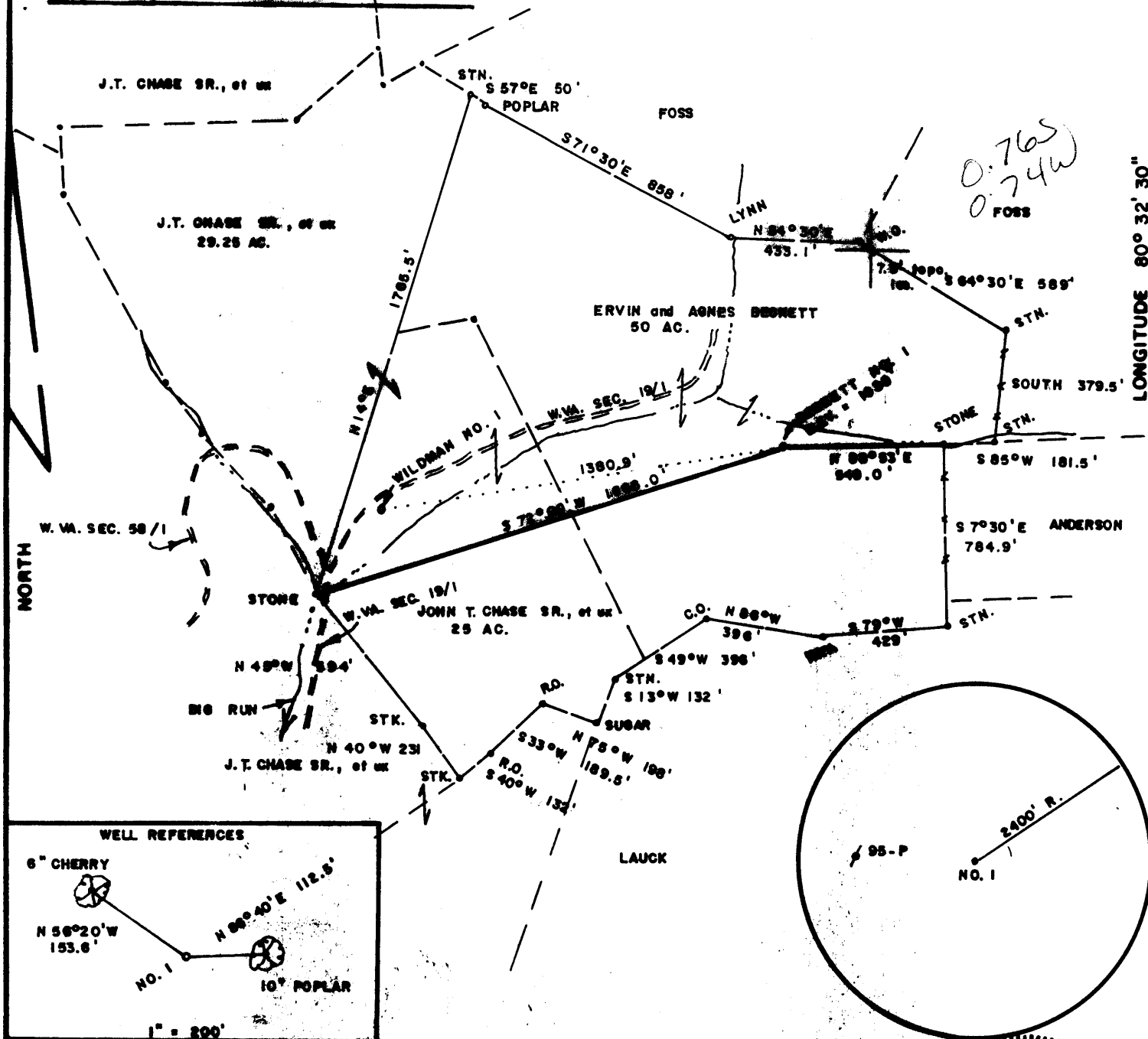


3900' W

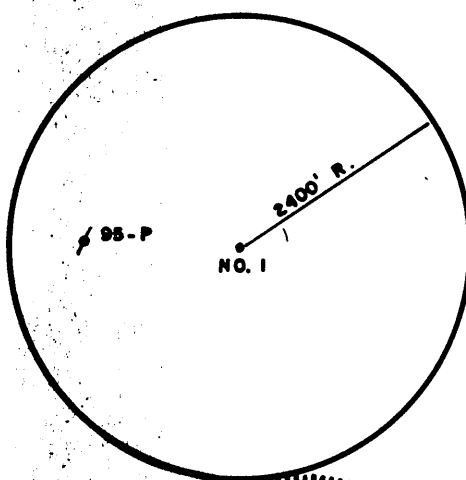
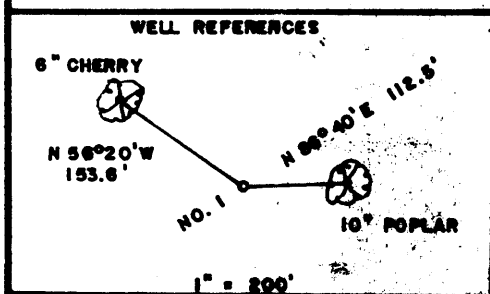
LATITUDE 39° 37' 30"

BECKETT LEASE 50 AC.

LONGITUDE 80° 32' 30"

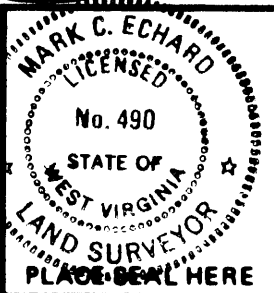


0.765
0.74W



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT. OF ROADS
NW OF LEASE ELEV. = 1418'

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 MINES.
Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE OCTOBER 10, 19 97
 OPERATOR'S WELL NO. BECKETT NO. 1
 API WELL NO. 47-103-1756
 STATE WEST VIRGINIA COUNTY WETZEL PERMIT _____

