52885
 Well (Farm) No. 12279 Serial No. 12279
 Elevation (Spirit Level) 1092
 Quadrangle West Milford, W. Va. 7 1/2-1961
 County Harrison District Union
 Engineer Michael S. [Signature]
 Engineer's Registration No. 5525
 File No. 5-3-77 Drawing No. 5-399
 Date 5-3-77 Scale 1"=1000'

196

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

WELL LOCATION MAP
 FILE NO. HAR-1228 - Frac.

+ 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 spaces on border line of original tracing.

47-033

450' OWWO - 6-6 Jarvisville (151) 7449

MAY 14 1987

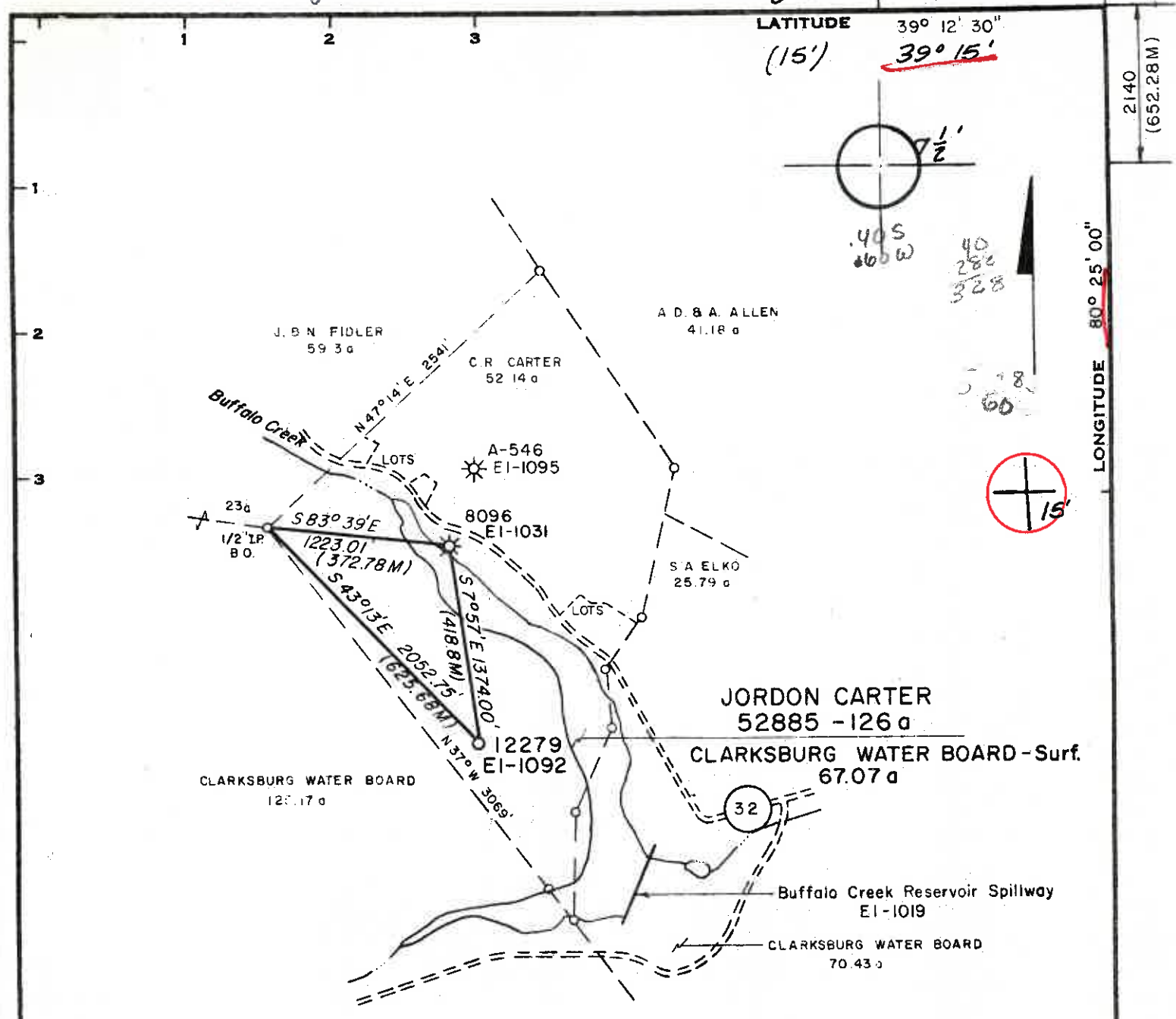
846

3100'
(944.89 M)

