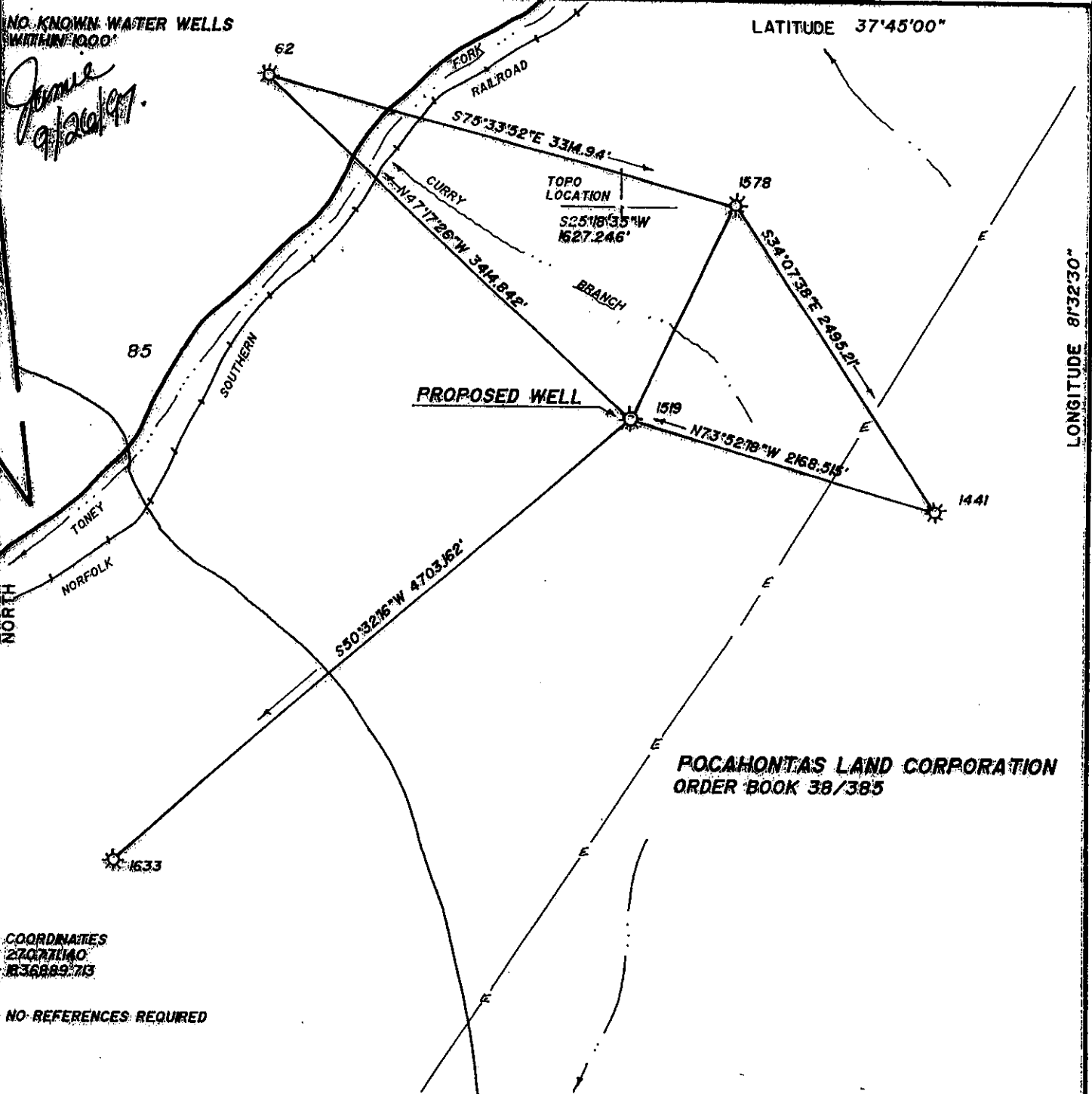


NO. KNOWN WATER WELLS WITHIN 1000'

Janice 9/26/97

LATITUDE 37°45'00"



POCAHONTAS LAND CORPORATION
ORDER BOOK 38/385

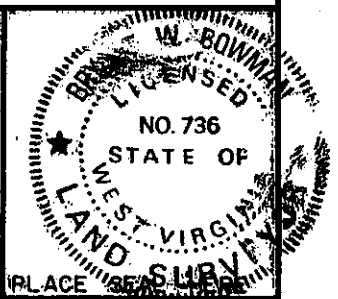
COORDINATES
27071140
836889.713

NO REFERENCES REQUIRED

FILE NO. _____
 DRAWING NO. _____
 SCALE **1"=1000'**
 MINIMUM DEGREE OF ACCURACY **1/3000**
 PROVEN SOURCE OF ELEVATION: **COPPER PLUG IN ROCK**
ELEVATION 2763.54'

