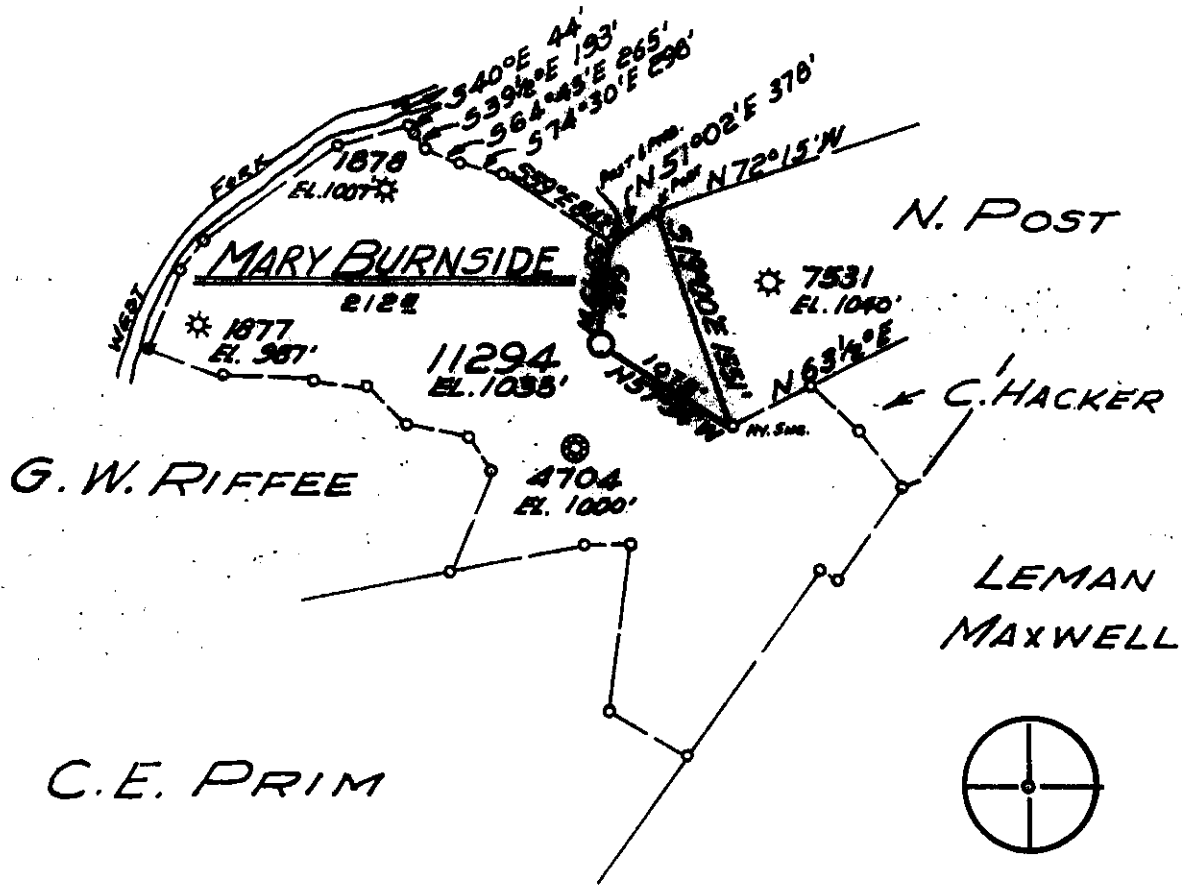


← 6450' →

LATITUDE 39° 15'

LONGITUDE 80° 25'

30,200'



Minimum Error of Closure 1' IN 200'
 Source of Elevation FROM CONSOLIDATED GAS SUPPLY CORP. WELL 1878 EL. 1007'

"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."

FRACTURE
 New Location
 Drill Deeper
 Abandonment

issued 8/6/74

MAP SHEET 56 S20E9 FB.1565 Pg. 34-35

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VIRGINIA
 Farm MARY BURNSIDE
 Tract _____ Acres 212[±] Lease No. 21483
 Well (Farm) No. _____ Serial No. 11294
 Elevation (Spirit Level) 1035'
 Quadrangle WESTON NW
 County HARRISON District GRANT
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date JULY 7, 1970 Scale 1" = 1320'

