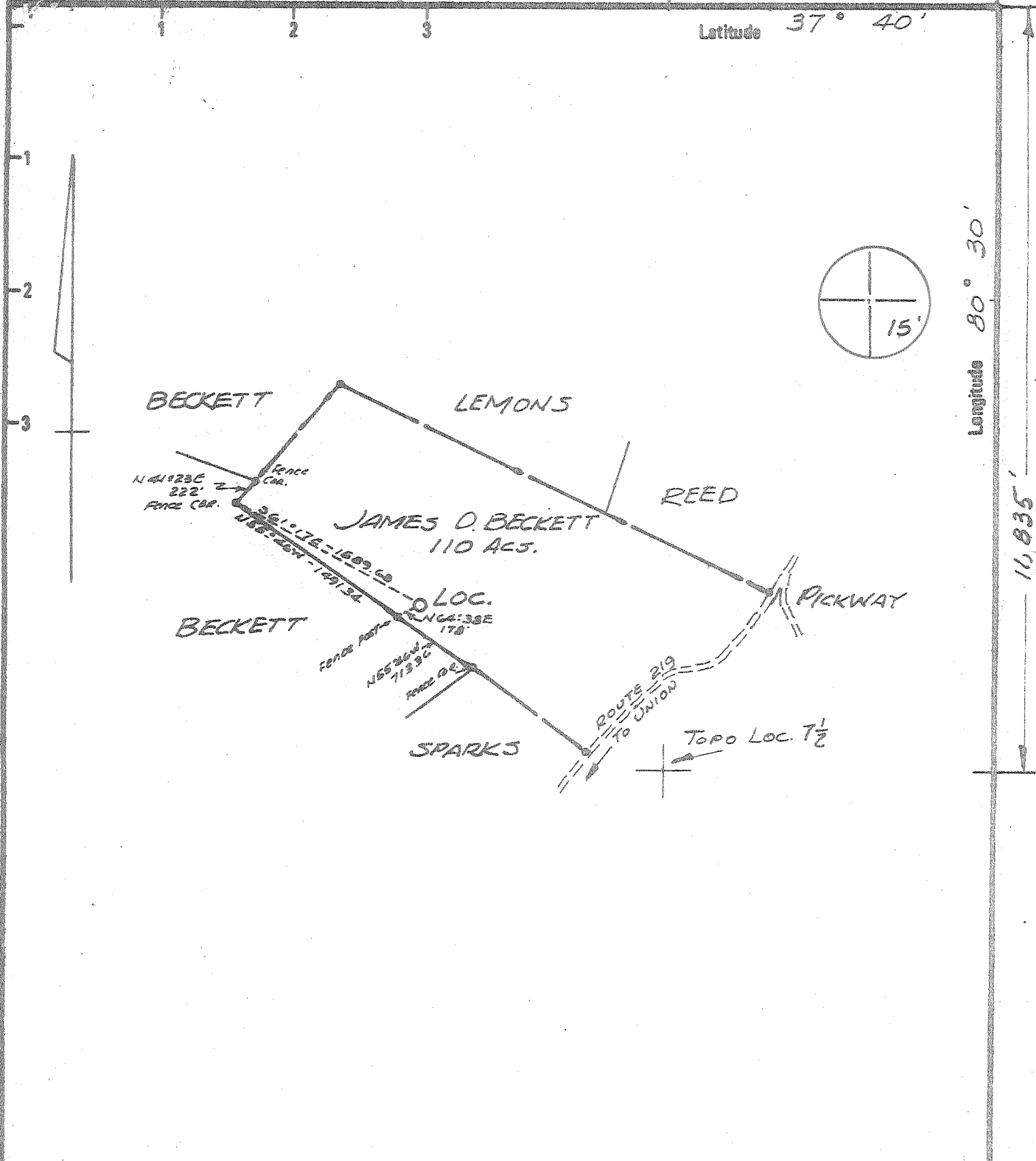


Latitude 37° 40'

Longitude 80° 30'

14,835'



New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input checked="" type="checkbox"/>	Minimum Error of Closure <u>1 in 200</u> Source of Elevation <u>USGS Elev. 2213' Road Intersection Southeast</u> <u>O.F. Loc.</u> "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."
--	--

Company <u>AMERICAN PUBLIC ENERGY CO.</u> Address <u>8350 NORTH CENTRAL EXPRESSWAY DALLAS, TEXAS 75206</u>	
Farm <u>JAMES D. BECKETT</u> of <u>640</u> Acres	
Tract _____	Acres <u>110</u>
Well (Farm) No. <u>L</u> Serial No. <u>EC</u>	
Elevation (Spirit Level) <u>2211.0' Alderson 715'</u>	
Quadrangle <u>FORT SPRING T65TOP</u>	
County <u>MONROE</u> District <u>UNION</u>	
Engineer <u>W. L. Defton</u>	
Engineer's Registration No. <u>1832</u>	
File No. _____ Drawing No. _____	
Date <u>6-9-78</u> Scale <u>1" = 1000'</u>	