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**



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



DATE **AUGUST 18, 1997**
 OPERATOR'S WELL NO. **22C-00R**
 API WELL NO. **47-109-016720P**
 STATE COUNTY PERMIT

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

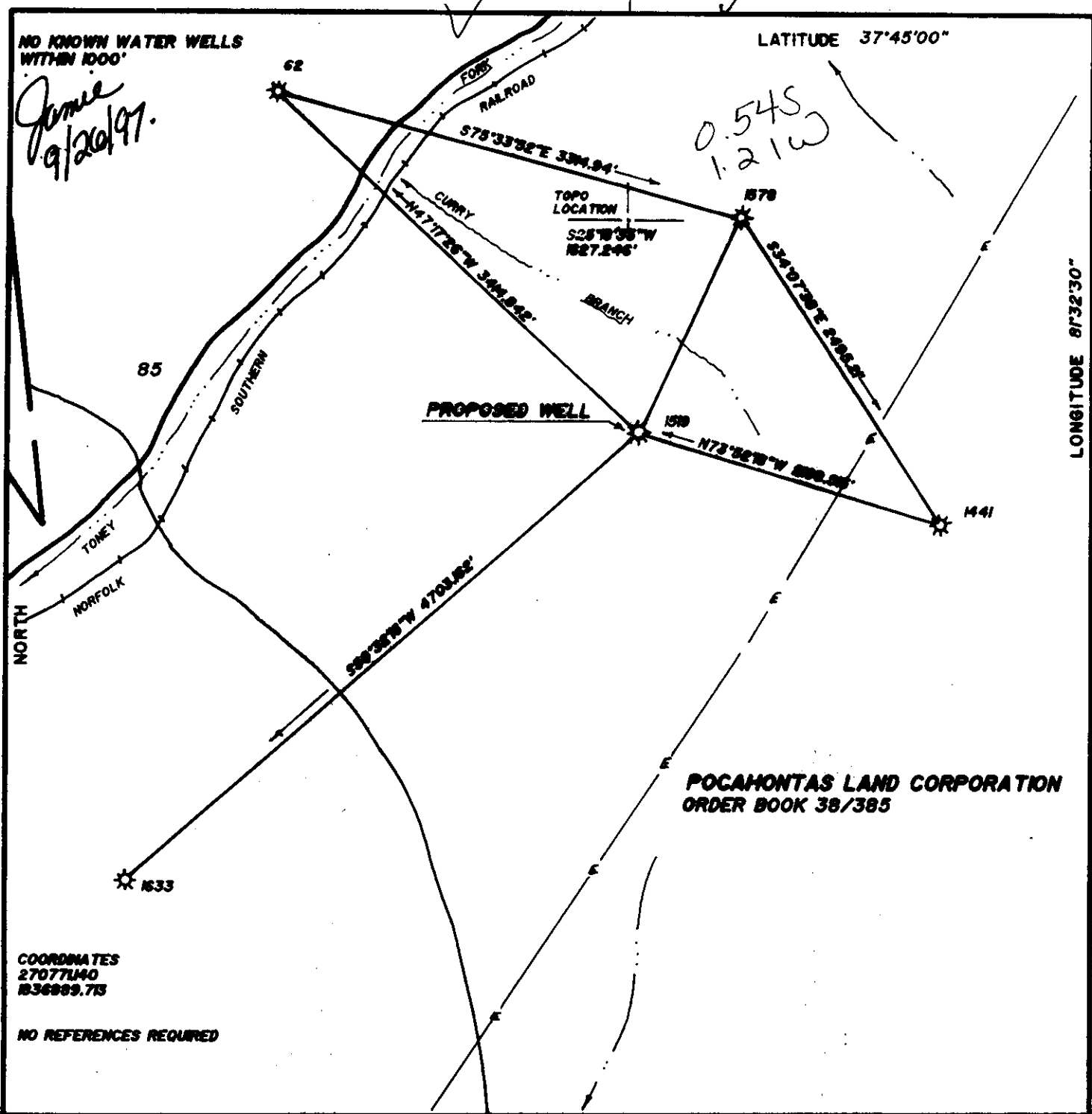
LOCATION: ELEVATION **2395** WATER SHEED **TONY FORK**
 DISTRICT **OCEANA** COUNTY **WYOMING**
 QUADRANGLE **MATHENY WV 7.5'**

SURFACE OWNER **POCAHONTAS LAND CORPORATION** ACREAGE **29500±**
 OIL & GAS ROYALTY OWNER **POCAHONTAS LAND CORPORATION** LEASE ACREAGE **29500±**
 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 **SESS. LIM. (MIDDLE) & BECKLEY** ESTIMATED DEPTH **1935.00'**
 WELL OPERATOR **PENN VIRGINIA OIL & GAS CORP** DESIGNATED AGENT **DANA BLACKSHIRE**
 ADDRESS **999 EXECUTIVE PARK BLVD, SUITE 300** ADDRESS **PO BOX 460**
KINGSPORT, TN 37660 **RAVENLEE, WV 26035**

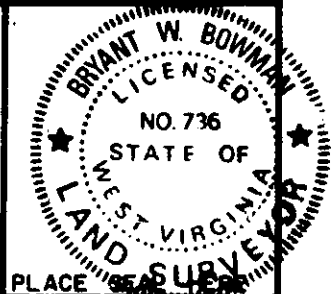
WYO 1672-5P



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1/3000
 PROVEN SOURCE OF ELEVATION COPPER PLUS IN ROCK
ELEVATION 2783.54'

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.F.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 AUGUST 13, 19 97
 OPERATOR'S WELL NO. 22C-69R
 API WELL NO. 47-109-01672C
 STATE COUNTY PERMIT
WV YO 1519

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

LOCATION: ELEVATION 2395 WATER SHED TONEY FORK
 DISTRICT OCEANA COUNTY WYOMING
 QUADRANGLE MATHENY, WV 7.5'

