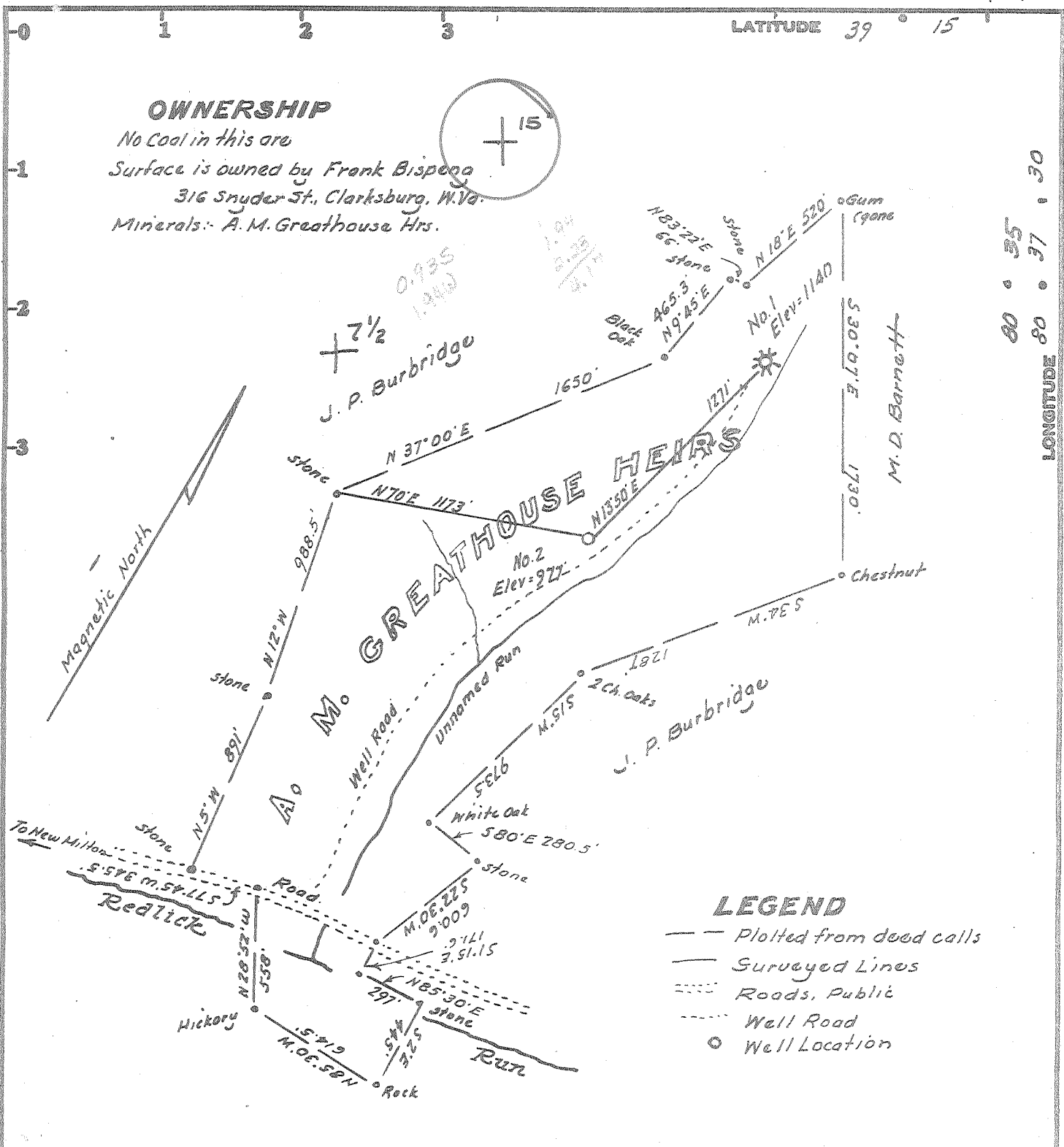


5/15/79



OWNERSHIP

No Coal in this are
 Surface is owned by Frank Bispena
 316 Snyder St., Clarksburg, W.Va.
 Minerals: A. M. Greathouse Hrs.

LATITUDE 39 15

LONGITUDE 80 37 30

LEGEND

- Plotted from dead calls
- Surveyed Lines
- Roads, Public
- Well Road
- Well Location

Minimum Error of Closure 1 in 200

Source of Elevation Elev Well No. 1 = 1140

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment..... 5/23/79

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: [Signature]
 Squares: N E W

Map No.

