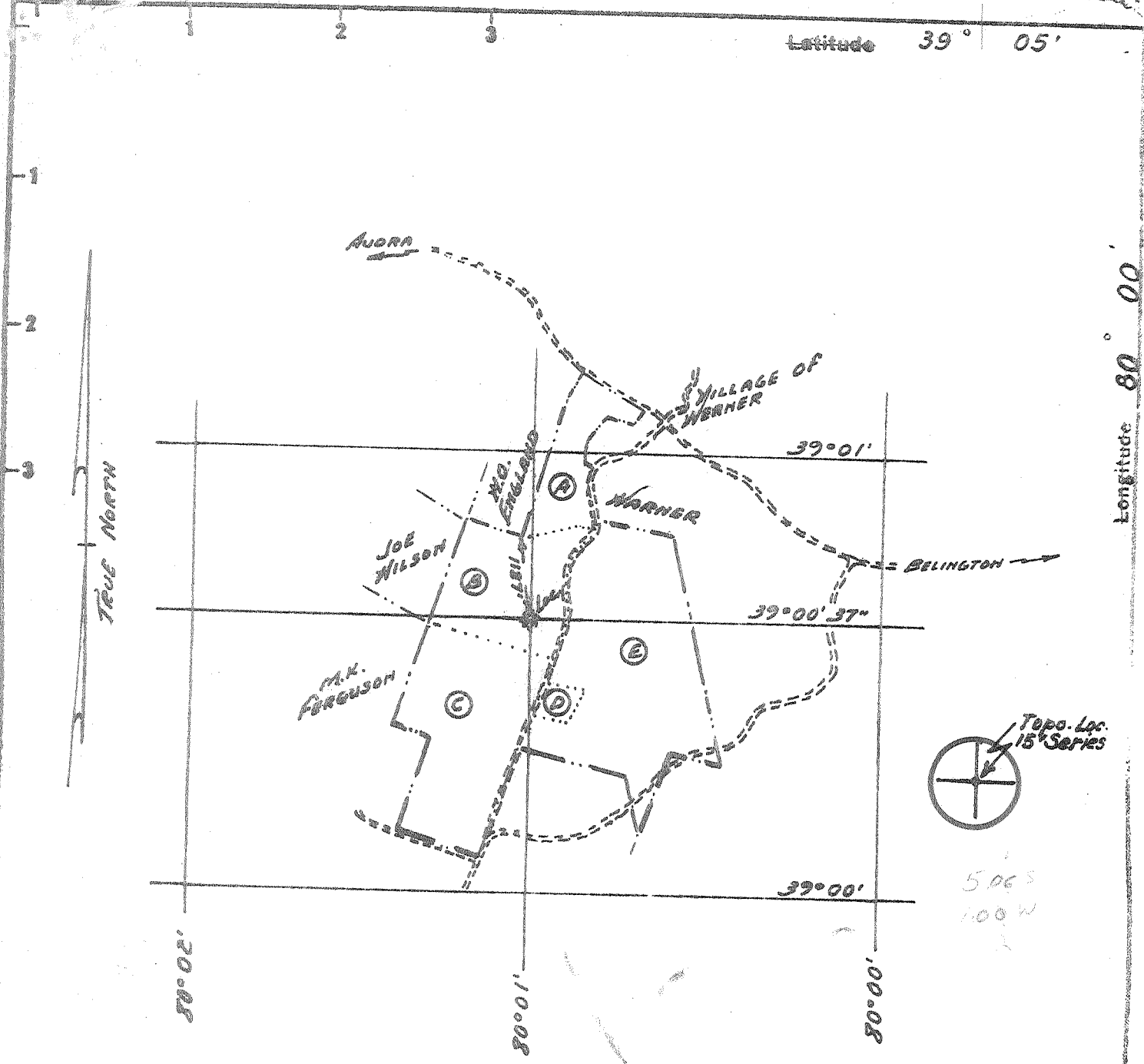


Latitude 39° 05'

Longitude 80° 00'



TRACT	OWNER	ACREAGE
A	HARTSEL JUDER	31.50
B	JUNIOR PHILLIPS	55.80
C	M.K. FERGOUSON	95.48
D	LEONARD REGISTER	5.80
E	RUSSELL PROPST	147.00
UNIT		335.58

- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia. *Paul G. Dean*

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations. **PROVEN ELEVATION**

Company *FUEL RESOURCES, INC. % MONITOR TETRALEUM CORP.*

Address *521 FIFTH AVE. N.Y. N.Y. 10017*

Farm *Jr. PHILLIPS UNIT*

Tract *Acres 335.58* Lease No. _____

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

Elevation (Spirit Level) *2245'*

Quadrangle *PHILIPPI SE*

County *SARBOUR* District *VALLEY*

Engineer *PAUL G. DEAN*

Engineer's Registration No. *1856*

File No. _____ Drawing No. *72-118 A*

Date *Jan. 10, 1974* Scale *1" = 2000'*

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

WELL LOCATION MAP
FILE NO. *BAR-668-PP*
Corrected Plat

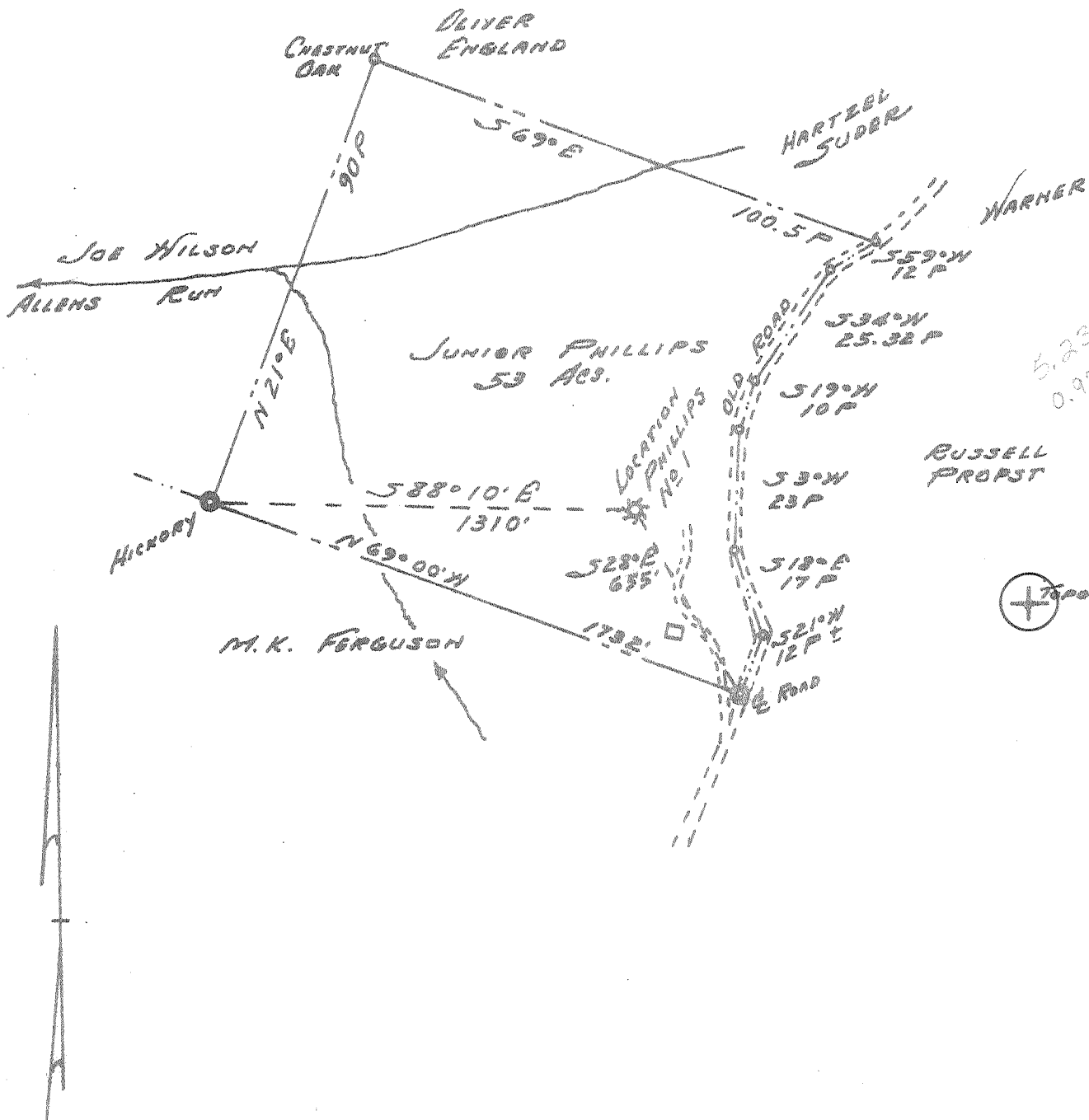
* Denotes location of wells in United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

