

Latitude

Longitude

2.19s
.84w

Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company _____

Farm _____

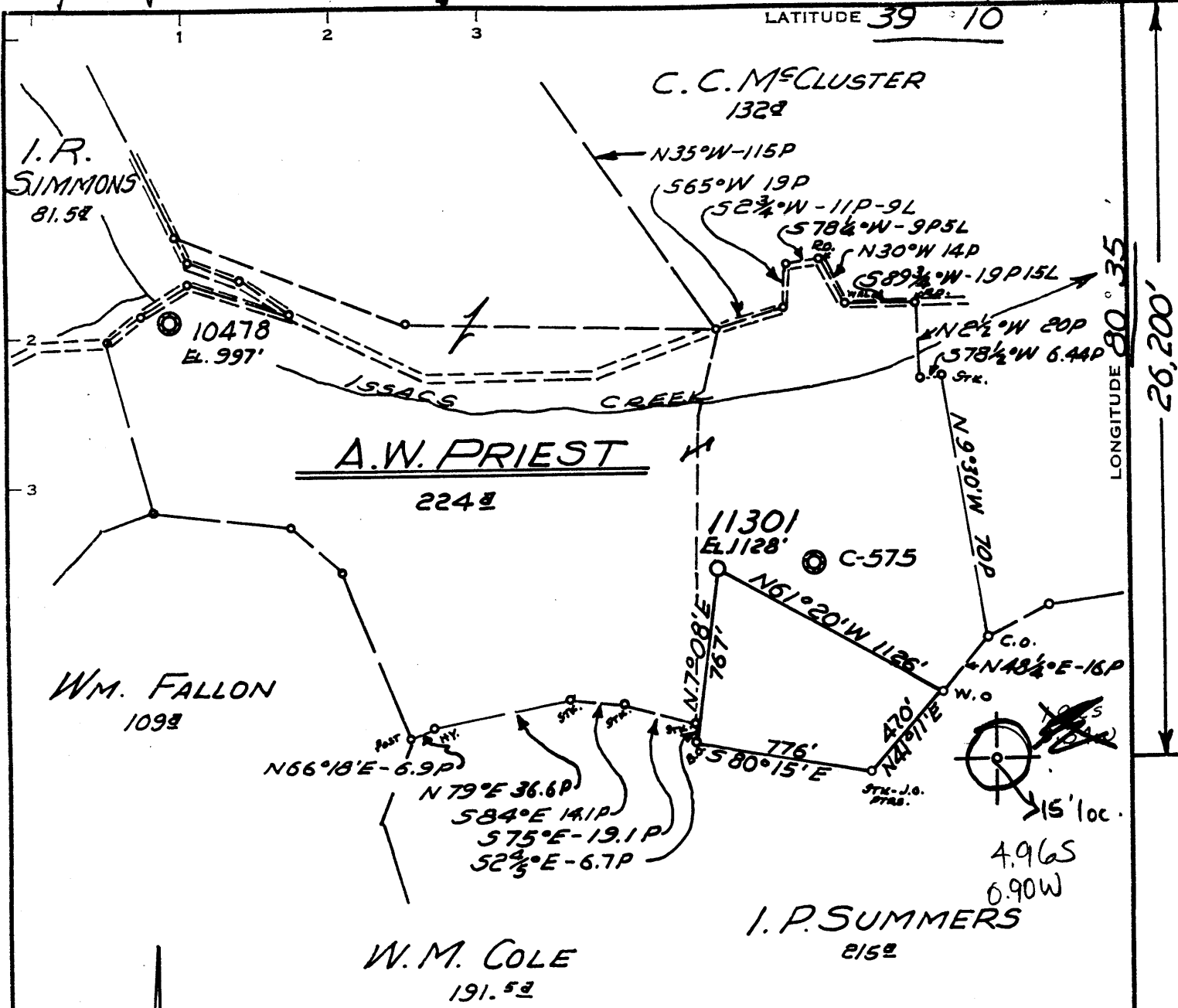
15' Quad _____
(sec.)

