

ACD

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 #014

LOCATION:

Elevation: 2563.39 Quadrangle: Bradshaw

District: Sandy River County: McDowell
Latitude: 7,552 Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude: 2649 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>19.05'</u>	<u>19.05'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>10-3/4"</u>	<u>336'</u>	<u>336'</u>	<u>80/Pumped 120</u>
Date Permit Issued: <u>September 3, 2002</u>				
Date Well Work Commenced: <u>October 14, 2002</u>	<u>5-1/2"</u>	<u>2370.15'</u>	<u>2370.15'</u>	<u>411/Pumped 612</u>
Date Well Work Completed: <u>January 12, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2368'</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):360/366/367/411/413/435/436/516/587/589/615/616/660/662/821/821/823/968/1044/1174/1242/1285/1538/1540/1541/1586/1600/1618/1647/1695/1773/1781/1821/1846/1911/1914/1933/1988/1990/2030/2083/2166/2184

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 200 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: Karen Rye
DATE: February 20, 2003

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API #: 47-4701697

Operator Well #: PC #014

Farm Name: Plum Creek Timberlands, L.P.

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

1st Stage:

Perf P4, 1987' – 1991' & frac on 01/12/03 by Superior with 70Q Foam 26,100 16/30 Sand, 332,000 SCF N2, 357 Total Bbls Fluid. Breakdown Pressure 3811 PSIG, Average Pressure 3622 PSI, 1833 ISIP

2nd Stage:

Perf P4-5, 1910' – 1915' & frac on 01/12/03 by Superior with 70Q Foam 31,000 16/30 Sand, 277,000 SCF N2, 360 Total Bbls Fluid. Breakdown Pressure 3188 PSIG, Average Pressure 2612 PSI, 1803 ISIP

3rd Stage:

Perf P6, 1818' – 1821' & frac on 01/12/03 by Superior with 70Q Foam 26,400 16/30 Sand, 211,000 SCF N2, 298 Total Bbls Fluid. Breakdown Pressure 3089 PSIG, Average Pressure 2315 PSI, 1555 ISIP

4th Stage:

Perf P6-5, 1771' – 1774' & frac on 01/12/03 by Superior with 70Q Foam 26,400 16/30 Sand, 211,000 SCF N2, 298 Total Bbls Fluid. Breakdown Pressure 1803 PSIG, Average Pressure 2316 PSI, 1414 ISIP

5th Stage:

Perf P9-6, 1646' – 1649' & frac on 01/12/03 by Superior with 70Q Foam 20,000 16/30 Sand, 144,000 SCF N2, 190 Total Bbls Fluid. Breakdown Pressure 2636 PSIG, Average Pressure 3850 PSI, 3244 ISIP

6th Stage:

Perf P9-8, 1580' – 1583' & frac on 01/12/03 by Superior with 70Q Foam 35,000 16/30 Sand, 252,000 SCF N2, 333 Total Bbls Fluid. Breakdown Pressure 2686 PSIG, Average Pressure 2390 PSI, 1540 ISIP

7th Stage:

Perf P10, 1538' – 1541' & frac on 01/12/03 by Superior with 70Q Foam 35,600 16/30 Sand, 312,000 SCF N2, 357 Total Bbls Fluid. Breakdown Pressure 2598 PSIG, Average Pressure 3385 PSI, 2569 ISIP

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO. HOLE NO.: GPPC-014

LOCATION: PEA PATCH DRILL: RIG # 23

DATE STARTED: 10-14-2002 DATE COMPLETED: 10-17-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	1.00	1.00	OVERBURDEN	
1.00	19.00	18.00	HARD SANDSTONE	
19.00	30.00	11.00	SAND / SOFT SAND STR	
				19.05' W/ 13 3/8" CASING
30.00	60.00	30.00	SAND / SANDY SHALE	
60.00	90.00	30.00	SANDY SHALE / COAL 63'-65' / SANDY SHALE	/ SAND
90.00	120.00	30.00	SAND / SANDY SHALE	
120.00	150.00	30.00	SANDSTONE	
150.00	180.00	30.00	SAND / COAL STR / SAND	
180.00	240.00	60.00	SANDSTONE	
240.00	270.00	30.00	SAND / SANDY SHALE / SAND	
270.00	330.00	60.00	SANDSTONE	
330.00	350.00	20.00	SAND / SANDY SHALE / SAND	
				336' W/ 10 1/4" CASING
350.00	355.00	5.00		
355.00	385.00	30.00	SAND / COAL STR / SANDY SHALE	
385.00	415.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE	
415.00	445.00	30.00	SANDY SHALE / COAL STR / SAND	
445.00	475.00	30.00	SAND / SANDY SHALE / SAND	
475.00	505.00	30.00	SAND / COAL STR / SANDY SHALE	
505.00	510.00	5.00	SANDSTONE	
510.00	540.00	30.00	SANDY SHALE / SAND / COAL STR	
540.00	570.00	30.00	SANDY SHALE	
570.00	600.00	30.00	SANDY SHALE / COAL 580'-582', 585' / SAND	
600.00	630.00	30.00	SANDY SHALE / COAL 605'-607' / SAND	
630.00	660.00	30.00	SAND / SANDY SHALE / COAL 650'-653' / SANDY SHALE	
660.00	690.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE / SAND STR	
690.00	720.00	30.00	SAND / SANDY SHALE	
720.00	750.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
750.00	780.00	30.00	SANDY SHALE	
780.00	810.00	30.00	SANDY SHALE / SAND	
810.00	840.00	30.00	SANDY SHALE / COAL 820'-822' / SAND	
840.00	870.00	30.00	SAND	
870.00	900.00	30.00	SANDY SHALE / SAND	
900.00	930.00	30.00	SAND / SANDY SHALE	
930.00	960.00	30.00	SANDY SHALE / COAL 959'	
960.00	990.00	30.00	COAL 961' / SANDY SHALE	
990.00	1020.00	30.00	SAND	
1020.00	1050.00	30.00	SANDY SHALE / SAND	

