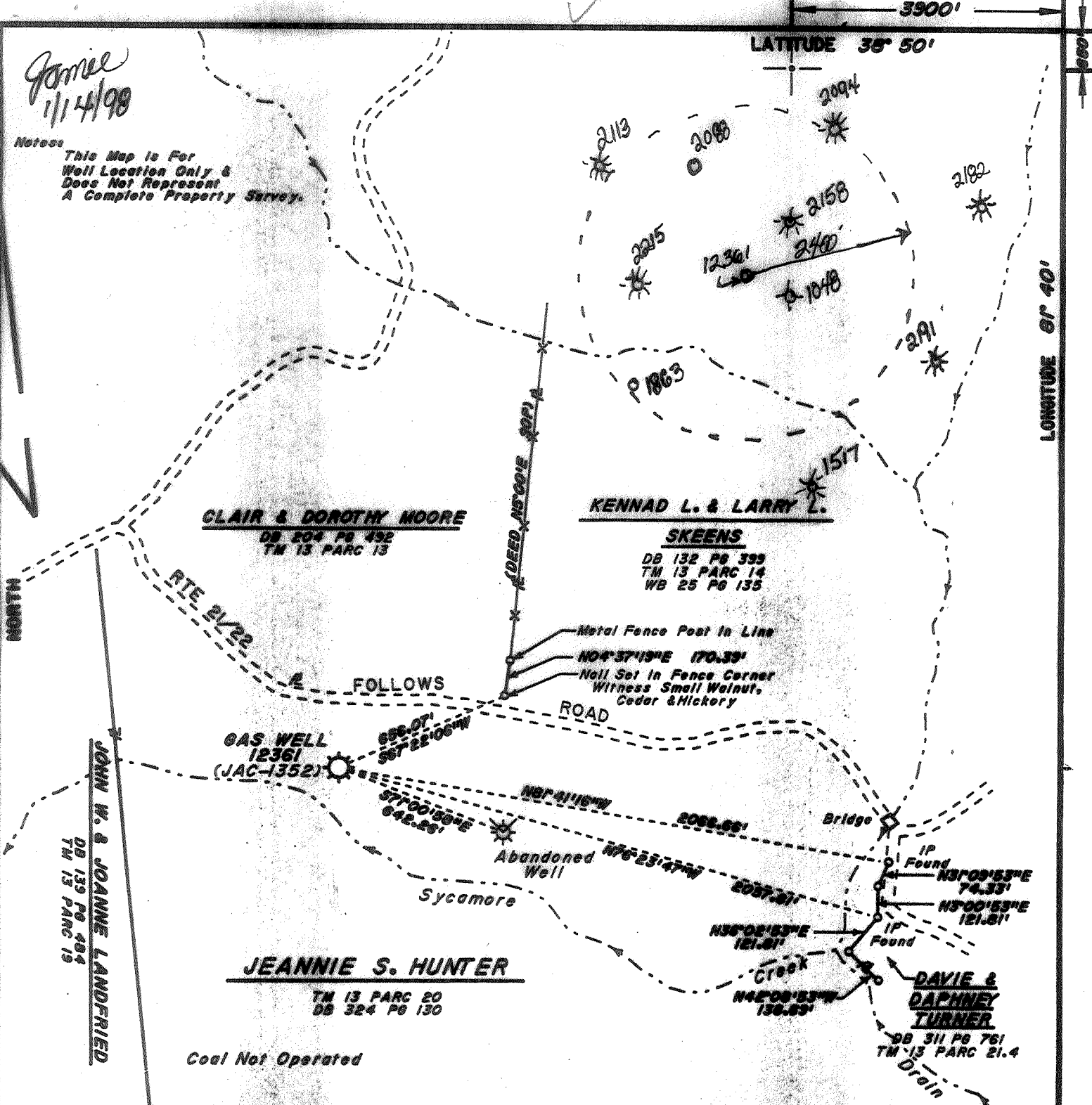


*Jamie*  
1/14/98

Notes  
This Map is For  
Well Location Only &  
Does Not Represent  
A Complete Property Survey.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION U.S.C.S. Datum Point At West End Of Steel Bridge On RTE 21/22 Elev. 613.00

