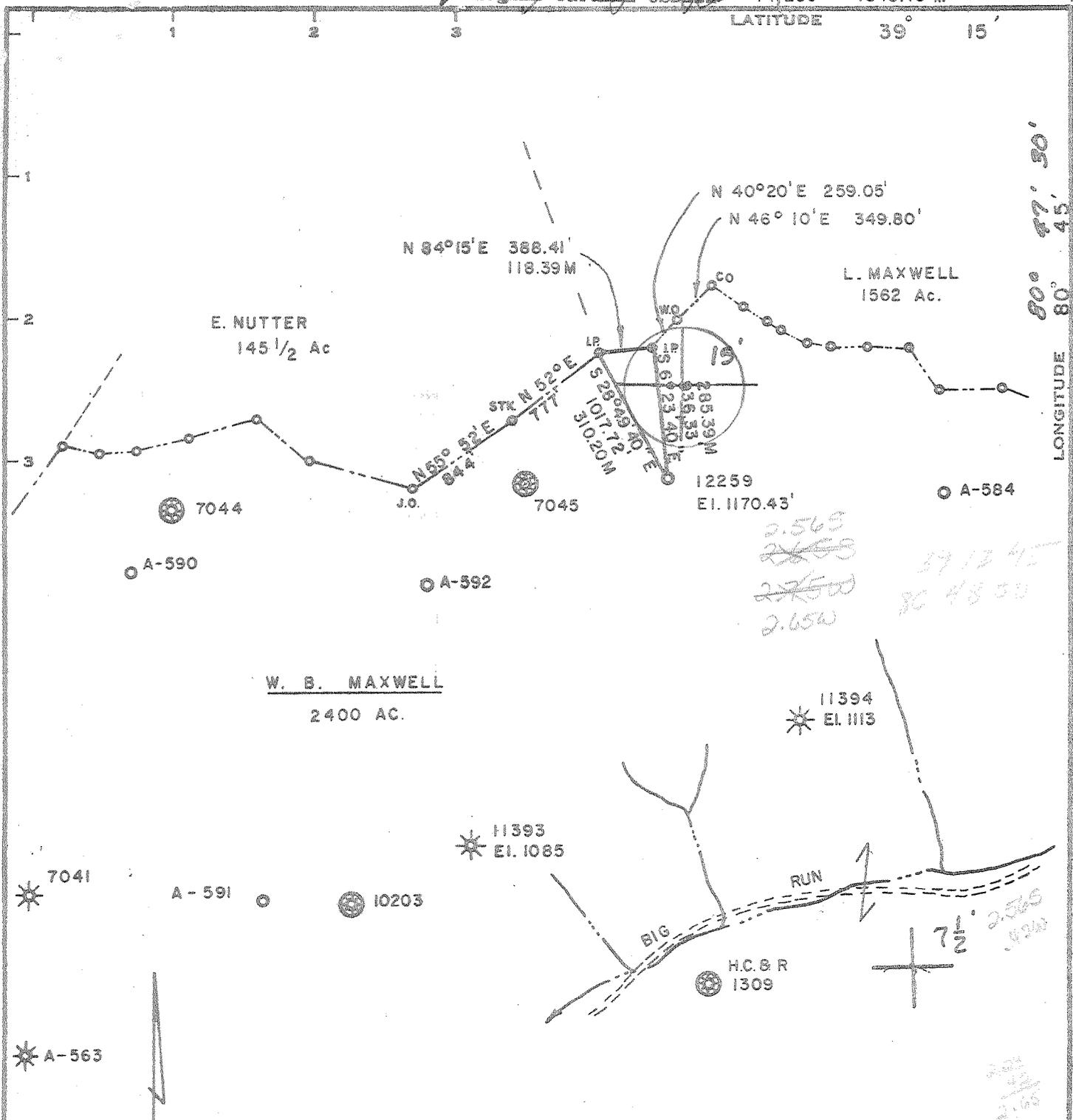


LATITUDE 39° 15'

LONGITUDE 80° 47' 30"

14,000' - 4267.20 M



Minimum Error of Closure 1' in 200'
 Source of Elevation WELL 11394, EL. 1113

"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

FIELD BK. 1821 PGS. 14-16 MAP 68 S 16 W 11

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VIRGINIA
 Farm W. B. MAXWELL, Dr. AS. SCHWARTZMAN
 Tract Acres 2400 Lease No. 41998
 Well (Farm) No. 12259 Serial No. 12259
 Elevation (Spirit Level) 1170.43' *NE*
 Quadrangle HOLBROOK, NORTH EAST SEC.
 County DODDRIDGE District SOUTHWEST
 Engineer Bernard Thompson
 Engineer's Registration No. 233
 File No. _____ Drawing No. _____
 Date JAN. 6, 1977 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. 47-017-2442

+ 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.