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1030' WATERSHED BIG RUN
 DISTRICT WETZEL COUNTY WETZEL
 QUADRANGLE BIG RUN 7.5'
 SURFACE OWNER ERVIN AND AGN'S BECKETT ACREAGE 50 AC.
 OIL & GAS ROYALTY OWNER ERVIN AND AGNES BECKETT, et al LEASE ACREAGE 50 AC.
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION SPEECHLY - BAYARD ESTIMATED DEPTH 3800'
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, WV 26320 ALMA, WV 26320

NOV 07 1997

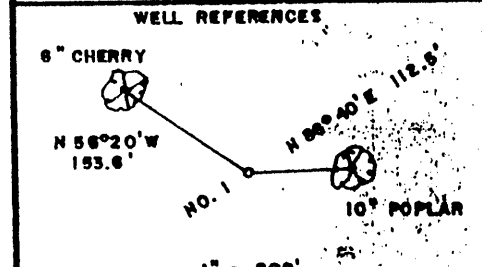
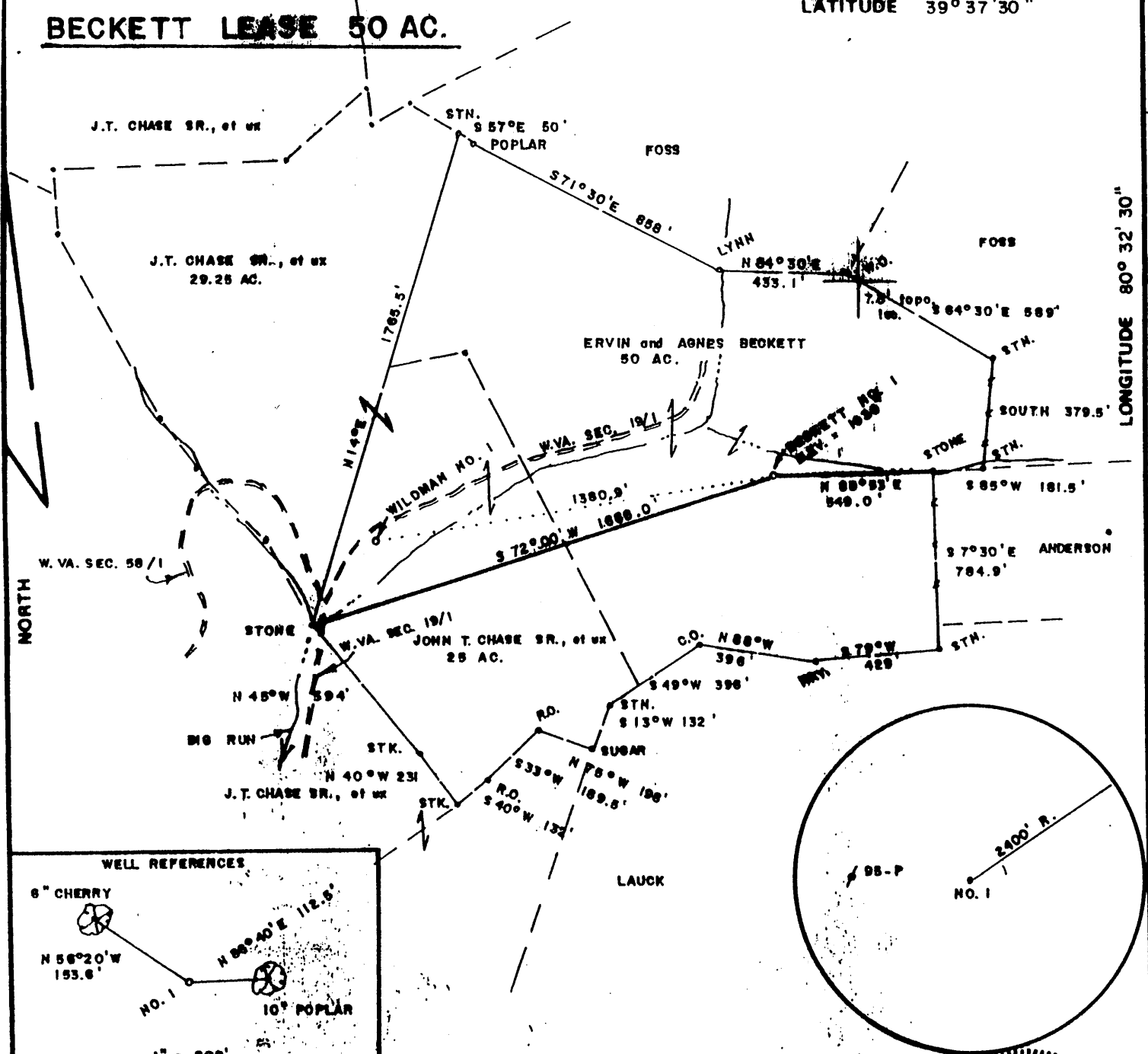
BIAS BLUEPRINT Huntington, W.V. 579536