LATITUDE 39° 12' 30"
(15') 39° 15'

2140
(652.28 M)

LONGITUDE 80° 25' 00"



Minimum Error of Closure 1" in 200'
 Source of Elevation B.M. C.G.S.C. Well # 8096 EI-1031

"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 55 S18 E10

F.B. 1835 Pg. 16-18
 F.B. 1838 Pg. 17-20 & 31-34

Company Consolidated Gas Supply Corporation
 Address Clarksburg, W. Va.
 Farm J. CARTER (Clarksburg Water Board - Surf.)
 Tract _____ Acres 126 Lease No. 52885
 Well (Farm) No. _____ Serial No. 12279
 Elevation (Spirit Level) 1092
 Quadrangle West Milford, W. Va. 7 1/2 - 1961, WESTON 16'
 County Harrison District Union
 Engineer Michael S. Howard
 Engineer's Registration No. 5525
 File No. _____ Drawing No. _____
 Date 5-3-77 Scale 1"=1000'

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

WELL LOCATION MAP
 FILE NO. HAR-1228

+ 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.
 APR 28 1978

— Denotes one inch spaces on border line of original tracing. 47-033



RECEIVED

AUG 28 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD 7

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

Quadrangle Weston

Permit No. HAR-1228
47-033

Company Consolidated Gas Supply Corp.
Address 445 W. Main St., Clarksburg, WV
Farm Jarden Carter Acres 126
Location (waters) Buffalo Creek
Well No. 12279 Elev. 1092
District Union County Harrison
The surface of tract is owned in fee by _____
Clarksburg Water Board
Address Clarksburg, WV
Mineral rights are owned by Mary Len Hurst, Agt.
610 Illinois Ave., Nutter
Fort, WV
Drilling Commenced May 22, 1978
Drilling Completed May 29, 1978
Initial open flow 207M cu. ft. _____ bbls.
Final production 411M cu. ft. per day _____ bbls.
Well open 1 hrs. before test 320 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>70-16</u>			
Cond. <u>13/16" 11 3/4"</u>	<u>9'</u>	<u>0'</u>	Pulled out. To surface
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1107'</u>	<u>1107'</u>	To surface
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>1381'</u>	<u>1381'</u>	370 sks.
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Riley with 60,000# sand, 750 bbls. of water & 500 gal. 15% HCL.
Perforations: 4230 - 4232' with 1 hole, 4222 - 4224' with 1 hole, 4110 - 4114' with 8 holes and 4078 - 4082' with 4 holes. Total 14 holes.

Coal was encountered at 70' 275' Feet 2 1/2" 72" Inches
Fresh water 72' & 645' Feet _____ Salt Water None Feet _____
Producing Sand Riley Depth 4114'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	5		
Sand & Shale			5	70		
Coal			70	72	Water	72' 1/2" stream
Sandy Shale			72	125		
Red Rock			125	138		
Sand & Shale			138	275		
Coal			275	281		
Sandy Shale & Red Rock			281	450		
Sand & Shale			450	1260		
Little Lime			1260	1280		
Sandy Shale			1280	1305		
Big Lime			1305	1460		
Sand & Shale			1460	4240		
Brown Sand			4240	4260		
Sandy Shale			4260	4420		
Light Brown Sand BENSON			4420	4430		
Sandy Shale			4430	4573	T.D.	
KBM 10' above G. L.						

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 7	Bottom Feet	Oil, Gas or Water	* Remarks
Gamma Ray Log Tops						
Little Lime			1265	1281		
Big Lime			1305	- -		
Big Injun			- -	1178		
Gantz			1698	1715		
Gantz-A			1736	1758		
50'			1800	1866		
30'			1896	1911		
Gordon Stray			1956	- -		
Gordon			- -	2011		
4th			2059	2107		
4th-A			2152	2166		
5th			2213	2234		
Lower 5th			2260	2275		
Bayard			2289	2322		
Upper Speechley			2780	2843		
Speechley			2890	2933		
Balltown			3015	3177		
Bradford			3548	3672		
Benson			4215	4236		
Total Depth				4563		

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

Date August 21,

1978

APPROVED Consolidated Gas Supply Corp. Owner

By *R. E. Rayne* Manager of Prod.
(Signature)

IV-35
(Rev 8-81)



Date January 20, 1988
Operator's
Well No. 12279
Farm Jordan Carter
API No. 47 - 033 - 1228-fr

RECEIVED
State of West Virginia
Department of Mines
Oil and Gas Division
MAR 17 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal /
(If "Gas," Production x / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1092' Watershed Buffalo Creek
District: Union County Harrison Quadrangle West Milford

