

TEE Engineering Company, Inc.
 1200 Conner Hill Court
 Lexington, KY 40509
 (606) 261-5150
 Fax (606) 261-5111

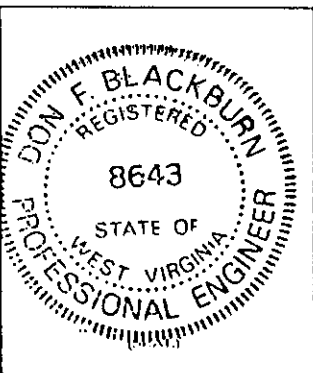
GeoMet Operating Company, Inc.
 Well No. Pond Creek 104-111-051

FILE NO. 1883-08
 DRAWING NO. WELL 51 PLAT
 SCALE: 1" = 2,000'
 MIN. DEGREE OF ACCURACY 1:2,500
 PROVEN SOURCE OF ELEVATION
 GPS STATION TEC-1 (ELEV. 2406.60)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

Don F. Blackburn
 (SIGNATURE)

R.P.E. 8643 R.P.S.



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

DATE JUNE 7, 2002
 OPERATOR'S WELL NO. POND CREEK 104-111-051

WELL NO. 47 - 047 01703-C
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS CBM LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 2,186.23' WATER SHED BRADSHAW CREEK
 DISTRICT SANDY RIVER COUNTY McDOWELL
 QUADRANGLE BRADSHAW

SURFACE OWNER PLUM CREEK TIMBERLANDS, L.P. ACREAGE 9,909.37
 CBM ROYALTY OWNER PLUM CREEK TIMBERLANDS, L.P. LEASE ACREAGE 9,909.37
 LEASE NO. RECORDING IN PROGRESS

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION NEW RIVER AND POCAHONTAS COALS ESTIMATED DEPTH 2,148'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT GREGG CLEARY
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 ADDRESS 1105 HEATHERWOOD ROAD
BIRMINGHAM, ALABAMA 35244 BLUEFIELD, WV 24701

6-6 Bradshaw cbm (383) AUG 5 9 2002

Mc Dow 1703-C

Aug

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 #51

LOCATION:

Elevation: 2,186.23' Quadrangle: Bradshaw

District: Sandy River County: McDowell
Latitude: 4,218 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 848 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>35'</u>	<u>35'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>10-3/4"</u>	<u>324'</u>	<u>324'</u>	<u>77/Pumped 120</u>
Date Permit Issued: <u>September 3, 2002</u>				
Date Well Work Commenced: <u>September 18, 2002</u>	<u>5-1/2"</u>	<u>2108'</u>	<u>2108'</u>	<u>365/Pumped 579</u>
Date Well Work Completed: <u>January 22, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable <u> </u> Rig <u> </u>				
Total Depth (feet): <u>2150'</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): 397/431/497/535/538/546/786/849/909/978/1004/1035/1195/1196/1197/1199/1307/1308/1363/1365/1377/1406/1463/1544/1545/1591/1593/1595/1617/1643/1732/1733/1780/1783/1830/1900/1901/2046/2048/2062/2063

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 210 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 Rye
February 20, 2003

MCDOW
1703

MAR 8 2003

API #: 47-4701703

Operator Well #: PC #051

Farm Name: Plum Creek Timberlands, L.P.

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

1st Stage:

Perf P2, 1898' – 1901' & frac on 1/22/03 by Superior with 70Q Foam 19,100# 16/30 Sand, 282,000 SCF N2, 214 Total Bbls Fluid. Breakdown Pressure 3876 PSIG, Average Pressure 3580 PSI, 1660 ISIP

2nd Stage:

Perf P3, 1778' – 1781' & frac on 1/22/03 by Superior with 70Q Foam 20,000# 16/30 Sand, 224,000 SCF N2, 200 Total Bbls Fluid. Breakdown Pressure 3746 PSIG, Average Pressure 2640 PSI, 1384 ISIP

3rd Stage:

Perf P4, 1731' – 1734' & frac on 1/22/03 by Superior with 70Q Foam 16,000# 16/30 Sand, 263,000 SCF N2, 167 Total Bbls Fluid. Breakdown Pressure 4000 PSIG, Average Pressure 3480 PSI, 1720 ISIP

4th Stage:

Perf P5, 1642' – 1645' & frac on 1/22/03 by Superior with 70Q Foam 21,000# 16/30 Sand, 237,000 SCF N2, 190 Total Bbls Fluid. Breakdown Pressure 2763 PSIG, Average Pressure 2940 PSI, 2490 ISIP

5th Stage:

Perf P6-5, 1592' – 1596' & frac on 1/22/03 by Superior with 70Q Foam 40,000# 16/30 Sand, 332,000 SCF N2, 286 Total Bbls Fluid. Breakdown Pressure 3758 PSIG, Average Pressure 3460 PSI, 2533 ISIP

6th Stage: **NO PLUG**

Perf P9, 1545' – 1548' & frac on 1/22/03 by Superior with 70Q Foam ____ # 16/30 Sand, _____ N2, 48 Total Bbls Fluid. Breakdown Pressure 3637 PSIG, Average Pressure 3900 PSI, 3850 ISIP

7th Stage:

Perf P9-7, 1407' – 1410' & frac on 1/22/03 by Superior with 70Q Foam 19,000# 16/30 Sand, 201,000 SCF N2, 176 Total Bbls Fluid. Breakdown Pressure 2742 PSIG, Average Pressure 2500 PSI, 1395 ISIP

