

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 #025

LOCATION: Elevation: 2172.09

Quadrangle: Bradshaw

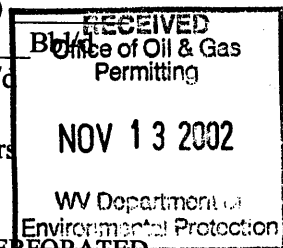
District: Sandy River County: McDowell  
Latitude: 1408 Feet South of 37 Deg. 20 Min. 00 Sec.  
Longitude: 10629 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: GeoMet Operating Company

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>5336 Stadium Trace Parkway, Ste 206</u> <u>Birmingham, Alabama 35244</u>	13-3/8"	27.1'	27.1'	
Agent: <u>Gregg Cleary</u>	8-5/8"	318.7'	318.7'	132/Pumped 180
Inspector: <u>Ronnie Scott</u>				
Date Permit Issued: <u>March 12, 2002</u>	5-1/2"	2040'	2040'	354/Pumped 410
Date Well Work Commenced: <u>June 14, 2002</u>				
Date Well Work Completed: <u>September 6, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
RotaryXXXXX Cable Rig				
Total Depth (feet): <u>2075'</u>				
Fresh Water Depth (ft.): <u>Unknown</u>				
Salt Water Depth (ft.): <u>Unknown</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>608/686/731/822/843/877/921/1168/1246/1289/1346/1433/1450/1494/1539/1628/1787</u>				

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft)  
Gas: Initial open flow N/A MCF/d Oil: Initial open flow \_\_\_\_\_  
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 Lige  
Date: 12-18-2002

JAN 17 2003

Mc Dow 1623C

API #: 47-01623C

Operator Well #: PC# 025

Farm Name: Plum Creek Timberlands, L.P.

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

1<sup>st</sup> Stage:

Perf P2, 1781' – 1787' & frac on 09/06/02 by Superior with 70Q Foam 30,400# 16/30 Sand, 373,000 SCF N2, 238 Total Bbls Fluid, Breakdown Pressure 3,033 PSIG, Average Pressure 3,246 PSI, 1845 ISIP

2<sup>nd</sup> Stage:

Perf P5, 1536' – 1540' & frac on 09/06/02 by Superior with 70Q Foam 30,700# 16/30 Sand, 227,000 SCF N2. 167 Total Bbls Fluid, Breakdown Pressure 2376 PSIG, Average Pressure 2316 PSI, 1354 ISIP

3<sup>rd</sup> Stage:

Perf P6, 1490' – 1494' & frac on 09/06/02 by Superior with 70Q Foam 20,800# 16/30 Sand, 249,000 SCF N2, 200 Total Bbls Fluid, Breakdown Pressure 3417 PSIG, Average Pressure 2,490 PSI, 1652 ISIP

4<sup>th</sup> Stage:

Perf P6-5, 1445' – 1449', 1430' – 1434', & frac on 09/06/02 by Superior with 70Q Foam 55,700# 16/30 Sand, 332,000 SCF N2, 310 Total Bbls Fluid, Breakdown Pressure 3,112 PSIG, Average Pressure 2570 PSI, 1529 ISIP

5<sup>th</sup> Stage:

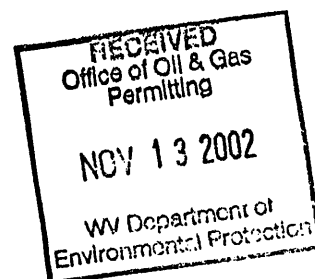
Perf P9-6, 1284' – 1288' & frac on 09/06/02 by Superior with 70Q Foam 25,900# 16/30 Sand, 187,000 SCF N2, 200 Total Bbls Fluid, Breakdown Pressure 3285 PSIG, Average Pressure 2044 PSI, 1100 ISIP

6<sup>th</sup> Stage:

Perf P9-9, 1242' – 1246' & frac on 09/06/02 by Superior with 70Q Foam 30,700# 16/30 Sand, 212,000 SCF N2, 176 Total Bbls Fluid, Breakdown Pressure 2610 PSIG, Average Pressure 2365 PSI, 1930 ISIP

7<sup>th</sup> Stage:

Perf P10-1, 1164' – 1168' & frac on 09/06/02 by Superior with 70Q Foam 26,000# 16/30 Sand, 171,000 SCF N2, 143 Total Bbls Fluid, Breakdown Pressure 2712 PSIG, Average Pressure 2210 PSI, 1160 ISIP



