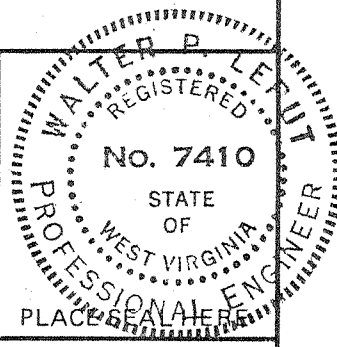


FILE NO. 6-25-79 A  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION ± OF ROADS  
± 1370' SW (904)

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Walter P. Lepout  
 R.P.E. 7410 L.L.S. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE \_\_\_\_\_, 19\_\_\_\_  
 OPERATOR'S WELL NO. 2  
 API WELL NO. 47 - 017 - 2483-REN.  
 STATE COUNTY PERMIT

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

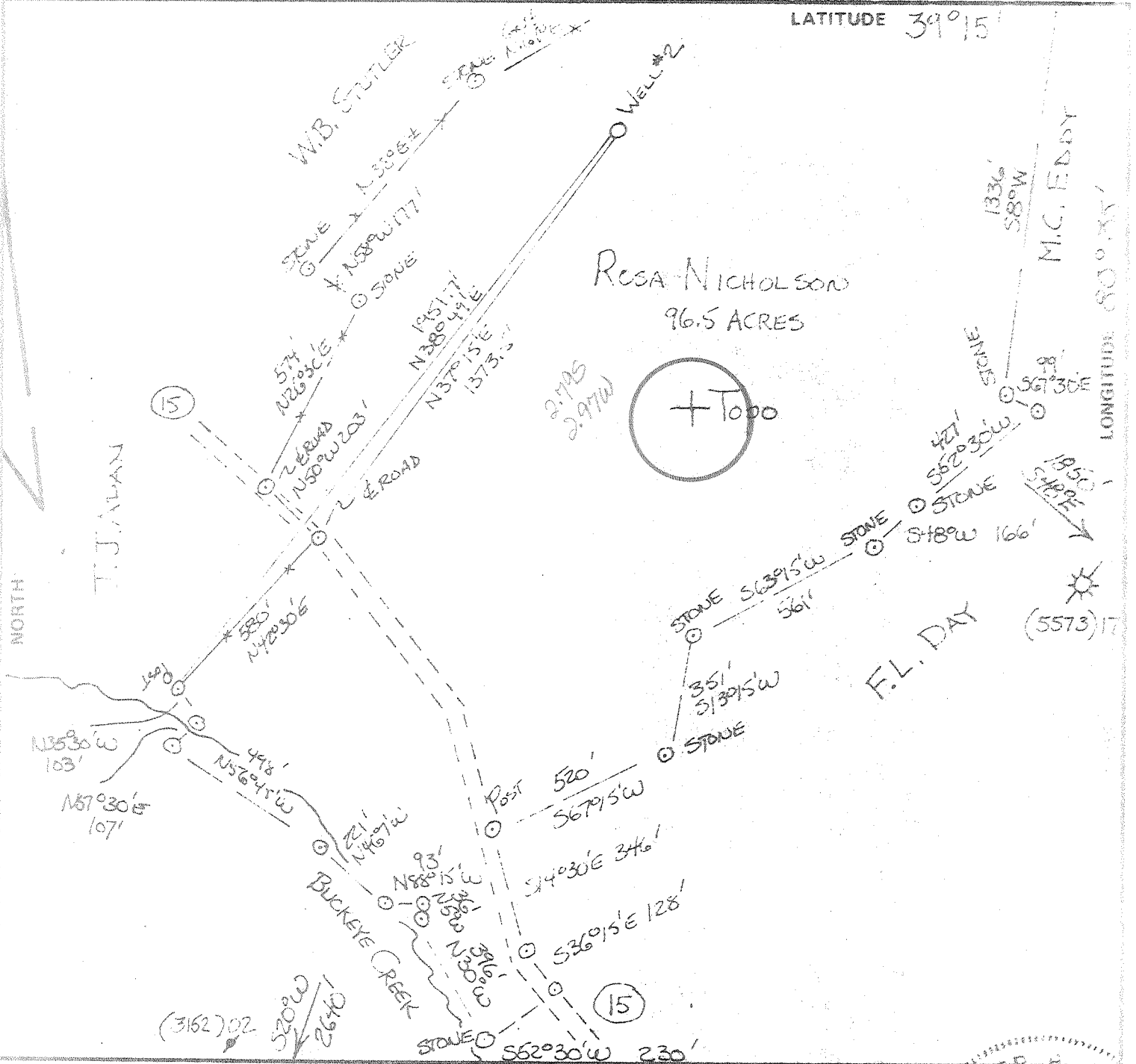
**CANCELLED**

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1096 WATER SHED BUCKEYE CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7 1/2  
 SURFACE OWNER J.A. MILLS ACREAGE \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER ROSA NICHOLSON LEASE ACREAGE 96.5  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

MAR 03 1987

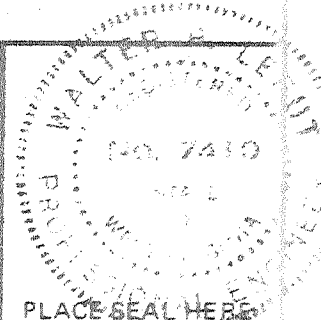
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Alexander ESTIMATED DEPTH 5600'  
 WELL OPERATOR DORAN & ASSOCIATES, INC. DESIGNATED AGENT AL Sorcan  
 ADDRESS 728 WASHINGTON ROAD ADDRESS Rt 4 - Box 444  
PGH, PA 15228 229 Buckhannon, W. Va. 26201

LATITUDE 39° 15'



FILE NO. 6-25-79A  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1:24,000  
 PROVEN SOURCE OF ELEVATION ☉ OF ROADS  
±1370' SW (904)

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Walter P. Pappal  
 R.P.E. 1410 L.L.S. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE \_\_\_\_\_ 19\_\_\_\_  
 OPERATOR'S WELL NO. 2  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2483  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1096 WATER SHED BUCKEYE CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7 1/2 VADIS 15' NC  
 SURFACE OWNER J.A. MILLS ACREAGE \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER Rosa Nicholson LEASE ACREAGE 96.5  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Alto ESTIMATED DEPTH 5600  
 WELL OPERATOR DORAN ASSOCIATES DESIGNATED AGENT  
 ADDRESS 728 WASHINGTON ROAD ADDRESS \_\_\_\_\_  
PGH, PA 15228

SEP 24 1979

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 2  
