

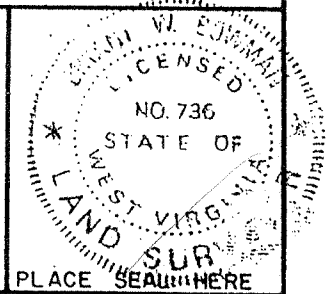
NO REFERENCES REQUIRED. WELL IS EXISTING.

REFERENCES NO SCALE

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=2000'
 MINIMUM DEGREE OF ACCURACY 1/5000
 PROVEN SOURCE OF ELEVATION COPPER PLUG 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) Bryan D. South
 R. P. E. _____ L. L. S. 736



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

FORM IV-6 (8-78)

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

LOCATION: ELEVATION 2251 WATER SHED HEADWATERS OF POND FORK
 DISTRICT CROOK COUNTY BOONE
 QUADRANGLE PILOT KNOB, WV 7.5'

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

PROPOSED WORK: DRILL X 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 Lower War Eagle Gilbert # Coals ESTIMATED DEPTH 1000

WELL OPERATOR PENN VIRGINIA OIL & GAS CORP DESIGNATED AGENT MR. HARRY JEWEL
 ADDRESS PO BOX 387 ADDRESS PO BOX 460
DUFFIELD, VA 24244-0387 RAVENCLIFF, WV 25913

DATE AUGUST 7, 2001
 OPERATOR'S WELL NO. LC85C-184
 API WELL NO. _____
47 - 005 - 01672C
 STATE COUNTY PERMIT

Division of Environmental Protection
 Office of Oil & Gas

NOV 16 2001

CHARLESTON BLUEPRINT 092941

Boo 1672C

7100'

LATITUDE 37°50'00"

LONGITUDE 81°30'00"

Janie
2/14/98

POCAHONTAS LAND CORPORATION
ORDER BOOK 38/385

1642

1610

1629

1626

- A. N07°14'12"E 1951.058'
- B. S30°26'17"E 2861.012'
- C. S02°16'32"E 2186.233'
- D. N33°16'20"W 3248.150'

NORTH

POND

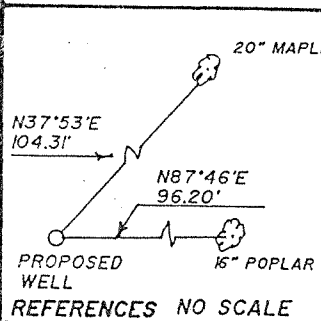
RICH

BRANCH

FORK

Boone Co.

Putlip Co.

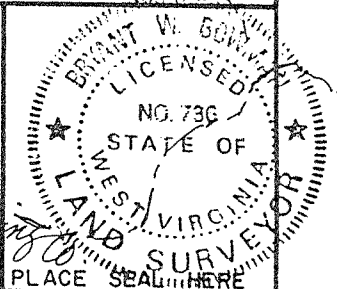


REFERENCES NO SCALE

NO KNOWN WATER WELLS WITHIN 2000'

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:5000
 PROVEN SOURCE OF ELEVATION EXISTING WELL 1610
ELEVATION 2123.58

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) *Lynette Brown*
 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 01-12, 19 98
 OPERATOR'S WELL NO. LC-184
 API WELL NO. 47-005-01072-P
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2258 WATER SHED POND FORK
 DISTRICT CROOK COUNTY BOONE
 QUADRANGLE PILOT KNOB, 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 X 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 Plugging existing well drilled 1998

TARGET FORMATION Ravencliff, B. Lias, Gordon ESTIMATED DEPTH 4500' 1998 listed as a dry hole