COMPANY CNG Transmission Corp.
ADDRESS 445 W. Main St., Clarksburg, WV
DESIGNATED AGENT W. A. Fox
ADDRESS 445 W. Main St., Clarksburg, WV
SURFACE OWNER Clarksburg Water Board
ADDRESS 432 W. Main St., Clarksburg, WV
MINERAL RIGHTS OWNER Mary Lou Hurst, Agent
ADDRESS 610 Illinois Ave., Nutter Fort, WV 26301
OIL AND GAS INSPECTOR FOR THIS WORK Stephen
Casey Rt. 2, Box 232-D
ADDRESS Jane Lew, WV 26378
PERMIT ISSUED April 27, 1987
Stimulation
DRILLING COMMENCED July 6, 1987
Stimulation
DRILLING COMPLETED July 29, 1987
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
11 3/4 12-10"		271	130 sks
9 5/8			
8 5/8		1107	230 sks
7			
5 1/2			
4 1/2		4353	350 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Balltown - coningled w/Riley & Benson Depth see perf. feet
Depth of completed well 4563 feet Rotary / Cable Tools
Water strata depth: Fresh 70 feet; Salt feet
Coal seam depths: 70-72 & 275-281 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Balltown, Riley & Benson Pay zone depth see perf. feet
Gas: Initial open flow n/t Mcf/d Oil: Initial open flow Bbl/d
Final open flow 769 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests n/t hours
Static rock pressure 720 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

MAR 18 1988

Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

May 1978

Riley & Benson - Perforations - 4230-4232, 4222-4224, 4110-4114 & 4078-4082 with 14 holes.
Fractured with 60,000# sand, 750 bbls. of water & 500 gal. 15% HCL.

new zone completed

Balltown - Perforations - 3130-3134, 3144-3148 & 3154-3158 with 24 holes.
Fractured with 70,000# sand, 700 bbls. of water & 500 gal. 15% acid

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Coal			70	72	
Coal			275	281	
Little Lime			1265	1281	
Big Lime			1305	- -	
Big Injun			- -	1478	
Gantz			1698	1715	
Gantz A			1736	1758	
Fifty Foot			1800	1836	
Thirty Foot			1896	1911	
Gordon Stray			1956	- -	
Gordon			- -	2044	
Fourth			2059	2107	
Fourth A			2152	2166	
Fifth			2213	2234	
Lower Fifth			2260	2275	
Bayard			2289	2322	
Upper Speechley			2780	2843	
Speechley			2890	2933	
Balltown			3015	3177	
Bradford			3548	3672	
Benson			4215	4236	

RECEIVED
MAR 17 1988
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

CNG Transmission Corp.
Well Operator

By: *J. L. Quinn* / Manager of Production
Date: January 25, 1988

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

RECEIVED
07/27/97
Division of Oil and Gas

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Permitting
Office of Oil and Gas
Operator's Report of Well Work

Farm name: Jordan Carter

Operator Well No.: WEV12279

LOCATION: Elevation: 1031' Quadrangle: West Milford

District: Union County: Harrison
Latitude: 2140 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude: 3100' Feet West of 80 Deg. 25 Min. 00 Sec.

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

Agent: JAMES D. BLASINGAME

Inspector: Tim Bennett
Permit Issued: 08/31/96
Well work Commenced: 06/11/97
Well work Completed: 06/24/97
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet)
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

Speechley 5th Sand 50 Ft. 2834-2916'
2211-2266'
1807-1906'

Producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow* 386 _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 4 _____ Hours
 Static rock Pressure 110 _____ 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

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: Bin C. Appert
CNG TRANSMISSION CORP.
By: Sr. Staff Engineer
Date: 2-23-98 MAR 06 1998

CNGT 12279 Workover

- 6/11/97 - Replaced top joint of 4.5" csg.. Checked T.D.
- 6/12/97 - Set bridge plug at 2370'. Shot 4 squeeze holes at 1964'.
Cemented with 125 sks. Displaced plug to 1958'.
- 6/13/97 - Drilled out wiper plug.
- 6/17/97 - Perforated and Fraced as follows:
Speechley, 2834-2916', 20 holes., 30,000# sand in 309 bbls.
Fifth Sand, 2211-2266', 22 holes, 34,000# sand in 365 bbls.
50 Ft., 1807-1906', 22 holes, 36,000# sand in 318 bbls.
- 6/18/97 - Drilled up frac plugs to 2850'.
- 6/19/97 - T.D. hole @ 2880'.
- 6/24/97 - Drilled out bridge plug.
F.O.F. - 386 Mcf/d - 110#.
- 6/30/97 - T.B.I.L.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
APR 21 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 April 11, 1978

Surface Owner Clarksburg Water Board

Company Consolidated Gas Supply Corporation

Address Clarksburg, W. Va.