JUN 21 1979

6-6 2350 Inj. STRAIGHT FK-BLUESTONE CK 7322 133



AUG 1 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 8

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

Quadrangle Holbrook
Permit No. 17-017-2412

Company Consolidated Gas Supply Corp.
Address 445 W. Main St., Clarksburg, WV
Farm W. B. Maxwell Acres 24.00
Location (waters) Big Run
Well No. 12259 Elev. 1170.13'
District Southwest County Doddridge
The surface of tract is owned in fee by
Dr. A. S. Schwartzman
Address 2007 Nichol Ave., SE
Washington, DC
Mineral rights are owned by Union National Bank.
Brent Maxwell P. O. Box 2330, Clarksburg, WV
Drilling Commenced July 9, 1979 WV
Drilling Completed July 12, 1979
Initial open flow 1.5M cu. ft. _____ bbls.
Final production 245M cu. ft. per day _____ bbls.
Well open 2 hrs. before test 200#RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	307'	307'	To surface
7			
5 1/2			
4 1/2	2392'	2392'	100 Sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Well fractured in Berea with 30,000# sand, 500 bbls. of water & 500 gal. 15% Hcl.
Perforations: 2331-2335' with 8 holes.
Well fractured in Weir with 90,000# sand, 800 bbls. of water & 1000 gal. 15% Hcl.
Perforations: 2134-2140, 2153-2157 and 2212-2216' with 14 holes.

Coal was encountered at None Feet _____ Inches _____
Fresh water none Feet _____ Salt Water 1320 Feet _____
Producing Sand Berea & Weir Depth See perforations

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	29		
Sand			29	50		
Red Rock & Shale			50	75		
Sand & Shale			75	140		
Red Rock & Shale			140	155		
Sand & Shale			155	385		
Red Rock & Shale			385	470		
Sand & Shale			470	530		
Red Rock & Shale			530	920		
Sand & Shale			920	1300		
1st Salt			1300	1340	Water	1320'
Shale			1340	1470		2" Stream
2nd Salt			1470	1500		
Sandy Shale			1500	1600		
3rd Salt			1600	1645		
Sandy Shale			1645	1700		
Red Rock & Shale			1700	1755		
Sandy Shale			1755	1790		
Little Lime			1790	1805		
Sandy Shale			1805	1830		
Big Lime & Injun			1830	1950		
Red Rock & Shale			1950	2020		
Sand & Shale <u>BEREA</u>			2020	2400	T.D. Gas	1.5M
<u>KBM 10' above G. L.</u>						

* Indicates Electric Log tops in the remarks section.

(over)

AUG 22 1979

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Gamma Ray Tops						
Little Lime			1791	1803		
Big Lime			1822	1898		
Big Injun			1898	1976		
Weir			2126	2242		
Berea			2330	2336		
Total Depth				2390		

Date August 9, 1979

APPROVED Consolidated Gas Supply Corp. (Owner)

By [Signature] Manager of Prod.

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

MAY 21 1979

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 21, 1979

Surface Owner Dr. A. S. Schwartzman

Company Consolidated Gas Supply Corp.

Address 2007 Nichol Ave., SE, Washington, DC

Address 445 W. Main St., Clarksburg, WV

Mineral Owner Union National Bank, Atty.-in-Fact

Farm W. B. Maxwell Acres 24.00

Address for W. Brent Maxwell Heirs, P. O. Box 2330

Location (waters) Big Run

Coal Owner No Coal

Well No. 12259 Elevation 1170.43'

Address _____

District Southwest County Doddridge

Coal Operator None

Quadrangle Holbrook

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 2-5-80

INSPECTOR

TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech St., Clarksburg, WV 26301

PHONE 622-3871

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 October 7, 1898 19 by W. Brent Maxwell made to Consolidated Gas Supply and recorded on the 15th day of September 19 , in Doddridge County, Book 11 Page 376

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

Very truly yours,

(Sign Name) [Signature] Manager of Prod.

- Well Operator

Address
of
Well Operator

Consolidated Gas Supply Corp.

Street

445 West Main Street

City or Town

Clarksburg, West Virginia

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

47-017-2442

PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack Drilling Co. NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, WV
 TELEPHONE _____ TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 2350' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Injun
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	DEPTH IN WELL	CEMENT (HIT UP OR SACKS - CUBIC FT.)
20 - 16			
17/16 11 3/4	20'	20'	To surface
9 - 5/8			
8 - 5/8	300'	300'	To surface
7			
5 1/2			
4 1/2	2350'	2350'	125 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 90 FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS No coal
 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