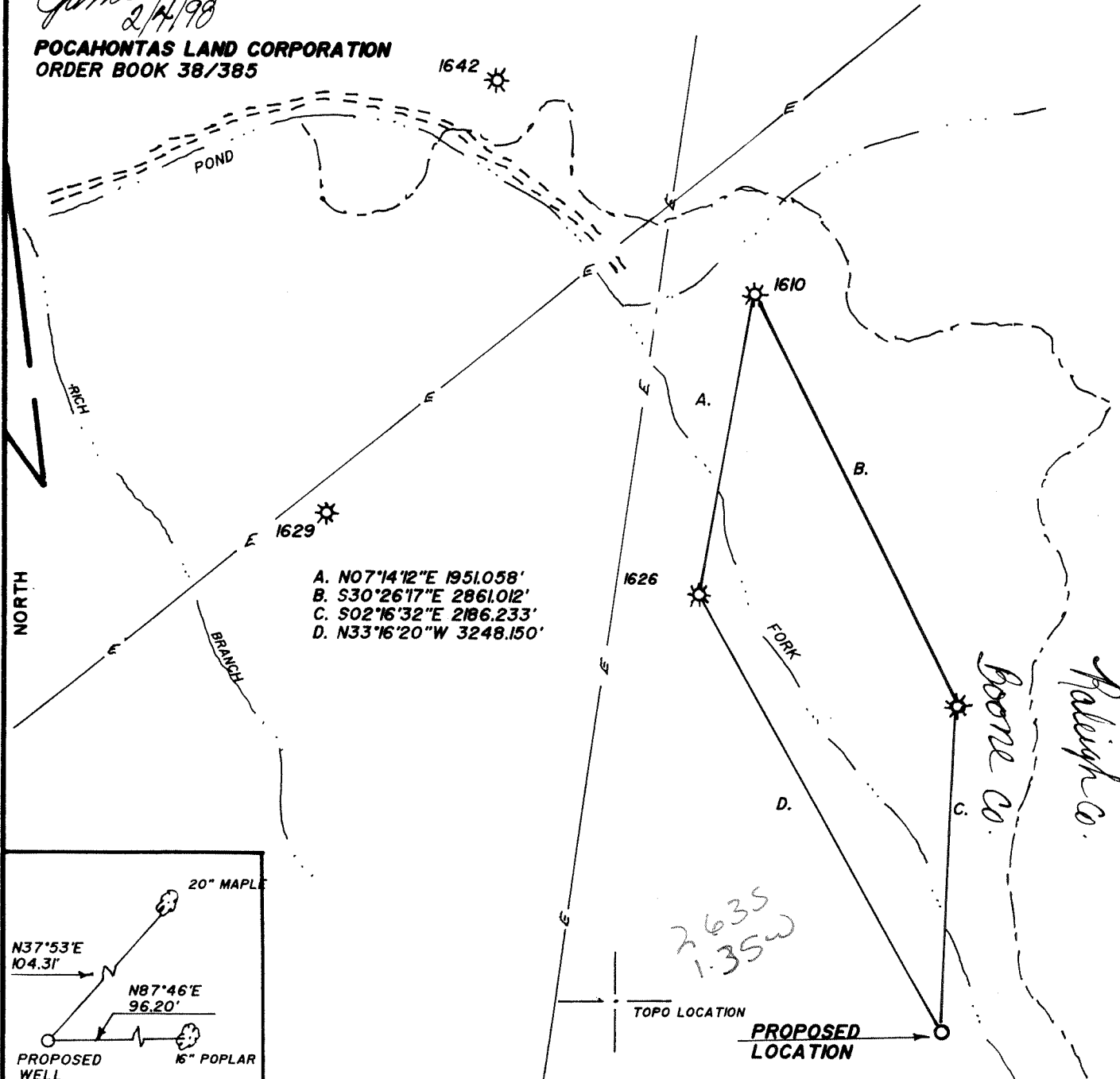
WELL OPERATOR PENN VIRGINIA OIL & GAS CORP DESIGNATED AGENT MR. HARRY JEWEL
 ADDRESS 999 EXECUTIVE PARK BLVD., SUITE 300 ADDRESS PO BOX 460
KINGSPORT, TN 37660 RAVENCLIFF, WV 25913

800 1672 P

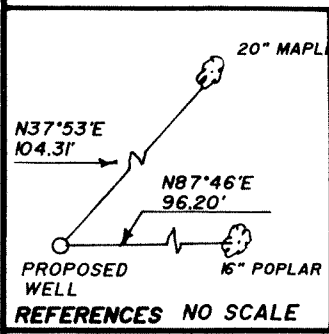
CHARLESTON BLUEPRINT 087153

Janice
2/14/98

POCAHONTAS LAND CORPORATION
ORDER BOOK 38/385



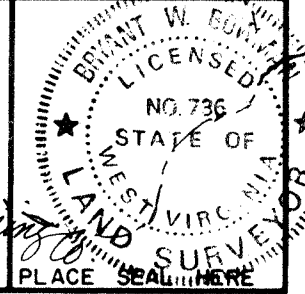
- A. N07°14'12"E 1951.058'
- B. S30°26'17"E 2861.012'
- C. S02°16'32"E 2186.233'
- D. N33°16'20"W 3248.150'



