

COAL COORDINATES: N 016
E 2,000,000.440

LATITUDE 37° 57' 30"

WESTERN PocaHONTAS
CORPORATION

1" SOLID END MOVEMENT FOUND
ON STRIP MINE HIGHWALL

New River & PocaHONTAS
CONSOLIDATED COAL
COMPANY

NORTH
JAMES
NEW RIVER &
POCAHONTAS CONSOL.
COAL COMPANY

1" SOLID END MOVEMENT
FOUND ON STRIP MINE
HIGHWALL

PROPOSED HIGHWAY

PROPOSED WELL
NO. 3A SURFACE

SURFACE
NO. 1

TEXAS INTERNATIONAL NO. 1279

TEXAS INTERNATIONAL NO. 1276

SURVEY TIES

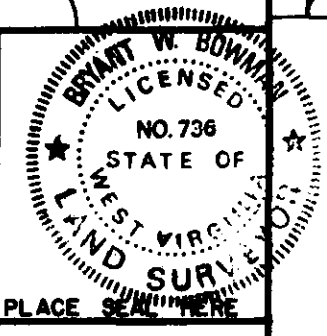
- (A) - N4°18'19"W ~ 6972.109' (F) - S44°54'53"E ~ 3382.017'
- (B) - N58°16'04"E ~ 112.767' (G) - S15°49'21"E ~ 2240.725'
- (C) - S3°29'20"E ~ 7084.764' (H) - S25°23'28"W ~ 2026.247'
- (D) - N46°27'37"E ~ 3065.675' (I) - N15°16'53"W ~ 2046.751'
- (E) - S74°04'23"E ~ 2766.142'

7 1/2" T.M.P. 100A Lists D
1420

BOONE COUNTY
RALEIGH COUNTY

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1-10,000
 PROVEN SOURCE OF ELEVATION 2249 ~ 3300' NE OF LOCATION

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.
 (SIGNED) Bryant W. Bowman
 R.P.E. _____ L.L.S. 736



WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506



DATE APRIL 8, 1993
 OPERATOR'S WELL NO. 3A SURFACE
 API WELL NO. _____
47-005-1420-P
 STATE COUNTY PERMIT
 Formerly: 300-1388

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X)
 LOCATION: ELEVATION 1775' WATER SHED JAMES CREEK OF WEST FORK
 DISTRICT CRICK COUNTY BOONE
 QUADRANGLE WHITESVILLE (7 1/2')
 SURFACE OWNER WESTERN PocaHONTAS CORPORATION ACREAGE 2700 ±
 OIL & GAS ROYALTY OWNER WESTERN PocaHONTAS CORPORATION LEASE ACREAGE 2700 ±
 LEASE NO. 31115
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR
 STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW
 FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
Well drilled in 1984 FD 56971 - production from this & state.
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION WEIR ESTIMATED DEPTH 3685'

Permanent plugging

Peake Operating Company
 P.o. Box 8
 Ravenswood, wva. 26164-0008

Thomas Liberatore
 Same address

OCT 10 1997

15,070

LONGITUDE 81° 32' 30"

