

**CERTIFICATE**

"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."

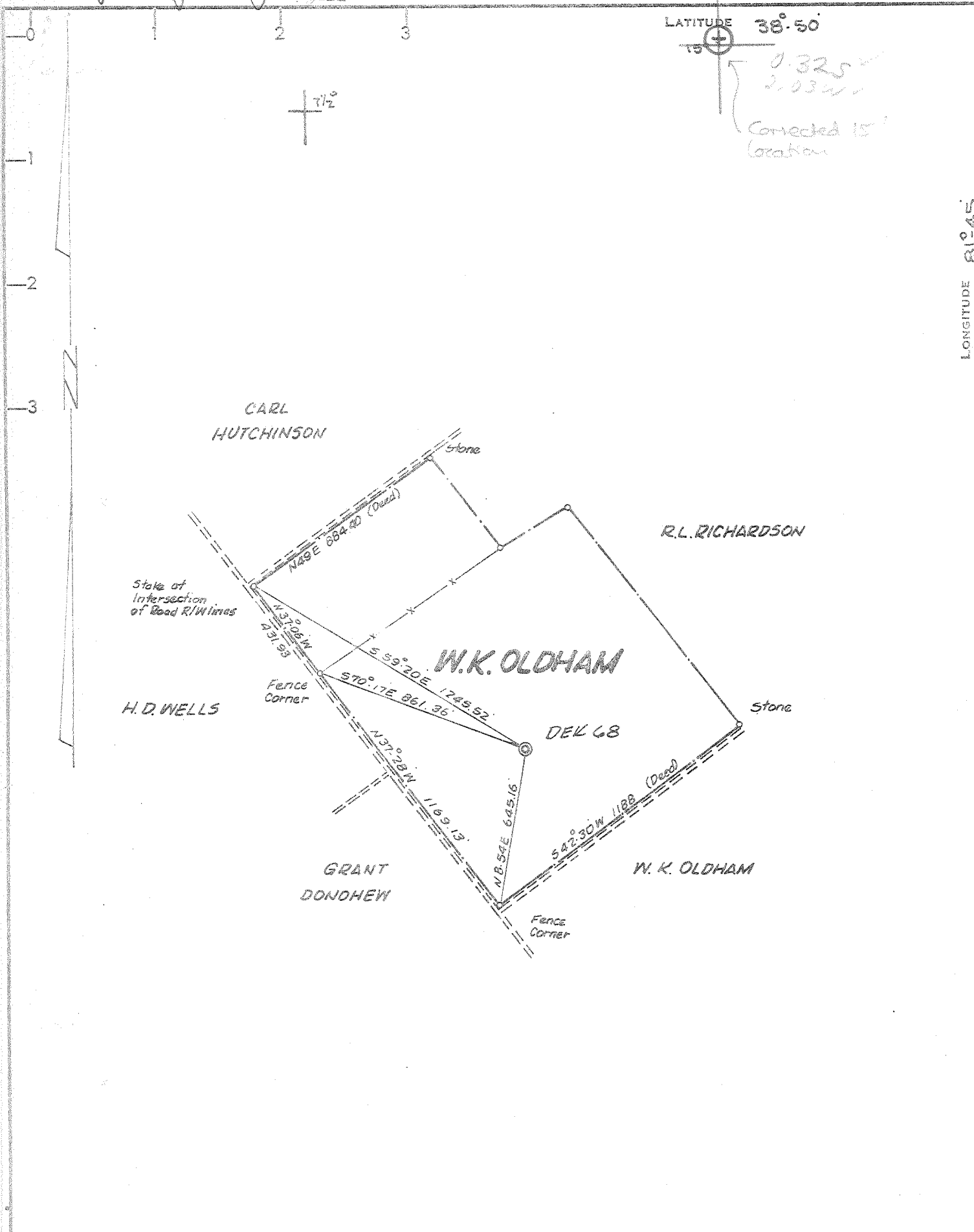
Minimum degree of accuracy is one part in 200

Signed Frank J. Barber LLS # 289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY First Oil & Gas  
 ADDRESS Rt 2 Box 538, Ft. Pleasant, W. 25350  
 FARM W. K. OLDHAM  
 MAP \_\_\_\_\_ ACRES 40 LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. DEK 68 SERIAL NO. \_\_\_\_\_  
 ELEVATION (SPIRIT LEVEL) 604.89  
 QUADRANGLE COTTAGEVILLE 7 1/2° RAVENSWOOD 15°  
 COUNTY JACKSON DISTRICT UNION  
 POINT OF PROVEN ELEVATION USCG BM. EL. 634 Standard Disk  
in Conc. Wall at Otterbein Church  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE SEPT. 13, 1978 SCALE 1" = 500 FT.

