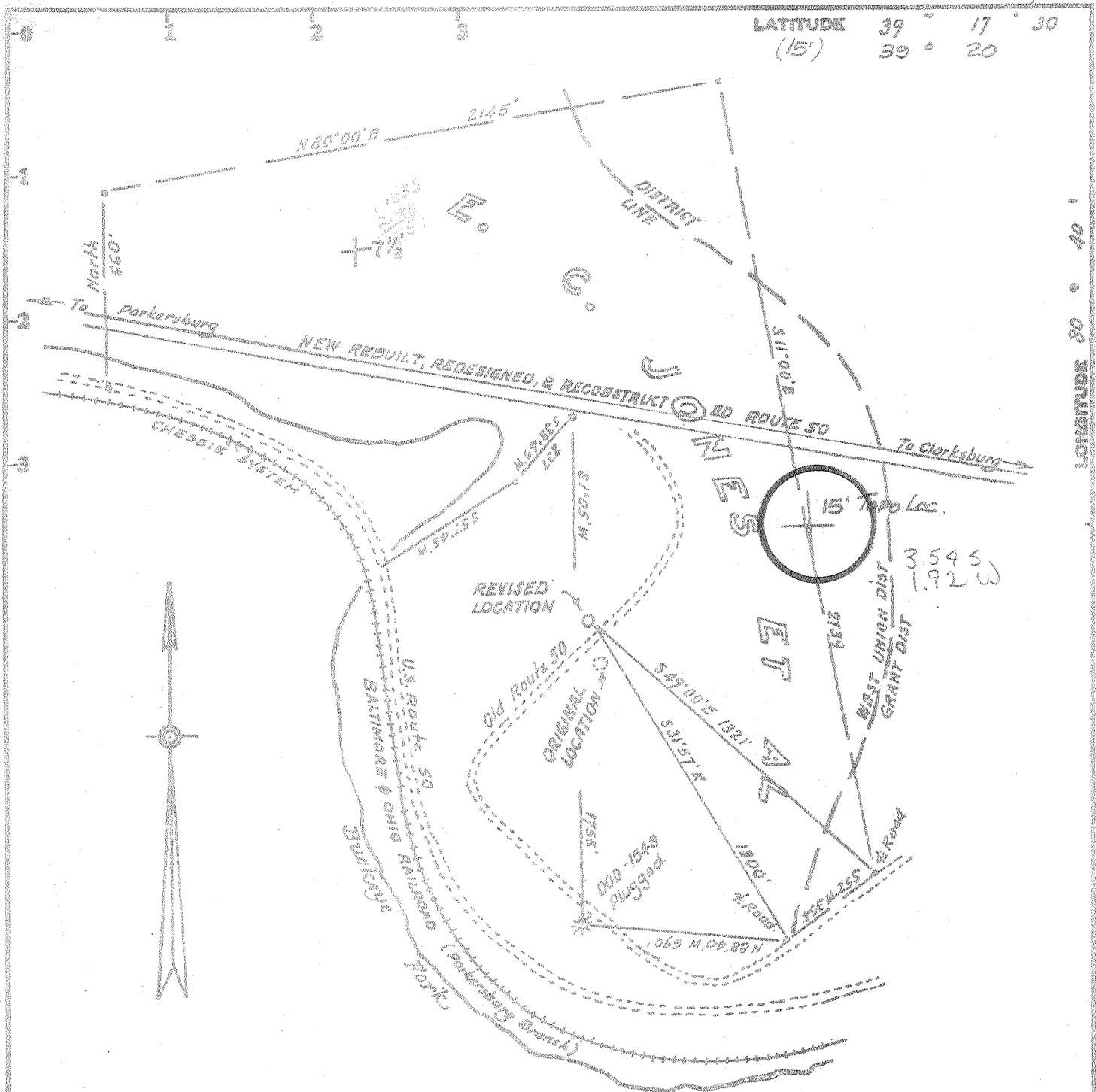


2/20/80 *RE*



REVISED LOCATION

Minimum Error of Closure 1 in 200

Source of Elevation U.S.G.S. B.M. at Morgansville = 812

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: *W. S. [Signature]*
 Squares: N S E W

Map No. _____

Company MERT DEVELOPMENT, INC.

Address Route 8, Box 336AA, Fairmont, W.Va.

