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

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands, L.P. OPERATOR WELL NO.: PC #57

LOCATION:

Elevation: 1,866.01' Quadrangle: Bradshaw

District: Sandy River County: McDowell  
Latitude: 3,814 Feet South of 37 Deg. 22 Min. 30 Sec.  
Longitude: 12,716' 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: 5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244	13-3/8"	20.2'	20.2'	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	10-3/4"	338'	338'	81/Pumped 90
Date Permit Issued: <u>October 2, 2002</u>				
Date Well Work Commenced: <u>October 29, 2002</u>	8-5/8"	933'	933'	385/Pumped 336
Date Well Work Completed: <u>March 23, 2003</u>				
Verbal Plugging:	5-1/2	1840'	1840'	318/Pumped 425
Date Permission granted on:				
Rotary XXXX Cable Rig				
Total Depth (feet): <u>1873'</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): 958/1005/1006/1008/1057/1058/1070/1093/1162/1240/1334/1392/1425/1478/1525/1590/1591/1833/1834

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 175 psig (surface pressure) after 96 Hours

Office of Oil and Gas  
Permitting  
JUL 01 2003  
WV Department of Environmental Protection

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 M Rye  
BY: \_\_\_\_\_  
DATE: 6-27-2003

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API #: 47-4701713c

Operator Well #: PC #057

Firm Name: Plum Creek Timberlands, L.P.

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

1<sup>st</sup> Stage:

Perf P2, 1589' – 1592' & frac on 03/23/03 by Superior with 70Q Foam 6,200# 16/30 Sand, 250,000 SCF N2, 200 Total Bbls Fluid. Breakdown Pressure 3936 PSIG, Average Pressure 3740 PSI, 1455 ISIP

2<sup>nd</sup> Stage:

Perf P3, 1473' – 1479' & frac on 03/23/03 by Superior with 70Q Foam # 16/30 Sand, 36,000 SCF N2, 100 Total Bbls Fluid. Breakdown Pressure 2168 PSIG, Average Pressure 3900 PSI, 3307 ISIP

3<sup>rd</sup> Stage:

Perf P4-4, 1389' – 1392' & frac on 03/23/03 by Superior with 70Q Foam 25,000# 16/30 Sand, 448,000 SCF N2, 262 Total Bbls Fluid. Breakdown Pressure 3942 PSIG, Average Pressure 3465 PSI, 1468 ISIP

4<sup>th</sup> Stage:

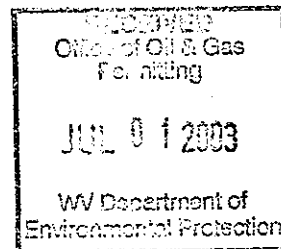
Perf P9, 1238' – 1241' & frac on 03/23/03 by Superior with 70Q Foam 17,000# 16/30 Sand, 238,000 SCF N2, 233 Total Bbls Fluid. Breakdown Pressure 2968 PSIG, Average Pressure 2960 PSI, 1450 ISIP

5<sup>th</sup> Stage:

Perf P9-8, 1057' – 1059' & frac on 03/23/03 by Superior with 70Q Foam 38,000# 16/30 Sand, 287,000 SCF N2, 219 Total Bbls Fluid. Breakdown Pressure 2265 PSIG, Average Pressure 2340 PSI, 777 ISIP

6<sup>th</sup> Stage:

Perf 10, 1006' – 1009' & frac on 03/23/2003 by Superior with 70Q Foam 22,000# 16/30 Sand, 160,000 SCF N2, 155 Total Bbls Fluid. Breakdown Pressure 2562 PSIG, Average Pressure 2165 PSI, 1115 ISIP



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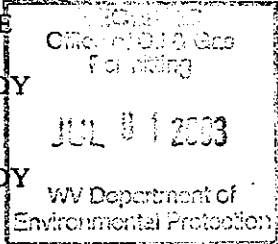
**DRILL DATA HOLE – NOAH HORN WELL DRILLING, INC.**

