

Junie 8/30/89

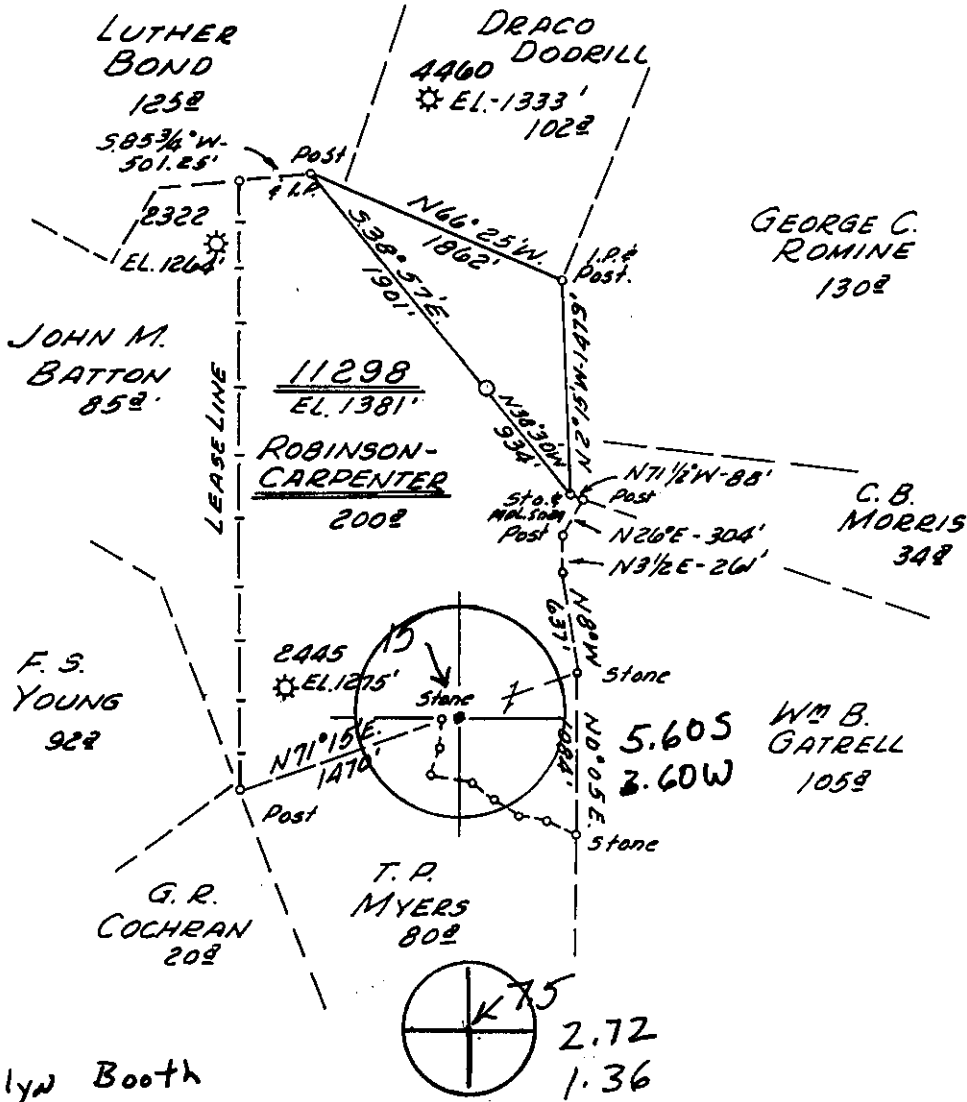
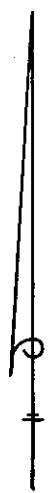
LATITUDE 39 ° 15

39° 12' 30"

7.5
80° 17' 30"

LONGITUDE 80 ° 15

29,150±75



William + Evelyn Booth

Minimum Error of Closure 1' IN 200'

Source of Elevation INTERSECTION HASTINGS RUN ROAD AND W.VA. SLS RT. 25 ELEVATION 1167'

"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."

