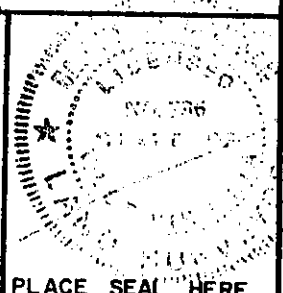


A.  $S61^{\circ}23'37''E$  1533.177'  
 B.  $S49^{\circ}40'11''E$  845.990'  
 C.  $N57^{\circ}13'49''W$  2367.766'

REFERENCES NO SCALE

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1:2000'  
 MINIMUM DEGREE OF ACCURACY 1:5000  
 PROVEN SOURCE OF ELEVATION USGS BM Q180  
ELEVATION 1407.84'

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) Seymour S. Bowman  
 R.P.E. \_\_\_\_\_ L.L.S. 736



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



DATE MARCH 29, 2001 20  
 OPERATOR'S WELL NO. WP-74C  
 API WELL NO. \_\_\_\_\_  
47 - 109 - 02028C  
 STATE COUNTY PERMIT

Division of Environmental Protection  
 Office of Oil & Gas

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_)  
 LOCATION: ELEVATION 1667 WATER SHED LAUREL FORK  
 DISTRICT SLAB FORK COUNTY WYOMING  
 QUADRANGLE MATHENY, WV 7.5'  
 SURFACE OWNER GEORGIA PACIFIC CORPORATION ACREAGE 416±  
 OIL & GAS ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION LEASE ACREAGE 30582±  
 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 Pools 5-4 Coals ESTIMATED DEPTH 1300  
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORP DESIGNATED AGENT MR. HARRY JEWEL  
 ADDRESS PO BOX 387 ADDRESS PO BOX 460  
DUFFIELD, VA 24244-0387 RAVENCLIFF, WV 25913

MAY 18 2001

WYO 2028C

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

*ALB*

Well Operator's Report of Well Work

Farm name: Georgia Pacific Corporation Operator Well No.: WP-74C

LOCATION: Elevation: 1667 Quadrangle: Matheny, WV 7.5'

District: Slab Fork County: Wyoming  
Latitude: 7400 Feet South of 37 Deg. 42 Min. 30 Sec.  
Longitude 11600 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: P.O. Box 387	9 5/8"	40'	40'	0
Duffield, VA 24244	7"	554'	554'	115
Agent: Harry Jewell	4 1/2"	1240'	1240'	182
Inspector: Ofie Helmick				
Date Permit Issued: 5/15/01				
Date Well Work Commenced: 6/8/01				
Date Well Work Completed: 7/30/01				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 1280'				
Fresh Water Depth (ft.): 1/2 @ 445'				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 18'-19', 245'-248', 448'-449'				

OPEN FLOW DATA

Producing formation Pocahontas 6 & 5 Coals Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow Not taken 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: 10/12/01

OCT 26 2001

WYO 2028 C

FORM WR-35R  
(REVERSE)

PERMIT #: 47-109-02028C  
WELL #: WP-74C

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

Stage 1 – Poca 5 Coal- Perforated from 1005' to 1014' with 36 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 204 bbls water and 5300 lbs 20/40 sand. ISIP: 1282 psi. ATP: 2233 psi. ATR: 19 BPM.

Stage 2 –Poca 6 Coal- Perforated from 953' to 958' with 20 holes. Breakdown with 250 gallons 15% HCL acid and water. Treated with 313 bbls water and 11900 lbs 20/40 sand. ISIP: 2953 psi. ATP: 3369 psi. ATR: 13 BPM.

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, shale & coal	0	449	
Sand & shale	449	604	
Sand	604	707	
Sand & shale	707	854	
Fire creek coal	854	857	
Shale	857	887	
Sand	887	940	
Shale	940	953	
Pocahontas #6 coal	953	958	
Sand	958	1005	
Coal & shale (Poco #5)	1005	1014	
Sand & shale	1014	1040	
Sand	1040	1060	
Sand & shale	1060	1280	