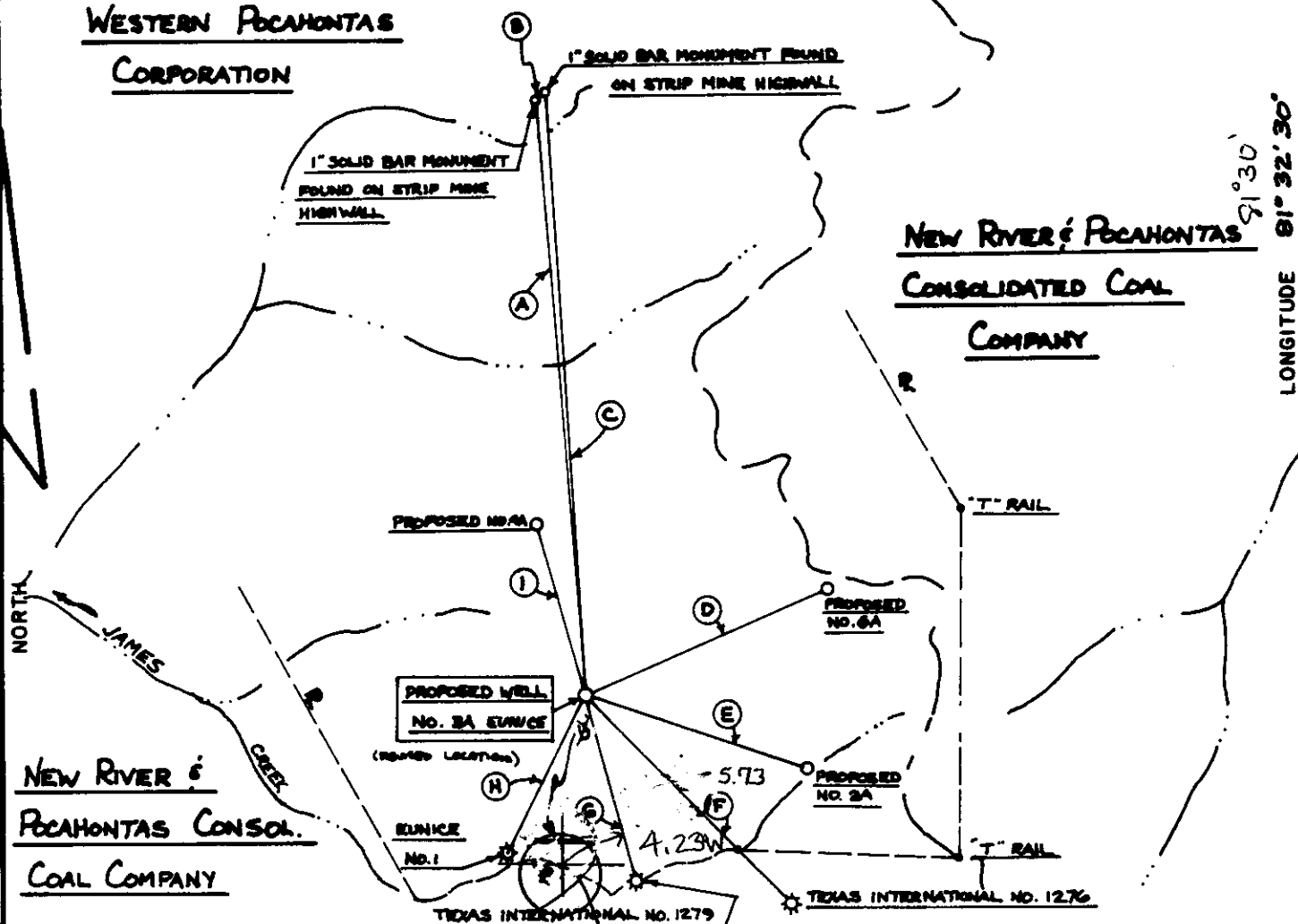
BOONE 1420-Frac

COAL COORDINATES: N 603,225.616
E 3,203,649.440

LATITUDE 37° 57' 30"
3800-15'

WESTERN POCAHONTAS
CORPORATION

NEW RIVER & POCAHONTAS
CONSOLIDATED COAL
COMPANY



SURVEY TIES

- (A) - N4°18'19"W ~ 6972.109' (F) - S44°54'53"E ~ 3382.017'
- (B) - N58°16'04"E ~ 112.767' (G) - S15°49'21"E ~ 2240.725'
- (C) - S3°29'20"E ~ 7024.764' (H) - S25°23'28"W ~ 2026.247'
- (D) - N66°27'37"E ~ 3065.675' (I) - N15°16'53"W ~ 2046.751'
- (E) - S74°04'23"E ~ 2766.142'

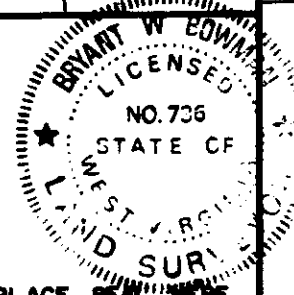


correct 15' loc.