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

Deep Well

Latitude 39° 05'

Longitude 80° 00'



Fracture Before 6/5/29
 New Location
 Drill Deeper
 Redrill
 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia. *Paul G. Dean*
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations. **PROVEN ELEVATION: 2245' AT ROAD 3200' N.E. OF LOC. WARNER**

Company Fuel Resources, Inc. No. 10
MONITOR PETROLEUM CORP.
 Address 521 FIFTH AVE, N.Y., N.Y. 10017
 Farm JUNIOR PHILLIPS
 Tract 2 Acres 53 Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 2245
 Quadrangle PHILIPPI SE
 County BARBOUR District VALLEY
 Engineer PAUL G. DEAN
 Engineer's Registration No. 1856
 File No. 136-11-27 Drawing No. 73-118
 Date DEC. 12, 1973 Scale 1" = 30 P. = 495'

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

WELL LOCATION MAP
 FILE NO. Bar-66B

+ 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.

47-001

(Oriskany)

Deep well JAN 11 1974



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED

MAR 28 1974

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Phillipi
Permit No. BAR-668-PP

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

Company Monitor Petroleum Corporation
Address Box 287 Sandy Hook, Ky. 41171
Farm Junior Phillips Acres 53
Location (waters) Hanging run
Well No. No. 1 Elev. 2245
District Valley County Barbour
The surface of tract is owned in fee by _____
Junior Phillips
Address Belington, W. Va.
Mineral rights are owned by Junior Phillips
Address Belington, W. Va.
Drilling Commenced 12-26-73
Drilling Completed 1-31-74
Initial open flow 1,679 m cu. ft. _____ bbls.
Final production 6,601 m cu. ft. per day _____ bbls.
Well open _____ 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"			
9 5/8		646 ft.	550 Cu. Ft.
8 5/8		1668	620 Cu. Ft.
7			
5 1/2			
4 1/2		4129	1500 Cu. Ft.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

~~Benson sand fractured 915 Barrels of KCL water with 56000 lbs. of 240 sand~~
~~2000 gals acid~~
~~gants 1,000 gals HCl acid~~ 6,101 mcf Gantz + 500 mcf Benson

Coal was encountered at none Feet _____ Inches _____
Fresh water _____ Feet 50' Salt Water none Feet _____
Producing Sand Gantz + Benson Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
sand	brown	Med.	0	30		
sand	white	Hard	30	51	water	50' 2''
coal	Black	soft	51	58		
sand, shale	Gray	Med.	58	120		
sand	gray	hard	120	169		
shale	gray	soft	169	187		
sand	white	hard	187	219		
Black, slate-black		soft	219	224		
sand	gray	hard	224	418		
shale	gray	soft	418	458		
salt, sand	gray	hard	458	728		
shale	gray	hard	728	779		
sand	white	hard	779	800		8110
shale	gray	soft	800	856		4020
redrock	red	soft	856	889		4090
sand	white	hard	889	901		
redrock	red	soft	901	930		
shale	gray	soft	930	942		
sand	gray	hard	942	955		
redrock	red	soft	955	1008		
shale	gray	soft	1008	1022		
sand, shale	gray	Med.	1022	1252		
Lime	gray	Med.	1252	1273		
R.R-shale	red & gray	Med.	1273	1306		

(over)

* Indicates Electric Log tops in the remarks section.