NO KNOWN WATER WELLS WITHIN 2000'

FILE NO. _____
 DRAWING NO. _____
 SCALE **1"=1000'**
 MINIMUM DEGREE OF ACCURACY **1:5000**
 PROVEN SOURCE OF ELEVATION **EXISTING WELL 1610**
ELEVATION 2123.58

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) *Sydney Bourn*
 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 **01-12**, 19 **98**
 OPERATOR'S WELL NO. **LC-184**
 API WELL NO. **47-005-01672**
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION **2258** WATER SHED **POND FORK**
 DISTRICT **CROOK** COUNTY **BOONE**
 QUADRANGLE **PILOT KNOB, 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) **66247**

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION **Ravencliff, B. Lias, Gordon** ESTIMATED DEPTH **4500'** FEB 06 1998

WELL OPERATOR **PENN VIRGINIA OIL & GAS CORP** DESIGNATED AGENT **MR. HARRY JEWEL**
 ADDRESS **999 EXECUTIVE PARK BLVD., SUITE 300** ADDRESS **PO BOX 460**
KINGSPORT, TN 37660 **RAVENCLIFF, WV 25913**

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

Reviewed: *MJP*

Well Operator's Report of Well Work

Farm Name Pocahontas Land Corporation

Operator Well No.: LC-85-184

LOCATION Elevation: 2251

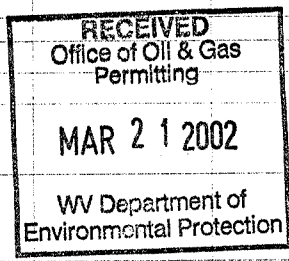
Quadrangle: Pilot Knob 7 1/2'

District: Crook County: Boone
Latitude: 14000 Feet South of 37 Deg. 50 Min. 00 Sec.
Longitude: 7180 Feet West of 81 Deg. 30 Min. 00 Sec.

Company:

Penn Virginia Oil & Gas Corporation

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 2550 East Stone Drive, Suite 110	9 5/8"	254'	254'	165
Kingsport, TN 37660	7"	2221'	2221'	446
Agent: Harry Jewell				
Inspector: Ofie Helmick				
Date Permit Issued: 11/13/2001		Recompletion	inside existing	7" casing
Date Well Work Commenced:				
Date Well Work Completed:				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet):				
Fresh Water Depth (ft):				
1" @ 100				
Salt Water Depth (ft):				



Is coal being mined in area (N/Y)? N

Coal Depths (ft):

OPEN FLOW DATA

Producing formation Lower War Eagle & Gilbert A Coals Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow Not Taken MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests: _____ Hours

Static rock pressure Not Taken 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 CHANE, TEC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

By: *William M. Ryan*
Date: 3/19/02

MAR 22 2002

800 1672 C

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

Set CIBP (w/10' of cement on top) @ 1010' inside 7" casing. Stage 1 - Gilbert "A" Coal - Perforated from 834.5' to 837.5' with 12 holes. Treated below packer via 4 1/2" work string. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 227 bbls water and 6300 lbs of 20/40 sand. ISIP: 1227 psi. ATP: 2320 psi. ATR: 20 BPM Stage 2 - Lower War Eagle Coal - Perforated from 729.5' to 731.5' with 8 holes. Treated below packer via 4 1/2" work string. Breakdown with 250 gallons 15% HCL acid and water. Treated with 223 bbls water and 4500 lbs of 20/40 sand. ISIP: 1030 psi. ATP 2181 psi. ATR: 20 BPM

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
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WR-35

03-Feb-98
API # 47- 5-01672

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

Well Operator's Report of Well Work

JAN 21 1998

Farm name: POCAHONTAS LAND CORP. Operator Well No.: LC-184

LOCATION: Elevation: 2,258.00 Quadrangle: PILOT KNOB

District: CROOK County: BOONE
Latitude: 13750 Feet South of 37 Deg. 50Min. 0 Sec.
Longitude 7100 Feet West of 81 Deg. 30 Min. 0 Sec.