7.5' Quad Camden

District Freemans Creek

WELL LOCATION PLAT

County 041 Permit 1769



Minimum Error of Closure 1' IN 200'
 Source of Elevation LEVELS FROM ROAD FORKS IN CHURCHVILLE, W. VA. ELV. 930'
 "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 - - 7/18/83

New Location
 Drill Deeper
 Abandonment

Issued 8-11-70
MAP SHEET 69 525 W1 F.B. 1576 Pg. 1-4

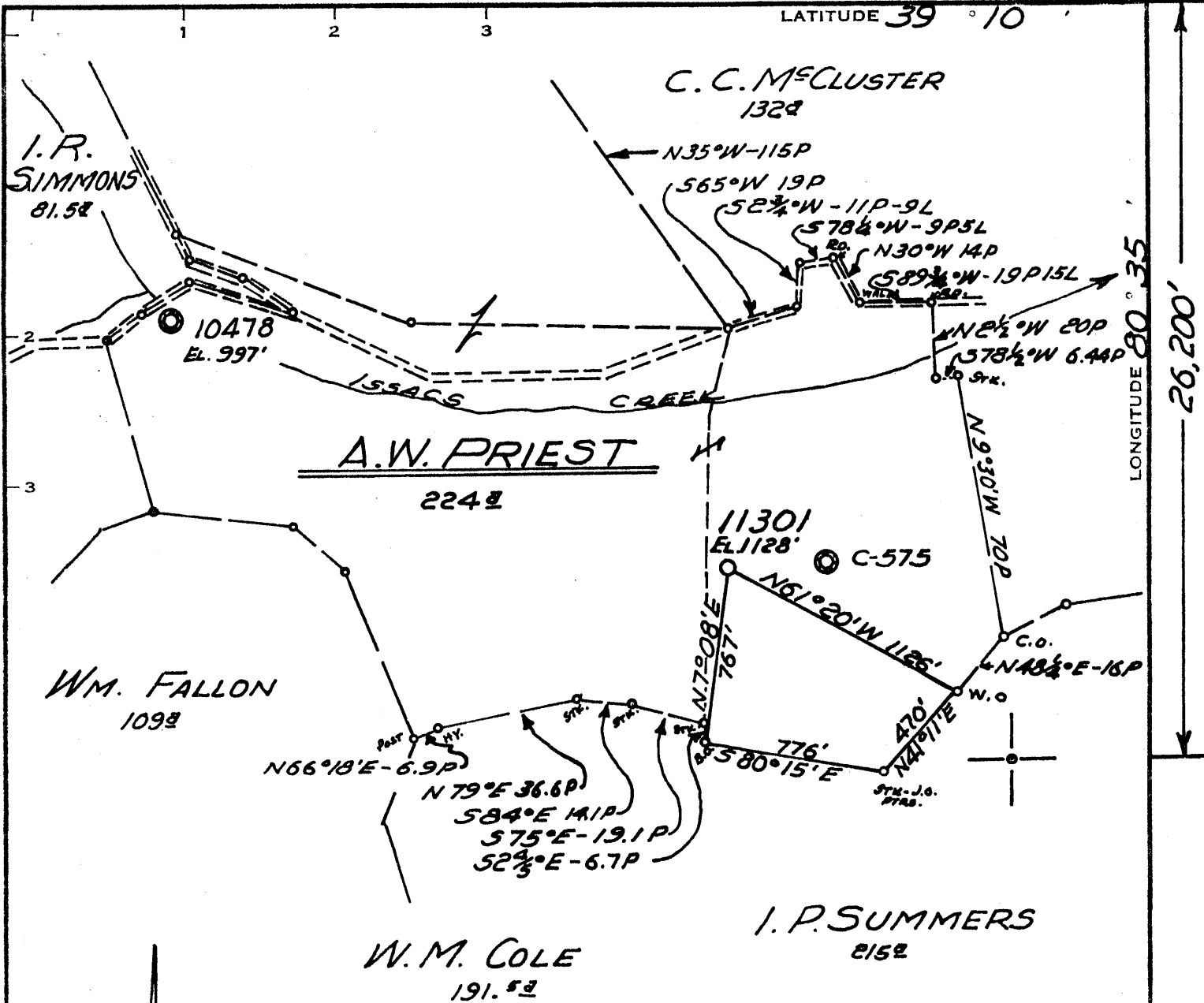
Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VIRGINIA
 Farm A. W. PRIEST
 Tract _____ Acres 224 Lease No. 46529
 Well (Farm) No. _____ Serial No. 11301
 Elevation (Spirit Level) 1128'
 Quadrangle VADIS C 415' C
 County LEWIS District FREEMANS CREEK
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date JULY 13, 1970 Scale 1" = 40P