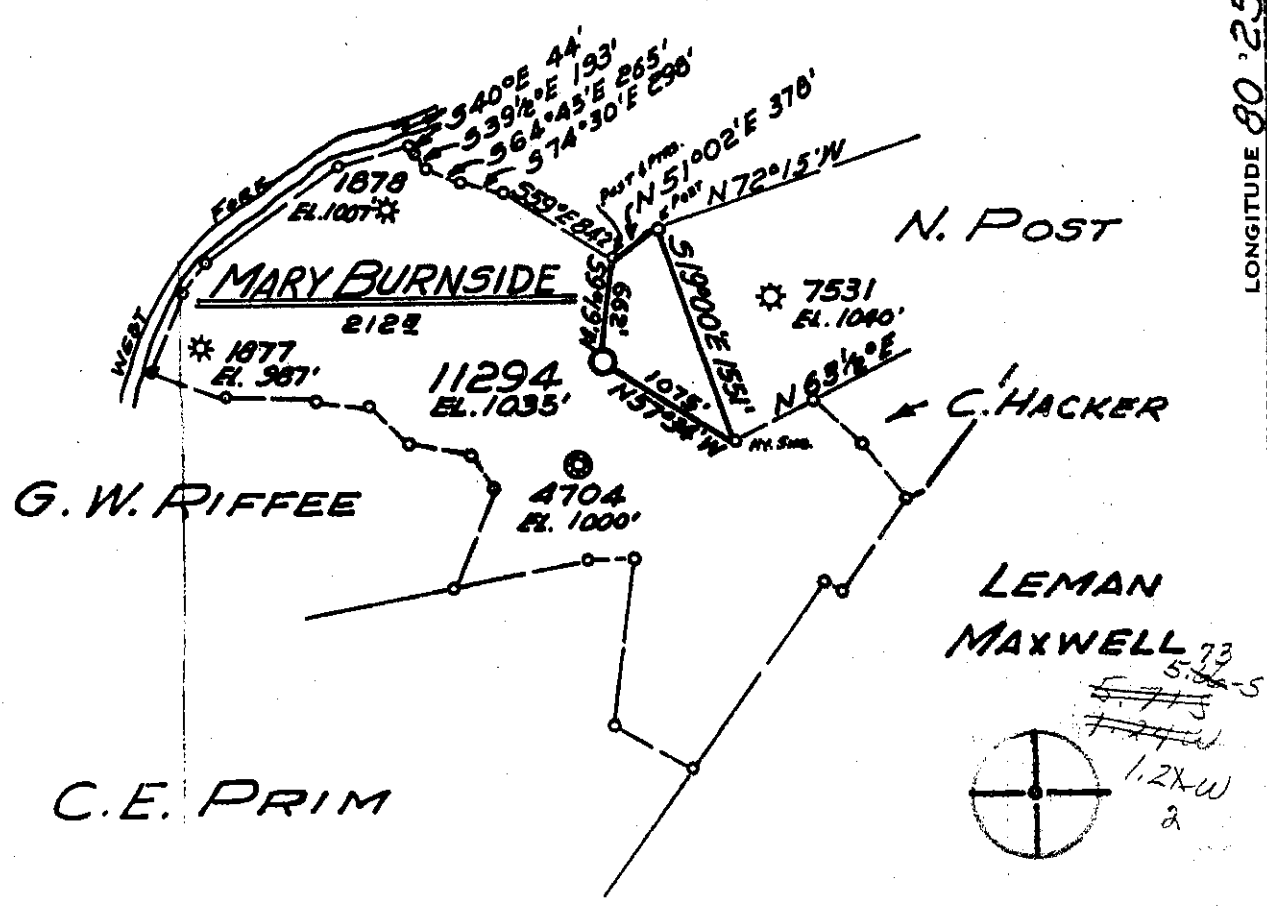
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. HAR-545-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.

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

47-033



Minimum Error of Closure 1" IN 200'
 Source of Elevation FROM CONSOLIDATED GAS SUPPLY
CORP. WELL 1878 EL. 1007'
 "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 S20E9 EB.1565 Pg. 34-35

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VIRGINIA
 Farm MARY BURNSIDE
 Tract Acres 212² Lease No. 21483
 Well (Farm) No. 11294 Serial No. 11294
 Elevation (Spirit Level) 1035'
 Quadrangle WESTON (NW)
 County HARRISON District GRANT
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date JULY 7, 1970 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. HAR-545

+ 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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DEC 11 1970

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

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle WESTON
Permit No. HAR-545

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company <u>Consolidated Gas Supply Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Clarksburg, West Virginia</u>	Size			Kind of Packer
Farm <u>Mary Burnside</u> Acres <u>212</u>	16			
Location (waters)	13			
Well No. <u>11294</u> Elev. <u>1035</u>	10 11	20	20	Size of
District <u>Union</u> County <u>Harrison</u>	8 1/4	666	666	Depth set
The surface of tract is owned in fee by	6 3/4			
Address	5 3/16			
Mineral rights are owned by	4 1/2	4209	4209	Perf. top <u>4100</u>
Address	3			Perf. bottom <u>4105</u>
Drilling commenced <u>8-03-70</u>	2			Perf. top
Drilling completed <u>8-09-70</u>	Liners Used			Perf. bottom
Date Shot <u>Not Shot</u> From To				
With				

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch

Volume 103,000 cubic feet Cu. Ft.