Frac 9/11/89

REDRILL 6/2/77

New Location

Drill Deeper

Abandonment

~~Wood 9-17-70~~

MAP SHEET 56, S20-E16 F.B. 1569 PG. 30-31 & 39-40

Company CNG Transmission Corp. 1817
 Address 445 W. Main Street, Clarksburg, W. Va. 26301
 Farm ROBINSON-CARPENTER
 Tract _____ Acres 200 Lease No. 8481
 Well (Farm) No. _____ Serial No. 11298
 Elevation (Spirit Level) 1381'
 Quadrangle WESTON 15 / MOUNT CHAPE 7.5
 County HARRISON District GRANT 6
 Engineer Guy H. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date AUG. 7, 1970 Scale 1" = 1320'

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

WELL LOCATION MAP

FILE NO. Harr-549-F

RED- Frac

+ 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.

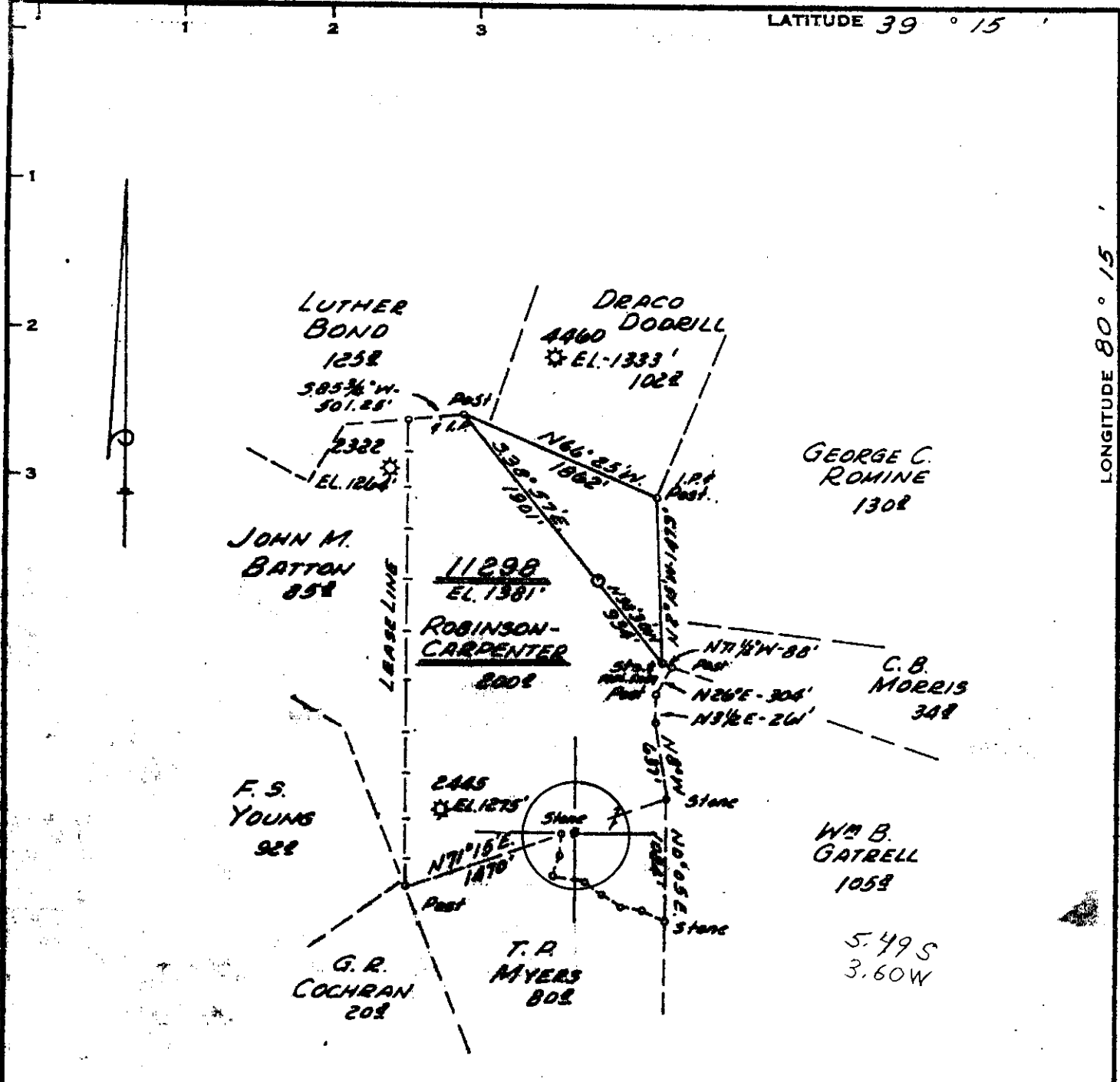
SEP 15 1989

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

47-033

OWWO 4431' 6-6 Weston-Jano Low (153)

5698



Minimum Error of Closure 1' IN 200'
 Source of Elevation INTERSECTION HASTINGS RUN ROAD AND W.VA. SLS RT. 25 ELEVATION 1167'
 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."