Farm E.C. Jones, et al ARDEN ROWNS

Tract _____ Acres 75 Lease No. _____

Well (Farm) No. Mart No. 1 Serial No. _____

Elevation (Spirit Level) 967

Quadrangle Smithburg 7 1/2, CENTERPOINT 15' SW

County Doddridge District West Union

Engineer *W. S. [Signature]*

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date February 18, 1980 Scale 1" = 500'

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

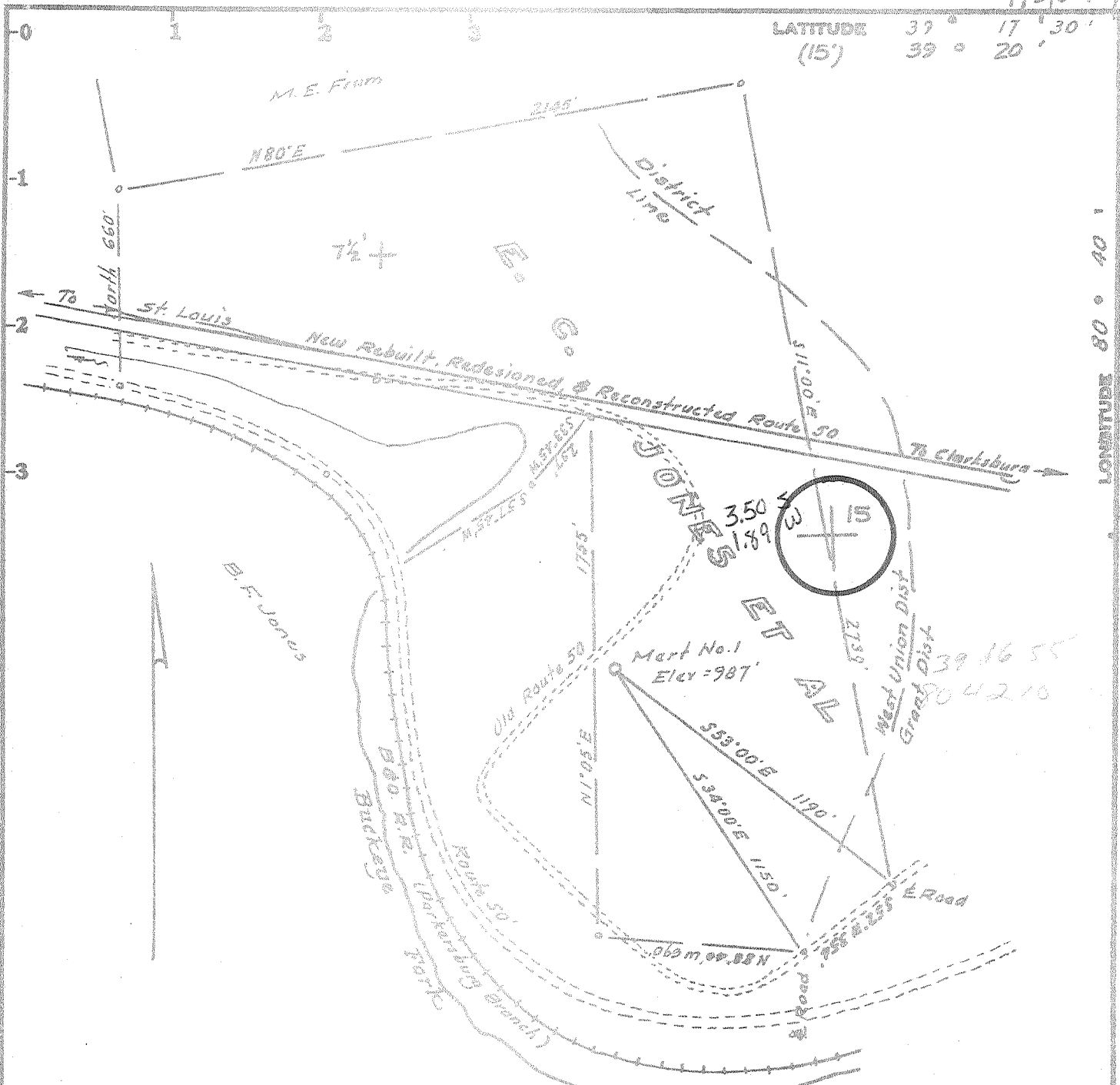
WELL LOCATION MAP

FILE NO. 47-017-2569 - Revised

+ Denotes location of well on United States Topographic Maps, scale 1 to ^{24,000}/_{62,500}, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

1/2/80 *ES*



OWNERSHIP

No coal mined in this vicinity
 Surface: Arden Rollins
 Oil & Gas: Edwin C. Jones et al.

Minimum Error of Closure 1 in 200

Source of Elevation USGS B.M. at Morgantown = 812'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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.

Signed: *W. S. Jones*

Map No. _____

Company Mart Development, Inc.

Address Route 8 Box 336AA Fairmont, W. Va.

Farm E.C. Jones et al

Tract _____ Acres 75 Lease No. _____

Well (Farm) No. Mart No. 1 Serial No. _____

Elevation (Spirit Level) 987

Quadrangle Smithburg 7 1/2', CENTERPOINT 15'

County Doddridge District West Union

Engineer W. S. Jones

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date Dec. 28, 1979 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. 47-017-2569

SW

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000 latitude and longitude lines being represented by border lines as shown.

-- Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUN 6 1980

Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES
Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Smithburg 7 1/2'

Permit No. 47-017-2569

Company MERT Development, Inc.
Address Rt. 8 Box 336-AA Fairmont, WV
Farm Charles B. Travis Acres 75
Location (waters) Buckeye Creek
Well No. 1 Elev. 860'
District West Union County Doddridge
The surface of tract is owned in fee by Charles B. Travis
Address Smithburg, WV
Mineral rights are owned by Edwin Jones, et al.
Address Morgantown, WV
Drilling Commenced 2-22-80
Drilling Completed 2-28-80
Initial open flow 103 cu. ft. -0- bbls.
Final production 1384 m cu. ft. per day trace bbls.
Well open 6 hrs. before test 1500# RP/3 days

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	48.3	48.3	CTS
9 5/8			
8 5/8	1368.95	1368.95	CTS
7			
5 1/2			
4 1/2	5086.06	5086.06	3355 x RFC
3			
1 1/2"	4856.02	4856.02	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perf Alexander 4880-4975, 14 holes; frac Alexander 50,000# 20/40 sd with 760 bbl treated water. Perf Bradford 4156-60, 12 holes; frac Bradford 10,000# 80/100 + 20/40 with 620 bbl treated fluid

Coal was encountered at none reported Feet _____ Inches _____
Fresh water 8' and 48' Feet _____ Salt Water none reported Feet _____
Producing Sand Alexander and Bradford Depth as above

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale	White	Soft	2050	2160		
Berea	White	Hard	2160	2170		
Shale	White	Soft	2170	2270		
Gordon	Gray	Soft	2270	2290		
Shale	Gray	Soft	2290	2600		
5th Sand	Gray	Hard	2600	2620		
Shale	Gray	Soft	2620	2639		
Sand	Gray	Hard	2639	2666		
Shale	Gray	Soft	2666	2936		
Sand	Gray	Soft	2936	3180		
Shale	Gray	Soft	3180	4110	Gas-3289	68/10 on 1" water
Sand	Gray	Soft	4110	4120		
Shale	Gray	Soft	4120	4610	Gas-4002	78/10 on 1" w/water
Shale	Brown	Soft	4610	4650		
Sand	Gray	Hard	4650		Gas-5019	6/10 on 2" w/water

log TD. 5295
(over)

* Indicates Electric Log tops in the remarks section.

JUL 7 1980

BLANKET BOND

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
						* Electric Log Tops: Little Lime 1510-1530 Blue Monday 1538-1580 Big Lime 1580-1620 Injun 1620-1726 Weir 1872-1960 Berea 2078-2098 Gordon 2294-2321 Fifth 2594-2600 Warren 2946-2986 Lower Balltown 3694-3701 Bradford 4156-4165 Alexander 4877-4976

Date 6-5 1980
 APPROVED _____ Owner
 By V.P.
 (Title)



RECEIVED
DEC 31 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
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 12-28-79

Surface Owner Arden Rollins
Address Smithburg WV
Mineral Owner Edwin C. Jones et.al.
Address Morgantown, West Virginia
Coal Owner Edwin C. Jones et.al.
Address As above
Coal Operator NONE
Address _____

Company MERT Development, Inc.
Address Fairmont, West Virginia
Farm Edwin Jones Acres 75
Location (waters) Buckeye Creek
Well No. 1 Elevation 843 987
District West Union County Doddridge
Quadrangle Smithburg 7 1/2 Min

PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
drilling. This permit shall expire if
operations have not commenced by 9-2-80.

INSPECTOR
TO BE NOTIFIED _____
ADDRESS _____
PHONE _____

Robert L. [Signature]
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 November 30 1972 by Edwin C. Jones et. al. made to Royal Resources Corp and recorded on the 6 day of Dec 1973 in Doddridge County, Book 98 Page 60

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

Address
of
Well Operator

Very truly yours,
(Sign Name) _____

[Signature]
Well Operator
Rt 8 Box 336-AA
Street
Fairmont
City or Town
West Virginia 26554
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.

47-017-2569

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 _____

BLANKET BOND

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Ray Resources _____ NAME R.J. Yedlosky _____
 ADDRESS Charleston, WV _____ ADDRESS Fairmont, WV _____
 TELEPHONE 344-8393 _____ TELEPHONE 366-9111 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 5300 _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: aAlexander _____
 TYPE OF WELL: OIL _____ GAS _____ 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	30	30	CTS
9 - 5/8			
8 - 5/8	1200	1200	CTS
7			
5 1/2			
4 1/2	5250	5250	2500' fillup
3			Perf. Top 5100
2			Perf. Bottom 5150
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 30 FEET _____ SALT WATER 1150 FEET _____
 APPROXIMATE COAL DEPTHS None reported _____
 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