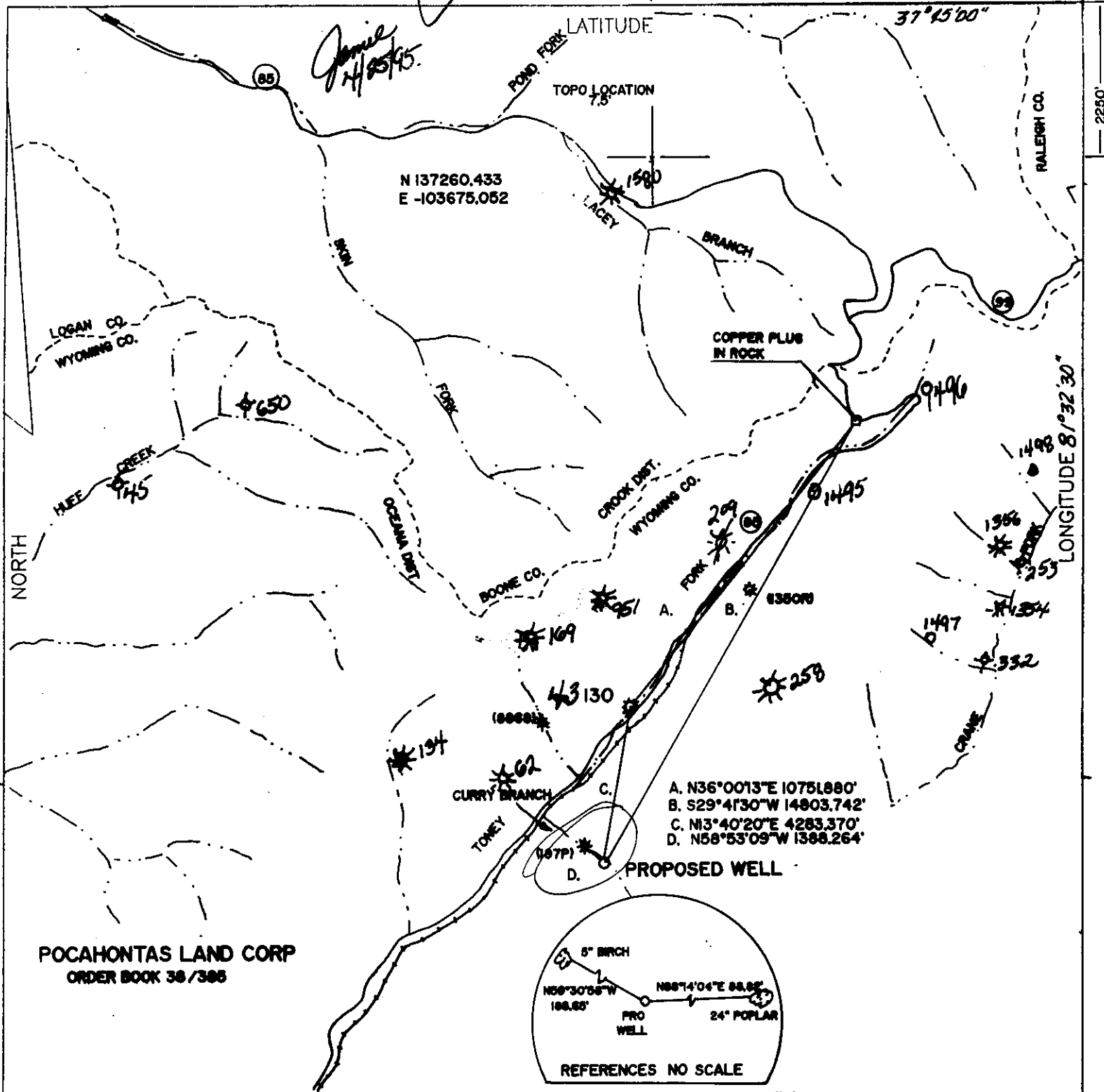
SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 29500±
 OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACREAGE 29500±
 LEASE NO. _____

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 SEWELL LIE BENEATH U. S. BECK ESTIMATED DEPTH 1935.00' OCT 1 1997

WELL OPERATOR PENNSYLVANIA OIL & GAS CORP DESIGNATED AGENT DANA BLACKSHIRE
 ADDRESS 999 EXECUTIVE PARK BLVD. SUITE 300 ADDRESS PO BOX 460
KINGSPORT, TN 37660 RAVENCLIFF, WV 25993



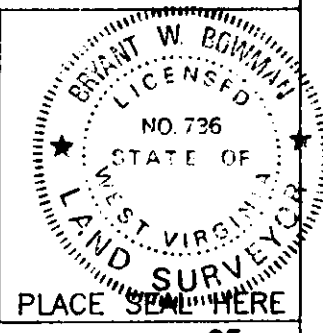
POCAHONTAS LAND CORP
ORDER BOOK 38/386

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No _____
DRAWING No _____
SCALE 1 4000
MINIMUM DEGREE OF ACCURACY 1 2500
PROVEN SOURCE OF ELEVATION COPPER PLUG
IN ROCK ELE 2783.54

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION

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



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
NIRTO, WEST VIRGINIA

DATE 03-15 19 95
OPERATOR'S WELL No. LC-69
API WELL No. 47

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE COUNTY PERMIT
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 2019 WATER SHED CURRY BRANCH OF TONEY FORK
DISTRICT OCEANA COUNTY WYOMING
QUADRANGLE MATHENY 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACERAGE 29500±
OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACERAGE 29500±
LEASE No _____