REDRILL 6/2/77

Well Location
 Drill Deeper
 Abandonment

~~Worked 9-17-70~~
 MAP SHEET 56, S20-E16 F.B. 1569 PG. 30-31 & 39-40

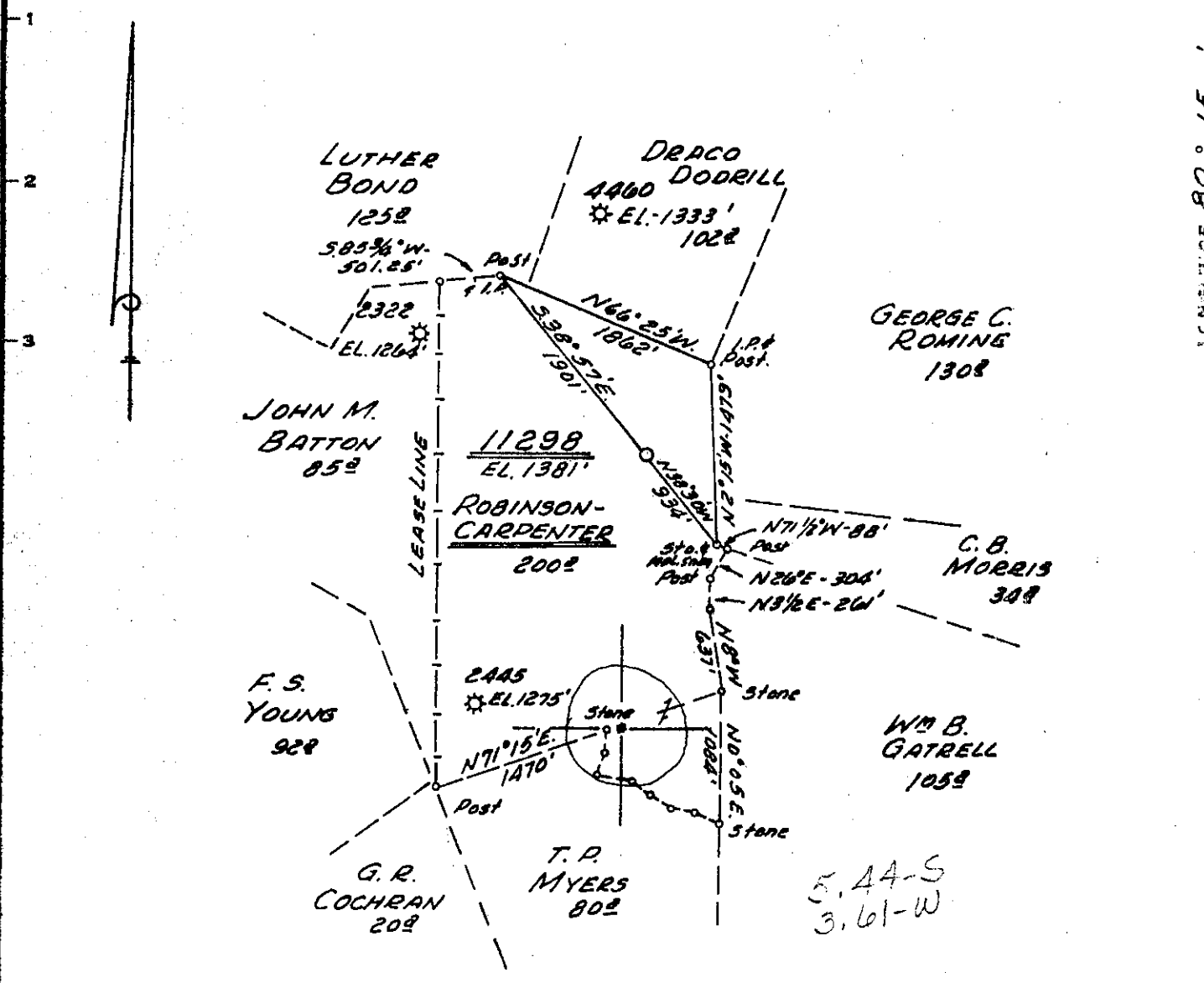
Company CONSOLIDATED GAS SUPPLY CORP
 Address CLARKSBURG, WEST VA.
 Farm ROBINSON-CARPENTER
 Tract _____ Acres 200 Lease No. 8481
 Well (Farm) No. _____ Serial No. 11298
 Elevation (Spirit Level) 1381'
 Quadrangle WESTON NE
 County HARRISON District GRANT
 Engineer Guy H. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date AUG. 7, 1970 Scale 1"=1320'

