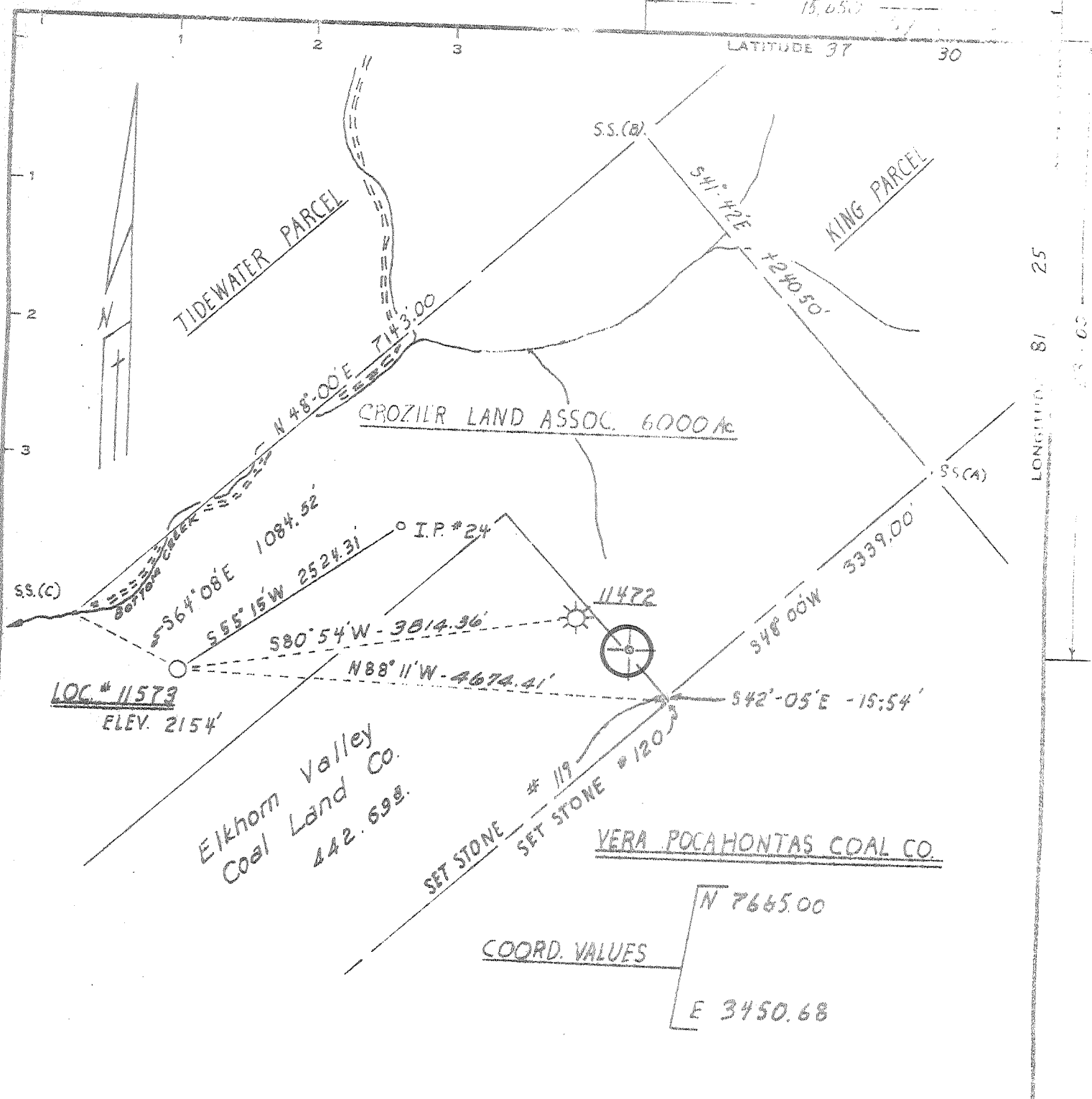


15,650



Minimum Error of Closure 1 IN 2500'  
 Source of Elevation ELEV. FROM CONSOL. GAS SUPPLY CORP.  
 GAS WELL #11472 STAKE #1 - ELEV. 2153.78' FIELD BOOK 1603 P. 35  
 "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."