APR 26 1974

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Big Line	gray	hard	1306	1437		
Injun, sd.	redish	hard	1487	1570		
sd & sh	gray	med.	1570	1775		
red rock	red	soft	1775	1790		
sh & RR	gray, red	soft	1790	1865		
sand	gray	Med.	1865	1875		
R.R. & sh	red, gray	soft	1875	1888		
sand, sh	gray	Med.	1888	1980		
RR & sh.	red, gray	soft	1980	2030		
sand	white	hard	2030	2046		
RR & sh	red, gray	soft	2046	2197		
sand	gray	Med.	2197	2209		
shale	gray	soft	2209	2219		
sand	gray	Med.	2219	2248		
shale	gray	soft	2248	2260		
sand	gray	Med.	2260	2276		
shale	gray	soft	2276	2995		
sand	gray	Med.	2995	3085		
sh & sd	gray	soft	3085	3895		
Benson, sd-brown		Med.	3895	4020		
sd & sh	gray	Med.	4020	7463		
Tullylime	gray	Med.	7463	7503		
Marcellus	black	soft	7503	7764		
Onedaga L.	gray	Med.	7764	7780		
Chert	gray	hard	7780	7962		
Crickany sd	gray	hard	7962	8085		
Holderberg	gray	hard	8085	8110-TD		
					Gas	3012 1 flare - U. Dev. Sh.
					Gas	4227 2 flares
					Gas	4627 3/10-5/8 PH20
					Gas	5433 50/10-5/8 PH20
					Gas	5832 50/10-5/8 PH20
					Gas	6354 5/10-5/8 PH20
					Gas	6477 70/10-5/8 PH20
					Gas	7000 18/10-1" PH20
					Gas	7475 6/10-1" PH20 - Tully
					Gas	7569 16/10 PH20 - Marcell.
						7818 12/10 " " - Hunt.
						7989 6/10 " " - Crisk

Gas-mercury 1613' 15/10 7"
 Nat. 1,654 mcf Gantz
 (1608-25)

Benson 25 mcf. nat.

mid.
Dev.
Sh.

4129'

plugged back 4129'

8110'
 4020
 4090 explor. ft.

Date _____, 19__

APPROVED _____ Owner

By _____ (Title)



RECEIVED

DEC 28 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 December 20, 1973

(FEE SIMPLE TITLE)

Surface Owner Junior Phillips

Company Fuel Resources, Inc.

Address Belington, W. Va.

% Monitor Petroleum Corp. 521 5th Ave.

Mineral Owner Junior Phillips

Address New York, N.Y., 10017

Address Belington, W. Va.

Farm Junior Phillips Acres 53

Coal Owner Junior Phillips

Location (waters) Hanging Run

Address Belington, W. Va.

Well No. (1) Elevation 2245'

Coal Operator _____

District Valley County Barbour

Address _____

Quadrangle Philippi S.E.

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 Phillips. This permit shall expire if operations have not commenced by 4-28-74

INSPECTOR TO BE NOTIFIED Thomson

Boyle PH: 472-6418

Buckhannon

W.V. 26201

[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 December 15, 1973 by Jr. Phillips & Laura Phillips (Wife) to Fuel Resources, Inc. and recorded on the 18th day of December 1973 in Barbour County, Book 72 Page 58

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 this 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 679
Martinsburg, W. Va. 26105
AC 204-296-4461

Address
of
Well Operator

Very truly yours, Fuel Resources, Inc.
(Sign Name) Cyril E. Pruitt
Well Operator
% Monitor Petroleum Corp.
521 5th Avenue
Street
New York
City or Town
New York 10017
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.

BOND BILL

BAR- 668 PERMIT NUMBER 47-001

**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 Union Drilling, Inc. NAME Eugene Pruitt
 ADDRESS P.O. Dr. 40, Buckhannon, W. Va., 26201 ADDRESS Box 30, Heavner Acres, Elkins, W. Va.
 TELEPHONE 472-4610 TELEPHONE 636-4213
 ESTIMATED DEPTH OF COMPLETED WELL: 7,000' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 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 11-3/4"	600'	600'	500 - Sacks Cement
9 - 5/8			
8 - 5/8	1800'	1800'	200 - Sacks Cement
7			
5 1/2			
4 1/2	7000'	7000'	350 - Sacks Cement
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS ? FEET _____ SALT WATER _____ FEET _____

APPROXIMATE COAL DEPTHS ? _____

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