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION **JUL 25 1983**
 CHARLESTON

WELL LOCATION MAP
 FILE NO. LEW-1769-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. **47-041**

DWVO - 3/50' Speech by G-D Murphy Creek (Freemansburg) 5677



Minimum Error of Closure 1' IN 200'
 Source of Elevation LEVELS FROM ROAD FORKS IN CHURCHVILLE, W.VA. ELV. 930'

"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

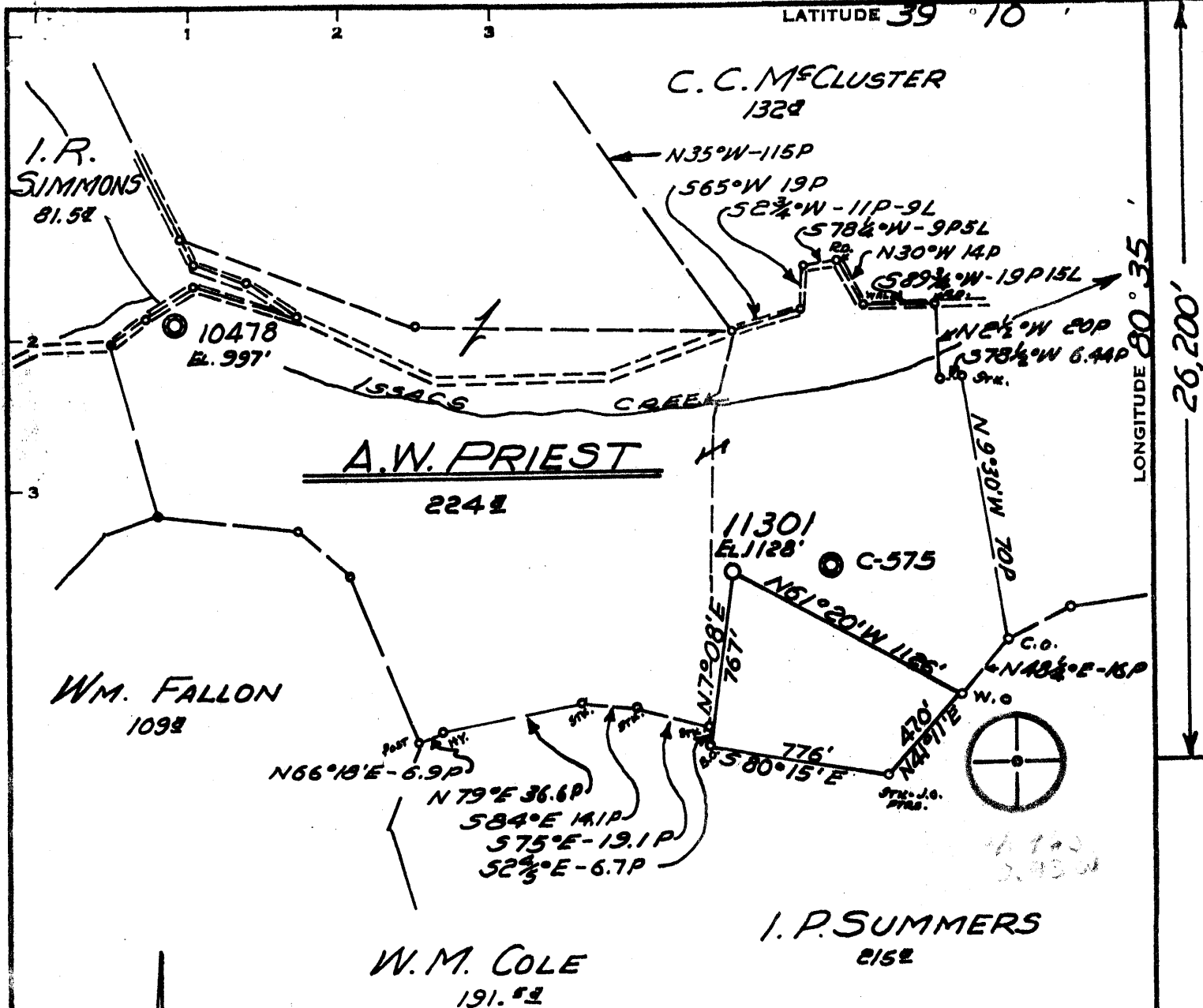
Issued 8-11-70
 MAP SHEET 69.525 W1 F.B. 1576 Pg. 1-4