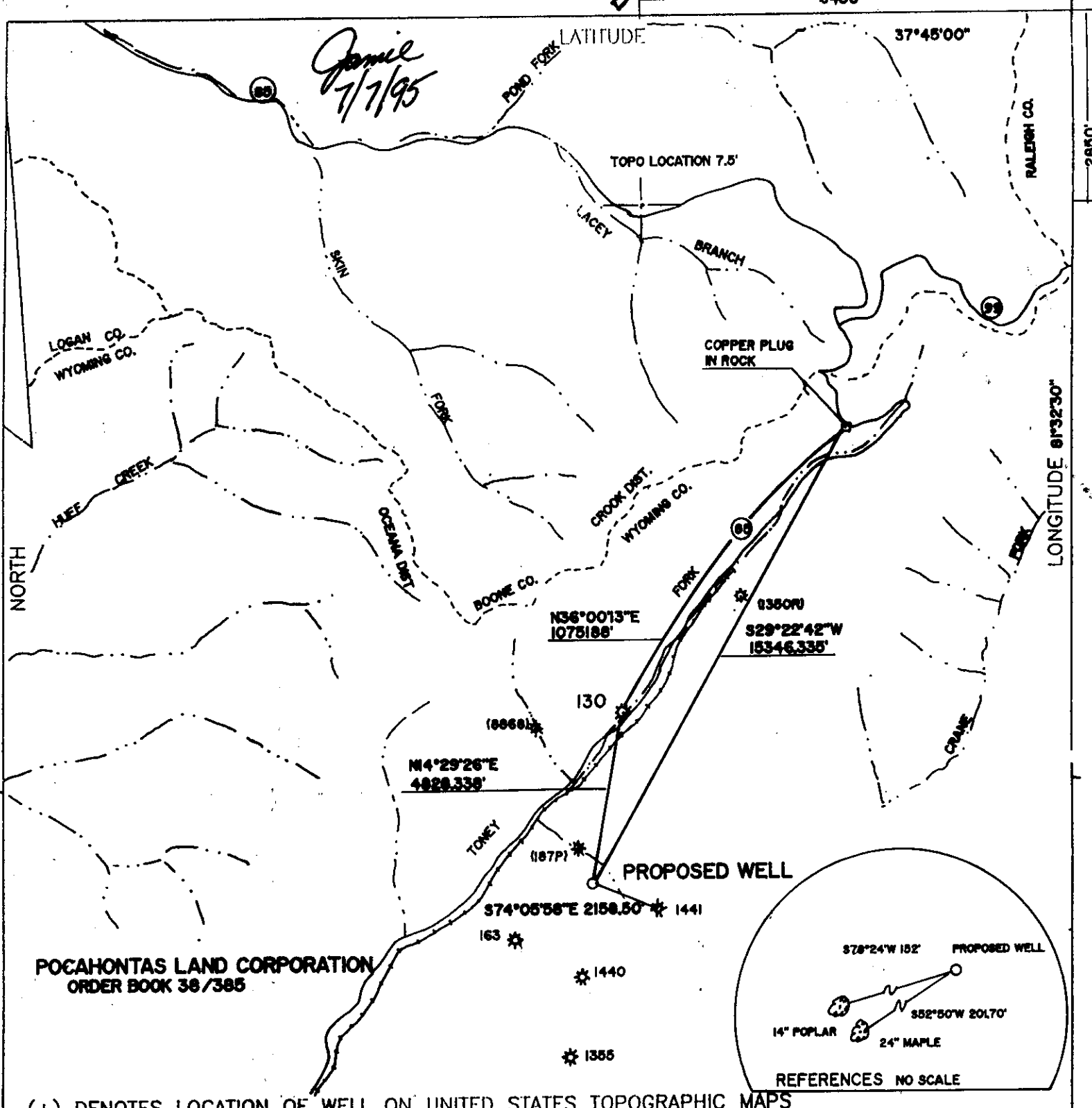
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PYHSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION GORDON ESTIMATED DEPTH 4200
WELL OPERATOR PENN VIRGINIA OIL & GAS CORPORATION DESIGNATED AGENT DANA BLACKSHIRE
ADDRESS 999 EXECUTIVE PARK BLVD., SUITE 300 ADDRESS PO BOX 460
KINGSPORT TN 37660 RAVENCLIFF, WY 25913

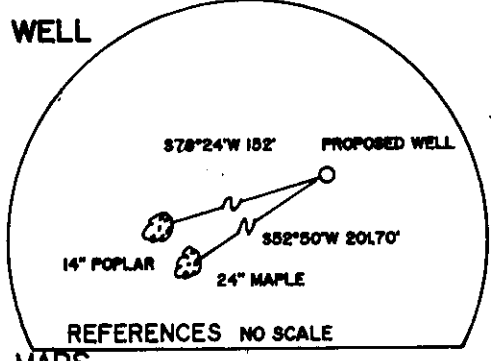
JUL 17 1995

WYO 1493



Jamil
7/7/95

POCAHONTAS LAND CORPORATION
ORDER BOOK 38/385

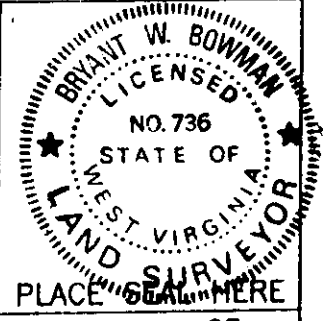


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No _____
DRAWING No _____
SCALE 1 4000
MINIMUM DEGREE OF ACCURACY 1 2500
PROVEN SOURCE OF ELEVATION COPPER PLUG
IN ROCK ELE 2783.54