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

WELL LOCATION MAP W
 FILE NO. Harr-549
RED-
 + 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.

47-033 JUN 21 1977

Owwo 6-6 Weston lease (153)



New Location
 Drill Deeper
 Abandonment

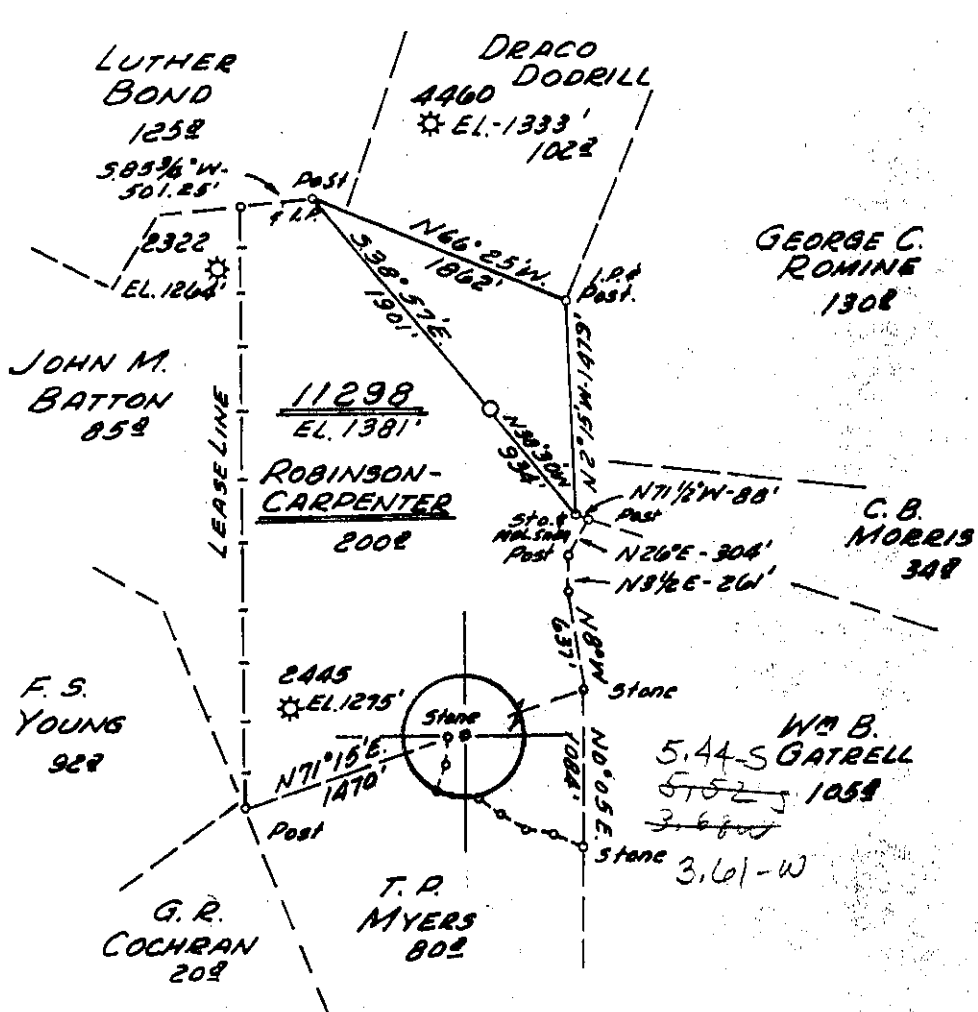
Issued 9-17-70
 MAP SHEET 56, 520-E16 F.B. 1569 PG. 30-31 & 39-40

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VA.
 Farm ROBINSON-CARPENTER
 Tract _____ Acres 200 Lease No. 8481
 Well (Farm) No. _____ Serial No. 11298
 Elevation (Spirit Level) 1381'
 Quadrangle WESTON NE
 County HARRISON District GRANT
 Engineer Guy H. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date AUG. 7, 1970 Scale 1"=1320'

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

WELL LOCATION MAP
 FILE NO. Harr-549-F

+ 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.