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VIRGINIA
 Farm A. W. PRIEST
 Tract _____ Acres 224 Lease No. 46529
 Well (Farm) No. _____ Serial No. 11301
 Elevation (Spirit Level) 1128'
 Quadrangle VADIS C
 County LEWIS District FREEMANS CREEK
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date JULY 13, 1970 Scale 1" = 40P

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

WELL LOCATION MAP
 FILE NO. lew-1769-P

+ 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 LEVELS FROM ROAD FORKS IN CHURCHVILLE, W. VA. ELEV. 930'

"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 69 525 W1 F.B. 1576 Pg. 1-4

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VIRGINIA
 Farm A. W. PRIEST
 Tract 224 Acres 224 Lease No. 46529
 Well (Farm) No. 11301 Serial No. 11301
 Elevation (Spirit Level) 1128'
 Quadrangle VADIS C
 County LEWIS District FREEMANS CREEK
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date JULY 13, 1970 Scale 1" = 40P

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

WELL LOCATION MAP
 FILE NO. new-1769

- + 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.

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JAN 30 1984



OIL & GAS DIVISION

DEPT. OF MINES

IV-35 (Rev 8-81)

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FEB 14 1984

State of West Virginia Department of Mines Oil and Gas Division

Date September 8, 1983 Operator's Well No. 11301 Farm A. W. Priest API No. 17 - 041 - 1769-RED

OIL & GAS DIVISION

DEPT. OF MINES

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: 1128' Watershed Issacs Creek District: Freemans Creek County Lewis Quadrangle Vadis

COMPANY Consolidated Gas Supply Corp. ADDRESS 145 W. Main St., Clarksburg, WV DESIGNATED AGENT L. Joseph Timms, Jr. ADDRESS 145 W. Main St., Clarksburg, WV SURFACE OWNER Harold Rabuck ADDRESS Rt. 1, Camden, WV 26338 MINERAL RIGHTS OWNER Walter R. Simmons et al ADDRESS Island Ave., Buckhannon, WV 26201 OIL AND GAS INSPECTOR FOR THIS WORK Robert Bates ADDRESS 109 Minnich St. Weston, WV 26452 PERMIT ISSUED July 18, 1983

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 11 3/4, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

RE-DRILLING COMMENCED August 8, 1983 RE-DRILLING COMPLETED August 14, 1983

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Balltown & Speechley Depth 3505-30 & 331 feet -3358 Depth of completed well 3739 feet Rotary x / Cable Tools Water strata depth: Fresh None feet; Salt feet Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Balltown & Speechley Pay zone depth see perforations feet Gas: Initial open flow 7.6 Mcf/d Oil: Initial open flow Bbl/d Final open flow Show # 7.6 Mcf/d Final open flow Bbl/d Time of open flow between initial and final tests 12 hours Static rock pressure 1370 psig (surface measurement) after 14 days shut in (If applicable due to multiple completion--)

FEB 27 1984

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

Perforations: 3505 - 3511' ^{Balltown} with 12 holes.
Fractured with 50,000# of sand, 600 bbls. of water & 500 gal. 15% acid.

