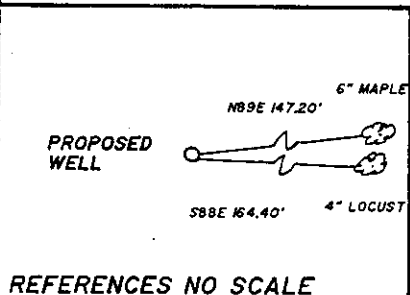


COORDINATES  
 273232.228  
 1839497.691  
 NAD 27 SOUTH

POCAHONTAS LAND CORPORATION  
 ORDER BOOK 38/385

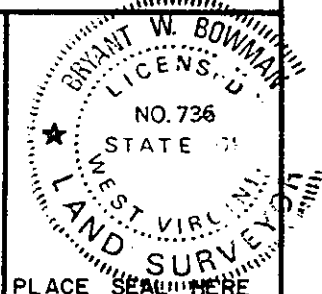
NO KNOWN WATER WELLS  
 WITHIN 1000'



REFERENCES NO SCALE

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=1000'  
 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) Bryant W. Bowman  
 R.P.E. \_\_\_\_\_ L.L.S. 736



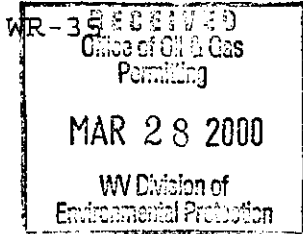
WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE MAY 25, 1998  
 OPERATOR'S WELL NO. 44C  
 API WELL NO. 47-109-01745C  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_)  
 LOCATION: ELEVATION 2703 WATER SHED TONY FORK  
 DISTRICT OCEANA COUNTY WYOMING  
 QUADRANGLE MATHENY, WV 7.5'  
 SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 23058±  
 OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACREAGE 34586±  
 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 Sew, Lit, Bal, Beckley, Poca 4,5,6 ESTIMATED DEPTH 2600' MAY 20 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

WYO 1745C



16-Jul-98  
API # 47-109-01745 C

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

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP Operator Well No.: 44C

LOCATION: Elevation: 2,703.00 Quadrangle: MATHENY

District: OCEANA County: WYOMING  
Latitude: 400 Feet South of 37 Deg. 45Min. 0 Sec.  
Longitude 4000 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: HARRY JEWELL, III

Inspector: OFIE HELMICK  
Permit Issued: 07/16/98  
Well work Commenced: 08/16/99  
Well work Completed: 12/02/99  
Verbal Plugging  
Permission granted on:  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2254'  
Fresh water depths (ft) Damp at 65'

| Size    | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|---------|------------------|--------------|------------------------|
| 13 3/8" | 20'              | 20'          | 0                      |
| 9 5/8"  | 277'             | 277'         | 201 cu ft              |
| 7"      | 910'             | 910'         | 202 cu ft              |
| 4 1/2"  | 2182'            | 2182'        | 315 cu ft              |

Salt water depths (ft) \_\_\_\_\_

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

OPEN FLOW DATA

Producing formation Beckley 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 NA Hours  
Static rock Pressure NA 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: 1/7/2000

APR 1 8 2000

WYO 1745 C

FORM WR-35R  
(REVERSE)

PERMIT #: 47-109-01745  
WELL #: LC-44C

General Information – Sequence of Events: Drilled well to 2248'. Plugged back with cement from TD to 1688' for horizontal kickoff. Drilled cement to kickoff point at 1804'. Drilled 4 3/4" horizontal section from 1804' to 2383' (measured depth). Plugged back horizontal section from 2350' to 1588' with 15 bbls cement. Drilled out cement in original wellbore from 1588' to 2187'. Completed as outlined below.

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

Stage 1      Lower Beckley      Perforated from 2117' to 2123' with 24 holes. Breakdown with 500 gallons 7.5% HCL acid and water. Treated with 378 bbls water and 11477 lbs 20/40 sand.  
ATR: 20 BPM      ATP: 2308 psi      ISIP: 1850 psi

| <u>FORMATIONS</u>     | <u>TOP</u> | <u>BOTTOM</u> | <u>REMARKS</u>  |
|-----------------------|------------|---------------|---|
| Sand & Shale          | 0          | 300           | Coals @ 257'-260', 283'-290',<br>306'-309', and 569'-571' |
| Sand                  | 300        | 650           |   |
| Shale                 | 650        | 730           |   |
| Sand                  | 730        | 942           |   |
| Shale & Thin Coals    | 942        | 1130          |   |
| Shale                 | 1130       | 1300          |   |
| Sand                  | 1300       | 1496          |   |
| Sand & Shale          | 1496       | 1690          |   |
| Sand                  | 1690       | 1914          |   |
| Sand & Shale          | 1914       | 2090          |   |
| Shale                 | 2090       | 2116          |   |
| Beckley Coal          | 2116       | 2124          |   |
| Sand                  | 2124       | 2160          |   |
| Fire Creek Coal       | 2160       | 2161          |   |
| Sand                  | 2161       | 2184          |   |
| Lower Fire Creek Coal | 2184       | 2185          |   |
| Sand & Shale          | 2185       | 2254          |   |