API Well No. 47-017-2483  
State County Permit

WELL TYPE: Oil      / Gas X /  
(If "Gas", Production X / Underground storage      / Deep      / Shallow      /)

LOCATION: Elevation: 901 Watershed: Buckeye Creek  
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7 1/2

WELL OPERATOR Doran & Associates, Inc.  
Address 728 Washington Road  
Pittsburgh, PA 15228

DESIGNATED AGENT Alvin Sorcan  
Address Rt. 4, Box 444  
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Rosa Nicholson  
Address 114 E. Main Street  
Salem, WV  
Acreage 96.5

COAL OPERATOR Virginia A. Tetrick  
Address Union National Center  
Clarksburg, WV 26301

SURFACE OWNER Jeffrey A. & Penelope Mills  
Address Rt. 1, Salem, WV 26426 -- 87 Acres  
William E. Joyce  
713 Dresden Dr., Newport News, VA 26301  
Acreage 3.44 Acres & 1.447 Acres

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Virginia A. Tetrick  
Address Union National Center  
Clarksburg, WV 26301

FIELD SALE (IF MADE) TO:  
Name Unknown  
Address     

Name N/A  
Address     

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Paul Garrett  
Address Clarksburg, WV 26301  
304-622-3871

COAL LESSEE WITH DECLARATION ON RECORD:  
Name N/A Consolidation Coal Co.  
Address     

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease X / other contract      / dated January 29, 1979, to the undersigned well operator from Rosa Nicholson to Clarence W. Mutschelknaus

If said deed, lease, or other contract has been recorded:]

Recorded on February 9, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in      Book 107 at page 405. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper      / Redrill      / Fracture or stimulate      /  
Plug off old formation      / Perforate new formation      /

Other physical change in well (specify)     

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SEP - 6 1979

as planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any application they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines 5) days after the receipt of this Application by the Department.

