

FILE NO. _____

DRAWING NO. _____

SCALE 1"=1000'

MINIMUM DEGREE OF ACCURACY 1/10000

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. Bowman
R.P.E. _____ L.L.S. 736



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

FORM IV-6 (8-78)

Division of Environmental Protection
Office of Oil & Gas

DATE JANUARY 25, 2000
 OPERATOR'S WELL NO. LC-63C-120
 API WELL NO. 47-409-01877C
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 3313.47' 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 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 ___

TARGET FORMATION Beckley, Fire Creek, Poca 4, 5, 6 ESTIMATED DEPTH 3000'

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

WVD 1877 C

6-6 248

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-63C-120

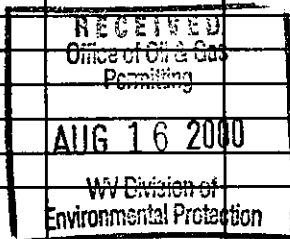
LOCATION: Elevation: 3313.47 Quadrangle: Pilot Knob, WV 75.

District: Oceana County: Wyoming
Latitude: 9650 Feet South of 37 Deg. 47 Min. 30 Sec.
Longitude 10650 Feet West of 81 Deg. 30 Min. 00 Sec.

Company:

Penn Virginia Oil & Gas Corporation

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>P.O. Box 387</u>	<u>13 3/8"</u>	<u>33'</u>	<u>33'</u>	<u>0</u>
<u>Duffield, VA 24244</u>	<u>7"</u>	<u>1239'</u>	<u>1239'</u>	<u>722</u>
Agent: <u>Harry Jewell</u>	<u>4 1/2"</u>	<u>2902'</u>	<u>2902'</u>	<u>403</u>
Inspector: <u>Ofie Helmick</u>				
Date Permit Issued: <u>3/08/2000</u>				
Date Well Work Commenced: <u>3/27/2000</u>				
Date Well Work Completed: <u>6/03/2000</u>				
Verbal Plugging:				
Date Permission granted on:				
<u>Rotary X Cable Rig</u>				
Total Depth (feet): <u>3030'</u>				
Fresh Water Depth (ft.): <u>1/4" at 2485'</u>				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>587-589, 620-621, 673-675, 873-874, 995-999, 1270-1274</u>				



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 _____ 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 CHANGE, ETC. 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: 8/8/00

AUG 25 2000

WV 0 1877

FORM WR-35R
(REVERSE)

PERMIT #: 47-109-01877C
WELL #: LC-63C-120

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

Stage 1 – Beckley – Perforated from 2785’ to 2790’ with 20 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 395 bbls water and 12700 lbs of 20/40 sand.
ISIP: 2400 psi. ATP: 3056 psi. ATR: 20 BPM.

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, Shale, & Coal	0	1274	
Sand & Shale	1274	1470	
Coal	1470	1472	
Sand, Shale, & Coal	1472	1790	
Shale	1790	1850	
Sand	1850	2170	
Sand & Shale	2170	2332	
Sand	2332	2571	
Coal	2571	2572	
Shale	2572	2622	
Sand	2622	2730	
Shale	2730	2785	
Beckley Coal	2785	2792	
Shale	2792	2800	
Sand	2800	2838	
Fire Creek Coal	2838	2841	
Sand	2841	2918	
Sand & Shale	2918	3030	No Shows Reported