1.96
2.85
2.88
5.73
1.96
2.27
4.23

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY 1-10,000
PROVEN SOURCE OF ELEVATION 2242 ~ 3300' NE OF LOCATION

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.
(SIGNED) [Signature]
R.P.E. _____ L.L.S. 736



PLACE SEAL HERE

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



Department of Mines
Oil & Gas Division

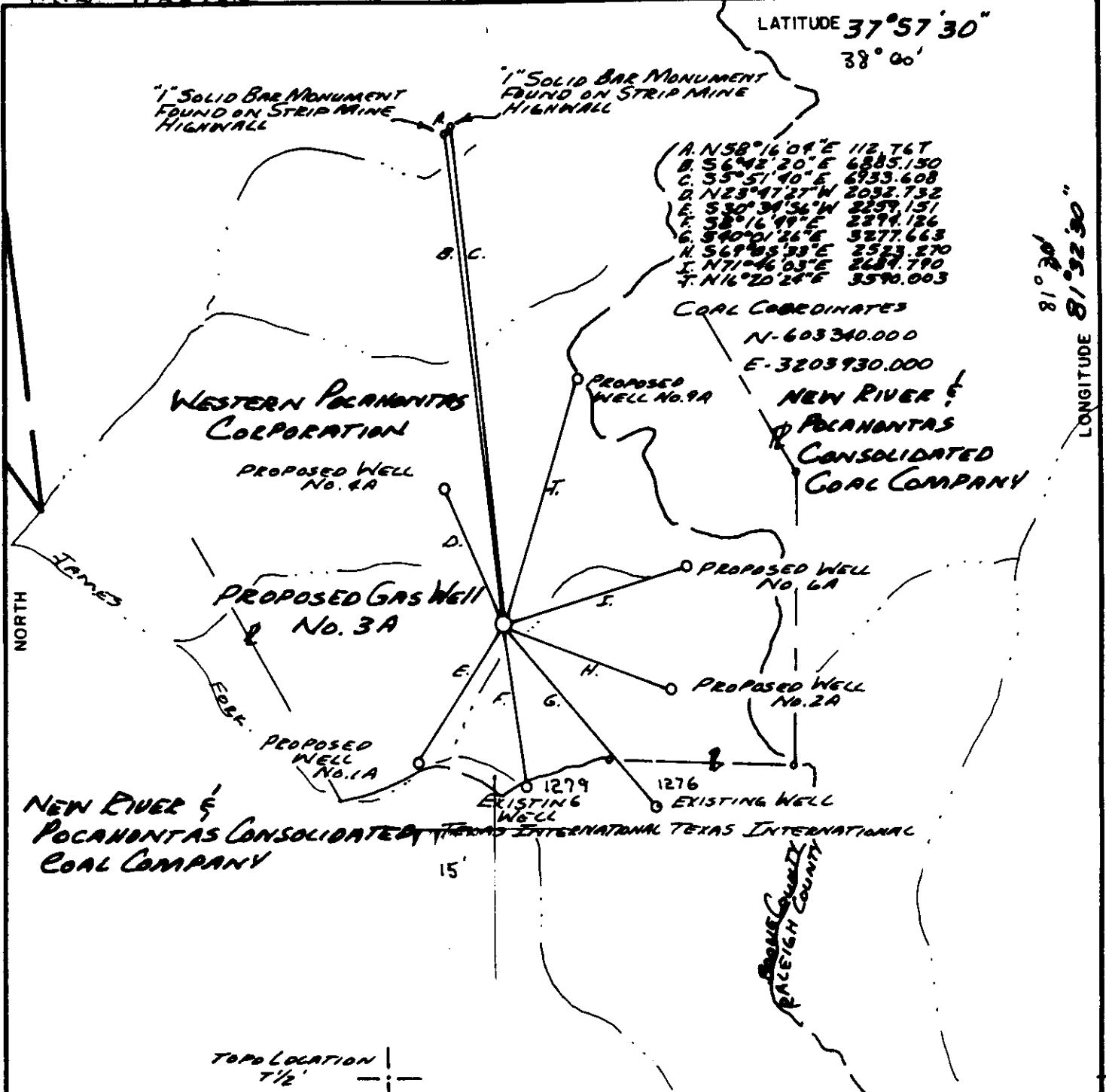
DATE APRIL 8, 1983
OPERATOR'S WELL NO. 3A ENICE
API WELL NO. _____
47 - 005 - 1420
STATE COUNTY PERMIT
Formerly: 800 - 1388

