

PROPOSED POND CREEK
109-110-050

N 86°31'25" E
79.25'
16" WHITE OAK

S 07°35'33" E
84.41'
30" CHESTNUT OAK

REFERENCES	SCALE 1"=100'
WELL COORDINATES WV STATE PLANE SOUTH ZONE NAD 1927 N. 120198.86 E. 1774427.91	

TEE Engineering Company, Inc.
320 Custer Hill Court
Lexington, KY 40509
(859) 263-5330
Fax (859) 263-5345

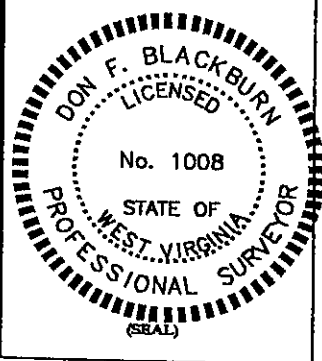
GeoMet Operating Company, Inc.
Well No. Pond Creek 109-110-050

FILE NO. 1883-08
DRAWING NO. WELL 50 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. _____ R.P.S. 1008



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

DATE JUNE 7, 2002
OPERATOR'S WELL NO. POND CREEK 109-110-050 REV
API WELL NO. 47 - 047 - 01702-C-F
STATE COUNTY PERMIT

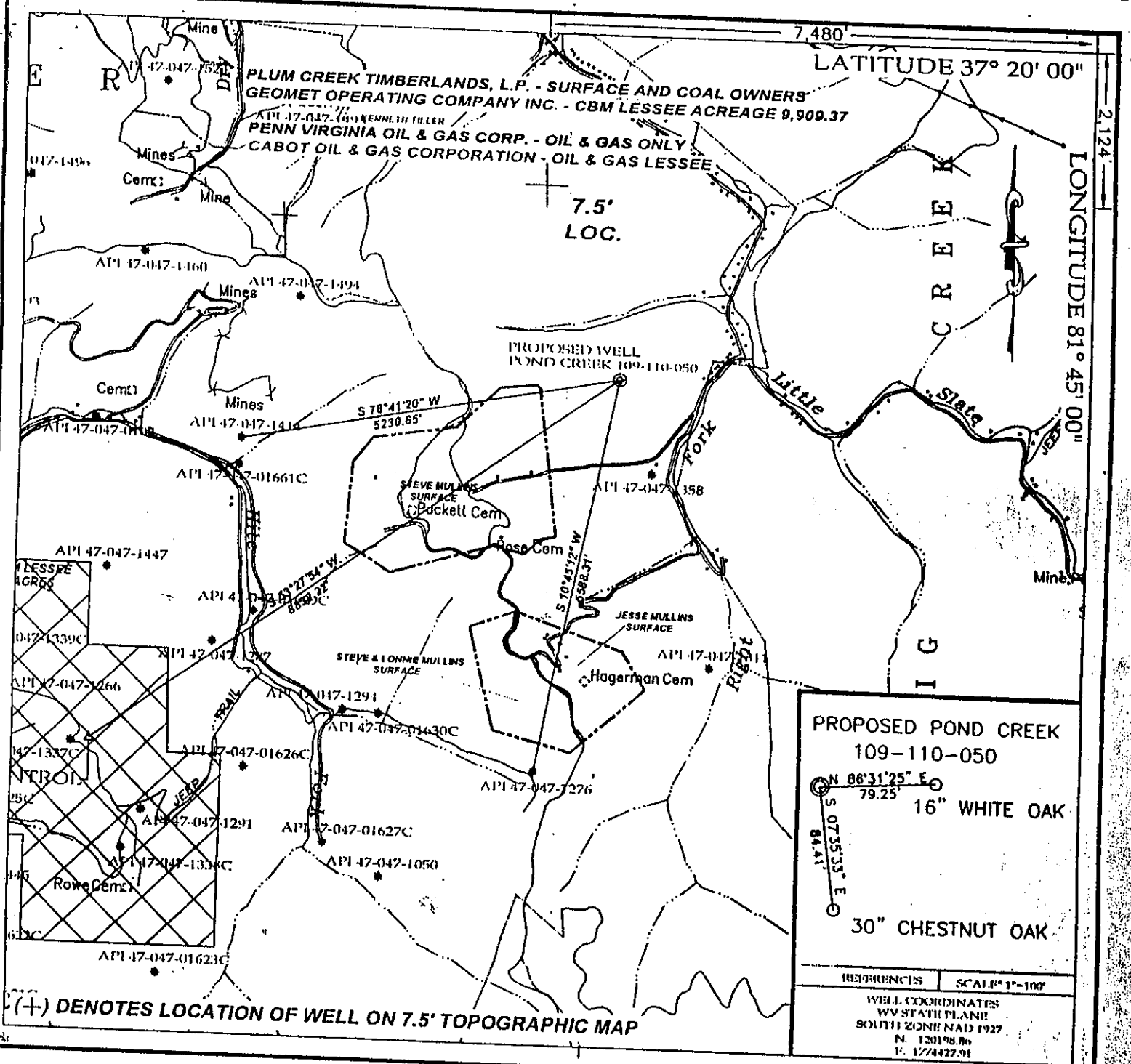
WELL TYPE: OIL _____ GAS X CBM LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 2,068.68' WATER SHED _____ LITTLE SLATE CREEK _____
DISTRICT BIG CREEK COUNTY McDOWELL
QUADRANGLE BRADSHAW

