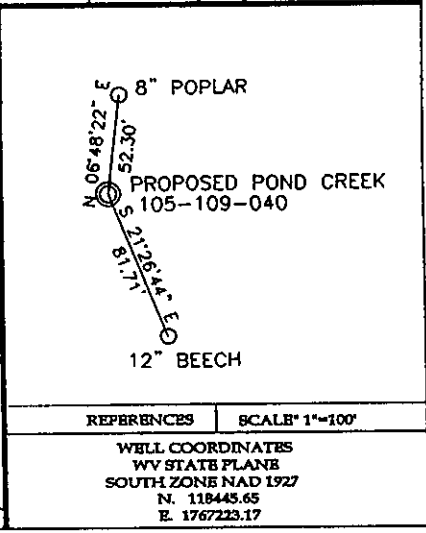


(+) DENOTES LOCATION OF WELL ON 7.5' TOPOGRAPHIC MAP



**TEE Engineering Company, Inc.**  
 520 Cutlers Hill Court  
 Lexington, KY 40509  
 (859) 263-3330  
 Fax (859) 263-5345

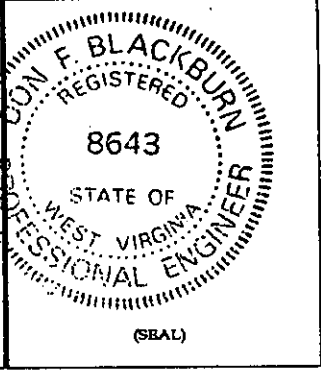
**GeoMet Operating Company, Inc.**  
 Well No. Pond Creek 105-109-040

FILE NO. 1883-08  
 DRAWING NO. WELL 40 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 MAY 6, 2002  
 OPERATOR'S WELL NO. POND CREEK 105-109-040

WELL NO. 47 - 047 - 016710  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,956.35' WATER SHED HITE FORK OF 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 X 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 1,891'  
 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

Mc Dow 16710

*Am 7*

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 #40

LOCATION:

Elevation: 1,956.35' Quadrangle: Bradshaw

District: Sandy River County: McDowell  
Latitude: 2,554 Feet South of 37 Deg. 20 Min. 00 Sec.  
Longitude: 3,938 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>24'</u>	<u>24'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>735'</u>	<u>735'</u>	<u>303/Pumped 240</u>
Date Permit Issued: <u>July 5, 2002</u>				
Date Well Work Commenced: <u>August 26, 2002</u>	<u>5-1/2"</u>	<u>1808'</u>	<u>1808'</u>	<u>313/ Pumped 390</u>
Date Well Work Completed: <u>October 18, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable <u>      </u> Rig <u>      </u>				
Total Depth (feet): <u>1890'</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): 710/735/764/809/938/1054/1065/1108/1122/1157/1208/1278/1306/1339/1385/1473/1532/1535

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 \_\_\_\_\_ 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: 1-3-2003

FEB 27 2003

MCDOWELL 1671C

API #: 47-01671C  
Operator Well #: PC #040  
Farm Name: Plum Creek Timberlands, L.P.

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

1<sup>st</sup> Stage:

Perf P1, 1639' – 1643'/Perf P-2, 1625' – 1628' & frac on 10/18/02 by Superior with 70Q Foam 29,000# 16/30 Sand, 332,000 SCF N2, 202 Total Bbbs Fluid. Breakdown Pressure 3380 PSIG, Average Pressure 2832 PSI, 1408 ISIP

2<sup>nd</sup> Stage:

Perf P2-1, 1562' – 1566'/Perf P3 1532' – 1535' & frac on 10/18/02 by Superior with 70Q Foam 37,000# 16/30 Sand, 299,000 SCF N2, 214 Total Bbbs Fluid. Breakdown Pressure 2579 PSIG, Average Pressure 2148 PSI, 1222 ISIP

3<sup>rd</sup> Stage:

Perf P4, 1473' – 1477' & frac on 10/18/02 by Superior with 70Q Foam 22,000# 16/30 Sand, 273,000 SCF N2, 143 Total Bbbs Fluid. Breakdown Pressure 2230 PSIG, Average Pressure 2916 PSI, 1445 ISIP

4<sup>th</sup> Stage:

Perf P5, 1384' – 1388'/Perf P6, 1338' – 1341'/Perf P6-5, 1306' – 1309' & frac on 10/18/02 by Superior with 70Q Foam 37,000# 16/30 Sand, 375,000 SCF N2, 226 Total Bbbs Fluid. Breakdown Pressure 3153 PSIG, Average Pressure 2707 PSI, 2005 ISIP

5<sup>th</sup> Stage:

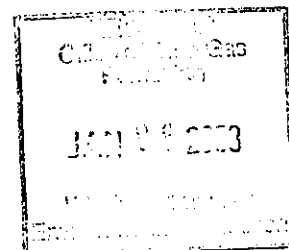
Perf P9, 1276' – 1280' & frac on 10/18/02 by Superior with 70Q Foam 17,000# 16/30 Sand, 421,000 SCF N2, 167 Total Bbbs Fluid. Breakdown Pressure 4270 PSIG, Average Pressure 3318 PSI, 1433 ISIP

6<sup>th</sup> Stage:

Perf P9-6, 1156' – 1160'/Perf P9-7, 1120' – 1124'/Perf P9-8, 1107' – 1111' & frac on 10/18/02 by Superior with 70Q Foam 38,000# 16/30 Sand, 343,000 SCF N2, 214 Total Bbbs Fluid. Breakdown Pressure 2565 PSIG, Average Pressure 2587 PSI, 1310 ISIP

7<sup>th</sup> Stage:

Perf P9-9, 1064' – 1068'/Perf P10, 1052' – 1056' & frac on 10/18/02 by Superior with 70Q Foam 33,000# 16/30 Sand, 254,000 SCF N2, 179 Total Bbbs Fluid. Breakdown Pressure 3150 PSIG, Average Pressure 2403 PSI, 1451 ISIP



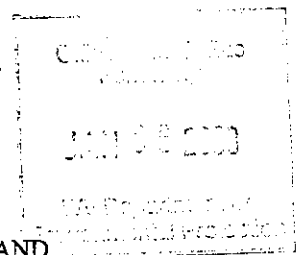
**DRILL DATA HOLE – NOAH HORN WELL DRILLING, INC.**

**COMPANY: GEOMET OPERATING CO.      HOLE NO.: GPPC-040**

**LOCATION: BUG HURLEY HOLLOW      DRILL: RIG # 23**

**DATE STARTED: 08-25-2002      DATE COMPLETED: 08-27-2002**

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	24.00	24.00	OVERBURDEN	24'W/ 13 3/8" CASING
24.00	30.00	6.00	SANDSTONE	
30.00	61.00	31.00	SAND / SANDY SHALE / SAND	
61.00	92.00	31.00	SANDSTONE	
92.00	123.00	31.00	SANDSTONE / COAL STR / SAND	
123.00	154.00	31.00	SAND / COAL STR / SANDY SHALE	
154.00	184.00	30.00	SANDSTONE	
184.00	214.00	30.00	SAND / COAL STR / SAND	
214.00	244.00	30.00	SAND / COAL STR / SANDY SHALE	
244.00	274.00	30.00	SANDY SHALE / SAND	
274.00	304.00	30.00	SAND / SANDY SHALE	
304.00	334.00	30.00	SANDY SHALE / COAL	
334.00	364.00	30.00	SAND / SANDY SHALE STR	
364.00	424.00	60.00	SANDY SHALE / SAND	
424.00	454.00	30.00	SANDY SHALE / COAL STR 435' / SAND	
454.00	484.00	30.00	SAND / COAL 470'-472' / SANDY SHALE	✓
484.00	514.00	30.00	SANDY SHALE / SAND STR	
514.00	544.00	30.00	SANDY SHALE / COAL 520'-522' / SANDY SHALE	✓
544.00	574.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
574.00	604.00	30.00	SANDY SHALE / COAL 580'-590' / SAND	✓
604.00	634.00	30.00	SAND / SANDY SHALE STR	
634.00	664.00	30.00	SANDY SHALE / SAND	
664.00	694.00	30.00	SANDY SHALE / COAL STR 670' / SAND	
694.00	724.00	30.00	SANDY SHALE / COAL 710'-712' / SAND	✓
724.00	755.00	31.00	SAND / COAL 740'-742' / SANDY SHALE / SAND	✓
			735' W/ 8 5/8" CASING	
755.00	780.00	25.00	SAND / COAL STR / SANDY SHALE	
780.00	810.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
810.00	840.00	30.00	COAL 810'-812' / SANDY SHALE	✓
840.00	870.00	30.00	SANDY SHALE / SAND	
870.00	900.00	30.00	SANDY SHALE / SAND	
900.00	930.00	30.00	SANDY SHALE	
930.00	960.00	30.00	COAL W/ SHALE 935'-937' / SAND	✓
960.00	1020.00	60.00	SAND / SANDY SHALE STR	
1020.00	1050.00	30.00	SAND / SANDY SHALE / COAL 1049'	
1050.00	1080.00	30.00	COAL 1053' / SAND / COAL 1060'-1062' / SANDY SHALE	✓
1080.00	1110.00	30.00	SAND / SANDY SHALE / COAL 1104'-1107' / SANDY SHALE	
1110.00	1140.00	30.00	SANDY SHALE / COAL 1115'-1116' / SAND / SANDY SHALE / COAL STR 1138'	✓
1140.00	1170.00	30.00	SANDY SHALE / COAL 1150'-1152' / SAND	✓



FEB 27 2003

FROM	TO	FT.	DESCRIPTION
1170.00	1200.00	30.00	SAND / SANDY SHALE
1200.00	1260.00	60.00	SANDY SHALE / SAND
1260.00	1290.00	30.00	SANDY SHALE / SAND / COAL 1280' / SAND
1290.00	1320.00	30.00	SANDY SHALE / COAL 1305'-1307' / SAND ✓
1320.00	1350.00	30.00	SANDY SHALE / SAND
1350.00	1380.00	30.00	SAND / SANDY SHALE
1380.00	1410.00	30.00	SAND / SANDY SHALE / COAL STR
1410.00	1440.00	30.00	SANDY SHALE / SAND
1440.00	1470.00	30.00	SAND / SANDY SHALE / COAL STR
1470.00	1500.00	30.00	SANDY SHALE / SAND
1500.00	1530.00	30.00	SAND / SANDY SHALE / COAL STR / SANDY SHALE
1530.00	1560.00	30.00	SANDY SHALE
1560.00	1590.00	30.00	SANDY SHALE / SAND
1590.00	1620.00	30.00	SAND / COAL STR / SAND
1620.00	1650.00	30.00	SANDSTONE
1650.00	1680.00	30.00	SANDY SHALE / COAL STR / SAND
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	SANDSTONE
1770.00	1800.00	30.00	SAND / SANDY SHALE / SAND
1800.00	1815.00	15.00	RED SHALE
1815.00	1820.00	5.00	SANDY SHALE
1820.00	1830.00	10.00	RED SHALE
1830.00	1860.00	30.00	SANDY SHALE
1860.00	1890.00	30.00	SANDY SHALE / SAND

TD 7 7/8" HOLE

1890.00 FT. TOTAL DEPTH  
 24.00 FT. OF 13 3/8" CASING  
 735.00 FT. OF 8 5/8" CASING