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X)
LOCATION: ELEVATION 1775' WATER SHED JAMES CREEK OF WEST FORK
DISTRICT COOK COUNTY BOONE
QUADRANGLE WHITESVILLE (7 1/4') Bald Knob 15' NE
SURFACE OWNER WESTERN POCAHONTAS CORPORATION ACREAGE 2700 ±
OIL & GAS ROYALTY OWNER WESTERN POCAHONTAS CORPORATION LEASE ACREAGE 2700 ±
LEASE NO. 3/1/75
PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION WEIR ESTIMATED DEPTH 3685'
WELL OPERATOR PEAKE OPERATING Co. DESIGNATED AGENT FLOYD WILCOX
ADDRESS 423 CHAS. NATL. PLAZA CHARLESTON, W.V.A. 25301 ADDRESS 423 CHAS. NATL. PLAZA CHARLESTON, W.V.A. 25301

AUG 15 1983

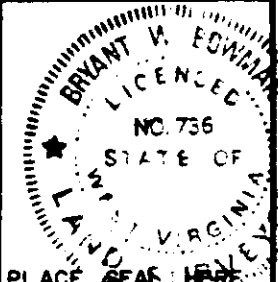


4/22/82



FILE NO. _____
 DRAWING NO. _____
 SCALE 1-2000
 MINIMUM DEGREE OF ACCURACY 1-10000
 PROVEN SOURCE OF ELEVATION 2233 WEST OF LOCATION

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.
 (SIGNED) [Signature]
 R. P. E. _____ L. L. S. 736



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



DATE 3/29, 1982
 OPERATOR'S WELL NO. 3A EUNICE
 API WELL NO. 47-005-1388
 STATE COUNTY PERMIT

Department of Mines
 Oil & Gas Division

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1788 WATER SHED JAMES FORK OF WEST FORK
 DISTRICT COOK COUNTY BOONE
 QUADRANGLE WHITESVILLE 7 1/2
 SURFACE OWNER WESTERN POCAHONTAS ACREAGE 2700+-
 OIL & GAS ROYALTY OWNER WESTERN POCAHONTAS LEASE ACREAGE 2700+-
 LEASE NO. 31/196
 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 W E21c ESTIMATED DEPTH 3685
 WELL OPERATOR PEACE OPERATING CO. DESIGNATED AGENT FLOYD WILCOX
 ADDRESS 201 DUNBAR OFFICE PARK DUNBAR, WEST VIRGINIA ADDRESS 201 DUNBAR OFFICE PARK DUNBAR, WEST VIRGINIA

00841

BOONE 1388



State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm Name: WESTERN POCAHONTAS PROPERTIES

Operator's Well No: EUNICE 3-A

LOCATION: Elevation: 1775.00

Quadrangle: WHITESVILLE

District: Crook
Latitude: 15070
Longitude: 10340

County: Boone
Feet South of 37 Deg. 57 Min. 30 Sec.
Feet West of 81 Deg. 32 Min. 30 Sec.

Company: PEAKE OPERATING COMPANY
1401 CHARLESTON NAT'L PLAZA
CHARLESTON, WV 25301

Agent: Thomas S. Liberatore

Inspector: Jerry Holcomb
Permit Issued: 04/22/88
Well work Commenced: 05/02/88
Well work Completed: 05/05/88
Verbal Plugging
Permission granted on: N/A
Rotary X Cable Rig
Total Depth (feet) PBD 3330'
Fresh water depths (ft)
See original record
Salt water depths (ft)

| Casing & Tubing | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|-----------------|------------------|--------------|------------------------|
| 16" | 29' | 29' | CTS. |
| 11 3/4" | 646' | 646' | 360 Sks. |
| 8 5/8" | 2524' | 2524' | 400 Sks. |
| 4 1/2" | 5635' | 5635' | 310 Sks. |
| | | | |

Is coal being mined in area (Y/N)?
Coal depths (ft): ' ()

OPEN FLOW DATA

Producing formation Big Lime Pay zone depth (ft) _____

Gas: Initial open flow 6 (net) Mcf/d Oil: Initial open flow 0 bbl/d
 Final open flow 99 Mcf/d Final open flow 0 bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 260 psig (surface pressure) after 18 Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow 0 bbl/d
 Final open flow _____ Mcf/d Final open flow 0 bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERNALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGIC RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELL BORE.