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

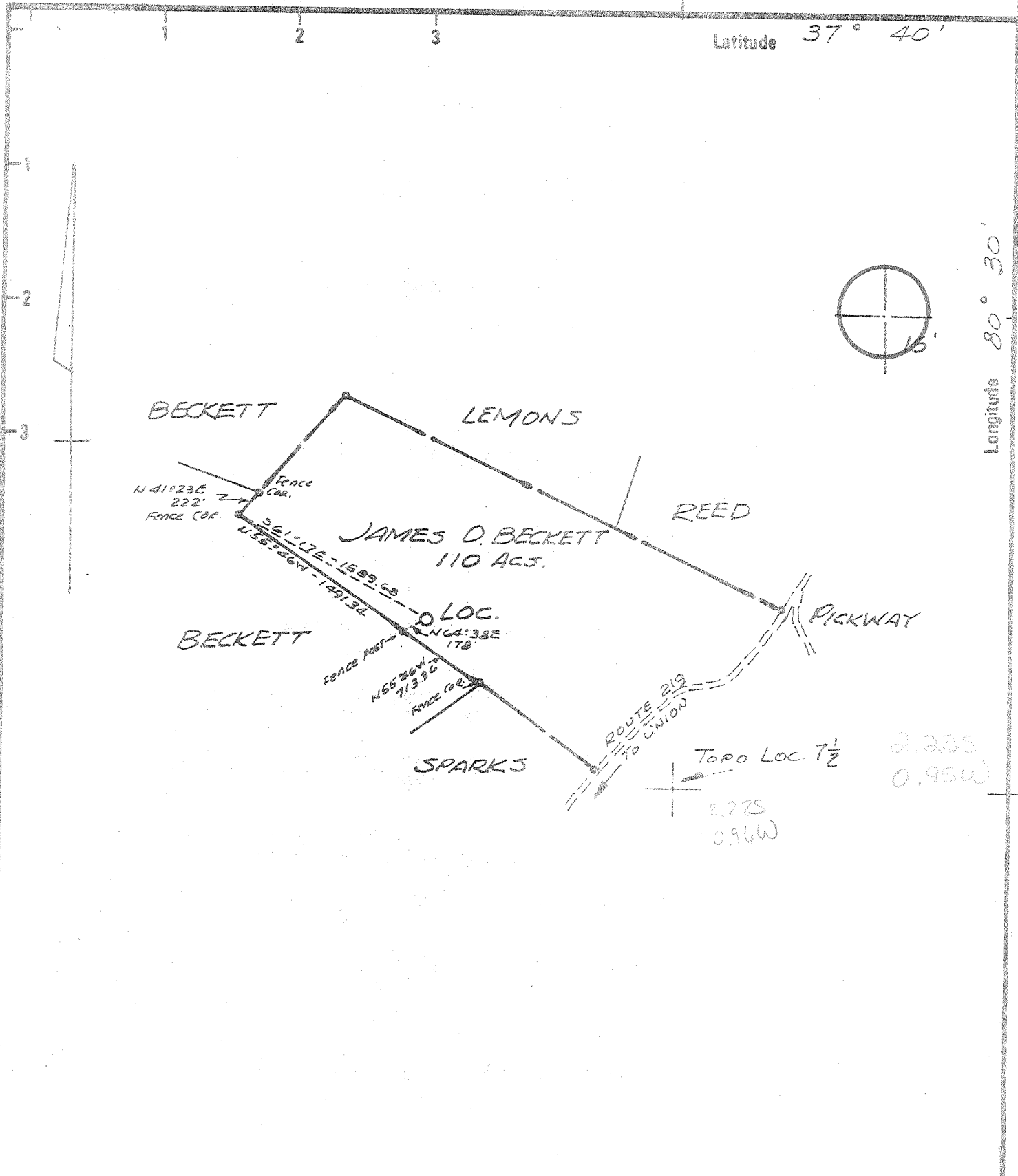
WELL LOCATION MAP
 FILE NO. MONROE-9-P

† 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.

47-063 JUL 17 1979

Defton



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation USGS Elev. 2213' Road Intersection Southeast of Loc.

"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."

Company AMERICAN PUBLIC ENERGY CO.
 Address 8350 NORTH CENTRAL EXPRESSWAY DALLAS, TEXAS 75206
 Farm JAMES D. BECKETT
 Tract _____ Acres 110 of 640 Lesse No. _____
 Well (Farm) No. 1 Serial No. EC
 Elevation (Spirit Level) 2211.0 Alderson 7/5'
 Quadrangle FORT SPRING T.S. TOP
 County MONROE District UNION
 Engineer N. L. Sifton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 6-9-78 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. MONROE-9

+ 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.

