

State of West Virginia
Division of Environmental Production
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name Pocahontas Land Corporation

Operator Well No.: LCHC-007B

LOCATION: Elevation: 2438.75

Quadrangle: Arnett 7 1/2'

District: Oceana County: Wyoming
Latitude: 6090 Feet South of 37 Deg. 47 Min. 30 Sec.
Longitude: 6620 Feet West of 81 Deg. 27 Min. 30 Sec.

Company:

Penn Virginia Oil & Gas Corporation

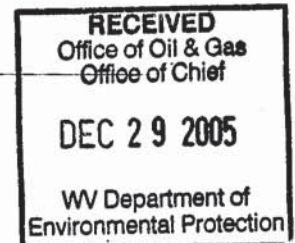
	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 2550 East Stone Drive, Suite 110 Kingsport, TN 37660	13 3/8"	32'	32'	41 cu ft
Agent: Harry Jewell	9 5/8"	305'	305'	165 cu ft
Inspector: Ralph Triplett	7"	1548'	1548'	354 cu ft
Date Permit Issued: 09/23/2004				
Date Well Work Commenced: 09/30/2004				
Date Well Work Completed: 01/21/2005				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 1,650				
Fresh Water Depth (ft): NA				
Salt Water Depth (ft): NA				
Is coal being mined in area (N/Y)?				
Coal Depths (ft):				



OPEN FLOW DATA

Producing formation Lower Beckley Coal 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 CHANE, TEC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Michael Stampler
By: Michael Stampler
Date: 12-21-2005

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

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sandstone/Shale	0	470	
Coal	470	472	
Sandstone/Shale	472	530	
Coal	530	532	
Sandstone/Shale	532	1050	
Coal	1050	1052	
Sandstone/Shale	1052	1592	
Coal (Lower Beckley)	1592	1596	
Sandstone/Shale	1596	1650	



Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

Stephanie R. Timmermeyer,
Cabinet Secretary

September 23, 2004

WELL WORK PERMIT Coalbed Methane

This permit, API Well Number: 47-10902405, issued to PENN VIRGINIA OIL AND GAS CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced.

If there are any questions, please feel free to contact me or Mr. Al Blankenship at 304-558-6342.

JAMES MARTIN
Chief,
Office of Oil and Gas

Operator's Well No: LCHC-007B

Farm Name: POCAHONTAS LAND CORP.

API Well Number: 47-10902405

Permit Type: Coalbed Methane

Date Issued: 09/23/2004

23

109-02405

Form: WW-2B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator Penn Virginia Oil & Gas Corporation

	Wyoming	Oceana	Arnett 7 1/2'
Operator ID	County	District	Quadrangle

2) Operator's Well Number: LCHC-007B

3) Elevation: 2438.75

4) Well Type: (a) Oil or Gas

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

5) Proposed Target Formation(s): Lower Beckley Coal

6) Proposed Total Depth: 1635 Feet

7) Approximate fresh water strata depths: NA

8) Approximate salt water depths: NA

9) Approximate coal seam depths: 181; 253; 1300; 1581

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Environmental Protection

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work: Drill a slant hole to Lower Beckley Coal. Produce CBM from multi-lateral horizontal-patterns drilled by well LCHC-007A

12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill-up (Cu. Ft.)
Conductor	13 3/8	LS		20	20'	0
Fresh Water	9 5/8	LS	26	285	285	90
Coal						
Intermediate	7	LS	17	1548	1548	235
Production	2 3/8	J-55	4.7		1600	0
Tubing						
Liners						

C.T.S.
RDT
08/11/04
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RDT
08/11/04

Packers: Kind
 Sizes:
 Depths Set