For: Thomas S. Liberatore
PEAKE OPERATING COMPANY

By: Thomas S. Liberatore/Operations Man.
Date: March 21, 1991

APR 12 1991









1) Date: July 11, 19 83
2) Operator's Well No. #3-A Eunice
3) API Well No. 47 - 005 - 1420
State _____ County _____ Permit _____

DRILLING CONTRACTOR:

Unknown

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil _____ / Gas X /
B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1775' Watershed: James Creek of West Fork
District: Crook County: Boone Quadrangle: Whitesville
- 6) WELL OPERATOR Peake Operating Company 11) DESIGNATED AGENT Floyd B. Wilcox
Address 423 Charleston National Plaza Address 423 Charleston National Plaza
Charleston, W. Va. 25301 Charleston, W. Va. 25301
- 7) OIL & GAS ROYALTY OWNER Western Pocahontas Corp. 12) COAL OPERATOR Bethlehem Mines Corporation
Address P. O. Box 2827 Address P. O. Box 4108
Huntington, W. Va. 25727 Charleston, W. Va.
Acreage 1261.7±
- 8) SURFACE OWNER Western Pocahontas Corp. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address P. O. Box 2827 Name Western Pocahontas Corporation
Huntington, W. Va. 25727 Address P. O. Box 2827
Acreage 1261.7± Huntington, W. Va. 25727
Name Attn: Jose Bollar
Address _____
- 9) FIELD SALE (IF MADE) TO:
Address Consolidated Gas Supply Corp.
Clarksburg, W. Va. 26301
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
Name Arthur St. Clair Name Bethlehem Mines Corporation
Address Box 157 Address P. O. Box 4108
Brenton, W. Va. 24818 Charleston, W. Va.
- 15) PROPOSED WORK: Drill X / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Weir
- 17) Estimated depth of completed well, 3572' feet
- 18) Approximate water strata depths: Fresh, 50 feet; salt, 500 feet.
- 19) Approximate coal seam depths: 618 Is coal being mined in the area? Yes _____ / No X /

RECEIVED
JUL 12 1983

OIL & GAS DIVISION
DEPT. OF MINES

20) 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 | 13-3/8 | H-40 | 48# | X | | 30 | 30 | CTS | Kinds |
| Fresh water | 9-5/8 | H-40 | 36# | X | | 900 | 900 | CTS | By Rule 15.01 |
| Coal | | | | | | | | | Sizes |
| Intermediate | 7 | J-55 | 17# | X | | 2300 | 2300 | 150 sacks as | req. Rule 15.01 |
| Production | 4-1/2 | J-55 | 9.6# | X | | 3567 | 3565 | 300 sacks | Depths set <u>OR AS REQ</u> |
| Tubing | 2-3/8 | J-55 | 4.5# | X | | | 3560 | | by Rule 15.01 |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____
My Commission Expires _____

Signed: _____
Its: Vice President

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-005-1420 Date August 8, 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires August 8, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|-----------------|-----------------|-----------------|-------------------|------------------|
| Bond: <u>15</u> | Agent: <u>L</u> | Plat: <u>OP</u> | Casing: <u>OP</u> | Fee: <u>2840</u> |
|-----------------|-----------------|-----------------|-------------------|------------------|

Administrator, Office of Oil and Gas

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

March 3, 1988 - Drilled out solid plug at 3308 to test Devonian Shale.