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

**COMPANY: GEOMET OPERATING CO.**

**HOLE NO.: GPPC-025**

**LOCATION: PEA PATCH**

**DRILL: RIG # 45**

**DATE STARTED: 06-13-2002**

**DATE COMPLETED: 06-18-2002**

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	5.00	5.00	SOFT SHALEY SAND	15" DRILLING
5.00	15.00	10.00	SOFT SAND / SHALE	
15.00	27.00	12.00	SAND / SANDY SHALE	
27.00	36.00	9.00		27.1' W/ 13 3/8" CASING
36.00	66.00	30.00	SAND / SANDY SHALE / COAL STR / SAND	
66.00	97.00	31.00	SANDSTONE / SANDY SHALE STR	
97.00	128.00	31.00	SANDSTONE	
128.00	190.00	62.00	SAND / SANDY SHALE STR	
190.00	222.00	32.00	SAND / COAL 205'-209' / SANDY SHALE	
222.00	252.00	30.00	SANDY SHALE / SAND / COAL STR 280'	
252.00	282.00	30.00	SAND / COAL 270' / SANDY SHALE / COAL	
				280' / SANDY SHALE
282.00	312.00	30.00	SANDY SHALE STR / SAND / SANDY SHALE	
				STR / SAND
312.00	330.00	18.00	SAND / SANDY SHALE STR	
				318.7' W/ 8 5/8" CASING
330.00	365.00	35.00	SAND	
365.00	485.00	120.00	SANDY SHALE	
485.00	545.00	60.00	SAND	
545.00	605.00	60.00	SANDY SHALE	
605.00	635.00	30.00	SANDY SHALE / COAL	
635.00	665.00	30.00	SANDY SHALE	
665.00	695.00	30.00	SAND	
695.00	725.00	30.00		
725.00	755.00	30.00	SHALE/COAL 725'-727' / SANDY SHALE / SAND	
755.00	785.00	30.00	SANDSTONE	
785.00	815.00	30.00	SAND / SANDY SHALE STR	
815.00	845.00	30.00	SANDY SHALE / COAL 815'-817' / SAND STR /	
				SANDY SHALE / COAL 835'-837' / SHALE
845.00	875.00	30.00	SANDY SHALE / COAL STR 855'	
875.00	905.00	30.00	COAL STR / SANDY SH / SAND / SANDY SHALE	
905.00	935.00	30.00	SANDY SHALE / COAL 920'-922'	
935.00	995.00	60.00	SANDY SHALE	
995.00	1025.00	30.00	SANDY SHALE / SAND STR	
1025.00	1055.00	30.00	SAND / COAL 1040'-1042' / SANDY SHALE	
1055.00	1115.00	60.00	SAND / SANDY SHALE STR	
1115.00	1145.00	30.00	SAND / SANDY SHALE	
1145.00	1175.00	30.00	SAND/SANDY SH/COAL 1160'-1165' / SANDY SH	
1175.00	1205.00	30.00	SANDY SHALE / COAL STR 1195'-1196'	
1205.00	1235.00	30.00	SAND STR / SANDY SHALE	
1235.00	1265.00	30.00	SANDY SHALE / COAL 1240'-1244' / SANDY	
				SHALE / COAL 1255'

**RECEIVED**  
 Office of Oil & Gas  
 Permitting  
  
**NOV 13 2002**  
  
 WV Department of  
 Environmental Protection

JAN 17 2003

M-Dow 1023 C

FROM	TO	FT.	DESCRIPTION
1265.00	1295.00	30.00	SANDY SHALE / <u>COAL 1282'-1285'</u> / SANDY SHALE / SAND
1295.00	1325.00	30.00	SAND / SANDY SHALE / SAND
1325.00	1355.00	30.00	SAND / SANDY SHALE / COAL STR 1345'
1355.00	1385.00	30.00	SANDSTONE / SANDY SHALE STR
1385.00	1415.00	30.00	SANDY SHALE
1415.00	1445.00	30.00	SANDY SHALE / <u>COAL 1430'-1432'</u> / SAND / SANDY SHALE STR
1445.00	1475.00	30.00	COAL <u>1445'-1447'</u> / SANDY SHALE / SAND
1475.00	1505.00	30.00	SAND / COAL <u>1490'-1492'</u> / SANDY SHALE
1505.00	1535.00	30.00	SAND STR / SANDY SHALE
1535.00	1565.00	30.00	COAL <u>1535'-1537'</u> / SANDY SHALE
1565.00	1595.00	30.00	SANDY SHALE / SAND
1595.00	1625.00	30.00	SAND / SANDY SHALE / <u>COAL 1622'-1625'</u>
1625.00	1655.00	30.00	COAL <u>1625'-1626'</u> / SAND / SANDY SHALE STR
1655.00	1685.00	30.00	SAND / COAL <u>1670'-1671'</u> / SANDY SHALE / COAL <u>1675'-1676'</u>
1685.00	1715.00	30.00	SANDY SHALE / SAND
1715.00	1745.00	30.00	SAND STR / SANDY SHALE / POSS. COAL STR
1745.00	1775.00	30.00	SANDY SHALE / POSS. COAL STR / SAND
1775.00	1805.00	30.00	SAND STR / COAL <u>1780'-1783'</u> / SANDY SHALE / SAND STR
1805.00	1835.00	30.00	SANDY SHALE
1835.00	1865.00	30.00	SANDY SHALE / SAND
1865.00	1895.00	30.00	SANDSTONE
1895.00	1925.00	30.00	SAND / SANDY SHALE / SAND
1925.00	1955.00	30.00	SAND / POSS. RED SHALE / SANDY SHALE / SAND
1955.00	1985.00	30.00	SAND / RED SHALE
1985.00	2015.00	30.00	RED SHALE / SANDY SHALE
2015.00	2045.00	30.00	SANDY SHALE / RED SHALE
2045.00	2075.00	30.00	SAND TD 7 7/8" HOLE

2075.00 FT. TOTAL DEPTH  
 27.10 FT. OF 13 3/8" CASING  
 318.70 FT. OF 8 5/8" CASING