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

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 1,978'
WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 206 ADDRESS 330 HARPER PARK DRIVE SUITE A
BIRMINGHAM, ALABAMA 35244 BECKLEY, WV 25801

McDow 1702 E



TEE Engineering Company, Inc.
 170 Centers Hill Court
 Lexington, KY 40509
 (606) 263-3350
 Fax (606) 263-3345

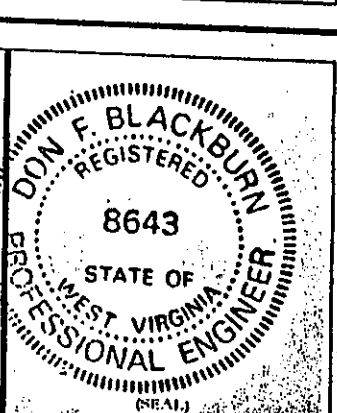
GeoMet Operating Company, Inc.
 Well No. Pond Creek 109-110-050

FILE NO. 1883-08
 DRAWING NO. WELL 50 PLAT
 SCALE: 1" = 2,000'
 MIN. DEGREE OF ACCURACY 1 : 2,500
 PROVEN SOURCE OF ILLUMINATION
GPS STATION TEC-1 (ELEV. 2408.60)

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Don F. Blackburn
 (SIGNATURE)

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



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

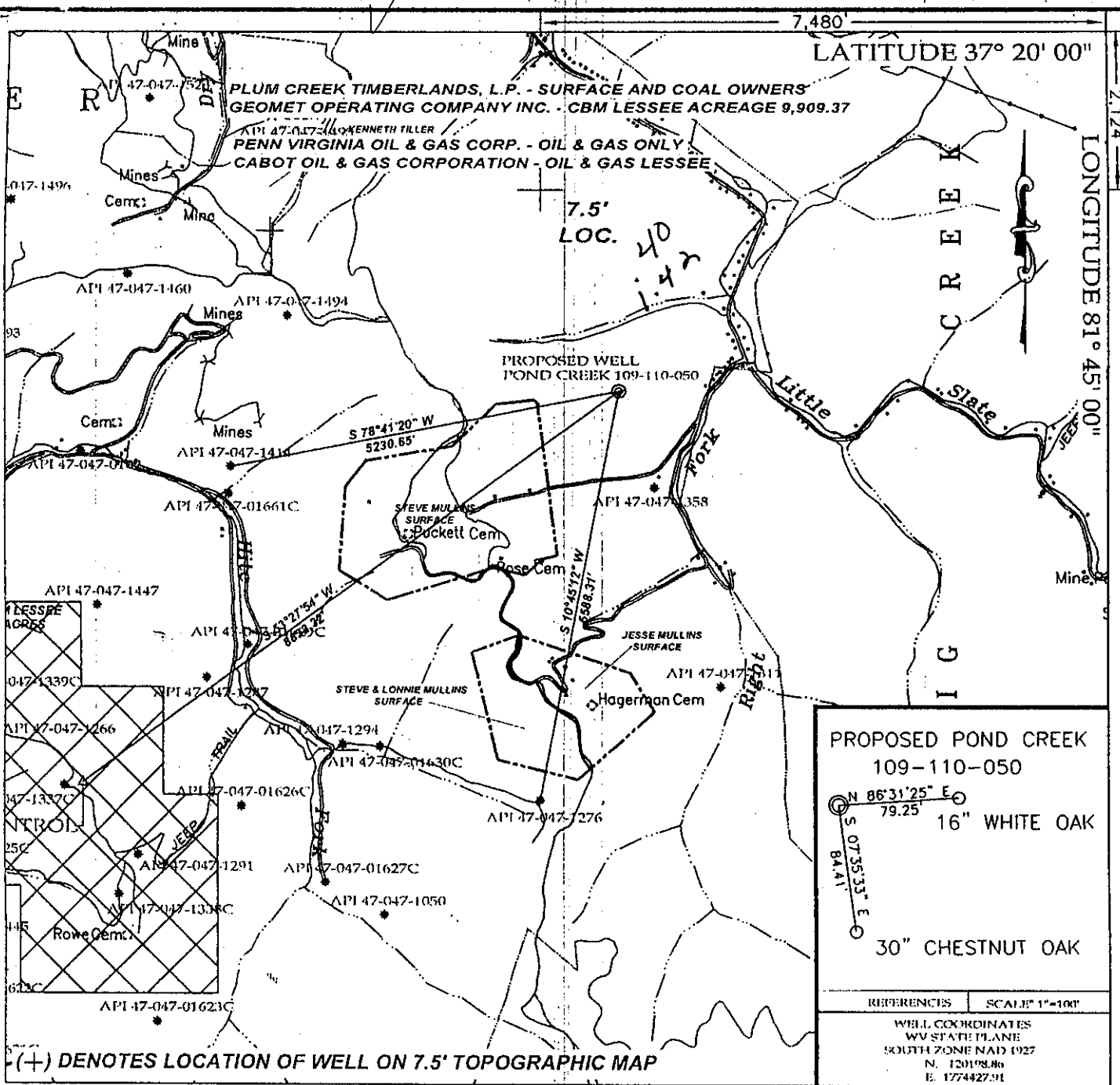
DATE: JUNE 7 2002
 OPERATOR'S WELL NO. POND CREEK 109-110-050
 API WELL NO. 47 STATE 047 COUNTY McDOWELL PERMIT 017026
 WASTE DISPOSAL FRAC