May 2 - Set solid plug at 3330' and frac plug at 3150. Perforated Big
 Lime at 3101-3105 (8 holes) and 3117-3123 (12 holes). Acidized
 with 500 gal. 28% HCl, 8000 gal. 15% HCl, and 146 bbl. flush for
 348 bbls. total fluid. MTP 1010#, ATP 550#, ISIP 250#, 5-min.
 SIP 0#.

WELL LOG

| FORMATION TYPE | TOP FEET | BASE FEET | REMARKS (water, coal, oil, gas) |
|----------------|------------|-----------|---------------------------------|
| | 0 | | <u>Fresh Water</u> e |
| | | | <u>Salt Water</u> e |
| | | | <u>Gas Checks</u> |
| | DTD LTD | ; | |

* - INDICATES ELECTRIC LOG TOPS

6849



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

- 400 8/3/84 PERFORATED SHALE 5291-5556 (33 HOLES) (Huron)
- 8/3/84 NITROGEN FRACED SHALE WITH 1000 GAL 15% HCl, 1,210,000 cu ft N₂. BREAKDOWN PRESSURE 2540#, AVG TREATING PRESSURE 2900#, ISIP 2350, 15 MIN. SIP 2240#
- 387 8/1/84 PERFORATED WEIR 3279'-3288' (27 HOLES)
- 8/1/84 FRACED WEIR WITH 638 bbl OF H₂O, 1000 gal 15% HCl, 15,000# OF 80/100 SAND, 45,000# OF 20/40 SAND. BOP 500#, TP 905#, ISIP 400# WELL PRODUCED 1,555,000 cu. ft/day 24 hr AFTER FRAC.

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|---------------------------|-------|--------------|----------|-------------|--|
| SAND & SHALE | | | 0 | 500 | WATER: 50' |
| SHALE | | | 500 | 562 | |
| SAND | | | 562 | 609 | |
| 998 COAL | | | 609 | 614 | |
| SAND & SHALE | | | 614 | 794 | |
| 998 COAL | | | 794 | 815 | |
| SAND & SHALE | | | 815 | 1412 | |
| SAND | | | 1412 | 1455 | |
| SAND & SHALE | | | 1455 | 2400 | |
| SAND | | | 2400 | 2528 | GAS CHECKS: |
| SHALE | | | 2528 | 2592 | |
| SANDY SHALE | | | 2592 | 2712 | 3362' - 28" IOW 1" - 63.3 mcf |
| 325 * MARTON SAND (LOWER) | | | 2712 | 2772 | 3457' - 50" IOW 1" - 74.5 mcf |
| SHALE | | | 2772 | 2787 | 4766' - 50" IOW 3/4" - 31.6 mcf |
| 385 * BIG LIME | | | 2787 | 3156 | 5163' - 16" IOW 1" - 42.16 mcf |
| SHALE | | | 3156 | 3275 | 5541' - 28" IOW 1" - 55.0 mcf |
| 387 * WEIR SAND | | | 3275 | 3314 | 5687' - 24" IOW 1" - 51.00 mcf |
| SANDY SHALE | | | 3314 | 3652 | |
| SHALE | | | 3652 | 3669 | |
| 395 * BEREA SAND | | | 3669 | 3682 | |
| SHALE | | | 3682 | 3870 | |
| 419 GORDON SAND | | | 3870 | 3882 | |
| SHALE | | | 3882 | 4951 | |
| 429 HURON SHALE | | | 4951 | 5558 | |
| SHALE | | | 5558 | TO | |

DTD - 5691'
LTD - 5687'

← Huron @ TD.

5,691
3,682
2,009

* ELECTRIC LOG TOPS

(Attach separate sheets as necessary)

PEAKE OPERATING CO
Well Operator
By: Floyd B. Wilson
Date: Sept 5, 1984

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."