BECKETT LEASE 50 AC.

LATITUDE 39° 37' 30" 3900' W

LONGITUDE 80° 32' 30" 4000' S

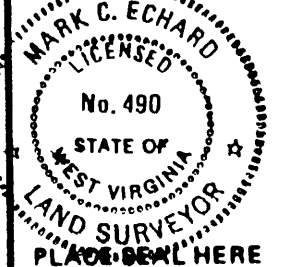
NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT. OF ROADS
 NW OF LEASE ELEV. = 1418'

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 MINES.

Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE OCTOBER 10, 19 97
 OPERATOR'S WELL NO. BECKETT NO. 1
 API WELL NO. _____
47 - 103 - 1756
 STATE COUNTY PERMIT

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS.") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1030' WATERSHED BIG RUN
 DISTRICT CENTER COUNTY WETZEL
 QUADRANGLE BIG RUN 7.5'
 SURFACE OWNER ERVIN AND AGN'S BECKETT ACREAGE 50 AC.
 OIL & GAS ROYALTY OWNER ERVIN AND AGNES BECKETT, et al LEASE ACREAGE 50 AC.
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION SPEECHLY - BAYARD ESTIMATED DEPTH 3800'
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, WV 26320 ALMA, WV 26320

BIAS BLUEPRINT Huntington, W.V. 579536

Big Run 2

WR-35



JAN 21 1998

Permitting Office of Oil & Gas

API# -47-103-1756

State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Beckett Location: Elevation: 1030' District: Grant Latitude: 4000 Feet South of Longitude: 3900 Feet West of

Operators Well No.: Beckett #1 Quadrangle: Big Run 7.5' County: Wetzel 39 Deg. 37min. 30sec. 80 Deg. 32 min. 30sec.

Company: Drilling Appalachian Corp P. O. Box 99 Alma, WV 26320

Agent: Kenneth Mason

Inspector: Randall Mick Permit Issued: 11/07/97 Well Work Commenced: 11/15/97 Well Work Completed: 11/21/97 Rotary X Cable Rig Total Depth (feet) 3364' Fresh Water Depths (ft) 25' Salt Water Depths (ft) 1655 Is coal being mined in area (Y/N) N Coal Depths (ft): 19'

Table with 4 columns: casing tubing, used in drilling, left in well, cement fill up sks. Rows show data for 9 5/8, 6 5/8, and 4 1/2 inch casing.