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP  
 FILE NO. JAC-1465 - P  
 + DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC  
 MAPS. SCALE 1 TO 24000 LATITUDE AND LONGITUDE LINES  
 BEING REPRESENTED BY BORDER LINES AS SHOWN. 47-035  
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.



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Minimum degree of accuracy is one part in 200

Signed Frank J. Barber LL# 289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY KAISER EXPLORATION & MINING COMPANY  
 ADDRESS BOX 537 RIPLEY, WEST VIRGINIA  
 FARM W. K. OLDHAM  
 MAP \_\_\_\_\_ ACRES 40 LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. DEK 68 SERIAL NO. \_\_\_\_\_  
 ELEVATION (SPIRIT LEVEL) 604.89 SE  
 QUADRANGLE COTTAGEVILLE 7 1/2° RAVENSWOOD 15°  
 COUNTY JACKSON DISTRICT UNION  
 POINT OF PROVEN ELEVATION USGS BM. EL. 834 Standard Disk  
in Conc. Wall of Otterbain Church  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE SEPT. 13, 1978 SCALE 1" = 800 FT.

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP  
 FILE NO. JAC-1465  
 + 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. 47-035  
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

Deep well 4625' - ORISKANY NORTH RIPLEY 342  
 6-6 OCT 17 1978



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

**RECEIVED**

DEC 6 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Cottageville  
Permit No. JAC-1465 (47-035-1465)

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

Company <u>KAISER EXPLORATION &amp; MINING CO.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 537, Ripley, W. Va.</u>	Size			
Farm <u>W. K. Oldham</u> Acres <u>40</u>	20-16			
Location (waters) <u>Mill Creek</u>	Cond.			
Well No. <u>DEK #68</u> Elev. <u>613 KB</u>	13-10"			
District <u>Union</u> County <u>Jackson</u>	9 5/8	210	210	100 Sax
The surface of tract is owned in fee by <u>W. K. Oldham, Evans, W. Va.</u>	8 5/8			
Address _____	7	2238	2238	75 Sax
Mineral rights are owned by <u>W. K. Oldham</u>	5 1/2			
Address <u>Evans, W. Va.</u>	4 1/2		4571	200 Sax
Drilling Commenced <u>9/22/78</u>	3			
Drilling Completed <u>9/28/78</u>	2		4505	
Initial open flow <u>17 MCFD</u> <del>xxxx</del> bbls.	Liners Used			
Final production <u>150 MCFD</u> <del>xxxx</del> per day bbls.				
Well open _____ hrs. before test <u>1550</u> RP.				

Well treatment details:

Attach copy of cementing record.

Perforated 4 1/2" casing @ 4511' to 4513' in Oriskany Sand with 16 holes. Frac with 813 BBL water and 37,000# sand.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Oriskany Sand Depth 4511 to 4513

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	28		
Shale			28	63		
Sand			63	110		
Shale			110	265		
Sand			265	285		
Shale			285	415		
Sand			415	430		
Shale			430	695		
Sand			695	728		
Shale			728	917		
Sand			917	1017		
Shale			1017	1083		
Sand			1083	1128		
Shale			1128	1155		
Sand			1155	1180		
Shale			1180	1510		
Maxon Sand			1510	1582		
Big Lime			1582	1700		
Shale			1700	1714		
Injun Sand			1714	1836		
Shale			1836	2167		
Coffee Shale			2167	2191		
Berea Sand			2191	2199		
Shale			2199	3364		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Brown Shale			3364	3837		
Shale			3837	4251		
Marcellus			4251	4403		
Onondaga L. S.			4403	4480		
Oriskany Sand			4480	4519		
Helderberg L. S.			4519	4585		
Total Depth			4585			

Date December 1, 1978

APPROVED Kaiser Exploration & Mining Co., Own

By Frank A. Payne  
 (Title)  
 Operations Manager

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS

035-1465-P

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, 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.