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 ENERGY.  
(SIGNED) Richard L. Coty  
R.P.E. 9936 L.L.S. 799

PLACE SEAL HERE

WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
#10 McJUNKIN ROAD  
NITRO, WEST VIRGINIA 25142-2506

DATE January 9, 1995  
OPERATOR'S WELL NO. 12361  
API WELL NO. 47 035 01352-P  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 604.03 WATER SHED Sycamore Creek  
DISTRICT Ripley COUNTY Jackson  
QUADRANGLE Ripley COORDINATES LAT. 38°49'58" LONG. 81°40'50"

SURFACE OWNER Jeanie S. Hunter, Et Con. ACREAGE 293.5  
OIL & GAS ROYALTY OWNER Jeanie S. Hunter, Et Con. LEASE ACREAGE 293.5  
COAL OWNER Jeanie S. Hunter, Et Con. LEASE NO. 1196559

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Well drilled in 1973 by Patrick Petroleum TO 4870 Columbia Plugging

PLUG AND ABANDON  CLEAN OUT AND REPLUG

TARGET FORMATION Oriskany ESTIMATED DEPTH 4852

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L. COTY  
ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273



JACKSON  
COUNTY NAME  
1352  
PERMIT

JAN 16 1995  
Permanent

LATITUDE  $7.5' 38^{\circ} 50'$   
 $15' 38^{\circ} 50'$   
 $15'$

LONGITUDE  
 $15' 81^{\circ} 40'$   
 $7.5' 81^{\circ} 40'$

Tax-3  
Quad-112  
Section-7  
Lat.  $38^{\circ} 50' 0.14''$   
Long.  $81^{\circ} 40' 0.74''$

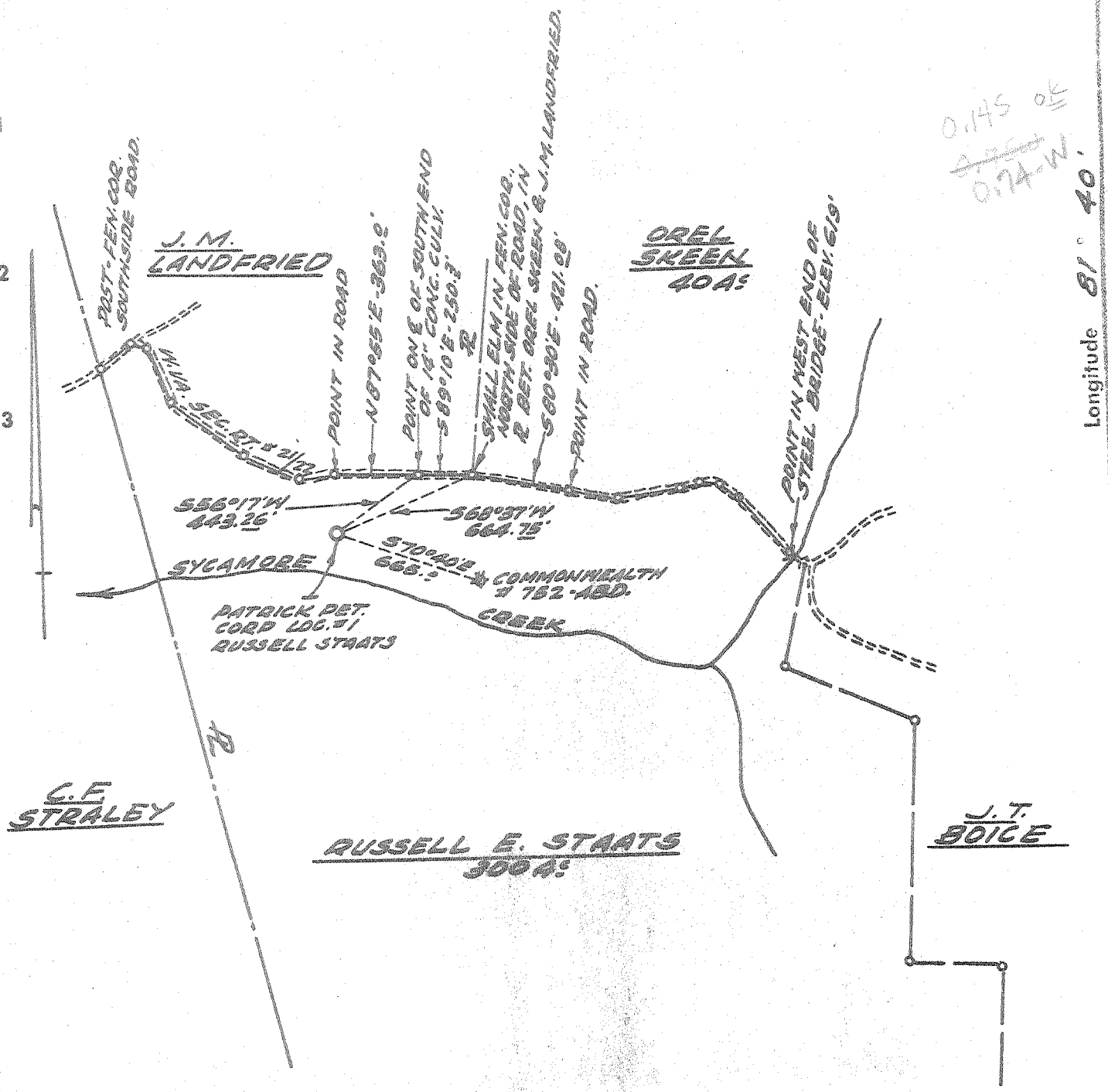
location in data base       $7.5$  OGIS topo location