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION

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



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
NIRTO, WEST VIRGINIA

DATE 06/17 19 95
OPERATOR'S WELL No. LC-69R
API WELL No. 47 109 01519-P

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE COUNTY PERMIT
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 2410 WATER SHED CURRY BRANCH OF TONEY FORK
DISTRICT OCEANA COUNTY WYOMING
QUADRANGLE MATHENY 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACERAGE 23058.53
OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACERAGE 34586.60
LEASE No _____

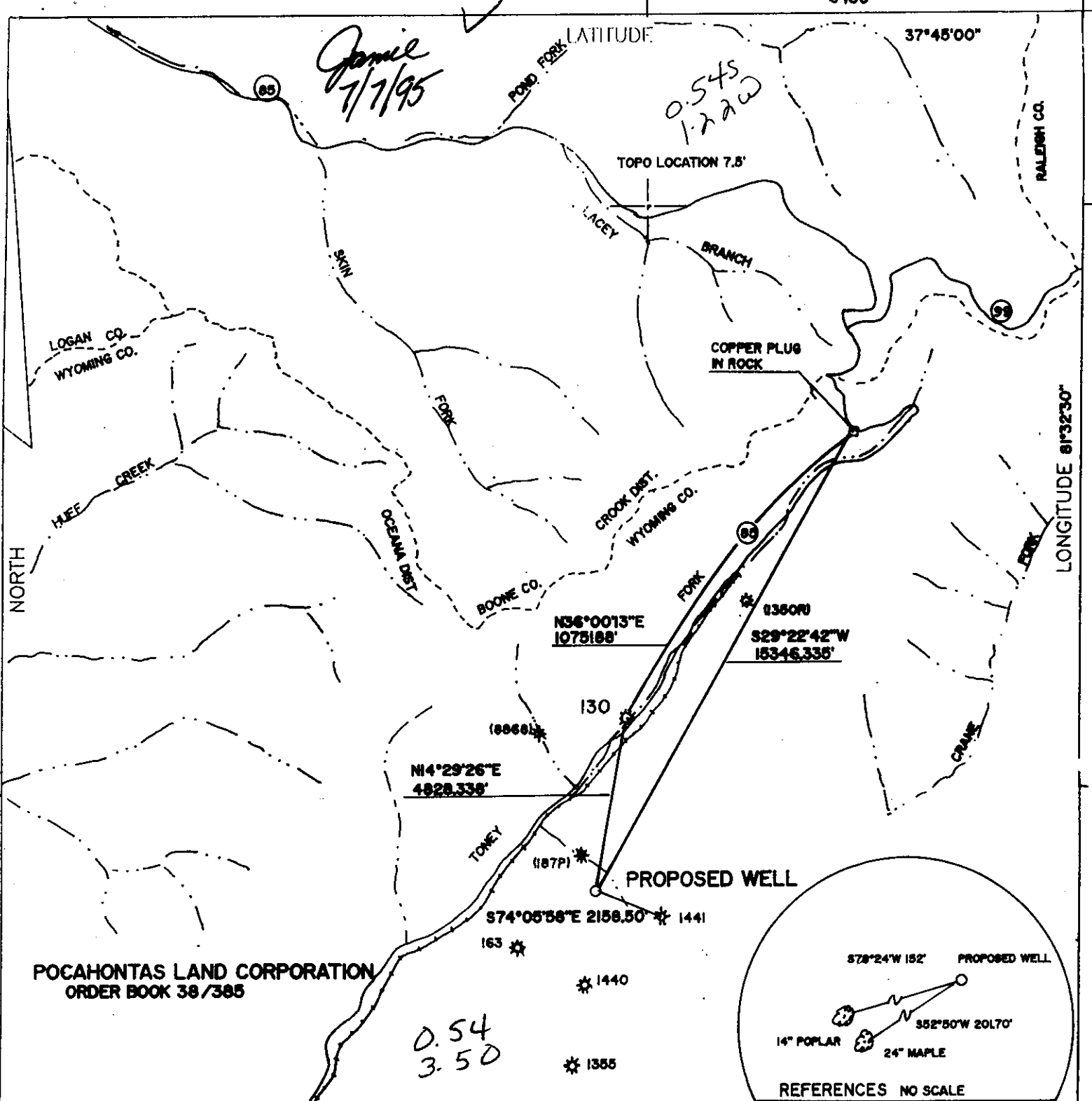
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION GORDON ESTIMATED DEPTH 5000'
WELL OPERATOR PENN VIRGINIA OIL & GAS CORPORATION DESIGNATED AGENT DANA BLACKSHIRE
ADDRESS 999 EXECUTIVE PARK BLVD., SUITE 300 ADDRESS PO BOX 460

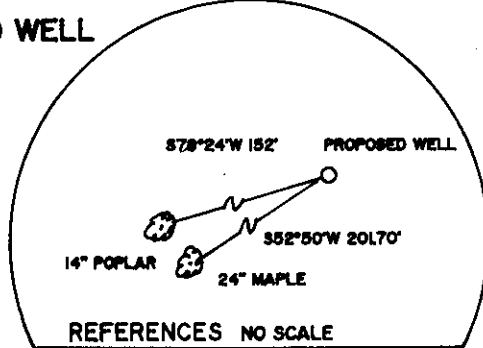
OCT 25 1996

WYO 1519



POCAHONTAS LAND CORPORATION
ORDER BOOK 38/385

0.54
3.50

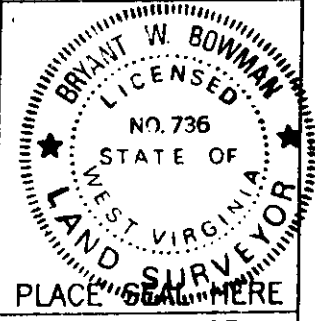


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No _____
DRAWING No _____
SCALE 1 4000
MINIMUM DEGREE OF ACCURACY 1 2500
PROVEN SOURCE OF ELEVATION COPPER PLUG
IN ROCK ELE 2783.54

