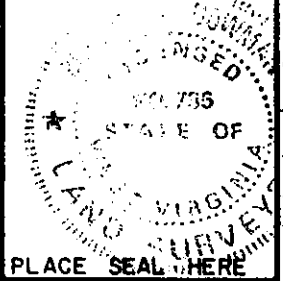


FILE NO. _____
 DRAWING NO. _____
 SCALE 1:2000'
 MINIMUM DEGREE OF ACCURACY 1:5000
 PROVEN SOURCE OF ELEVATION USGS BM Q180
 ELEVATION 1407.84'

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) [Signature]
 R.P.E. _____ L.L.S. 736



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



DATE MARCH 21 2001
 OPERATOR'S WELL NO. WP-73C
 API WELL NO. 47-109-02027C
 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 1635 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 ___ 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 Fine Creek 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 24244-0307 RAVENCLIFF, WV 25913

WV D 2027 C

6-6-248
 MAY 18 2001

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

Handwritten initials

Well Operator's Report of Well Work

Farm name: Georgia Pacific Corporation Operator Well No.: WP-73C

LOCATION: Elevation: 1635 Quadrangle: Matheny, WV 7.5'

District: Slab Fork County: Wyoming
Latitude: 6550 Feet South of 37 Deg. 42 Min. 30 Sec.
Longitude 10150 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"	517'	517'	109
Agent: Harry Jewell	4 1/2"	1123'	1123'	174
Inspector: Ofie Helmick				
Date Permit Issued: 5/15/01				
Date Well Work Commenced: 5/16/01				
Date Well Work Completed: 7/27/01				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 1255'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 322'-325', 455'-459'				

RECEIVED
 Office of Oil & Gas
 Permitting

NOV 19 2001

 WV Department of
 Environmental Protection

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 320 psig (surface pressure) after 48 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

NOV 30 2001

WYO 2027C

FORM WR-35R
(REVERSE)

PERMIT #: 47-109-02027C
WELL #: WP-73C

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

Stage 1 – Poca 5 Coal- Perforated from 940' to 948' with 32 holes. Breakdown with 250 gallons 7.5% HCl acid and water. Treated with 218 bbls water and 5000 lbs 20/40 sand. ISIP: 1284 psi. ATP: 2322 psi. ATR: 17 BPM.

Stage 2 – Poca 6 Coal- Perforated from 893' to 897' with 16 holes. Breakdown with 250 gallons 15% HCL acid and water. Treated with 300 bbls water and 9400 lbs 20/40 sand.

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, shale & coal	0	459	
Sand	459	585	
Shale	585	618	
Sand	618	657	
Sand & shale	657	768	
Shale & coal (Fire Creek Coal)	768	784	
Sand & shale	784	810	
Sand	810	874	
Shale	874	892	
Poca 6 coal	892	898	
Sand	898	940	
Shale & coal (Poca #5 Coal)	940	948	
Sand	948	996	
Shale & coal	996	998	
Sand & shale	998	1255	