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

Agent: HARRY JEWELL, III

Inspector: RICHARD CAMPBELL
Permit Issued: 02/05/98
Well work Commenced: 05/20/98
Well work Completed: 07/31/98
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 3899'
Fresh water depths (ft) 1" at 100'
Salt water depths (ft) _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	254'	254'	165
7"	2221'	2221'	446
4 1/2"	3573'	3573'	276

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

OPEN FLOW DATA

Producing formation Big Lime Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 84 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 390 psig (surface pressure) after 90 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: 1/15/99

FEB 01 1999

11/17/02

800
1612

FORM WR-35R
(REVERSE)

PERMIT #: 47-005-01672
WELL#: LC 184

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC

Stage 1	Big Lime (Union)	Perforated from 3116' to 3120' with 5 holes and from 3272' to 3278' with 13 holes. Breakdown with 500 gallons of 15% HCL acid and treated water. Treated with 103 bbls of gelled water, 3000 gallons of 15% HCL acid and 129,000 SCF of N2. ATR: 25 BPM ATP: 1550 psi ISIP: 1440 psi
Stage 2	Big Lime (Union)	Perforated from 3148' to 3152' with 9 holes and from 3154' to 3156' with 5 holes. Breakdown with 500 gallons of 15% HCL acid and N2. Treated with 103 bbls of gelled water, 3000 gallons of 15% HCL acid and 202,000 SCF of N2. ATR: 20 BPM ATP: 1775 psi ISIP: 1800 psi

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, Shale & Coal	0	1557	Coals @ 100-103, 269-277, 447-449, 512-514, 727-730, 834-838, 1554-1556
Sand & Shale	1557	2102	
Sand	2102	2140	
Shale	2140	2172	
Princeton Sand	2172	2230	
Shale	2230	2297	
Ravenclyff Sand	2297	2311	
Sand & Shale	2311	2362	
Avis Limestone	2362	2398	
Shale	2398	2464	
Sand	2464	2514	
Shale & Redrock	2514	2908	Gas check @ 2576' - no show
Sand & Shale	2908	2934	Gas check @ 2760' - no show
Sand	2934	2980	
Shale	2980	3008	
Little Lime	3008	3098	Gas check @ 3038' - no show
Shale	3098	3400	Gas check @ 3150' - 7925 MCF
Big Lime	3400	3518	Gas check @ 3272' - 146 MCF
Shale	3518	3624	Gas check @ 3335' - 876 MCF
Weir	3624	3676	Gas check @ 3495' - 267 MCF
Shale	3676	3899	Gas check @ TD - 60 MCF

WR-38
31-Mar-99

API # 47- 5-01672-P

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: POCAHONTAS LAND CORP Operator Well No.: LC-184
LOCATION: Elevation: 2,258.00 Quadrangle: PILOT KNOB
District: CROOK County: BOONE
Latitude: 13750 Feet South of 37 Deg. 50 Min. 0 Sec.
Longitude 7100 Feet West of 81 Deg. 30 Min. 0 Sec.

Well Type: OIL _____ GAS X

Company: Penn VA Oil & Gas Corp. Coal Operator Eastern Associated Coal Corp
999 Executive Park Blvd Suite 300 or Owner 800 Laidley Tower
Kingsport TN 37660 Charleston WV 25324

Agent: Harry Jewell Coal Operator Pocahontas Land Corporation
or Owner P.O. Box 1517
Bluefield WV 26011 IVED
Oil & Gas
remitting

Permit Issued: 04/01/99

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln ss:

OCT 22 1999

Paul Stevens and Scott Parsons being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Richard Campbell Oil and Gas Inspector representing the Director, say that said work was commenced on the 26th day of April, 1999 and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel Hole	Surface	3899'		
Pull 2-3/8"		3189'	3189'	0
Cement	3128'	3028'		
Pull 4-1/2"		2077'	2077'	1496'
Cement	2077'	1977'		
Gel	1977'	Surface		
9-5/8" left in well				254'
7" left in well				222'

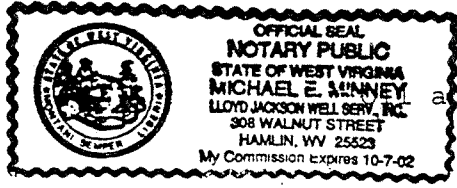
Description of monument: Erect monument with API # 47-5-01672-p and that the work of plugging and filling said well was completed on the 27th day of April, 1999.

And further deponents saith not.

Sworn and subscribe before me this 17th day of April, 1999
My commission expires: 10-07-2002

Paul Stevens
Scott Parsons
Richard Campbell
Notary Public

and Gas Inspector: Richard Campbell



NOV 8 1999

Boo 1072-P