Company PETROLEUM RESOURCES INC.
 Address 19772 Thousand Oaks St. Mt Clemens, Mich
 Farm A. M. Greathouse Hrs. FRANK BISPEN
 Tract _____ Acres 118.039 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 977' WC
 Quadrangle New Milton 7 1/2, VADIS 15'
 County Doddridge District New Milton
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 9, 1979 Scale 1" = 40p = 660'

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

WELL LOCATION MAP

FILE NO. 47-017-2435-P

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

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

JUL 17 1979

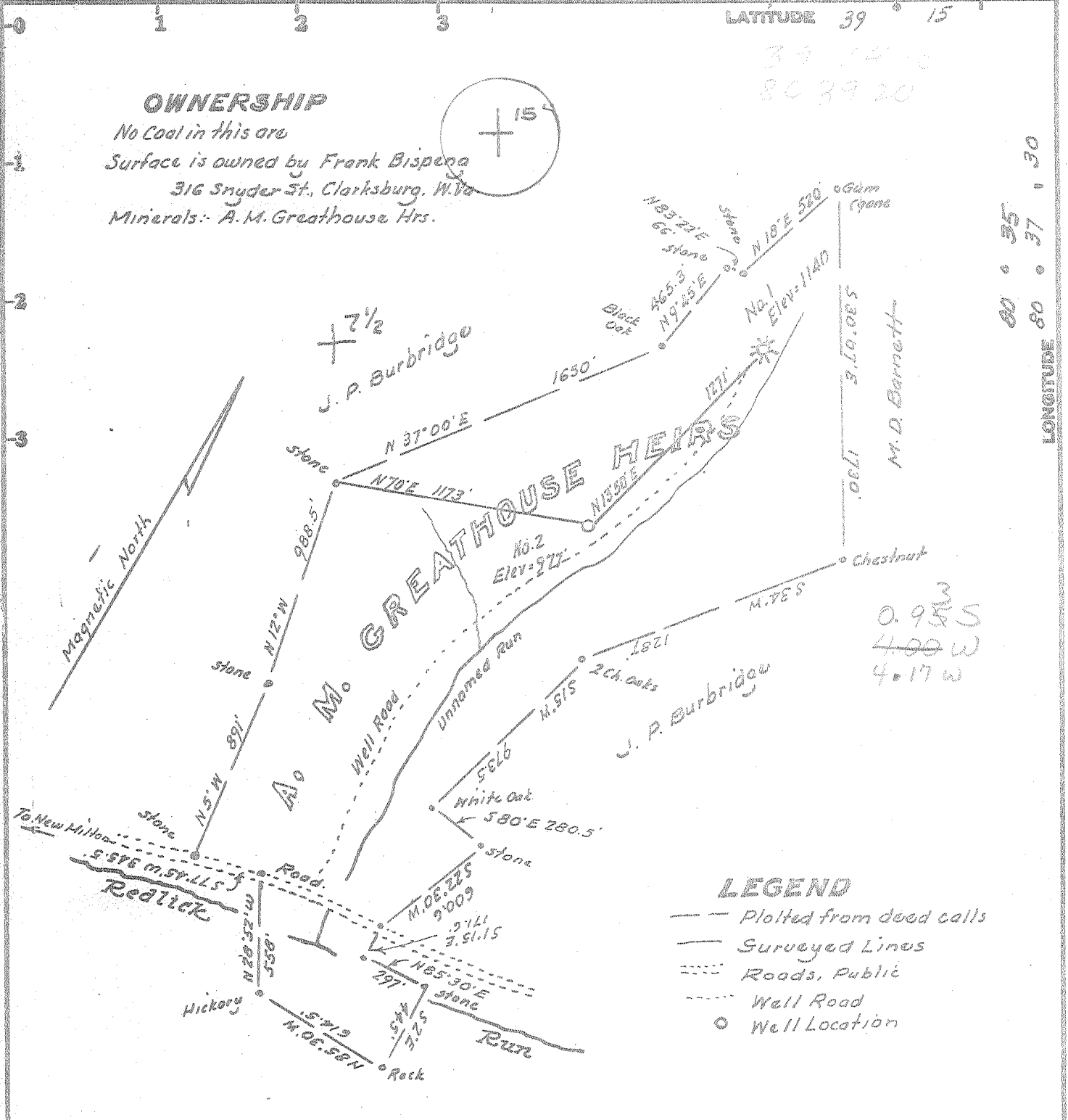
2500' Big Injunct

LATITUDE 39 15

39 15
80 39 20

OWNERSHIP

No Coal in this ore
Surface is owned by Frank Bispena
316 Snyder St., Clarksburg, W.Va
Minerals: A.M. Greathouse Hrs.



LONGITUDE 80 37 30

0.95 S
4.00 W
4.17 W

LEGEND

- Plotted from dead calls
- Surveyed Lines
- Roads, Public
- Well Road
- Well Location

Minimum Error of Closure Lin 200

Source of Elevation Elev Well No 1 = 1140

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. H. H. [Signature]
Squares: N S E W

Map No.