Date: April 19, 19 82

Operator's Well No. 3-A Eunice

API Well No. 47 - 005 - 1388
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)

LOCATION: Elevation: 1788' Watershed: James Fork of West Fork
District: Crook County: Boone Quadrangle: Whitesville 7 1/2'

WELL OPERATOR Peake Operating Company DESIGNATED AGENT Floyd B. Wilcox
Address 201 Dunbar Office Park Address 201 Dunbar Office Park
Dunbar, WV 25064 Dunbar, WV 25064

OIL & GAS ROYALTY OWNER Western Pocahontas Corp.
Address P. O. Box 2827
Huntington, WV 25727

COAL OPERATOR Bethlehem Mines Corporation
Address P. O. Box 4108
Charleston, WV 25304

Acreage 2700±

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Western Pocahontas Corporation
Address P. O. Box 2827
Huntington, WV 25727

SURFACE OWNER Western Pocahontas Corp.
Address P. O. Box 2827
Huntington, WV 25727

Name Attn: Jose Bollar
Address

Acreage 2700±

FIELD SALE (IF MADE) TO: Consolidated Gas Supply
Address 445 West Main Street
Clarksburg, WV 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name Bethlehem Mines Corporation
Address P. O. Box 4108
Charleston, WV 25304
Attn: Harold Fields

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Arthur StClair
Address P. O. Box 157
Brenton, WV 24818

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X
other contract / dated May 12, 19 64, to the undersigned well operator from Western Pocahontas Corporation
(If said deed, lease, or other contract has been recorded:)

Recorded on July 23, 19 64, in the office of the Clerk of the County Commission of Raleigh County, West Va., in Lease Book 31 at page 195. A permit is requested as follows:

RECEIVED

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /

APR 21 1982

Other physical change in well (specify)
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES
—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Peake Operating Company
Well Operator
By Floyd B. Wilcox
Its Attorney-in-Fact

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION, Weir

Estimated depth of completed well, 3685 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 50 feet; salt, 500 feet.

Approximate coal seam depths: 631' Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | New | Used | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|----------------|-------|---------------|-----|------|----------------------------|----------------------------|--------------------------------------|---------------|
| | Size | Grade | Weight per ft | | | For drilling | Left in well | | |
| Conductor | 13 3/8 | K-55 | 48# | X | | 30' | 30' | To surface | Kinds |
| Fresh Water | 9 5/8 | K-55 | 32.3# | X | | 300' CG 300' | 300' CG 300' | " " | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 7" | K-55 | 17# | X | | 2300' | 2300' | 150 sacks as req. | Rule 15.01 |
| Production | 4 1/2" | K-55 | 9.5# | X | | 3635' | 3635' | 300 sacks | Depths set |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 1-6-83

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: 4/4/88
2) Operator's well number
Eunice #3-A
3) API Well No: 47 - 005 - 1420 - Frac
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Western Pocahontas Prop. Ltd. Ptnrship.
Address Box 2827
Huntington, WV 25727
 - (b) Name Attn: Kevin Wall
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name Peabody Coal Co., Attn: C. Waller
Address: Box 1233
Charleston, WV 25324
- (b) Coal Owner(s) with Declaration
Name Western Pocahontas Prop. Ltd. Ptnrship.
Address: Box 2827
Huntington, WV 25727
Name Attn: Kevin Wall
Address _____
 - (c) Coal Lessee with Declaration
Name Bethlehem Steel Corp., Attn: Tim Come
Address 7012 MacCorkle Ave., S.E.
Charleston, WV 25304
- 6) Inspector Jerry Holcomb
Address Rt. 2, Box 159, Hwy. #34
Hamlin, WV 25523
Telephone (304)-824-5963

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
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 attachments, and that based on my inquiry of those individuals immediately 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 imprisonment.

Well Operator: Peabody Operating Company
By: [Signature]
Its: Vice President/General Manager
Address 423 Charleston National Plaza
Charleston, WV 25301
Telephone (304) 342-6970

Subscribed and sworn before me this 4th day of APRIL, 1988

My commission expires OCTOBER 17, 1990

[Signature] Notary Public

005-1420-Frac

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Form WW-2B Attachment

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(11) Proposed Well Work:

1. Pull 5600' of 2-3/8" tubing.
2. Perforate Big Lime zone at $\pm 3120'$.
3. Set frac plug at $\pm 3160'$.
4. Acidize Big Lime zone.
5. Drill out frac plug.
6. Set solid plug above Devonian Shale at $\pm 3350'$ (to remain in well).