8th Stage: **NO PLUG**

Perf P9-8, 1364' – 1368' & frac on 1/22/03 by Superior with 70Q Foam 12,000# 16/30 Sand, 199,000 SCF N2, 155 Total Bbls Fluid. Breakdown Pressure 3402 PSIG, Average Pressure 3730 PSI, 1485 ISIP

9th Stage:

Perf P10, 1308' – 1311' & frac on 1/22/03 by Superior with 70Q Foam 32,000# 16/30 Sand, 287,000 SCF N2, 190 Total Bbls Fluid. Breakdown Pressure 2808 PSIG, Average Pressure 2740 PSI, 1387 ISIP

DRILL DATA HOLE – NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO. HOLE NO.: GPPC-051

LOCATION: BUG HURLEY HOLLOW DRILL: RIG # 23

DATE STARTED: 09-18-2002 DATE COMPLETED: 09-20-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	35.00	35.00	SANDY SHALE	20.85' W/ 13 3/8" CASING
35.00	66.00	31.00	SANDSTONE	
66.00	92.00	26.00	SAND / SANDY SHALE	
92.00	123.00	31.00	SANDY SHALE / SAND	
123.00	154.00	31.00	SANDY SHALE / SAND / SANDY SHALE	
154.00	184.00	30.00	SAND / SHALE / SANDY SHALE	
184.00	214.00	30.00	SANDY SHALE / COAL 200'-202' / SAND	
214.00	274.00	60.00	SANDSTONE	
274.00	304.00	30.00	COAL STR / SAND	
304.00	334.00	30.00		324' W/ 10 1/4" CASING
334.00	364.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE	
364.00	394.00	30.00	SANDY SHALE / SAND / COAL 391'-392' / SAND	
394.00	424.00	30.00	SANDY SHALE / SAND	
424.00	454.00	30.00	SAND / SANDY SHALE	
454.00	484.00	30.00	SANDY SH / SAND / COAL / SHALE 481'-484'	
484.00	514.00	30.00	SAND / SANDY SHALE / SHALE	
514.00	544.00	30.00	SANDY SHALE / COAL 527'-535'-541'-543'	SHALE
544.00	574.00	30.00	SAND / SANDY SHALE	
574.00	604.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE	
604.00	634.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
634.00	664.00	30.00	SAND / SANDY SHALE / COAL 660'-662'	
664.00	694.00	30.00	SAND / SANDY SHALE	
694.00	724.00	30.00	SANDY SHALE / SAND	
724.00	754.00	30.00	SAND / SANDY SHALE	
754.00	784.00	30.00	SANDY SHALE / COAL 780'-782' / SAND	
784.00	814.00	30.00	SAND / SANDY SHALE	
814.00	844.00	30.00	SAND / SANDY SHALE / COAL 841'-843'	
844.00	874.00	30.00	SAND / SANDY SHALE	
874.00	904.00	30.00	SANDY SHALE / SAND / COAL STR 903'	
904.00	934.00	30.00	SAND / SANDY SHALE	
934.00	964.00	30.00	SANDSTONE	
964.00	994.00	30.00	SAND / COAL STR / SANDY SHALE	
994.00	1024.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE	
1024.00	1054.00	30.00	SANDY SHALE / COAL STR / SAND	
1054.00	1114.00	60.00	SANDSTONE	
1114.00	1144.00	30.00	SAND / COAL STR / SANDY SHALE	
1144.00	1174.00	30.00	SANDSTONE	
1174.00	1204.00	30.00	SANDY SHALE / COAL / SAND	
1204.00	1234.00	30.00	SANDSTONE	
1234.00	1260.00	26.00	SAND / SANDY SHALE / SAND	

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 GEOMET OPERATING CO.
 GPPC-051

FROM	TO	FT.	DESCRIPTION
1260.00	1290.00	30.00	SAND / SANDY SHALE
1290.00	1320.00	30.00	SANDSTONE
1320.00	1350.00	30.00	SANDY SHALE
1350.00	1380.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE
1380.00	1410.00	30.00	SANDY SHALE / COAL STR / SAND
1410.00	1440.00	30.00	SAND / SANDY SHALE
1440.00	1470.00	30.00	SAND / COAL STR / SANDY SHALE
1470.00	1500.00	30.00	SANDY SHALE
1500.00	1530.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1530.00	1560.00	30.00	SANDSTONE
1560.00	1590.00	30.00	SAND / SANDY SHALE
1590.00	1620.00	30.00	SANDY SHALE / COAL STR / SAND
1620.00	1650.00	30.00	SANDY SHALE / COAL STR
1650.00	1680.00	30.00	SANDY SHALE
1680.00	1710.00	30.00	SAND / SANDY SHALE
1710.00	1740.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE
1740.00	1770.00	30.00	SAND / SANDY SHALE / SAND
1770.00	1800.00	30.00	SAND / COAL STR / SANDY SHALE
1800.00	1830.00	30.00	SANDY SHALE
1830.00	1860.00	30.00	SAND / SANDY SHALE
1860.00	1890.00	30.00	SANDSTONE
1890.00	1920.00	30.00	SANDY SHALE / COAL STR
1920.00	1950.00	30.00	SANDY SHALE
1950.00	1980.00	30.00	SANDY SHALE / SAND
1980.00	2010.00	30.00	SANDY SHALE
2010.00	2070.00	60.00	SAND / SANDY SHALE
2070.00	2130.00	60.00	SANDY SHALE / RED SHALE / SANDY SHALE
2130.00	2150.00	20.00	RED SHALE / SANDY SHALE

2150.00 FT. TOTAL DEPTH
 35.00 FT. OF 13 3/8" CASING
 324.00 FT. OF 10 3/4" CASING