

TEE Engineering Company, Inc.

120 Cutlers Hill Court
 Lexington, KY 40509
 (606) 261-3339
 Fax (606) 261-3345



P.O. Box 219
 Stanville, KY 41659
 (606) 378-9021
 Fax (606) 378-9019

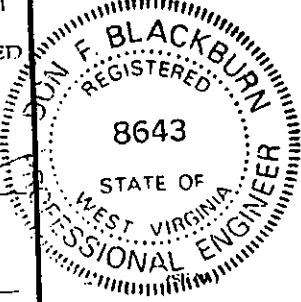
GeoMet Operating Company, Inc.
 Well No. Pond Creek 104-110-045

FILE NO. 1883-08
 DRAWING NO. WELL 45 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 104-110-045
 API WELL NO. 47 - 047 - 01701-C
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2,145.75' 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 2,102'
 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 to Bradshaw CBM (383)

JUN 28 2002

Mc Dow 1701-C

Handwritten initials

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 #45

LOCATION:

Elevation: 2,145.75' Quadrangle: Bradshaw

District: Sandy River County: McDowell
Latitude: 4,632 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 2,392 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>20.25'</u>	<u>20.25'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>10-3/4"</u>	<u>326'</u>	<u>326'</u>	<u>78/Pumped 132</u>
Date Permit Issued: <u>September 3, 2002</u>				
Date Well Work Commenced: <u>September 12, 2002</u>	<u>5-1/2"</u>	<u>2065'</u>	<u>2065'</u>	<u>358/Pumped 780</u>
Date Well Work Completed: <u>November 14, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2104'</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):
367/407/442/457/460/478/732/790/846/847/917/937/966/1030/1122/1129/1138/1263/1272/1479/1511/1548/1593/1611/1638/1672/1728/1827/1837

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 170 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 Rife
DATE: 1-3-2003

EEB 27 2003

MCDOWELL 1701

API #: 47-01701

Operator Well #: PC #045

Farm Name: Plum Creek Timberlands, L.P.

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

1st Stage:

Perf P1, 1837' – 1839'/Perf P-2, 1827' – 1831' & frac on 11/14/02 by Superior with 70Q Foam 31,000# 16/30 Sand, 345,000 SCF N2, 214 Total Bbls Fluid. Breakdown Pressure 3570 PSIG, Average Pressure 2620 PSI, 1550 ISIP

2nd Stage:

Perf P3, 1727' – 1731' & frac on 11/14/02 by Superior with 70Q Foam 28,000# 16/30 Sand, 288,000 SCF N2, 179 Total Bbls Fluid. Breakdown Pressure 1850 PSIG, Average Pressure 2475 PSI, 1260 ISIP

3rd Stage:

Perf P4, 1672' – 1675' & frac on 11/14/02 by Superior with 70Q Foam 22,000# 16/30 Sand, 286,000 SCF N2, 190 Total Bbls Fluid. Breakdown Pressure 3640 PSIG, Average Pressure 2881 PSI, 1650 ISIP

4th Stage:

Perf P4-5, 1611' – 1615'/Perf P5, 1593' – 1596' & frac on 11/14/02 by Superior with 70Q Foam 35,000# 16/30 Sand, 455,000 SCF N2, 310 Total Bbls Fluid. Breakdown Pressure 2840 PSIG, Average Pressure 3168 PSI, 1445 ISIP

5th Stage:

Perf P6, 1548' – 1551' & frac on 11/14/02 by Superior with 70Q Foam 21,000# 16/30 Sand, 255,000 SCF N2, 143 Total Bbls Fluid. Breakdown Pressure 2900 PSIG, Average Pressure 2873 PSI, 1445 ISIP

6th Stage:

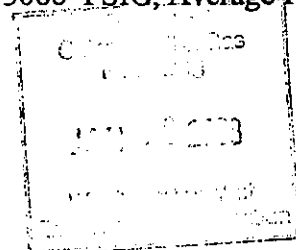
Perf P6-5, 1510' – 1512'/Perf P9, 1478' – 1482' & frac on 11/14/02 by Superior with 70Q Foam 27,000# 16/30 Sand, 260,000 SCF N2, 155 Total Bbls Fluid. Breakdown Pressure 3723 PSIG, Average Pressure 2633 PSI, 1270 ISIP

7th Stage:

Perf P10, 1264' – 1267' & frac on 11/14/02 by Superior with 70Q Foam 26,800# 16/30 Sand, 368,000 SCF N2, 286 Total Bbls Fluid. Breakdown Pressure 3619 PSIG, Average Pressure 3210 PSI, 1907 ISIP

8th Stage:

Perf P10-4, 1139' – 1143'/Perf P10-5, 1128' – 1131' & frac on 11/14/02 by Superior with 70Q Foam 24,400# 16/30 Sand, 263,000 SCF N2, 238 Total Bbls Fluid. Breakdown Pressure 3066 PSIG, Average Pressure 2944 PSI, 1622 ISIP



DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO. HOLE NO.: GPPC-045

LOCATION: BUG HURLEY HOLLOW DRILL: RIG # 23

DATE STARTED: 09-12-2002 DATE COMPLETED: 09-17-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	20.00	20.00	SHALE / SANDY SHALE / COAL / SAND	
20.00	30.00	10.00	SANDSTONE	20.25' W/ 13 3/8" CASING
30.00	60.00	30.00	SAND / SANDY SHALE	
60.00	90.00	30.00	SANDSTONE	
90.00	120.00	30.00	SAND / SANDY SHALE / SAND	
120.00	150.00	30.00	SAND / COAL STR / SANDY SHALE	
150.00	180.00	30.00	SANDY SHALE / SAND / COAL STR / SANDY SHALE	
180.00	210.00	30.00	SANDY SHALE / COAL STR / SAND	
210.00	240.00	30.00	COAL STR / SANDY SHALE / SAND	
240.00	300.00	60.00	SANDSTONE	
300.00	330.00	30.00	SAND / SANDY SHALE	325.81' W/ 10 3/4" CASING
330.00	340.00	10.00	SANDY SHALE	
340.00	360.00	20.00	SANDSTONE	
360.00	390.00	30.00	SAND / COAL STR / SANDY SHALE	
390.00	420.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE	
420.00	450.00	30.00	SANDY SHALE / SAND	
450.00	480.00	30.00	COAL STR / SANDY SHALE / SAND	
480.00	510.00	30.00	SAND / SANDY SHALE	
510.00	540.00	30.00	SANDY SHALE / SAND	
540.00	570.00	30.00	SANDSTONE	
570.00	600.00	30.00	SAND / SANDY SHALE / SAND	
600.00	630.00	30.00	SANDSTONE	
630.00	660.00	30.00	SAND / SANDY SHALE / COAL STR	
660.00	690.00	30.00	SAND / SANDY SHALE / SHALE	
690.00	720.00	30.00	SANDY SHALE / COAL	695'-696'
720.00	750.00	30.00	SANDY SHALE / COAL	730-732' / SANDY SHALE / COAL 740-742' & 748'-750'
750.00	780.00	30.00	SAND / SANDY SHALE	
780.00	810.00	30.00	SAND / COAL	788'-790' / SANDY SHALE
810.00	840.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
840.00	870.00	30.00	SAND / COAL	845'-847' / SANDY SHALE
870.00	930.00	60.00	SANDY SHALE / SAND	
930.00	960.00	30.00	SAND / COAL	940'-942' / SANDY SHALE
960.00	990.00	30.00	SAND / SANDY SHALE	
990.00	1020.00	30.00	SANDY SHALE / SAND	
1020.00	1080.00	60.00	SAND / SANDY SHALE	
1080.00	1110.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE	
1110.00	1140.00	30.00	SANDY SHALE / COAL	1125'-1127' / SANDY SHALE

M'Dow 1701

FEB 27 2003

PAGE 2
 GEOMET OPERATING CO
 GPPC-045

FROM	TO	FT.	DESCRIPTION
1140.00	1200.00	60.00	SANDY SHALE / SAND
1200.00	1230.00	30.00	SAND / SANDY SHALE
1230.00	1260.00	30.00	SANDY SHALE / COAL 1256'-1260'
1260.00	1290.00	30.00	SANDY SHALE / SAND
1290.00	1320.00	30.00	SAND / SANDY SHALE
1320.00	1350.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE
1350.00	1380.00	30.00	SAND / SANDY SHALE
1380.00	1410.00	30.00	SANDY SHALE / SAND
1410.00	1440.00	30.00	SANDSTONE
1440.00	1470.00	30.00	SAND / SANDY SHALE / SAND
1470.00	1500.00	30.00	SAND / COAL STR
1500.00	1530.00	30.00	SAND / SANDY SHALE / SAND
1530.00	1560.00	30.00	SAND / SANDY SHALE
1560.00	1590.00	30.00	SAND / COAL STR / SANDY SHALE
1590.00	1620.00	30.00	COAL 2 / SANDY SHALE / COAL 3 / SANDY SHALE
1620.00	1650.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1650.00	1680.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE
1680.00	1710.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1710.00	1740.00	30.00	SANDY SHALE / COAL STR / SAND
1740.00	1770.00	30.00	SANDSTONE
1770.00	1800.00	30.00	SANDY SHALE / SAND
1800.00	1830.00	30.00	SANDSTONE
1830.00	1860.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1860.00	1890.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE
1890.00	1920.00	30.00	SANDY SHALE / SAND
1920.00	1950.00	30.00	SANDSTONE
1950.00	1980.00	30.00	SAND / SANDY SHALE / SAND
1980.00	2000.00	20.00	SAND / SANDY SHALE
2000.00	2010.00	10.00	RED SHALE
2010.00	2040.00	30.00	SANDY SHALE / SAND / SANDY SHALE
2040.00	2070.00	30.00	SANDY SHALE
2070.00	2100.00	30.00	SANDY SHALE / SAND / SANDY SHALE

2100.00 FT. TOTAL DEPTH
 20.25 FT. OF 13 3/8" CASING
 325.81 FT. OF 10 3/4" CASING