Perforations: 3338 - 3342' ^{Speechley} with 4 holes.
Fractured with 50,000# of sand, 500 bbls. of 15% gel & 200 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	
First Salt			1149	1234		
Second Salt			1315	1344		
Third Salt			1444	1586		
Little Lime			1756	1773		
Big Lime			1788	1869		
Big Injun			1863	1956		
Gantz			2164			
Gordon			2471	2507		
Fifth			2671	2683		
Speechley			3348	3358		
Balltown			3505	3530		
Total Depth				3739		
Kelly Bushing to Ground		0	10		Shale	Grey 2262 3270
Sand	White	10	74		Sand	Grey 3270 3294
Sand & Shale	Grey	74	125		Shale	Grey 3294 3420
Sand	White	125	162		Sand & Shale	Dark Grey 3420 4640
Sand & Shale	Grey	162	407		Sand	Brown 4640 4660
Red Rock		407	550		Shale	Grey 4660 4810
Sand & Shale	Grey	550	630		K.B. 10' above G.L.	
Red Rock		630	690			
Sand & Shale	Grey	690	840			
Sand		840	1100			
White Sand		1100	1240			
Shale		1240	1443			
2nd Salt Sand	White	1443	1540			
Sand & Shale	Grey	1540	1568			
3rd Salt Sand	White	1568	1612			
Sand & Shale	Grey	1612	1670			
Red Rock	Red	1670	1690			
Sand & Shale	Grey	1690	1700			
Red Rock	Red	1700	1715			
Sand & Shale	Grey	1715	1790			
Lime	Grey	1790	1950			
Sand	Tan	1950	2050			
Sand	Grey	2050	2060			
Shale		2060	2238			
Gantz	White	2238	2262			

(Attach separate sheets as necessary)

Consolidated Gas Supply Corp.
Well Operator

By: J. L. Swann, Jr. Manager of Production
Date: January 27, 1981

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



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

Rotary XXXX
Spudder
Cable Tools
Storage

Quadrangle VADIS
Permit No. LEW-1769

WELL RECORD

Oil or Gas Well Dry
(KIND)

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm A. W. Priest Acres 22 1/2
Location (waters) _____
Well No. 11301 Elev. 1128'
District Freemans Creek County Lewis,
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 7-31-70
Drilling completed 8-9-70
Date Shot Not shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Show only Dry hole Cu. Ft. _____
Rock Pressure Not taken 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			Size of
10 1/2	20	20	
8 1/4	912	912	Depth set
6 5/8			
5 3/16			Perf. top
4 1/2			Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) All casing cemented to surface.
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT None FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water None Feet _____ Salt Water None Feet _____
Producing Sand Benson dry Will abandon _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	930			
1st Salt Sand			930	1240			
Shale			1240	1443			
3rd Salt			1443	1612			
Red Rock & Shale			1612	1790			
Big Lime			1790	1863			
Big Injun			1863	1950			
Sand & Shale			1950	2238			
50' Sand			2238	2262			
Sand & Shale			2262	1640			
BENSON			1640	1767	Gas	Benson	Show only
Total Depth				1767'			

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AUG 11 1970

OIL & GAS DIVISION
DEPT. OF MINES

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



1) Date: _____, 19____
 2) Operator's Well No. _____
 3) API Well No. 47 State _____ County _____ Permit _____

DRILLING CONTRACTOR: _____

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil _____ / Gas _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: _____ Watershed: _____
 District: _____ County: _____ Quadrangle: _____
- 6) WELL OPERATOR _____ Address _____
 11) DESIGNATED AGENT _____ Address _____
- 7) OIL & GAS ROYALTY OWNER _____ Address _____
 12) COAL OPERATOR _____ Address _____
- 8) SURFACE OWNER _____ Address _____
 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____ Address _____
 Name _____ Address _____
- 9) FIELD SALE (IF MADE) TO: _____ Address _____
 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____ Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name _____ Address _____
- 15) PROPOSED WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, _____
- 17) Estimated depth of completed well, _____ feet
- 18) Approximate water strata depths: Fresh _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No _____

20) 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									Kinds
Fresh water									Sizes
Coal									Depths set
Intermediate									Perforations:
Production									Top Bottom
Tubing									
Liners									

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____
 My Commission Expires _____

Signed: _____
 Its: _____

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-041-1769-RFD

Date July 10, 1985

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. 10) 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.)

Permit expires July 10, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee
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Administrator, Office of Oil and Gas