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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 #54

LOCATION:

Elevation: 2,289.55' Quadrangle: Bradshaw

District: Big Creek County: McDowell
Latitude: 10.476 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 1.147 Feet West of 81 Deg. 45 Min. 00 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>31'</u>	<u>31'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>10-3/4"</u>	<u>323'</u>	<u>323'</u>	<u>77/Pumped 204</u>
Date Permit Issued: <u>May 31, 2002</u>				
Date Well Work Commenced: <u>July 15, 2002</u>	<u>8-5/8"</u>	<u>1289'</u>	<u>1289'</u>	<u>532/Pumped 96</u>
Date Well Work Completed: <u>October 24, 2002</u>				
Verbal Plugging:	<u>5-1/2"</u>	<u>2169'</u>	<u>2169'</u>	<u>376/Pumped 423</u>
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2180'</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):

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 195 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:

BY:

DATE:

Karen Pyle
February 20, 2003

MAR 28 2003

MCDOWELL 1664C

API #: 47-01664C

Operator Well #: PC #054

Farm Name: Plum Creek Timberlands, L.P.

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

1st Stage:

Perf P1, 1938' – 1950' & frac on 10/24/02 by Superior with 70Q Foam 25,000# 16/30 Sand, 298,000 SCF N₂, 167 Total Bbls Fluid. Breakdown Pressure 3521 PSIG, Average Pressure 2838 PSI, 1760 ISIP

2nd Stage:

Perf P3, 1818' – 1822' & frac on 10/24/02 by Superior with 70Q Foam 26,500# 16/30 Sand, 295,000 SCF N₂, 167 Total Bbls Fluid. Breakdown Pressure 4000 PSIG, Average Pressure 2654 PSI, 1561 ISIP

3rd Stage:

Perf P9, 1596' – 1600' & frac on 10/24/02 by Superior with 70Q Foam 29,000# 16/30 Sand, 330,000 SCF N₂, 238 Total Bbls Fluid. Breakdown Pressure 4000 PSIG, Average Pressure 3194 PSI, 2150 ISIP

4th Stage:

Perf P9-4, 1508' – 1568' & frac on 10/24/02 by Superior with 70Q Foam 26,000# 16/30 Sand, 332,000 SCF N₂, 333 Total Bbls Fluid. Breakdown Pressure 4200 PSIG, Average Pressure 3054 PSI, 1800 ISIP

5th Stage:

Perf P10, 1360' – 1364' & frac on 10/24/02 by Superior with 70Q Foam 21,500# 16/30 Sand, 330,000 SCF N₂, 226 Total Bbls Fluid. Breakdown Pressure 2782 PSIG, Average Pressure 2544 PSI, 1250 ISIP

DRILL DATA HOLE – NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO.