Company PETROLEUM RESOURCES INC.
Address 19772 Thousand Oaks St. Mt Clemens Mich
Farm A.M. Greathouse Hrs FRANK BISPEN
Tract _____ Acres 118.039 Lease No. _____
Well (Farm) No. Two Serial No. _____
Elevation (Spirit Level) 977' NC
Quadrangle New Milton 7 1/2, VADIS 15'
County Doddridge District New Milton
Engineer W. H. H. [Signature]
Engineer's Registration No. 1227
File No. _____ Drawing No. _____
Date April 9, 1979 Scale 1" = 40p = 660'

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

WELL LOCATION MAP

FILE NO. 47-017-2435

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.
MAY 28 1979



RECORDED

JUL - 5 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Vadis
Permit No. 47-017-2435

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ Dry
(Kind)

Company Petroleum Resources Inc.
Address 38442 Jonathan Dr. Mt. Clement, Mich.
Farm A.M. Greathouse Acres 118
Location (waters) Red Lick
Well No. 2 Elev. 944'
District New Milton County Doddridge
The surface of tract is owned in fee by _____
Frank Bisping
Address 316 Snyder St. Clarksburg, W. Va.
Mineral rights are owned by A.M. Greathouse Heirs
Address Rt. 1 Box 89, Clarksburg,
Drilling Commenced May 20, 1979
Drilling Completed May 22, 1979
Initial open flow 0 cu. ft. 0 bbls.
Final production 0 cu. ft. per day 0 bbls.
Well open 24 hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	25'	25'	
9 5/8			
8 5/8	801'	801'	Back to sur.
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Well plugged by Halliburton on May 23, 1979

Coal was encountered at none Feet _____ Inches _____
Fresh water 125' Feet _____ Salt Water _____ Feet _____
Producing Sand Dry Hole Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay & Shale	gray	soft	0	328'	Water @ 125'	
Shale	gray	soft	328'	608'		
Red Rock	red	soft	608'	639'		
Shale	gray	soft	639'	800'		
Red Rock	red	soft	800'	821'		
Shells	gray	med.	821'	920'		
Shale	gray	soft	920'	925'		
Sandy Shale	gray	med	925'	1170'		
Shale	red-gray	soft	1170'	1380'		
Lime	gray	med	1380'	1410'		
Shale	black	soft	1410'	1850'		
Salt Sand	white	hard	1850'	1932'		
Sandy Shale	gray	soft	1932'	2070'		
Maxton Sand	white	hard	2070'	2084'		
Shale	gray	soft	2084'	2114'		
L. Lime	gray	med	- 2114'	2136'		
Shale	black	soft	2136'	2160'		
B. Lime	gray	hard	- 2160'	2200'		
Keener Sd.	white	hard	2200'	2222'		
Shale	gray	soft	2222'	2226'		
Big Injun	white	med	2226'	2299'		
Shale	gray	soft	2299'	2354'		
Total Depth			2354'			

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAY - 7 1979

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 April 30, 1979

Surface Owner Frank Bispina

Company Petroleum Resources Inc. *Michigan*

Address 316 Snyder St., Clarksburg, W. Va.

Address 38442 Jonathan Dr. *Mr. Clement*, Michigan

Mineral Owner A. M. Greathouse Heirs

Farm A. M. Greathouse Acres 118

Address Rt. 1, Box 89, Clarksburg, W. Va.

Location (waters) Red Lick

Coal Owner Frank Bispina

Well No. 2 Elevation 944'

Address 316 Snyder St. Clarksburg, W. Va.

District New Milton County Doddridge

Coal Operator None

Quadrangle New Milton 7"

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 1-15-80.

Robert T. [Signature]

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul W. Garrett

ADDRESS Clarksburg, W. Va.

PHONE (304)622-3871

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 1, 1963 by Freeman C. Greathouse made to Harold B. Smith and recorded on the 9th. day of August 1963, in Doddridge County, Book 81 Page 197

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 April 30 day 1979 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

Very truly yours,
(Sign Name) Harold B. Smith

Well Operator
PETROLEUM RESOURCES INC.
19772 Thousand Oaks

Address of Well Operator

Street
Mr. Clements

City or Town

Michigan 48043

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.

Single
BLANKET BOND

47-017-2435 PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Not positive at mailing date - to be announced later. _____ NAME Harold B. Smith Charles Smith
 ADDRESS _____ RT. 1, Horner, W. Va. 26372
 ADDRESS 2521 Evergreen Drive, Indiana, Pa.
 TELEPHONE _____ TELEPHONE (412) 349-2586 452-8435
 ESTIMATED DEPTH OF COMPLETED WELL: ± 2500' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun Sand
 TYPE OF WELL: OIL _____ GAS _____ COMB. X 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	30'	30'	
13 - 10			
9 - 5/8			
8 - 5/8	800'	800'	Cement back to surface
7			
5 1/2			
4 1/2		Run to T.D.	Cement over pay zone +300'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS ± 625'
 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