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION

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



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
NIRTO, WEST VIRGINIA

DATE 06/17 19 95
OPERATOR'S WELL No. LC-69R
API WELL No. 47 109 01519

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW STATE COUNTY PERMIT

LOCATION: ELEVATION 2410 WATER SHED CURRY BRANCH OF TONEY FORK
DISTRICT OCEANA COUNTY WYOMING
QUADRANGLE MATHENY 7.5' Pineville NE

SURFACE OWNER POCAHONTAS LAND CORPORATION ACERAGE 23058.53
OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACERAGE 34586.60
LEASE No _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-0-000

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION GORDON ESTIMATED DEPTH 5000'
WELL OPERATOR PENN VIRGINIA OIL & GAS CORPORATION DESIGNATED AGENT DANA BLACKSHIRE
ADDRESS 999 EXECUTIVE PARK BLVD., SUITE 300 ADDRESS PO BOX 460

JUL 14 1995

WR-35

12-Sep-97
API # 47-109-01672 C

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

Reviewed: AW

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP Operator Well No.: 22C-69-R

LOCATION: Elevation: 2,395.00 Quadrangle: MATHENY

District: OCEANA County: WYOMING
Latitude: 2820 Feet South of 37 Deg. 45Min. 0 Sec.
Longitude 6450 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: PENN VIRGINIA OIL AND GAS
999 EXEC. PARK BLVD., STE. 300
KINGSPORT, TN 37660-0000

Agent: DANA BLACKSHIRE

Inspector: OFIE HELMICK
Permit Issued: 09/26/97
Well work Commenced: 09/24/98
Well work Completed: 01/28/99
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 1921
Fresh water depths (ft) 1" @ 60'

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 9 5/8" | 30' | 0 | --- |
| 7" | 1936' | 1936' | 361 |
| 2 3/8" | | 1907' | --- |

circulate cement to surface

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

RECEIVED
Office of Oil & Gas
Permitting
NOV 15 1999
WV DEPT OF ENVIRONMENTAL PROTECTION

OPEN FLOW DATA

Producing formation Beckley, Fire Creek Sand, Fire Creek Coal Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow Show MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests N/A Hours
 Static rock Pressure N/A psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

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 pressure) after _____ Hours

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

For: PENN VIRGINIA OIL AND GAS CORPORATION

By: William M. Ryan
Date: 11/3/99

WYO 1672C

NOV 23 1999

FORM WR-35R
(REVERSE)

PERMIT #: 47-109-01672
WELL#: 22C-69R

Note: Converted dry hole 69R (47-109-01519) to a Coal Bed Methane well.

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC

Stage 1 Lower Beckley Coal Perforated the Lower Beckley Coal from 1828' to 1830' with 6 holes, the Fire
Fire Creek Coal Creek Coal from 1864' to 1866' with 6 holes, The Fire Creek Sand from 1890' to
Fire Creek Sand & 1894' with 5 holes and the Lower Fire Creek Coal from 1898' to 1900' with 6
Lower Fire Creek Coal holes. Breakdown with 176 gallons of 7.5% HCL acid and water. Treated with
362 bbls of water and 10,000 lbs. 20/40 sand.
ATR: 14.7 BPM ATP: 2550 psi ISIP: 1700 psi

Stage 2 Beckley Coal Perforated the Beckley Coal from 1796' to 1800' with 16 holes. Breakdown with
water. Treated with 360 bbls of water and 7500 lbs. 20/40 sand.
ATR: 10.6 BPM ATP: 2750 psi ISIP: 2000 psi

Run tubing and rods and set pump jack to pump off water.

FORMATIONS TOP BOTTOM REMARKS

Tops from cased hole coal log run 09/28/98.

| | | | |
|---------------------|------|------|---|
| Sand, Shale, & Coal | 0 | 400 | Drilled Coals @ 3'-6', 11'-14', 85'-90', 250'-255', 270'-275' E-Log Coals @ 436'-438', 513'-515', 670'-672', 699'-701', 838'-841', 919'-921', 1386'-1388' |
| Sand, Shale, & Coal | 400 | 921 | |
| Sand | 921 | 1162 | |
| Shale | 1162 | 1386 | |
| Sand | 1386 | 1608 | |
| Sand & Shale | 1608 | 1683 | |
| Sand | 1683 | 1796 | |
| Coal | 1796 | 1800 | |
| Shale | 1800 | 1828 | |
| Coal | 1828 | 1830 | |
| Sand | 1830 | 1858 | |
| Shale | 1858 | 1864 | |
| Coal | 1864 | 1866 | |
| Shale | 1866 | 1871 | |
| Sand | 1871 | 1898 | |
| Coal | 1898 | 1900 | |
| Shale | 1900 | 1921 | No shows reported. |

SNOW 1091672

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

001 15 1996

Permitting Office of Oil & Gas Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP. Operator Well No.: LC-69R

LOCATION: Elevation: 2,410.00 Quadrangle: MATHENY

District: OCEANA County: WYOMING
 Latitude: 2850 Feet South of 37 Deg. 45Min. 0 Sec.
 Longitude 6450 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: PENN VIRGINIA OIL AND GAS
 999 EXEC. PARK BLVD., STE. 300
 KINGSFORT, TN 37660-0000