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 GEOMET OPERATING CO
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FROM	TO	FT.	DESCRIPTION
1050.00	1080.00	30.00	SAND / SANDY SHALE
1080.00	1110.00	30.00	SANDY SHALE
1110.00	1140.00	30.00	SAND / COAL 1130'/ SANDY SHALE
1140.00	1170.00	30.00	SAND / COAL 1160'-1162'/ SANDY SHALE
1170.00	1230.00	60.00	SANDY SHALE / SAND
1230.00	1260.00	30.00	SAND / SANDY SHALE STR / SAND
1260.00	1290.00	30.00	SANDY SHALE / COAL 1275'-1278'
1290.00	1320.00	30.00	SANDY SHALE / SAND STR
1320.00	1350.00	30.00	SANDY SHALE
1350.00	1380.00	30.00	SANDY SHALE / SAND
1380.00	1410.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE
1410.00	1440.00	30.00	SAND / SANDY SHALE
1440.00	1470.00	30.00	SANDY SHALE STR / SAND / COAL STR / SAND / SANDY SHALE STR
1470.00	1500.00	30.00	SAND / SANDY SHALE STR
1500.00	1530.00	30.00	SAND / SANDY SHALE / COAL 1515'/ SANDY SHALE / COAL 1527'-1530'
1530.00	1560.00	30.00	COAL 1530'-1532'/ SAND
1560.00	1590.00	30.00	SANDY SHALE / COAL 1570'-1572'/ SAND / COAL 1587'-1590'
1590.00	1620.00	30.00	SAND / SANDY SHALE / COAL 1605'-1607'/ SAND
1620.00	1650.00	30.00	SANDY SHALE / COAL 1635'-1637'/ SAND
1650.00	1680.00	30.00	SAND / SANDY SHALE
1680.00	1710.00	30.00	SAND / COAL STR 1685'/ SANDY SHALE / SAND
1710.00	1740.00	30.00	SAND
1740.00	1770.00	30.00	SAND / COAL 1765'-1767'/ SAND
1770.00	1800.00	30.00	SANDY SHALE / COAL STR 1775'/ SAND
1800.00	1830.00	30.00	SAND STR / COAL STR 1810'/ SANDY SHALE / SAND STR
1830.00	1860.00	30.00	SANDY SHALE / COAL STR 1835'
1860.00	1890.00	30.00	SANDY SHALE / COAL STR 1865'
1890.00	1920.00	30.00	SANDY SHALE / COAL 1900'-1904'/ SAND
1920.00	1950.00	30.00	SANDY SHALE / COAL 1925'-1927'/ SAND
1950.00	1980.00	30.00	SANDY SHALE
1980.00	2010.00	30.00	SAND / SANDY SHALE
2010.00	2040.00	30.00	SANDY SHALE / SAND
2040.00	2070.00	30.00	SANDSTONE
2070.00	2100.00	30.00	SANDY SHALE / SAND
2100.00	2130.00	30.00	SANDY SHALE
2130.00	2160.00	30.00	SAND / SANDY SHALE
2160.00	2190.00	30.00	SANDY SHALE / SAND
2190.00	2220.00	30.00	SANDSTONE
2220.00	2280.00	60.00	SAND / SHALE STR
2280.00	2310.00	30.00	SANDSTONE
2310.00	2340.00	30.00	SAND / SHALE / SAND / SANDY SHALE
2340.00	2370.00	30.00	SHALE / SAND / SHALE / SAND
2370.00	2430.00	60.00	SHALE / SANDY SHALE
2430.00	2450.00	20.00	SHALE / SANDY SHALE/ SAND TD 7 7/8" HOLE