$7.5' 10c$	<u>0.11S</u>	$15' 10c$	<u>0.11S</u>
	<u>0.73W</u>	(calc.)	<u>0.73W</u>

Company Patrick Petroleum Corp.  
Farm Russel E. Staats  
Quad Ripley SW  
County Jackson  
District Ripley

WELL LOCATION MAP  
File No. 035-1352

Latitude 38° 56' +  
7000  
600.



ELEVATION: U.S.G.S. DATUM POINT AT WEST END OF STEEL BRIDGE ON RT. 21/22 - ELEV. 619.2

**COAL NOT OPERATED**

- 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.  
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.

Company PATRICK PETROLEUM CORP. PROJECT #2  
PETROLEUM DEVELOPMENT CORP.  
 Address CHARLESTON, W.VA.  
 Farm RUSSELL E. STAATS  
 Tract \_\_\_\_\_ Acres 300 Lease No. W.V. 18-0050  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 605.83'  
 Quadrangle RIPLEY, W.VA. SW  
 County JACKSON District RIPLEY  
 Surveyor Jarrel R. Cundenin  
 Surveyor's Registration No. 259  
 File No. BK. 3-PG. 181 Drawing No. \_\_\_\_\_  
 Date DEC. 6, 1972 Scale 1" = 660'

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

WELL LOCATION MAP  
 FILE NO. Jac-1352

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Ripley  
Permit No. JAC-1352

Company PATRICK PETROLEUM CORPORATION  
Address Suite 901 Neisen Building Charleston, West Virginia 25301  
Farm RUSSELL E. STAATS Acres 370  
Location (waters) Sycamore Creek  
Well No. One (1) Elev. 620' EKB  
District Ripley County Jackson  
The surface of tract is owned in fee by Russell E. Staats  
Address Ripley, West Virginia  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 1-14-73  
Drilling Completed 1-30-73  
Initial open flow 467 M cu. ft. \_\_\_\_\_ bbls.  
Final production 267M 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'	97'	97'	1-15 - 85 Sks.
9 5/8	2339'	2339'	1-26 - 465 Sks.
8 5/8			
7			
5 1/2			
4 1/2	4986'	4986'	2-1 - 160 Sks.
3			
2			
Liners Used			

Attach copy of cementing record.