Agent: DANA BLACKSHIRE

Inspector: OFIE HELMICK
 Permit Issued: 07/12/95
 Well work Commenced: 04/05/96
 Well work Completed: 05/10/96
 Verbal Plugging
 Permission granted on: 5/09/96
 Rotary X Cable _____ Rig
 Total Depth (feet) 3770'
 Fresh water depths (ft) 1/4" @ 60'
 Salt water depths (ft) _____

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 9-5/8" | 30' | 0' | None |
| 7" | 1936' | 1936' | 361 cu ft. |
| | | | |
| | | | |
| | | | |
| | | | |

Is coal being mined in area (Y/N)? N
 Coal Depths (ft): 3-6, 11-14, 85-90, 250-255, 270, 275, 452-454, 527-530, 587-590, 985-987, 1400-1403, 1620-1626
 OPEN FLOW DATA

Producing formation Dry Hole Pay zone depth (ft) _____
 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 pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
 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 pressure) after _____ Hours

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

For: PENN VIRGINIA OIL AND GAS CORPORATION

By: William M. Ryan
 Date: 10/7/96

FORM WR-35
(Reverse)

Permit #: 47-109-01519
Well #: LC 69

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

PLUGGED UNDER CONTINUOUS OPERATIONS

| <u>FORMATION</u> | <u>TOP</u> | <u>BOTTOM</u> | <u>REMARKS</u> |
|--------------------|------------|---------------|-------------------|
| Sand, Shale & Coal | 0 | 1626 | 1/4" Stream @ 60' |
| Sand & Shale | 1626 | 2267 | |
| Upper Princeton | 2267 | 2276 | |
| Shale | 2276 | 2368 | |
| Lower Princeton | 2368 | 2394 | |
| Shale | 2394 | 2470 | |
| Ravencliff | 2470 | 2502 | |
| Avis Lime | 2502 | 2537 | |
| Shale & Red Rock | 2537 | 2574 | |
| Sand | 2574 | 2634 | |
| Shale | 2634 | 2720 | |
| Sand | 2720 | 2745 | |
| Shale | 2745 | 3182 | |
| Little Lime | 3182 | 3260 | |
| Shale | 3260 | 3302 | |
| Big Lime | 3302 | 3668 | Show @ 3606 |
| Shale | 3668 | 3770 | |
| Total Depth | 3770 | | |

RECEIVED

STATE OF WEST VIRGINIA

Now 1519

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
Environmental Protection WELL WORK PERMIT APPLICATION

37355 - (6) 463

1) Well Operator: PENN VIRGINIA OIL & GAS CORPORATION 109 1493

Operating Well Number: LC-69 3) Elevation: 2019

Office of Oil & Gas Well type: (a) Oil ___ / or Gas X /

Issued 04/28/95
Expires 04/28/97

(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow ___ /

Proposed Target Formation(s): Gordon 419

Proposed Total Depth: 4200 feet

Approximate fresh water strata depths: 40', 494', 309', 343'

Approximate salt water depths: N/A

Approximate coal seam depths: 540, 1320, 1690 @ 1210'

Does land contain coal seams tributary to active mine? Yes X / No ___ /

Proposed Well Work: Drill & Complete New Well

12)

CASING AND TUBING PROGRAM

| TYPE | SPECIFICATIONS | | FOOTAGE INTERVALS | | | CEMENT Fill-up (cu. ft.) |
|--------------|----------------|-------|-------------------|-----------------|-----------------|--------------------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | |
| Conductor | | | | | | 38CSRB-11.3 |
| Fresh Water | | | | | | 38CSRB-11.2.2 |
| Coal | 7" | L.S. | 20 | 1730 | 1730 | 265 |
| Intermediate | | | | | | |
| Production | 4 1/2 | J-55 | 10.5 | 4200 | 4200 | 255 |
| Tubing | | | | | | 38CSRB-11.1 |
| Liners | | | | | | |

PACKERS : Kind _____
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only

Fee(s) paid: 17 Well Work Permit 17 Reclamation Fund 17 WPCP
Plat 17 WW-9 17 WW-2B 17 Bond SB Blunkel Agent
(Type)

1251
21

RECEIVED

WV Division of
Environmental Protection

APR 10 1995

Page 1 of 3
Form WW2-A
(09/87)
File Copy

- 1) Date: 03-14-1995
- 2) Operator's well number
LC-69
- 3) API Well No: 47 - 109 - 1493
State - County - Permit

**Permitting
Office of Oil & Gas** 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 Pocahontas Land Corporation
Address Post Office Box 1517
Bluefield, WV 24701
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name Eastern Associated Coal
Address 800 Laidley Tower
Charleston, WV 25324
 - (b) Coal Owner(s) with Declaration
Name Pocahontas Land Corporation
Address Post Office Box 1517
Bluefield, WV 24701
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Ofie Helmick
Address P.O. Box 398
Brenton, WV 24818
Telephone (304)-732-9135

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)
- X 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 PENN VIRGINIA OIL & GAS CORPORATION
By: C.M. Randolph
Its: Vice President
Address 999 Executive Park Blvd., Suite 300
Kingsport, TN 37660
Telephone 1-615-392-0500

