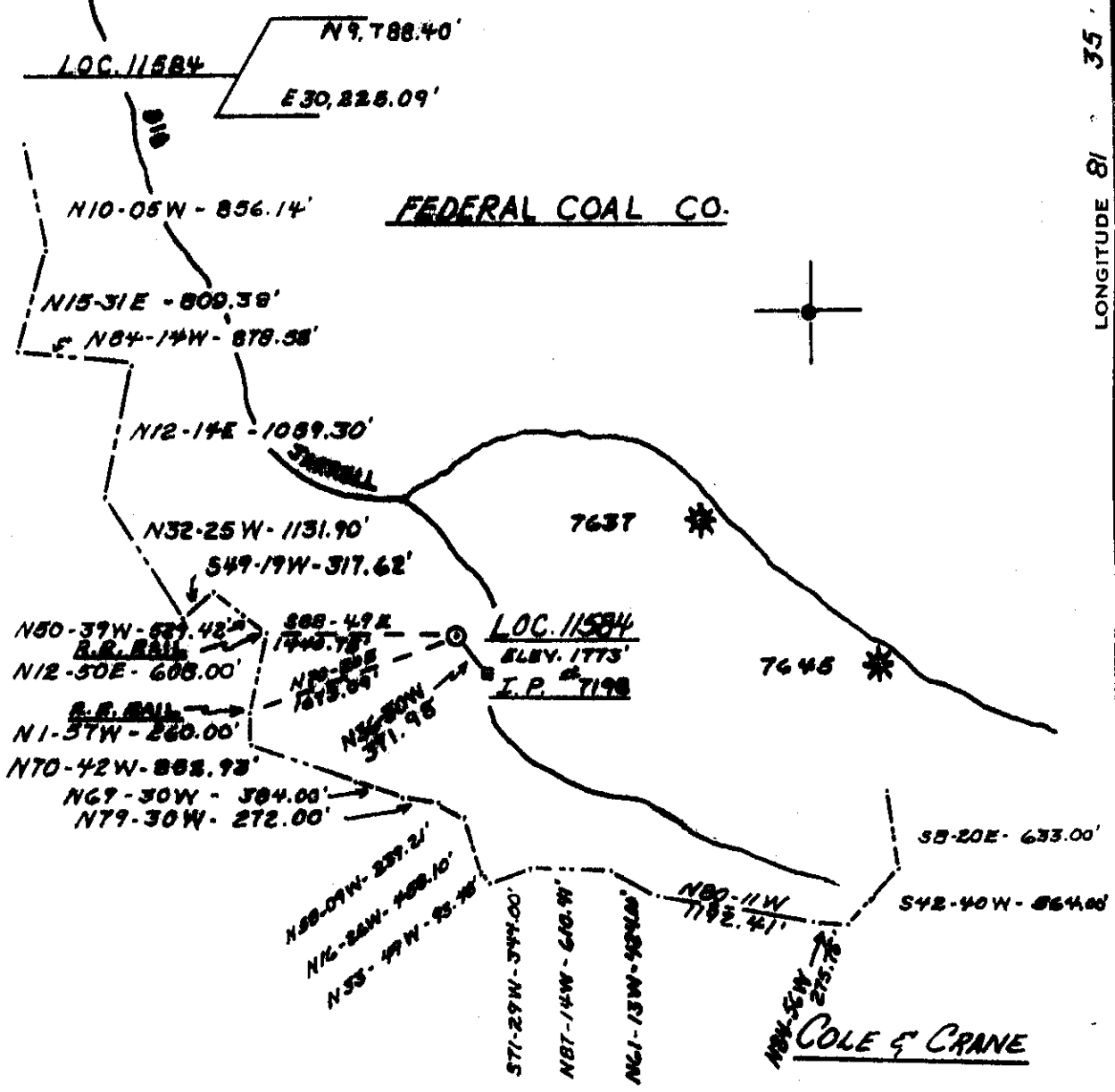


FEDERAL COAL CO. COORD. VALUES



Minimum Error of Closure 1' IN 2500'
 Source of Elevation I.P. # 7198 BIG MTN. COAL CO. F.B. VOL. 11
PG. 49 ELEV. 1612.42'
 "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 4/9/73
 MAP SHEET 162W 2102 W00 F.B. 1629 PG. 4-8

Company CONSOL. GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VA.
 Farm FEDERAL COAL CO.
 Tract 6400 of Acres 18340 Lease No. 46408
 Well (Farm) No. 11584
 Elevation (Spirit Level) 1773
 Quadrangle BALD KNOB (N.C.)
 County BOONE District SHERMAN
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 12-4-72 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. Boo-1038-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.
47-005



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle BALD KNOB
Permit No. B00-1038

Rotary XX Oil _____
Cable _____ Gas Dry g. NOL
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ **Dry**
(Kish)

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm Federal Coal Company Acres 18, 3/4
Location (waters) Big Jarrells fk. of Hopkins
Well No. 1158 1/4 Elev. 1773'
District Sherman County Boone
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 4-23-73
Drilling Completed 4-10-73
Initial open flow Show cu. ft. _____ bbls.
Final production Dry cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>20-1/2" Cond.</u>	33'	33'	To surface
20-1/2" Cond. <u>11"</u>	319'	319'	To surface
<u>9 5/8</u>			
<u>8 5/8</u>	2263'	779'	100 bags
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	None		
<u>3</u>			
<u>2</u>			
Liners Used	<u>Jacket thru open mine 13-3/8" Cemented with 470 bags cement</u>		

Well treatment details:
Not treated

Attach copy of cementing record.