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.

PLEASE SUBMIT COPIES OF ALL  
PHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
115 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

BLANKET BOND

Donald R. Laughlin  
Well Operator

By Donald R. Laughlin  
Its Vice President-Operations

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S. W. JACK

Address Backhannon, W. Va

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5600' feet Rotary  / Cable tools  /

Approximate water strata depths: Fresh, 60' feet; salt, 700' feet.

Approximate coal seam depths: 25.0' IS coal being mined in the area? Yes  No

HOUSING AND TUBING PROGRAM

HOUSING 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	11 3/4			X		30'			Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	2 1/16		X			1200	275 SK	
Production	4 1/2	9.5					5600'	300 SK	Depths set
Tubing									
Packers									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and THIS PERMIT MUST BE POSTED AT THE WELL SITE in connection therewith.

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 5-6-80.

[Signature]  
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator                      / owner  / lessee                      / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 5 September, 1979

By Willis G. Tetrick Jr  
Its Agent



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

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DEC - 2 1980

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION  
DEPARTMENT OF MINES

TO THE DEPARTMENT OF MINES, Surface  
 Charleston, W. Va. William E. Joyce, 713  
 Dresden Drive, Newport News, W. Va. 23601  
 Surface Owner Jeffrey A. & Penelope Mills  
 Address Route 1, Salem, W. Va 26426  
 Mineral Owner Rosa Nicholson  
 Address 114 E. Main Street Salem, W. Va  
 Coal Owner Virginia A. Tetrick  
 Address Union National Center, Clarksburg, W. Va  
 Coal Operator Virginia A. Tetrick 26301  
 Address Union National Center, Clarksburg, W. Va  
 26301

DATE November 21, 1980  
 Company Doran & Associates Inc.  
 Address 200 Roessler Rd., Pgh., PA 15220  
 Farm Rosa Nicholson Acres 96.5  
 Location (waters) Buckeye Creek  
 Well No. #2 Elevation 1096  
 District Greenbrier County Doddridge  
 Quadrangle Big Isaac 7 1/2

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 renewed. This permit shall expire if  
 operations have not commenced by 9-28-81.

INSPECTOR  
TO BE NOTIFIED

STEPHEN CASEY  
Rt. 2 - Box 232-D  
JANE LEW, W.VA. 26378

ADDRESS 221 E. 30th St  
 PHONE (304) 884-7470

884-7470

*John B. Burdett*  
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 January 29, 19 79 by Rosa Nicholson made to Clarence W. Mutschelknaus and recorded on the 9 day of February 19 79 in Doddridge County, Book 107 Page 405  
 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 addresses \_\_\_\_\_ 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

Address  
of  
Well Operator

Very truly yours,  
 (Sign Name) Donald R. Laughlin  
 Well Operator  
 Donald R. Laughlin  
 200 Roessler Road  
 Street  
 Pittsburgh, PA 15220  
 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.

BLANKET BOND

47-017-2483-REN. PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements"

Signed by \_\_\_\_\_

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 S. W. Jack NAME Al Sorcan  
 ADDRESS P. O. Box 697, Indiana, PA 15701 ADDRESS Rte. 4, Box 444, Buckhannon, WV  
 TELEPHONE (412) 349-6800 TELEPHONE (304) 472-0007  
 ESTIMATED DEPTH OF COMPLETED WELL: 5600' ROTARY \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: ALEXANDER  
 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 - 16			
13 - 10	11 3/4	30'	To Surface
9 - 5/8			
8 - 5/8		1200'	To Surface
7			
5 1/2			
4 1/2		5600'	400 SACKS
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET SALT WATER 700 FEET  
 APPROXIMATE COAL DEPTHS 200  
 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