OPEN FLOW DATA

Producing formation 4th Gas: Initial open flow 133 MCF/D Final open flow testing MCF/D Static Rock Pressure

Pay zone depth (ft) 2890-2895 Oil: Initial open flow 0 BBL/D Final open Flow show BBL/D psig (surface pressure) after 48 Hours

Second producing formation Bayard Gas: Initial open flow * MCF/D Final open flow * MCF/D static rock pressure *

Pay zone depth (ft) 3040-3140 Oil: Initial open flow 0 BBL/D Final open flow 0 BBL/D psig (surface pressure) after * Hours

For: Drilling Appalachian Corp.

By: [Signature]

Date: 12-02-97

WET 1756

Stage	Formation	Perfs	Sand	N2
12-01-97	Beckett #1			
1	4th, 5th Bayard	2890-3140 16	300 sks	293,000 scf

Drillers Log

Formation	Top	Bottom	
fill	0	9	
Sd	9	19	
Sd/Sh	19	59	hole damp @ 25
Sh	59	61	
Sd/Sh	61	160	
Sd	160	165	
Sd/Sh	165	1514	
Sd	1514	1730	
Sd/Sh	1730	1735	
Sd	1735	1940	hole wet @ 1655
Lime	1940	1954	
Sh	1954	1985	
Lime	1985	2050	gas ck @ 2705 = no show
Sd	2050	2235	gas ck @ 3270 = 84 mcfs
Sd/Sh	2235	3364	gas ck @ 3364 = 133 mcfs

Electric Log Tops

Formation	Depth top
Big Lime	1972
Big Injun	2090
Berea	2360
Gordon	2805

NOV 05 1997

103-1756

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
Office of Oil & Gas
WELL WORK PERMIT APPLICATION

- 6) Well Operator: DRILLING APPALACHIAN CORPORATION 14425 ① 254
- 7) Operator's Well Number: BECKETT #1 3) Elevation: 1030'
- 4) Well type: (a) Oil / or Gas / Issued 11/07/97
 (b) If Gas: Production / Underground Storage / Expires 11/07/99
 Deep / 432 Shallow /
- 5) Proposed Target Formation(s): SPEECHLEY/BAYARD
- 6) Proposed Total Depth: 3600' feet
- 7) Approximate fresh water strata depths: _____
- 8) Approximate salt water depths: _____
- 9) Approximate coal seam depths: 700
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill, perforate, stimulate new formation

CASING AND TUBING PROGRAM

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

	Size	Grade	Weight per Foot	For drilling	Left in Well	Fill-up (Cu. ft.)
Conductor	9-5/8"			200'	200'	100 sks class A
Fresh Water						
Coal						
Intermediate	7"	J-55	17#	1950'	1950'	38CS18-11.22
Production	4-1/2"	J-55	10.5#	3600'	3600'	38CS18-11.22
Tubing						
Liners						

PACKERS: Kind _____
 Sizes _____
 Depths set _____

1641/36

For Office of Oil and Gas Use Only

- Fee(s) paid: Well Work Permit Reclamation Fund WPCP
- Plat WW-9 WW-2B Bond _____ Agent
- (Type)

Page 1 of _____
Form WW2-A
(09/87)
File Copy

Permitting
Office of Oil & Gas

1) Date: OCTOBER 16, 1997
2) Operator's Well Number
BECKETT #1
3) API Well No: 47 - 103 - 1756
State - County - Permit

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|--|---|
| <p>4) Surface Owner(s) to be served:
(a) Name <u>ERVIN E. & AGNES F. BECKETT</u>
Address <u>HC 79, BOX 37</u>
<u>JACKSONBURG, WV 26377</u>
(b) Name _____
Address _____
(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
| <p>(6) Inspector <u>Randal Mick</u>
Address <u>111 Blackshere Drive</u>
<u>Mannington, WV 26582</u>
Telephone (304) <u>986-3324</u></p> | |

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

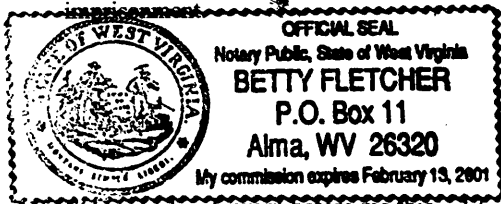
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- Personal Service (Affidavit attached)
- Certified mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and



Well Operator DRILLING APPALACHIAN CORPORATION
By: [Signature]
Its: PRESIDENT
Address P.O. BOX 99
ALMA, WV 26320
Telephone (304) 758-4638

Subscribed and sworn before me this 17 day of OCTOBER, 1997

[Signature] Notary Public

My commission expires February 13, 2001