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas XX / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep XX / Shallow)
LOCATION: Elevation: 2211' Watershed: Second Creek
District: Union County: Monroe Quadrangle: Alderson 15' Ft. Springs
7.5'

WELL OPERATOR American Public Energy Co. DESIGNATED AGENT Wm. E. Bennett
Address Suite 800 (200 Northpark East Address Box 2683
Dallas, Texas 75321 Charleston, W.Va. 25330

PERMITTED WORK: Drill XXX / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify)

PERMIT ISSUED ON July 17, 19 78

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
6-25, 19 79

Name Leroy Hopkins
Address General Delivery
Ansted, W.Va. 25812

GEOLOGICAL TARGET FORMATION: Oriskany Depth 7000' feet
Depth of completed well, 7477' feet Rotary XX / Cable Tools
Water strata depth: Fresh 90,491 feet; salt, feet.
Coal seam depths: Is coal being mined in the area? No
Work was commenced December 1, 19 78, and completed 31 May, 19 79

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
Conductor	20"			X		28'	28'	to surf.	Kinds
Fresh water	13 3/8			X		628'	628'	to surf.	
Coal	-								Sizes
Intermediate	8 5/8			X		2863'	2863'	30 sacks	
Production	4 1/2			X		7475'	1755' (5720' to 7475')		Depths set
Tubing	-								
Liners	-								Perforations:
									Top Bottom

RECORDED
JUL - 6 1979

OPEN FLOW DATA

OIL & GAS DIVISION
DEPT. OF MINES

Producing formation Plugged & Abandoned Pay zone depth feet

Gas: Initial open flow, Mcf/d Oil: Initial open flow, Bbl/d
Final open flow, Mcf/d Final open flow, Bbl/d
Time of open flow between initial and final tests, hours

Static rock pressure, psig (surface measurement) after hours shut in

[If applicable due to multiple completion--]

Second producing formation Pay zone depth feet

Gas: Initial open flow, Mcf/d Oil: Initial open flow, Bbl/d
Final open flow, Mcf/d Final open flow, Bbl/d
Time of open flow between initial and final tests, hours

Static rock pressure, psig (surface measurement) after hours shut in

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Zones perforated:

7175-7250° 1 shot/2°
7260-7360° 1 shot/2°
7380-7460° 1 shot/2°

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Soil			Surf.	14	
Greenbrier Lms			14	386	Fresh water 90,491
McCrary Series			386	730	
Lms.			730	790	Tr. oil 755,770,778
Pocono Series			790	1940	Injun Horizon 790-830 Squaw Horizon 1080-1110 Lindside Sd. 1300-1360 Broadford/Weir 1640-1800 Berea Sd. 1820-1940 Coffee Sh. markers at 1895,1980, 2070. Possible small faulting.
Chemung Series			1940	3477	Hendricks Sd 2050-2150
Portage & Marcellus Shs			3477	7166	
Onondaga Lms			7166	7190	Sh. gas & Salt water AT
Huntersville Ch			7190	7240	Sh. gas & Salt water AT
Oriskany Sd.			7240	7460	Sh. gas & Salt water AT
Heldersberg Lms			7460	7477	
				TD	Gas shows 1682°2710°6446°.
					Formation tops from Samples

(Attach separate sheets to complete as necessary)

American Public Energy Co.
Well Operator
William E. Bennett
By William E. Bennett
Its Agent

NOTE: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL - 5 1978
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

R

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

DATE 5 July, 1978

Surface Owner James D. Beckett

Company American Public Energy Co.
Address 8350 N. Central Express., Dallas, Texas

Address Pickaway, WV.

Mineral Owner same

Farm Beckett et al unit Acres 110 of 640 ac

Address same

Location (waters) Second Creek

Coal Owner same

Well No. 1 Elevation 2211.0

Address same

District Union County Monroe

Coal Operator none

Quadrangle Fort Spring, WV 7.5

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 12-31-78

INSPECTOR

TO BE NOTIFIED Leroy Hopkins

ADDRESS General Delivery, Ansted, W.Va. 25812

PHONE 658-4280

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 24 May 1973 by L.M., James & M.C. Beckett made to Weaver O&G (assn. AMPECO) and recorded on the 31 day of October 1973, in Monroe County, Book 8 Page 661

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:

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

Very truly yours,
(Sign Name) _____

Well Operator
American Public Energy Company
8350 North Central Expressway
Street
Dallas 75206
City or Town
Texas
State

Address
of
Well Operator

*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.

CASH DEPOSIT
HELD BY TREASURER

?
MONROE-9 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 unknown NAME William E. Bennett
 ADDRESS _____ ADDRESS Box 2683, Chas., WV 25330
 TELEPHONE _____ TELEPHONE 3450216
 ESTIMATED DEPTH OF COMPLETED WELL: 7000' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 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 <u>10"</u>	<u>450'</u>	<u>450'</u>	<u>circ. to surface</u>
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2	<u>7000'</u>		<u>50 sacks</u>
3			<u>Perf. Top</u>
2			<u>Perf. Bottom</u>
Liners			<u>Perf. Top</u>
			<u>Perf. Bottom</u>

APPROXIMATE FRESH WATER DEPTHS deepest 400 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS none _____
 IS COAL BEING MINED IN THE AREA? -- 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.

----NA----

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

OIL & GAS DIVISION
DEPT. OF MINES

JUL - 5 1978

RECEIVED