Minimum Error of Closure 1' IN 200'
 Source of Elevation INTERSECTION HASTINGS RUN ROAD AND W.VA. 515 RT. 85 ELEVATION 1167'
 "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, 520-E16 F.B. 1569 PG. 30-31 & 39-40

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VA.
 Farm ROBINSON-CARPENTER
 Tract _____ Acres 200 Lease No. 8481
 Well (Farm) No. _____ Serial No. 11298
 Elevation (Spirit Level) 1381'
 Quadrangle WESTON **(WF)**
 County HARRISON District GRANT
 Engineer Guy H. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date AUG. 7, 1970 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. Harr-549

+ 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.

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

Well Operator's Report of Well Work

Farm name: BOOTH, WILLIAM & EVELYN Operator Well No.: 11298/5051

LOCATION: Elevation: 1381.00 Quadrangle: WESTON

District: GRANT County: HARRISON
Latitude: 14470 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 7250 Feet West of 80 Deg. 17 Min. 30 Sec.

Company: CNG TRANSMISSION CORP.
445 WEST MAIN ST
CLARKSBURG, WV 26302-2450

Agent: GLENN A. KNEPPER

Inspector: STEVE CASEY
Permit Issued: 09/11/89
Well work Commenced: 11/25/89
Well work Completed: 12/05/89
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) _____
Fresh water depths (ft) 15' - 650'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): 225 - 230'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8		345'	
8 5/8"		2037	
4 1/2"		4463'	

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FEB 15 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Balltown Pay zone depth (ft) 3259-3264
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 133 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 50 psig (surface pressure) after 1 Hours

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: _____
Date: _____

FEB 23 1990

001-549F

Perforated Balltown 3259 - 3264, 15 holes, .39 HSC
Nowsco Frac with 30# Gel System - Break 1090, 35 bbl min., Avg. Pres. 2000#,
Max Tr Pres. 2650#, Total Sand 55,000#, Max Conc. 5# per gal, Total Acid
500 gal, Total Fluid 758 bbl, SL Fluid 706, ISIP 800#, 5 min SI 790#.

Sand	558 - 580
1st Salt	813 - 935
2nd Salt	975 - 1027
3rd Salt	1072 - 1146
Little Lime	1374 - 1390
Big Lime	1417 - 1492
Big Injun	1492 - 1588
Gantz	1808 - 1843
Gantz A	1857 - 1881
50 Foot	1900 - 1999
5th	2349 - 2374
Benson	4400 - 4405

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FEB 15 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



SEP 21 1970

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

Rotary XXXX

Spudder

Cable Tools

Storage

Oil or Gas Well Dry
(KIND)

Quadrangle WESTON

Permit No. HAR-519

WELL RECORD

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm Robinson-Carpenter Acres 200
Location (waters) _____
Well No. 11298 Elev. 1381'
District Grant County Harrison
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 9-8-70
Drilling completed 9-16-70
Date Shot Not shot From _____ To _____
With _____
Open Flow None /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Dry Cu. Ft.
Rock Pressure None lbs. hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) No
WELL FRACTURED (DETAILS) No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	3 1/4"	3 1/4"	
8-5/8"	2035'	2035'	Size of
8 1/4"			
6 3/8"			Depth set
5 3/16"			
4 1/2"			
3"			Perf. top
2"			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record. 8" & 13" to surface
CASING CEMENTED 5 SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) Halliburton
Name of Service Co. _____
COAL WAS ENCOUNTERED AT 225 FEET 36 INCHES
330 FEET 60" INCHES 645 FEET 60 INCHES
655 FEET 60 INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____

