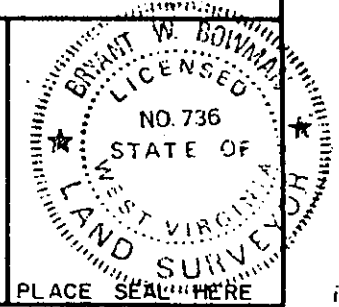


REFERENCES NO SCALE

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1:5000  
 PROVEN SOURCE OF ELEVATION COPPER PLUG IN ROCK  
 ELEVATION 2753.84'

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 JUNE 14, 2000  
 OPERATOR'S WELL NO. LC-58CR  
 API WELL NO. 47-409-01937C  
 STATE COUNTY PERMIT

Division of Environmental Protection  
 Office of Oil & Gas

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

LOCATION: ELEVATION 2362 WATER SHED TONEY FORK  
 DISTRICT OCEANA COUNTY WYOMING  
 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  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 Buckley, Fire Creek, Pease, etc ESTIMATED DEPTH 2200

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

CHARLESTON BLUEPRINT 092941

WYO 1937C

6-6-2000 JUL 14 2000 Charleston, WV

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

Reviewed \_\_\_\_\_  
\_\_\_\_\_

Well Operator's Report of Well Work

Farm name: Pocahontas Land Corporation Operator Well No.: LC-58CR

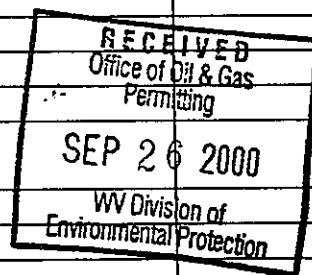
LOCATION: Elevation: 2362' Quadrangle: Pilot Knob, WV 75.

District: Oceana County: Wyoming  
Latitude: 11200 Feet South of 37 Deg. 47 Min. 30 Sec.  
Longitude 2800 Feet West of 81 Deg. 32 Min. 30 Sec.

Company:

Penn Virginia Oil & Gas Corporation

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 387	13 3/8"	18'	18'	0
Duffield, VA 24244	7"	930'	930'	256
Agent: Harry Jewell	4 1/2"	1960'	1960'	302
Inspector: Ofie Helmick				
Date Permit Issued: 7/12/2000				
Date Well Work Commenced: 7/18/2000				
Date Well Work Completed: 8-17-00				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 2012'				
Fresh Water Depth (ft.): 1/2" @ 109', 1/4" @ 265', 1 1/2" @ 830'				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): 13-16, 90-94, 500-503, 684-685, 784-787,				



OPEN FLOW DATA

Producing formation Beckley Coal & Fire Creek Sand 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 NA 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.

Signed:

By: [Signature]  
Date: 9/11/00

WYO 1937 C

FORM WR-35R  
(REVERSE)

PERMIT #: 47-109-01937C  
WELL #: LC-58CR

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

Stage 1 – Fire Creek Sand – Perforated from 1852' to 1862' with 20 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 447 bbls water and 26000 lbs of 20/40 sand. ISIP: 1451 psi. ATP: 1802 psi. ATR: 20 BPM.

Stage 2 – Lower Beckley Coal – Perforated from 1771' to 1774' with 12 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 368 bbls water and 14600 lbs of 20/40 sand. ISIP: 1346 psi. ATP: 2648 psi. ATR: 20 BPM.

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, Shale, & Coal	0	787	
Sand & Shale	787	1010	
Sand	1010	1186	
Shale	1186	1370	
Sand	1370	1564	
Coal	1564	1565	
Shale	1565	1640	
Sand	1640	1746	
Shale	1746	1772	
Beckley Coal	1772	1775	
Sand & Shale	1775	1814	
Sand	1814	1884	
Sand & Shale	1884	2012	No shows reported