Farm name: OLDHAM, W. K. Operator Well No.: DEK-68

LOCATION: Elevation: 613.00 Quadrangle: COTTAGEVILLE RECEIVED  
District: UNION County: JACKSON Division of Energy  
Latitude: 1620 Feet South of 38 Deg. 50 Min. 0 Sec. 20 89  
Longitude: 10730 Feet West of 81 Deg. 45 Min. 0 Sec.  
Oil and Gas

Well Type: OIL \_\_\_\_\_ GAS X

Company: Durst Oil and Gas Coal Operator None  
Rt 2 Box 538 or Owner \_\_\_\_\_  
Pt. Pleasant, WV 25550 \_\_\_\_\_

Agent: \_\_\_\_\_ Coal Operator \_\_\_\_\_  
Inspector: Jerry Tephabock or Owner \_\_\_\_\_  
Permit Issued: 05/23/89 \_\_\_\_\_

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Jackson ss:

Ronald W. Durst Jr. and Dale W. Durst 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 Durst Oil and Gas, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 28th day of July, 1989, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
<u>250' Class A Cmt</u>	<u>4510'</u>	<u>4260'</u>	<u>4550' 2 3/8" tbg</u>	<u>0</u>
<u>100' Class A Cmt</u>	<u>2400'</u>	<u>2300'</u>	<u>2360' 4 1/2" csg</u>	<u>2211' 4 1/2" csg</u>
<u>100' Class A Cmt</u>	<u>1550'</u>	<u>1450'</u>	<u>1535' 7" csg</u>	<u>703' 7" csg</u>
<u>60' Class A Cmt</u>	<u>500'</u>	<u>440'</u>		
<u>100' Class A Cmt</u>	<u>250'</u>	<u>150'</u>	<u>0</u>	<u>210' 9 1/2" csg</u>
<u>50' Class A Cmt</u>	<u>50'</u>	<u>0'</u>		

Description of monument: \_\_\_\_\_

and that the work of plugging and filling said well was completed on the 28th day of July, 1989.

And further deponents saith not.

Sworn and subscribe before me this 17th day of November, 1989  
My commission expires: 3,390

X Ronald W. Durst Jr.  
X Dale W. Durst  
Jerry Tephabock  
Notary Public



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
SEP 18 1978

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 September 18, 1978

Surface Owner W. K. Oldham  
Address Evans, W. Va.  
Mineral Owner W. K. Oldham  
Address Evans, W. Va.  
Coal Owner Same as above  
Address \_\_\_\_\_  
Coal Operator Not operated  
Address \_\_\_\_\_

Company KAISER EXPLORATION & MINING CO.  
Address Box 537, Ripley, W. Va. 25271  
Farm W. K. Oldham Acres 40  
Location (waters) Mill Creek  
Well No. DEK #68 Elevation 604.89  
District Union County Jackson  
Quadrangle Cottageville 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. This permit shall expire if  
operations have not commenced by 1-19-79

*Robert H. [Signature]*

Deputy Director - Oil & Gas Division

INSPECTOR Richard J. Morris  
TO BE NOTIFIED

ADDRESS Grantsville, W. Va.

PHONE 354-7259

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 July 26 19 77 by W. K. Oldham made to Devon & Eason and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Jackson County, Book 145 Page 523  
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 \_\_\_\_\_ 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:

Very truly yours, KAISER EXPLORATION AND MINING CO.

(Sign Name) Karl A. Purca  
Well Operator Operations Manager

118 McGraw St.

Street

Ripley

City or Town

West Virginia 25271

State

Address  
of  
Well Operator

W. VA. OIL & GAS CONSERVATION COMMISSION  
113 WASHINGTON STREET, EAST  
CHARLESTON, WEST VIRGINIA 25311

\*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

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

PROPOSED WORK ORDER TO XXX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME FWA Drilling Co. NAME Robert A. Pryce  
 ADDRESS Box 448, Elkview, W. Va. ADDRESS Box 537, Ripley, W. Va.  
 TELEPHONE 965-3379 TELEPHONE 372-2827  
 ESTIMATED DEPTH OF COMPLETED WELL: 4625 ROTARY XXX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XXX 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			
9 - 5/8	200	200	100 sax = to surface
8 - 5/8			
7	2250	2250	75 sax = 675'
5 1/2			
4 1/2		4625	200 sax = 2400'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS None anticipated  
 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