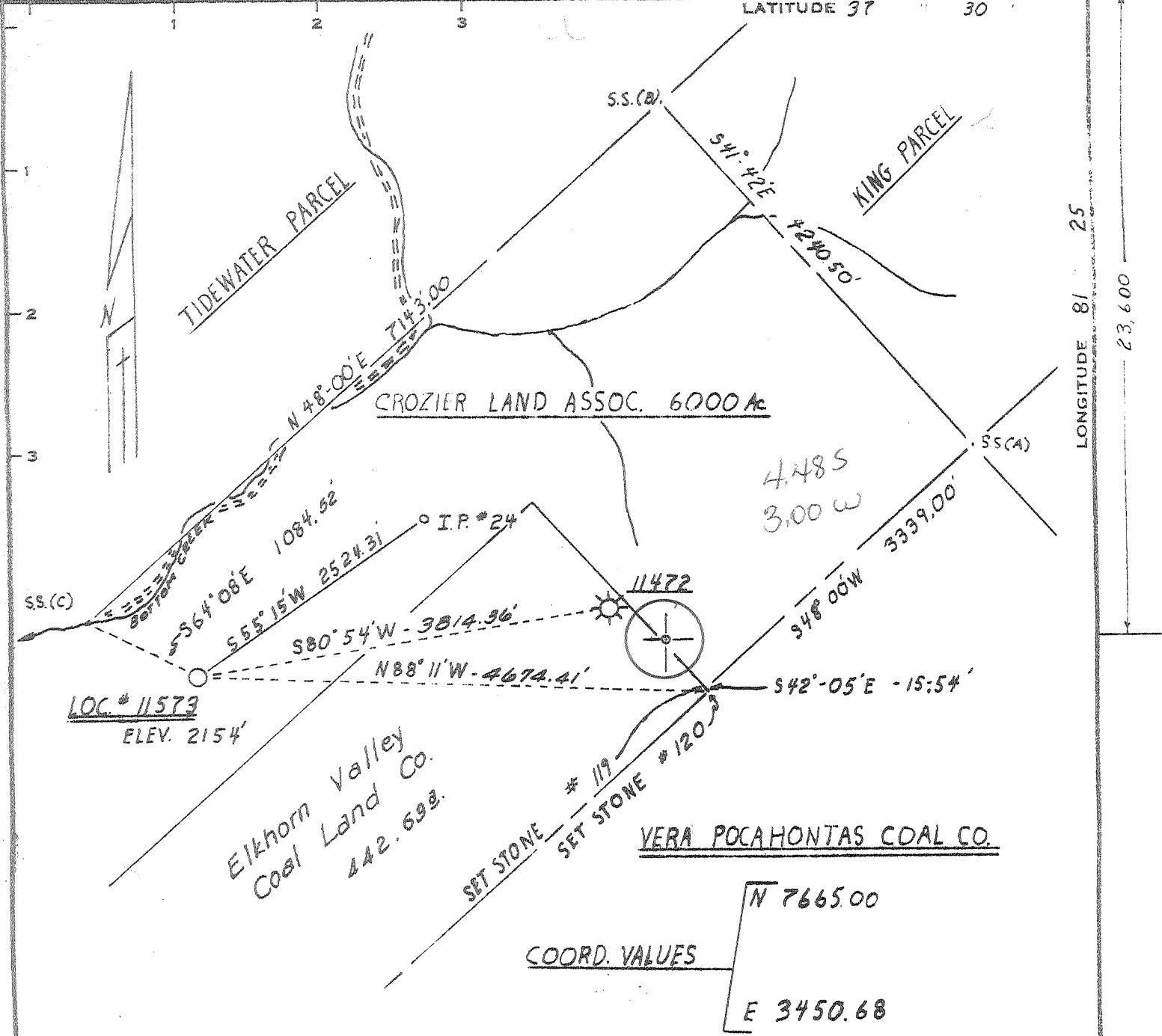
New Location   
 Drill Deeper   
 Abandonment

*J. Lewis*  
 522-74

MAP SHEET 240 W 5-138 W 51 FIELD BOOK 1641 PG. 9-12

Company CONSOL GAS SUPPLY CORP.  
 Address CLARKSBURG, WEST VIRGINIA  
 Farm CROZIER LAND ASSOC.  
 Tract 6000 56433  
 Well (Chart) No. 11573  
 Elevation (Spit) (Lev) 2154'  
 Quadrangle BRAMWELL N.W.  
 County M'DOWELL BROWNS CR.  
 Engineer Jackson M. Lewis  
 Engineer's Registration No. 2397  
 File No. Drawing No.  
 Date 10-25-73 Scale 1" = 1320'

CO: 047 PMT: 622  
 Loc Digitized from OGIS 7.5' Meter  
 QUAD: 420 DATE: 4-JUN-90  
 LAT: 37 27.5 Miles South: 1.63  
 LONG: 81 27.5 Miles West: 0.65  
**WELL LOCATION MAP**  
 FILE NO. *ME 0-622-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.  
*47-047* AUG 2 1974



Minimum Error of Closure 1 IN 2500'  
 Source of Elevation ELEV. FROM CONSOL. GAS SUPPLY CORP.  
 GAS WELL #11472 STAKE #1 - ELEV. 2153.78' FIELD BOOK 1603 P.35  
 "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 240 W S-138 W51 FIELD BOOK 1641 PG.9-12