HOLE NO.: GPPC-054

LOCATION: BUG HURLEY HOLLOW

DRILL: RIG # 45

DATE STARTED: 07-15-2002

DATE COMPLETED: 07-19-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	5.00	5.00	OVERBURDEN	
5.00	25.00	20.00	SOFT SAND	
25.00	31.00	6.00	SHALE	30.85' W/ 13 3/8" CASING
31.00	61.00	30.00	SAND	
61.00	92.00	31.00	SANDY SHALE	
92.00	123.00	31.00	SANDY SHALE / COAL	
123.00	184.00	61.00	SAND	
184.00	214.00	30.00	SANDY SHALE / COAL	
214.00	274.00	60.00	SANDY SHALE	
274.00	304.00	30.00	SAND	
304.00	334.00	30.00	SANDY SHALE 323' W/ 10 3/4" CASING	
334.00	395.00	61.00	SANDSTONE	
395.00	425.00	30.00	SAND / SANDY SHALE / COAL 420'-422'	
425.00	455.00	30.00	SANDY SHALE / SAND	
455.00	485.00	30.00	SANDY SHALE / COAL STR 475'/ SAND	
485.00	545.00	60.00	SAND / SANDY SHALE	
545.00	575.00	30.00	SANDY SHALE / SAND STR	
575.00	605.00	30.00	SAND / SANDY SHALE	
605.00	635.00	30.00	SANDY SHALE / SAND	
635.00	695.00	60.00	SAND	
695.00	725.00	30.00	SANDY SHALE	
725.00	755.00	30.00	SANDY SHALE / SAND	
755.00	785.00	30.00	SAND / SANDY SHALE	
785.00	815.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
815.00	845.00	30.00	COAL 820'-822'/ SANDY SHALE	
845.00	875.00	30.00	SAND / SANDY SHALE	
875.00	905.00	30.00	SHALE / COAL 885'-888'/ SANDY SHALE	
905.00	935.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
935.00	965.00	30.00	COAL 936'-938'/ SANDY SHALE / SAND	
965.00	995.00	30.00	SAND / SANDY SHALE	
995.00	1025.00	30.00	SANDY SHALE / COAL 1010'-1013'/ SAND	
1025.00	1055.00	30.00	SANDSTONE	
1055.00	1085.00	30.00	SANDY SHALE / COAL 1065'-1068'/ SAND	
1085.00	1115.00	30.00	SANDY SHALE / COAL 1110'-1112'/ SAND	
1115.00	1145.00	30.00	SAND / SANDY SHALE / SHALE OR COAL	
				1130'/ SAND STR
1145.00	1175.00	30.00	SANDY SHALE / SAND STR	
1175.00	1205.00	30.00	SANDY SHALE / SAND	
1205.00	1230.00	25.00	SAND / SANDY SHALE	
1230.00	1234.00	4.00		VOID
1234.00	1235.00	1.00	SAND	
1235.00	1265.00	30.00	SAND / SANDY SHALE	

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 GEOMET OPERATING CO.
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FROM	TO	FT.	DESCRIPTION
1265.00	1295.00	30.00	SANDY SHALE / SAND 1288' W/ 8 5/8" CASING
1295.00	1310.00	15.00	
1310.00	1320.00	10.00	SAND / SANDY SHALE
1320.00	1350.00	30.00	SANDY SHALE / SAND STR
1350.00	1380.00	30.00	COAL 1353'-1356'/ SANDY SHALE / SAND
1380.00	1410.00	30.00	SAND / SANDY SHALE / SAND
1410.00	1440.00	30.00	SAND / SANDY SHALE
1440.00	1470.00	30.00	COAL 1440'-1442'/ SANDY SHALE
1470.00	1500.00	30.00	SANDY SHALE / SAND
1500.00	1530.00	30.00	SANDY SHALE / COAL 1510'-1513'/ SAND
1530.00	1560.00	30.00	SANDY SHALE / SAND
1560.00	1590.00	30.00	COAL 1565'-1567'/ SAND
1590.00	1620.00	30.00	COAL 1590'-1594'/ SANDY SHALE
1620.00	1650.00	30.00	SAND / SANDY SHALE
1650.00	1680.00	30.00	SANDY SHALE / COAL 1665'-1667'/ SAND
1680.00	1720.00	40.00	SAND / SANDY SHALE
1720.00	1780.00	60.00	SANDY SHALE / SAND
1780.00	1810.00	30.00	SAND
1810.00	1840.00	30.00	SANDY SHALE / COAL
1840.00	1930.00	90.00	SANDY SHALE
1930.00	1960.00	30.00	SANDY SHALE / COAL
1960.00	1990.00	30.00	SANDY SHALE
1990.00	2010.00	20.00	SAND
2010.00	2130.00	120.00	SANDY SHALE
2130.00	2160.00	30.00	SANDY SHALE / RED SHALE
2160.00	2190.00	30.00	SANDY SHALE

2190.00 FT. TOTAL DEPTH
 30.85 FT. OF 13 3/8" CASING
 323.00 FT. OF 10 3/4" CASING
 1288.00 FT. OF 8 5/8" CASING