**COMPANY: GEOMET OPERATING CO.      HOLE NO.: GPPC-057**

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

**DATE STARTED: 10-29-2002      DATE COMPLETED: 11-06-2002**

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	20.00	20.00	COAL / SANDSTONE	
20.00	30.00	10.00	SANDSTONE	20.2' W/ 13 3/8" CASING
30.00	60.00	30.00	SANDSTONE	
60.00	90.00	30.00	SAND / COAL STR / SAND	
90.00	120.00	30.00	SAND / SANDY SHALE	
120.00	150.00	30.00	SANDY SHALE / SAND	
150.00	210.00	60.00	SANDSTONE	
210.00	240.00	30.00	SAND / SANDY SHALE / SAND	
240.00	270.00	30.00	SAND / COAL STR / SAND	
270.00	300.00	30.00	SANDY SHALE / COALS TR / SAND	
300.00	330.00	30.00	SAND / SANDY SHALE	
330.00	360.00	30.00	SANDY SHALE / SAND	338.1' W/ 10 3/4" CASING
360.00	390.00	30.00	SANDSTONE	
390.00	420.00	30.00	SAND / SANDY SHALE / SAND	
420.00	450.00	30.00	SAND / COAL STR	
450.00	480.00	30.00	SANDY SHALE / SAND	
480.00	510.00	30.00	SAND / <del>COAL 490'-492'</del> SANDY SHALE	
510.00	540.00	30.00	SAND / SANDY SHALE	
540.00	570.00	30.00	SANDY SHALE / COAL STR 560' SANDY SHALE	
570.00	600.00	30.00	SAND / SANDY SHALE	
600.00	630.00	30.00	SANDY SHALE / COAL STR 615' SANDY SHALE	
630.00	660.00	30.00	SANDY SHALE / SAND	
660.00	690.00	30.00	SAND / SANDY SHALE / <del>COAL 680'-682'</del> SANDY SHALE	
690.00	720.00	30.00	SANDY SHALE / SAND / <del>COAL 700'-701'</del> SANDY SHALE	
720.00	750.00	30.00	SANDY SHALE / SAND	
750.00	780.00	30.00	SAND / <del>COAL 760'-762'</del> SANDY SHALE / SAND	
780.00	810.00	30.00	SAND / SHALE STR / SAND	
810.00	840.00	30.00	SANDY SHALE / SAND / STR / SANDY SHALE	
840.00	870.00	30.00	SAND / SANDY SHALE STR	
870.00	900.00	30.00	SAND / POSS. VOID / SAND	
900.00	930.00	30.00	COAL / SANDY SHALE / SAND	
930.00	960.00	30.00	SANDSTONE	950' W/ 8 5/8" CASING
960.00	990.00	30.00	SAND / SANDY SHALE / SAND	
990.00	1020.00	30.00	SANDY SHALE / <del>COAL 1000'-1005'</del> SANDY SHALE / SAND	
1020.00	1050.00	30.00		
1050.00	1080.00	30.00	SAND / COAL STR / SANDY SHALE	



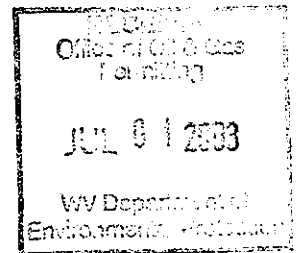
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 GEOMET OPERATING CO  
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FROM	TO	FT.	DESCRIPTION
1080.00	1110.00	30.00	SANDSTONE
1110.00	1140.00	30.00	SAND / SANDY SHALE
1140.00	1170.00	30.00	SANDY SHALE / SAND
1170.00	1200.00	30.00	SANDSTONE
1200.00	1230.00	30.00	SAND / COAL STR
1230.00	1260.00	30.00	SANDY SHALE / SAND
1260.00	1290.00	30.00	SAND / COAL STR / SANDY SHALE
1290.00	1320.00	30.00	SANDSTONE
1320.00	1350.00	30.00	SAND / SANDY SHALE
1350.00	1380.00	30.00	SANDY SHALE
1380.00	1410.00	30.00	SANDY SHALE / SAND
1410.00	1440.00	30.00	SAND / COAL STR / SANDY SHALE
1440.00	1470.00	30.00	SANDSTONE
1470.00	1500.00	30.00	SAND / SANDY SHALE / SAND
1500.00	1530.00	30.00	SANDSTONE
1530.00	1560.00	30.00	SAND / SANDY SHALE / SAND
1560.00	1590.00	30.00	SANDSTONE
1590.00	1620.00	30.00	SANDY SHALE / SANDSTONE
1620.00	1650.00	30.00	SANDSTONE / SANDY SHALE
1650.00	1680.00	30.00	SANDSTONE / SANDY SHALE
1680.00	1710.00	30.00	SANDSTONE
1710.00	1740.00	30.00	SAND / SANDY SHALE / SAND
1740.00	1770.00	30.00	SAND / RED SHALE / SANDY SHALE / SAND
1770.00	1800.00	30.00	SAND / SANDY SHALE / SHALE STR
1800.00	1830.00	30.00	SANDY SHALE / SAND / RED SHALE
1830.00	1865.00	35.00	SHALE / SANDY SHALE / SHALE TD 8" HOLE 1840.33' W/ 5 1/2" CASING

1865.00 FT. TOTAL DEPTH  
 20.20 FT. OF 13 3/8" CASING  
 338.10 FT. OF 10 3/4" CASING  
 950.00 FT. OF 8 5/8" CASING  
 1840.33 FT. OF 5 1/2" CASING



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