



State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

*Act*

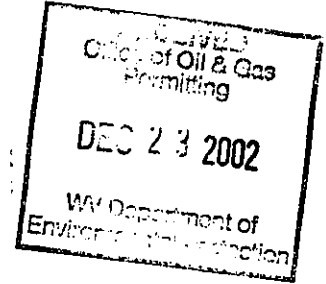
Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands, L.P. OPERATOR WELL NO.: PC #47

LOCATION:

Elevation: 1,963.62' Quadrangle: Bradshaw

District: Sandy River County: McDowell  
Latitude: 846 Feet South of 37 Deg. 20 Min. 00 Sec.  
Longitude: 1,920 Feet West of 81 Deg. 47 Min. 30 Sec.



Company: <u>GeoMet Operating Company</u>	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: <u>5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244</u>	<u>13-3/8"</u>	<u>17'</u>	<u>17'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>10-3/4"</u>	<u>325'</u>	<u>325'</u>	<u>78/Pumped 84</u>
Date Permit Issued: <u>July 5, 2002</u>				
Date Well Work Commenced: <u>August 16,, 2002</u>	<u>5-1/2"</u>	<u>1830'</u>	<u>1830'</u>	<u>317/ Pumped 592</u>
Date Well Work Completed: <u>October 15, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1895'</u>				
Fresh Water Depth (feet): <u>Unknown</u>				
Salt Water Depth (feet): <u>Unknown</u>				
Is coal being mined in area (N/Y)? <u>No</u>				

Coal Depths (feet): 525/590/648/719/747/776/820/938/1070/1274/1294/1534

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial Open Flow N/A MCF/d Oil: Initial Open Flow \_\_\_\_\_ Bbl/d  
 Final Open Flow N/A MCF/d Final Open Flow \_\_\_\_\_ Bbl/d  
 Time of Open Flow between initial and final tests N/A Hours  
 Static Rock Pressure 180 psig (surface pressure) after 96 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:

*Karen Rye*

BY:

DATE:

12-19-2002

JAN 17 2003

*Mc Dow 1612*

API #: 47-01673C

Operator Well #: PC #047

Farm Name: Plum Creek Timberlands, L.P.

1.) Details of perforated intervals, fracturing or stimulating, physical change, etc.

1<sup>st</sup> Stage:

Perf P3, 1528' – 1536' & frac on 10/15/02 by Superior with 70Q Foam 27,500# 16/30 Sand, 313,000 SCF N2, 214 Total Bbls Fluid. Breakdown Pressure 2550 PSIG, Average Pressure 2867 PSI, 1392 ISIP

2<sup>nd</sup> Stage:

Perf P6-5, 1327' – 1331'/Perf P8, 1305' – 1307'/Perf P9, 1293' – 1297'/Perf P9-4, 1274' – 1278' & frac on 10/15/02 by Superior with 70Q Foam 42,000# 16/30 Sand, 315,000 SCF N2, 238 Total Bbls Fluid. Breakdown Pressure 3274 PSIG, Average Pressure 1890 PSI, 1009 ISIP

3<sup>rd</sup> Stage:

Perf P10, 1069' – 1073' & frac on 10/15/02 by Superior with 70Q Foam 32,000# 16/30 Sand, 388,000 SCF N2, 238 Total Bbls Fluid. Breakdown Pressure 2690 PSIG, Average Pressure 2325 PSI, 1455 ISIP

**DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.**

**COMPANY: GEOMET OPERATING CO.      HOLE NO.: GPPC-047**

**LOCATION: BUG HURLEY HOLLOW      DRILL: RIG #23**

**DATE STARTED: 08-15-2002      DATE COMPLETED: 08-20-2002**

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	17.50	17.50	OVERBURDEN	17.5' W/ 13 3/8" CASING
17.50	60.00	42.50	SANDSTONE	
60.00	90.00	30.00	SAND / SANDY SHALE / SAND	
90.00	100.00	10.00	SANDSTONE	
100.00	115.00	15.00	SANDSTONE	
115.00	145.00	30.00	SAND / COAL 130'-132' / SAND	
145.00	175.00	30.00	SAND / SANDY SHALE / COAL 160'-162' / SAND	
175.00	205.00	30.00	SANDY SHALE / SAND	
205.00	235.00	30.00	SAND / SANDY SHALE / COAL 225'	
235.00	265.00	30.00	SAND / SANDY SHALE	
265.00	295.00	30.00	SANDSTONE	
295.00	325.00	30.00	SANDY SHALE / SAND	
325.00	340.00	15.00	SAND 326' W/ 10 3/4" CASING	
340.00	424.00	84.00	SANDSTONE	
424.00	454.00	30.00	SAND / SANDY SHALE	
454.00	484.00	30.00	SANDY SHALE / SAND	
484.00	514.00	30.00	SAND / SANDY SHALE	
514.00	544.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE	
544.00	574.00	30.00	SANDY SHALE / SAND	
574.00	604.00	30.00	SAND / COAL STR / SANDY SHALE	
604.00	634.00	30.00	SANDSTONE	
634.00	664.00	30.00	SAND / COAL STR / SANDY SHALE	
664.00	694.00	30.00	SAND / SANDY SHALE / SAND	
694.00	724.00	30.00	SAND / SANDY SHALE / COAL 714'-716' / SAND	
724.00	754.00	30.00	SANDY SHALE / COAL 740'-742' / SAND	
754.00	784.00	30.00	SANDY SHALE / COAL 772'-773.5'	
784.00	814.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
814.00	844.00	30.00	COAL 816'-818' / SANDY SHALE / SAND	
844.00	874.00	30.00	SAND / SANDY SHALE STR	
874.00	904.00	30.00	SANDY SHALE STR / SAND	
904.00	934.00	30.00	SAND / SANDY SHALE	
934.00	964.00	30.00	COAL 940-945' / SANDY SHALE / SAND	
964.00	994.00	30.00	SANDSTONE	
994.00	1010.00	16.00	SAND / SANDY SHALE	
1010.00	1025.00	15.00	SANDY SHALE / COAL STR 1015'-1016'	
1025.00	1055.00	30.00	SANDY SHALE / SAND / SANDY SHALE / POSS COAL STR	
1055.00	1085.00	30.00	SANDY SHALE / COAL 1070'-1074' / SAND / SANDY SHALE	
1085.00	1115.00	30.00	SANDY SHALE / SAND	
1115.00	1145.00	30.00	SANDY SHALE	
1145.00	1175.00	30.00	SANDY SHALE / SAND	

08/17/02

McDow 1673 C

FROM	TO	FT.	DESCRIPTION
1175.00	1205.00	30.00	SANDSTONE
1205.00	1235.00	30.00	SAND / SANDY SHALE
1235.00	1265.00	30.00	SANDY SHALE
1265.00	1295.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE
1295.00	1325.00	30.00	COAL STR / SANDY SHALE / SAND
1325.00	1355.00	30.00	SAND / COAL STR / SANDY SHALE
1355.00	1385.00	30.00	SANDY SHALE / SAND
1385.00	1415.00	30.00	SAND / SANDY SHALE / SAND
1415.00	1445.00	30.00	SANDSTONE
1445.00	1475.00	30.00	SAND / SANDY SHALE / COAL STR
1475.00	1505.00	30.00	SANDY SHALE / SAND
1505.00	1535.00	30.00	SANDSTONE
1535.00	1565.00	30.00	SAND / SANDY SHALE
1565.00	1595.00	30.00	SANDY SHALE / SAND
1595.00	1625.00	30.00	SAND / SANDY SHALE
1625.00	1655.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1655.00	1685.00	30.00	SANDY SHALE / SAND STR
1685.00	1715.00	30.00	SANDY SHALE
1715.00	1745.00	30.00	SANDY SHALE / SAND
1745.00	1775.00	30.00	SAND / SANDY SHALE
1775.00	1805.00	30.00	SANDY SHALE / SAND
1805.00	1835.00	30.00	SANDY SHALE
1835.00	1865.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1865.00	1895.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE

1895.00 FT. TOTAL DEPTH  
 17.50 FT. OF 13 3/8" CASING  
 326.00 FT. OF 10 1/4" CASING