Address Clarksburg, W. Va.

Mineral Owner Mary Lou Hurst, Agt.

Farm Jordon Carter Acres 126

Address 610 Illinois Ave., Nutter Fort, WV

Location (waters) Buffalo Creek

Coal Owner None

Well No. 12279 Elevation 1092'

Address _____

District Union County Harrison

Coal Operator None

Quadrangle WESTON

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 8-24-78

INSPECTOR

TO BE NOTIFIED Paul Garrett

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

PHONE 622-3871

Robert J. Jordan
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 8-6-01 19 by Jordon Carter made to Hope Natural Gas Co. and recorded on the 21st day of June 1905 in Harrison County, Book 148 Page 170

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 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:

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

Very truly yours,

(Sign Name) R. E. Bayne Manager of Prod.
Well Operator

See Rec Plan

*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

HAR-1228 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47 033

Signed by R. E. Bayne

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

PROPOSED WORK ORDER TO XXX 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: 4500' ROTARY XXXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 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.
XXX 16"	20'	20'	To surface
13 - 10			
9 - 5/8			
XXX 11"	250'	250'	To surface
XXX 8"	1000'	1000'	To surface
5 1/2			
4 1/2	4500'	4500'	150 Bags
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.

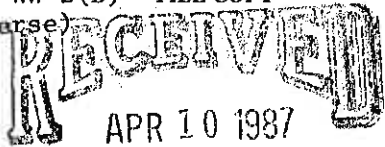
Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

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



1) Date: April 1, 19 87
 2) Operator's Well No. 12279
 3) API Well No. 47 State 033 County 1228-PRAC Permit

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

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production Underground storage Deep Shallow
 5) LOCATION: Elevation: 1092' Watershed: Buffalo Creek
 District: Union County: Harrison 033 Quadrangle: West Milford 608
 6) WELL OPERATOR CGTC CODE: 10900 7) DESIGNATED AGENT W. A. Fox
 Address: 445 West Main Street Address: 445 West Main Street
Clarksburg, West Virginia Clarksburg, West Virginia
 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name: Stephen Casey 9) DRILLING CONTRACTOR:
 Address: Rt. 2, Box 232-D Name: Unknown at this time.
Jane Lew, WV 26378 Address: _____
 10) PROPOSED WELL WORK: Drill Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Balltown Comingle with Benson
 12) Estimated depth of completed well, 4563 ~~4563~~ 4563 feet
 13) Approximate trata depths: Fresh, 70 & 645 feet; salt, _____ feet.
 14) Approximate coal seam depths: 70-72 & 275-281 Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	16						9		Kinds
Fresh water	11 3/4						271	To surface	
Coal	8 5/8						1107	To surface	Sizes
Intermediate									
Production	4 1/2						4353	350 sks.	Depths set
Tubing									
Liners									Perforations: Top Bottom
									Unknown at this time.

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-1228-FRAC

Date April 27 19 87

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires ~~4-27-89~~ 4-27-89 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Gasing: <input checked="" type="checkbox"/>	Fee: <u>38073</u> <u>38074</u> <u>193</u>	WPCP: <input checked="" type="checkbox"/>	SAE: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

RECEIVED
WV Division of
Environmental Protection

AUG 22 1996

- 1) Date: _____
- 2) Operator's well number
12279
- 3) API Well No: 47 - 033 - 01228 - 1
State County Permit

Permitting
Office of Oil and Gas
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:
 - (a) Name Clarksburg Water Board
Address P. O. Box 2643
Clarksburg, WV 26301
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name None
Address _____
 - (b) Coal Owner(s) with Declaration
 - Name None
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
 - Name None
Address _____
- 6) Inspector Tim Bennett
Address 737 Karl Street
Weston, WV 26452
Telephone (304) - _____

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

_____ 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)
- 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: [Signature]
Its: Asst. Vice President
Address 445 W. Main Street
Clarksburg, WV 26301
Telephone (304) 623-8000

OFFICIAL SEAL
Notary Public, State of West Virginia
CATHY J. DONNELLAN
CNG Transmission
P. O. Box 2450
Clarksburg, WV 26302-2450
My Commission Expires May 13, 2004

Subscribed and sworn before me this 13 day of August, 1996

[Signature] Notary Public
My commission expires May 13, 2004