Rock Pressure 1690 lbs. 17 hrs.

Oil None bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) No

WELL FRACTURED (DETAILS) 8-13-70 with 855 bbl, 50,000# sand and 2500 HHP

Attach copy of cementing record.

CASING CEMENTED _____ SIZE _____ No. Ft. 1175 bags Date _____

Amount of cement used (bags) All strings cemented to surface

Name of Service Co. Halliburton

COAL WAS ENCOUNTERED AT 239 FEET 24 INCHES
368 FEET 36 INCHES 450 FEET 48 INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,517,000 cubic feet 1,517 MCFGP

ROCK PRESSURE AFTER TREATMENT 1825 # HOURS 14 days

Fresh Water 45; 239; 370 Feet Salt Water 1695 Feet

Producing Sand Benson Depth 4100-4105

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & shale			0	239	water	45 & 239'	Fresh
Coal			239	241			
Sand & shale			241	368			
Coal			368	371	water	370'	Fresh
Sand & shale			371	450			
Coal			450	454			
Sand & shale			454	600			
1st salt sand			600	620			
Sand & shale			620	855			
3rd salt sand			855	1010			
Red rock & shale			1010	1162			
Little Lime <u>311</u>			1162	1175			
Shale <u>planes</u>			1175	1204			
Big Lime			1204	1275			
Big Injun			1275	1375			
Sand & shale			1375	1670			
50' sand			1670	1740	water	1695	Salt
Sand & shale			1740	2092	gas	1872	
5th sand			2092	2113			
Sand & shale			2113	4095			
Benson			4095	4115	gas	4100-4105'	
Total Depth				4225'			

All measurements taken from KB 9' above GL

(over)

DEC 21 1970



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle WESTON *W*
Permit No. 1143-515-1114

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm Mary Burnside Acres 212
Location (waters) West Fork River
Well No. 1129h Elev. 1035'
District Union County Harrison
The surface of tract is owned in fee by _____

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	Casing not	changed	
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 8-3-70
Drilling Completed 8-9-70
Initial open flow 200 M cu. ft. _____ bbls.
Final production 933 M cu. ft. per day _____ bbls.
Well open 1 1/2 days hrs. before test 792# RP.
Well treatment details: _____

Attach copy of cementing record.

Balltown treated with 750 gal 15% acid, 636 bbl water and 56,000# sand
Perforations: 2932' - 3032' with 20 holes

Moved up hole from old Benson prod.

Coal was encountered at See original OG-10 Feet _____ Inches _____
Fresh water 145' & 239' Feet _____ Salt Water 1700' Feet _____
Producing Sand Benson & Balltown Depth See perfs

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
No deeper drilling		- Total	Depth same	- Frac only		
			<u>4225 TO</u>			
Consolidated Gas Supply Corporation 145 West Main Street Clarksburg, W. Va.						

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
AUG 10 1974

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE August 6, 1974

Surface Owner Marlow Wise

Company Consolidated Gas Supply Corporation

Address 204 Woodland Ave., Clarksburg, W. Va.

Address Clarksburg, W. Va.

Mineral Owner Same

Farm Mary Burnside Acres 212

Address _____

Location (waters) West Fork River

Coal Owner Same

Well No. 11291 Elevation 3035'

Address _____

District Union County Harrison

Coal Operator None

Quadrangle W51010N

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 fracturing. This permit shall expire if operations have not commenced by 12-6-74

INSPECTOR TO BE NOTIFIED Paul Shrett
Clarksburg W.Va. PH: 622-3871
26301

Robert L. Ford
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 9-28-1900 19 by Mrs. Burnside made to F. J. West and recorded on the 23rd day of December 1900 in Harrison County, Book 118 Page 353

 NEW WELL DRILL DEEPER REDRILL XXX 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.

Producing from Benson
Will Perforate 4 1/2" log &
frac Balltown

Very truly yours,
(Sign Name) R. L. Bayne Manager of Prod.
Well Operator

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

Address
of
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOLOGICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Martinsburg, W. Va. 26505
Tel: 304-296-4461

*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

WAR-515 W
PERMIT NUMBER
47-032

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

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN XYZ FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Company tools NAME R. E. Payne
 ADDRESS _____ ADDRESS Prigerson, W. Va.
 TELEPHONE _____ TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: No change ROTARY _____ CABLE TOOLS XYZ
 PROPOSED GEOLOGICAL FORMATION: Balltown
 TYPE OF WELL: OIL _____ GAS xy 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	Will perforate 14" casing in Balltown and frac Balltown.		
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS See OG-10 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 280' 300' 450' , 35" 36" 48"
 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