Well treatment details:  
5-11-73 - 750 gal. 15% acid  
5-14-73 - 1000 gal. 15% acid  
8-30-73 - 1200 gal. 28% & 3000 gal. 15% acid  
11-14-73 - 2800# Sand & 725 bbls. treating fluid

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand Oriskany Depth 4833 - 4043 11 holes

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	140		
Sand			140	194		
Shale			194	400		
Sand			400	444		
Shale & Sand			444	534		
Sand & Shale			534	890		
Shale & Sand			890	1088		
Sand			1088	1110		
Shale & Sand			1110	1245		
Lime, Shale & Sand			1245	1522		
Lime			1522	1568		
Sand			1568	1614		
Shale & Lime			1614	1682		
Lime			1682	1807		
Shale			1807	1846		
Sand			1846	1926		
Shale & Sand			1926	2078		
Shale			2078	2258		
Coffee Shale			2258	2282		
Berea			2282	2288		Show oil
Shale			2288	4733		Show gas
Corniferous			4733	4832		
Oriskany			4832	4870		Gas - 510 MCF

RECEIVED

FEB 14 1974

OIL & GAS DIVISION  
DEPT. OF MINES

(over)

\* Indicates Electric Log tops in the remarks section.

NEWBURG 5637-5643

Newburg 5637-5643

T.D. 5686 in McKenzie

P. back to 4986

5686  
4870  

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816 Expl. Ft.

NEWBURG

NEWBURG

NEWBURG

NEWBURG

NEWBURG



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
DEC 12 1972  
OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division  
OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

Project #2

Surface Owner Russell E. Staats  
Address Ripley, W. Va.  
Mineral Owner Sane  
Address \_\_\_\_\_  
Coal Owner No Coal  
Address \_\_\_\_\_  
Coal Operator No Coal  
Address \_\_\_\_\_

DATE DECEMBER 8, 1972  
Company PATRICK PETROLEUM CORPORATION & PETROLEUM DEVELOPMENT CORPORATION  
Address Suite 901 Nelson Bldg. - Chas., W. Va.  
Farm RUSSELL E. STAATS Acres 300  
Location (waters) Sycamore Creek  
Well No. One (1) Elevation 605.83'  
District Ripley County Jackson  
Quadrangle RIPLEY, W. Va.

INSPECTOR TO BE NOTIFIED Mr. Fred Boudette  
Box 190 PH: 984-9269  
Wassonville, W. Va.  
25185

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 4/12/73.

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 6th Dec. 19 72 by Russell E. Staats made to Patrick Petroleum Corp. and recorded on the 8th. day of Dec. 19 72 in JACKSON County, Book \_\_\_\_\_ Page \_\_\_\_\_

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.

Very truly yours, PATRICK PETROLEUM CORPORATION & PETROLEUM DEVELOPMENT CORP.  
(Sign Name) Donald C. Sipe  
Well Operator

Address of Well Operator

Suite 901 Nelson Building  
Street  
Charleston, W. Va.  
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

JAC-1352

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 FACE, PREBLE & POOLE, INC. NAME Donald C. Supcoe  
 ADDRESS 610 Commerce Square ADDRESS Suite 901 Nelson Bldg.  
Charleston, W. Va. Charleston, W. Va.  
 TELEPHONE 344-2534 TELEPHONE 344-9864  
 ESTIMATED DEPTH OF COMPLETED WELL: 5600' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Newberg  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X 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	60'	60	60 cu. ft.
9 - 5/8	2000'	2000'	364 cu. ft.
8 - 5/8			
7	5600'	5600'	100 cu. ft.
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS NO COAL  
 IS COAL BEING MINED IN THE AREA? NO COAL 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