Company CONSOL. GAS SUPPLY CORP.  
 Address CLARKSBURG, WEST VIRGINIA  
 Farm CROZIER LAND ASSOC.  
 Tract 6000 Section No. 56433  
 Well (Farm) No. Section No. 11573  
 Elevation (Spirit Level) 2154'  
 Quadrangle BRAMWELL N.W.  
 County M<sup>D</sup>DOWELL  
 Engineer Jackson M. Jarvis  
 Engineer's Registration No. 2397  
 File No. Drawing No.  
 Date 10-25-73 Scale 1" = 1320'

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

WELL LOCATION MAP  
 FILE NO. 77-10-622

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.

47-047



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**

Oil & Gas Division  
DEPT. OF MINES

**WELL RECORD**

Quadrangle BRANFILL  
Permit No. MCD-692-P

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas Dry  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ Dry  
(Kind)

Company Consolidated Gas Supply Corporation  
Address Clarksburg, W. Va.  
Farm Crozier Land Association Acres 6000  
Location (waters) Bottom Gk / Forkhorn Gk.  
Well No. 11573 Elev. 2151'  
District Browns Creek County Bellwood  
The surface of tract is owned in fee by \_\_\_\_\_

Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling Commenced \_\_\_\_\_  
Drilling Completed 5-27-71  
Initial open flow 10 M cu. ft. \_\_\_\_\_ bbls.  
Final production Dry cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Well treatment details:  
Well not treated

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20- <del>10</del>	20'	20'	To surface
Cond.			
<del>13-10</del> 11"	1171'	1171'	To surface
9 5/8			
8 5/8	1172'	1172'	75 bags
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at 99'-256'-360' Feet 2 1/2" 1 3/8" 1 1/2" Inches  
Fresh water None Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand Well dry & abandoned Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil & sand			0	99		
Coal			99	101		
Sand & Shale			101	256		
Coal			256	260		
Sand & Shale			260	360		
Coal			360	361		
Sand & Shale			361	1332	Water	1188' Show
Ravencliff			1332	1510		
Sand & Shale			1510	2209		
Upper Maxton			2209	2271		
Sand & Shale			2271	2619	Gas	2271' 18 McF
Lower Maxton			2619	2661		
Little Linc			2661	2876		
Big Linc			2876	3696		
Big Injun			3696	3731	Gas	3731' 57 McF
Sand & Shale			3731	3960		
Weir Sand			3960	3961		
Shale			3961	11376		
<u>Berea</u>			11376	11491	Gas	Bottom Show
Well Depth				11491'		

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAR 4 1974

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 1, 1974

Surface Owner Hawley Coal Mining Corp.

Company Consolidated Gas Supply Corporation

Address 630 Third Ave., New York, N. Y.

Address Clarksburg, W. Va.

Mineral Owner Consolidation Coal Co.

Farm Crozier Land Association Acres 6000

Address Pocahontas, Va.

Location (waters) Bottom Creek / Esthara Cr.

Coal Owner Hawley Coal Mining Corp.

Well No. 11573 Elevation 2154'

Address New York, N. Y.

District Browns Creek County McDowell

Coal Operator Same

Quadrangle BRAMWELL

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 7-5-74

Robert L. Latta  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED mp. Rice  
Boyl 315 PH: 732-7245  
Pineville  
W.D. 24874

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 7-1-114 19   by Crozier Land Asso. made to Hope Natural Gas Company and recorded on the 28th day of August 19114, in McDowell County, Book 161 Page 114

xxx 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.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

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

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

Address \_\_\_\_\_ Street \_\_\_\_\_  
of \_\_\_\_\_  
Well Operator \_\_\_\_\_ City or Town \_\_\_\_\_  
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.

M-10-622 PERMIT NUMBER

47-047

BLANKET BOND

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

Lohmann

PROPOSED WORK ORDER TO XXX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME Lohmann Johnson Drilling Co. NAME R. E. Bayne  
 ADDRESS Charleston, W. Va. ADDRESS Bridgeport, W. Va.  
 TELEPHONE - - TELEPHONE 623-3611  
 ESTIMATED DEPTH OF COMPLETED WELL: 4190' ROTARY XXX 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.
<del>20 - 1 1/2</del>	20'	20'	To surface
<del>11"</del>	460'	460'	To surface
9 - 5/8			
8 - 5/8	1160'	1160'	75 bags
7			
5 1/2			
4 1/2	4190'	4190'	125 bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75' FEET \_\_\_\_\_ SALT WATER None FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS Various  
 IS COAL BEING MINED IN THE AREA? Yes BY WHOM? Hawley Coal

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