Coal was encountered at Various-See log Feet _____ Inches _____
Fresh water 10' 183' Feet _____ Salt Water _____ Feet _____
Producing Sand Dry in all formations Depth See log

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	87	Water 10'	Fresh show
Coal			87	91		
Sand & Shale			91	289	Water 183'	Fresh
Open Mine			289	295		
Sand			295	359		
Coal			359	363		
Sand & Shale			363	640	Water 500'	
Coal			640	643		
Sand & Shale			643	2393		
Maxton sand			2393	2520		
Sand & Shale			2520	2747		
Little Lime			2747	2836		
Big Lime			2836	3130	Gas 2857'	Show
Injun			3130	3144		
Shale & Red Rock			3144	3250		
<u>WEIR SAND</u>			3250	3450		
TOTAL DEPTH				<u>3562'</u>		

Consolidated Gas Supply Corp.
145 West Main Street
Clarksburg, W. Va.

All measurements taken from K.B. 8' above G.L.

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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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 March 13, 1973

Surface Owner Federal Coal Company
Address 704 Union Bldg., Charleston, W. Va.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator Big Mountain Coal Co.
Address Prenter, W. Va.

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm Federal Coal Company Acres 18,348
Location (waters) Big Jarrells Fr. of Hopkins Fr.
Well No. 11584 Elevation 1773'
District Sherman County Boone
Quadrangle BALD KNOB

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 7/20/73

INSPECTOR TO BE NOTIFIED Mr. Pree
Scheelcraft
Box 312 PH: 732-7245
Pineville
W.Va. 24874

Robert L. Todd
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 8-29-22 19 by Federal Coal Co. made to Godfrey L. Cabot and recorded on the 20th day of September 19 22 in Boone County, Book 4 Page 235
XX 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 same day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

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

Address
of
Well Operator

Consolidated Gas Supply Corporation
Street
145 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

B00-1038 PERMIT NUMBER

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

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AUG 16 1973

OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

<p><u>Big Mountain Coal Company</u> COAL OPERATOR OR OWNER <u>Prenter, W. Va.</u> ADDRESS</p> <p><u>Federal Coal Company</u> COAL OPERATOR OR OWNER <u>70 1/2 Union Bldg., Charleston, W.Va.</u> ADDRESS</p> <p><u>Same</u> LEASE OR PROPERTY OWNER ADDRESS</p>	<p><u>Consolidated Gas Supply Corporation</u> NAME OF WELL OPERATOR <u>Clarksburg, W. Va.</u> COMPLETE ADDRESS</p> <p><u>August 9, 1973</u> 19 WELL AND LOCATION</p> <p><u>Sherman,</u> District</p> <p><u>Boone,</u> County</p> <p>Well No. <u>11584</u></p> <p><u>Federal Coal Company</u> Farm</p>
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STATE INSPECTOR SUPERVISING PLUGGING Kenneth Butcher

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Harrison } ss:

G. R. McManus and F. G. Wilson
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Consolidated Gas Supply Corporation well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 10th day of April, 1973, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			SIZE & KIND	CSS PULLED / CSS LEFT IN
FORMATION	Aquagel 3562' to 3350'			
	Cement 3350' to 3250'	20"	None	33'
	Aquagel 3250' to 3100'	11"	None	319'
	Cement 3100' to 3000'	8"	1484'	779'
	Aquagel 3000' to 2550'			
	Cement 2550' to 2450'			
	Aquagel 2450' to 2300'			
	Cement 2300' to 2200'			
	Aquagel 2200' to 1800'			
	Cement 1800' to 1700'			
	Aquagel 1700' to 1550'			
	Cement 1550' to 1500'			
	Aquagel 1500' to 875'			
	Cement 875' to 800'			
	Aquagel 800' to 700'			
	Cement 700' to 600'			
COAL SEAMS	Aquagel 600' to 500'			
(NAME)	Cement 500' to 0'		DESCRIPTION OF MONUMENT	
(NAME)			Erected regular pipe marker	
(NAME)			properly inscribed & installed	
(NAME)			according to rules & regulations	

and that the work of plugging and filling said well was completed on the 10th day of April, 1973.

And further deponents saith not.

Sworn to and subscribed before me this 9 day of August, 1973.

My commission expires: March 13, 1980

G. R. McManus
F. G. Wilson
Hatted G. White
Notary Public.

Permit No. B00-1038-A 1002

AUG 27 1973

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Lohmann Johnson NAME R. E. Bayne
 ADDRESS Charleston, W. Va. ADDRESS Bridgeport, W. Va.
 TELEPHONE - - TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 3550' ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Weir
 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 - XX	20	20	To surface
13 - XX	Jacket cemented		
XXXXXX 11"	350'	350'	To surface
8 - 5/8	2250'	2250'	75 bags
7			
5 1/2			
4 1/2	3550'	3550'	125 bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 90' FEET SALT WATER None FEET
 APPROXIMATE COAL DEPTHS 308(Mined out)
 IS COAL BEING MINED IN THE AREA? Yes BY WHOM? Big Mountain Coal Co.

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