

REFERENCES NO SCALE

FILE NO. \_\_\_\_\_

DRAWING NO. \_\_\_\_\_

SCALE 1"=500'

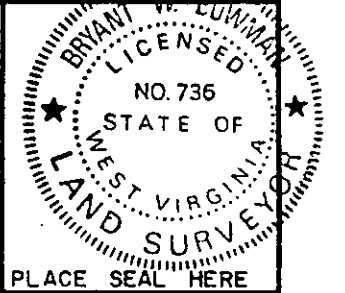
MINIMUM DEGREE OF ACCURACY 1/5000

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 W. Cuffman

R.P.E. \_\_\_\_\_ L.L.S. 736



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

FORM IV-6 WEST VIRGINIA (8-78) DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WEST VIRGINIA 25143-2506

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

LOCATION: ELEVATION 175168 WATER SHED TONEY FORK DISTRICT OCEANA COUNTY WYOMING QUADRANGLE PILOT KNOB, WV 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 23058±  
OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACREAGE 34585±  
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 Beckley, Fire Creek, Poca 6, 4 ESTIMATED DEPTH 1600' 6-6 248

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 1758C

WR-35

02-Sep-98  
API # 47-109-01758 C

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

Reviewed [Signature]

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP Operator Well No.: LC 42C

LOCATION: Elevation: 1,751.68 Quadrangle: PILOT KNOB

District: OCEANA County: WYOMING  
Latitude: 14520 Feet South of 37 Deg. 47Min. 30 Sec.  
Longitude 6450 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: 09/02/98  
Well work Commenced: 11/13/98  
Well work Completed: 12/08/98  
Verbal Plugging  
Permission granted on:  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 1480'  
Fresh water depths (ft) 410'

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

Is coal being mined in area (Y/N) N  
Coal Depths (ft): 92-95, 170-175,  
200-205, 298-292

OPEN FLOW DATA

Poca 4 Coal, Beckley Coal  
Poca 5 Sand, Poca 6 Coal,  
Lower Fire Creek Coal, &

Producing formation U Fire Creek Coal & Sand 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 N/A 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.

MAY 23 1999

WVDM [Signature]

For: PENN VIRGINIA OIL AND GAS CORPORATION

By: William M. Ryan  
Date: 5/21/99

JUN 14 1999

WYO 1758C

FORM WR-35R  
(REVERSE)

PERMIT #: 47-109-01758C  
WELL#: 42C

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC

Stage 1 Poca 5 Sand Perforated the Poca 5 Sand from 1330' to 1336' with 13 holes and the Poca 4  
Poca 4 Coal Coal from 1416' to 1419' with 9 holes. Breakdown with 500 gallons of 7½% HCL  
acid and water. Treated with 310 bbls of water and 10,000 lbs 20/40 sand.  
ATR: 18 BPM ATP: 2500 psi ISIP: 2000 psi

Stage 2 Upper Fire Creek Perforated the Upper Fire Creek Coal from 1208' to 1210' with 6 holes, the  
Coal/Sand. Fire Creek Sand from 1220' to 1225' with 6 holes and 1237' to 1241' with 5 holes,  
Lower Fire Creek Coal the Lower Fire Creek Coal from 1250' to 1252' with 6 holes and the Poca 6 Coal  
Poca 6 Coa. from 1275' to 1278' with 6 holes. Breakdown with 500 gallons of 7½% HCL acid  
and water. Treated with 219 bbls of water and 1100 lbs 20/40 sand.  
ATR: 16.7 BPM ATP: 2650 psi ISIP: 1800 psi

Stage 3 Lower Beckley Coal Perforated from 1164' to 1169' with 20 holes. Breakdown with 500 gallons of  
7½% HCL acid and water. Treated with 473 bbls of water and 21,000 lbs of 20/40  
sand. ATR: 14.5 BPM ATP: 2750 psi ISIP: 2400 psi

Install pump jack and pump water.

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, shale & Coal	0	395	
Sand	395	600	
Sand & Shale	600	750	
Sand	750	830	
Shale	830	882	
Sand	882	970	
Coal Sewell (S43)	970	971	
Shale	971	980	
Sand & Shale	980	1060	
Sand	1060	1165	
Coal L. Beckley Coal (S49)	1165	1170	
Sand & Shale	1170	1208	
Coal Fire Creek (S50)	1208	1210	
Sand	1210	1251	
Coal L. Fire Creek (S51)	1251	1252	
Sand & Shale	1252	1276	
Coal Poca 6 (S56)	1276	1277	
Sand & Shale	1277	1305	
Sand	1305	1366	
Shale	1366	1374	
Sand	1374	1415	
Coal Poca 4 (S58)	1415	1419	
Sand & Shale	1419	1482	No Shows Reported.