ROCK PRESSURE AFTER TREATMENT _____ HOURS _____

Fresh Water 15', 60', 650' Feet _____

Salt Water None Feet _____

Producing Sand Dry & Abandoned (Benson) Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale & Red Rock			0	225	Water	15'	
Coal			225	228	Water	60'	
Shale & Red Rock			228	330			
Coal			330	335			
Sand & Shale			335	645			
Coal			645	650			
Shale			650	655	Water	650'	
Coal			655	660			
Sand & Shale			660	895			
Salt Sand			895	1115		1425	
Little Lime			1115	1390		1381'	
Lime & Shale			1390	1425		- 42	
Big Lime			1425	1505			
Big Injun			1505	1590			
Sand & Shale			1590	1820			
Gantz			1820	1860			
Sand & Shale			1860	2150			
Gordon			2150	2180			
Sand & Shale			2180	2350			
5th Sand			2350	2378	Gas	2382	Smell
Sand & Shale			2378	4362			
Benson			4362	4366	No gas in Benson		
Total Depth				4510'			

CONSOLIDATED GAS SUPPLY CORPORATION

145 West Main Street
Clarksburg, W. Va.



RECEIVED

JUN - 2 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 31, 1977

Surface Owner Harold Springer

Company Consolidated Gas Supply Corporation

Address Telegram Bldg., Clarksburg, WV

Address Clarksburg, W. Va.

Mineral Owner Same

Farm Robinson-Carpenter Acres 200

Address _____

Location (waters) _____

Coal Owner Same

Well No. 11298 Elevation 1331'

Address _____

District Grant 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 redrilling. This permit shall expire if operations have not commenced by 10-2-77.

INSPECTOR

TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech Street, Clarksburg, WV

PHONE 622-3871

Robert I. [Signature]
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 See OG-1 19 by made to and recorded on the day of 19 , in County, Book Page

 NEW WELL DRILL DEEPER XX 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

Very truly yours,
(Sign Name) A. C. Payne 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

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

Signed by A. C. Payne

HAR-549-P -RED. PERMIT NUMBER

47-033

[Signature]

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

PROPOSED WORK ORDER TO XX Re-DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Chisler Bros. _____ NAME R. E. Bayne _____
 ADDRESS Pentress, W. Va. _____ ADDRESS Bridgeport, W. Va. _____
 TELEPHONE --- _____ TELEPHONE 623-3611 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 4501' _____ ROTARY _____ CABLE TOOLS XXX _____
 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.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2	<u>4501'</u>	<u>4501'</u>	<u>125 Bags</u>
3			<u>Perf. Top</u>
2			<u>Perf. Bottom</u>
Liners			<u>Perf. Top</u>
			<u>Perf. Bottom</u>

APPROXIMATE FRESH WATER DEPTHS 15 & 60 FEET _____ SALT WATER 650-752 FEET _____
 APPROXIMATE COAL DEPTHS See OG-10 _____
 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**

- 1) Well Operator: CNG TRANSMISSION CORPORATION ¹⁸¹⁷ 10900 (6) 669
- 2) Operator's Well Number: 11298 3) Elevation: 1381'
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage
 Deep / Shallow
- 5) Proposed Target Formation(s): Balltown⁴³³
- 6) Proposed Total Depth: 4431' feet
- 7) Approximate fresh water strata depths: 15 - 655'
- 8) Approximate salt water depths: NO REPORT
- 9) Approximate coal seam depths: 220' - 665'
- 10) Does land contain coal seams tributary to active mine? Yes / No
- 11) Proposed Well Work: Stimulate Balltown (3255' to 3265') and commingle production
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	13 3/8"	Existing			344'	
Coal						
Intermediate	8 5/8"	Existing			2035'	
Production	4 1/2"				4497'	280 Sacks
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

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 AUG 23 1989

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

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

210554

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AUG 23 1989

Page 1 of 2
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: July 24, 1989
2) Operator's well number
11298
3) API Well No: 47 - 033 - 549 - F
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name William and Evelyn Booth
Address Rt 2, Box 211-A
Jane Lew, WV 26378
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Maude H. Robinson, et al
Address c/o Lucy Courtney, Rt 1, Box 11
Salem, WV 26426
Name _____
Address _____

6) Inspector Mr. Stephen Casey
Address Route 2, Box 232-D
Jane Lew, WV 26378
Telephone (304)- 884-7470

(c) Coal Lessee with Declaration
Name _____
Address _____

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 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B 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 22B 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: _____
Its: MANAGER OF PRODUCTION
Address 445 W. Main Street
Clarksburg WV 26301
Telephone 623-8000



Subscribed and sworn before me this 24th day of July, 1989
Felicia M. Caputo Notary Public
My commission expires January 20, 1998