Subscribed and sworn before me this 5th day of April, 1995

Kita M. Johnson Notary Public
My commission expires 2-13-99

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

- 1) Well Operator: PENN VIRGINIA OIL & GAS CORPORATION 37355 (6) 463
- 2) Operator's Well Number: LC-69R 3) Elevation: 2910
- 4) Well type: (a) Oil / or Gas X Formerly ~~109-1493~~
(b) If Gas: Production X / Underground Storage /
Deep / Shallow
- 5) Proposed Target Formation(s): Gordon G-9 Issued 07/12/95
- Proposed Total Depth: 5000 feet Expires 07/12/97
- Approximate fresh water strata depths: 30
- 6) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 750, 1520, 1680
- 10) Does land contain coal seams tributary to active mine? Yes X / No
- 11) Proposed Well Work: Drill and Complete New Well
- 12)

CASING AND TUBING PROGRAM

| TYPE | SPECIFICATIONS | | FOOTAGE INTERVALS | | | CEMENT Fill-up (cu. ft.) |
|--------------|----------------|-------|-------------------|-----------------|-----------------|--------------------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | |
| Conductor | | | | | | 38CSPI/11.3 |
| Fresh Water | 9 5/8 | L.S. | 29 | 80 | 80 | CS 30 |
| Coal | 7 | L.S. | 20 | 1930 | 1930 | 295 |
| Intermediate | | | | | | 38CSPI/11.2.2 |
| Production | 4 1/2 | J-55 | 10.5 | 5000 | 5000 | 230 |
| Tubing | | | | | | 38CSPI/11.1 |
| Liners | | | | | | |

PACKERS : Kind _____
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only

0209/32

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

RECEIVED
Environmental Protection
Permitting
Office of Oil & Gas

1) Date: 06-14-1995
2) Operator's well number
LC-69R
3) API Well No: 47 - 109 - 1519
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Pocahontas Land Corporation
Address PO Box 1517
Bluefield, WV 24701
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name Eastern Associated Coal
Address 800 Laidley Tower
Charleston, WV 25324
 - (b) Coal Owner(s) with Declaration
Name Pocahontas Land Corporation
Address PO Box 1517
Bluefield, WV 24701
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Mr. Ofie Helmick
Address PO Box 398
Brenton, WV 24818
Telephone (304)-732-9135

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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 PENN VIRGINIA OIL & GAS CORPORATION
By: C. M. Randolph
Its: Vice President
Address 999 Executive Park Blvd., Suite 300
Kingsport, TN 37660
Telephone 1-615-392-0500

Subscribed and sworn before me this 20th day of June, 1995

Kita Gibson Notary Public
My commission expires 2-13-99

1) Well Operator: PENN VIRGINIA OIL & GAS CORPORATION 37355 (4) 463

2) Operator's Well Number: 22C-69R 3) Elevation: 2395

10916720

Well type: (a) Oil ___ / or Gas X /

(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow ___ /

Proposed Target Formation(s): Swell, Little Raleigh, U. Beckley, Red
Lower Fire Creek

Proposed Total Depth: 1935 feet *lessened 09/26/97*

Approximate fresh water strata depths: 60' *Expires 09/26/99*

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: 3, 11, 85, 250, 270, 452, 527, 587, 885
to be treated 1400, 1625, 1750, 1840, 1910

10) Does land contain coal seams tributary to active mine? Yes X / No ___ /

11) Proposed Well Work: Re-enter P&A well WYO-1519, Clean out to BTM. 7" c-sg, Bond log

12) 7" and run ^{CSG. Hole} coal log; set bridge; Plug in BTM 7", Perforate and treat coals listed above
CASING AND TUBING PROGRAM

RECEIVED
Office of Oil & Gas
Permitting
Environmental Protection
SEP 17 1997

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

| TYPE | SPECIFICATIONS | | Weight per ft. | For drilling | Left in well | Fill-up (cu. ft.) |
|--------------|----------------|-------|----------------|--------------|--------------|----------------------------------|
| | Size | Grade | | | | |
| Conductor | | | | | 0 | |
| Fresh Water | | | | | | |
| Coal | 7 | L.S. | 17 | | 1935 | 361 Cu. Ft circulated to surface |
| Intermediate | | | | | | |
| Production | | | | | | |
| Tubing | 2 3/8 | J-55 | 4.7 | | 1900 | |
| Liners | | | | | | |

PACKERS : Kind _____
Sizes _____
Depths set _____

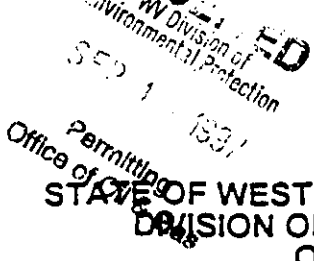
01/05/00
30

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)

1) Date: August 13, 1997
2) Operator's well number
22C-69R
3) API Well No: 47 - 109 - 1672-C
State County Permit



STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Pocahontas Land Corp Name Eastern Associated Coal Corp
 Address PO Box 1517 Address 800 Laidley Tower
Bluefield, WV 24701 Charleston, WV 25324
- (b) Name _____ (b) Coal Owner(s) with Declaration
 Address _____ Name Pocahontas Land Corporation
 Address PO Box 1517
Bluefield, WV 24701
- (c) Name _____ Name _____
 Address _____ Address _____
- 6) Inspector Mr. Ofie Helmick (c) Coal Lessee with Declaration
 Address Post Office Box 398 Name _____
Brenton, WV 24818-0398 Address _____
 Telephone (304)- 543-0764

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

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Well Operator PENN VIRGINIA OIL & GAS CORPORATION
 By: C.M. Randolph
 Its: Vice President
 Address 999 Executive Park Blvd., Suite 300
Kingsport, TN 37660
 Telephone 1-423-392-0500

Subscribed and sworn before me this 8th day of September, 1997

Kita Hulson Notary Public
My commission expires 2-13-99