WELL TYPE: OIL GAS X CBM LIQUID INJECTION _____
 (IF GAS) PRODUCTION X STORAGE _____
 LOCATION: ELEVATION 2,068.68' WATER SHED LITTLE SLATE CREEK
 DISTRICT BIG CREEK 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 1,978'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT GREGG CLEARY
 ADDRESS 5338 STADIUM TRACE PARKWAY SUITE 3206 BIRMINGHAM, ALABAMA 35244
 ADDRESS 1105 HEATHERWOOD ROAD BLUEFIELD, WV 24701



PROPOSED POND CREEK 109-110-050

N 86°31'25" E 79.25' 16" WHITE OAK

S 07°35'33" E 84.1' 30" CHESTNUT OAK

REFERENCES	SCALE 1"=100'
WELL COORDINATES WV STATE PLANE SOUTH ZONE NAD 1927 N. 120198.86 E. 1774427.91	

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

TEE Engineering Company, Inc.
120 Chance Hill Court
Lexington, KY 40509
(606) 261-5150
Fax (606) 261-5145

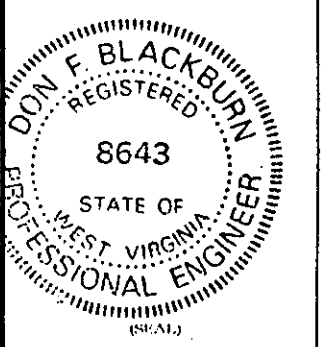
GeoMet Operating Company, Inc.
Well No. Pond Creek 109-110-050

FILE NO. 1883-08
DRAWING NO. WELL 50 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 109-110-050
API WELL NO. 47 - STATE 047 - COUNTY PERMIT - 01702C

WELL TYPE: OIL _____ GAS X CBM _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 2,068.68' WATER SHED _____ LITTLE SLATE CREEK _____
DISTRICT BIG CREEK 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 1,978' SEP 06 2002
WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT GREGG CLEARY
ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 BIRMINGHAM, ALABAMA 35244 ADDRESS 1105 HEATHERWOOD ROAD BLUEFIELD, WV 24701

6-6 Bradshaw CBM (383)

M=Don 1702-C

M B

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 #50

LOCATION:

Elevation: 2,068.68' Quadrangle: Bradshaw

District: Big Creek County: McDowell
Latitude: 7,480 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 2,124 Feet West of 81 Deg. 45 Min. 00 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>21.55'</u>	<u>21.55'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>10-3/4"</u>	<u>335'</u>	<u>335'</u>	<u>80/Pumped 78</u>
Date Permit Issued: <u>September 3, 2002</u>				
Date Well Work Commenced: <u>September 23, 2002</u>	<u>5-1/2"</u>	<u>1966'</u>	<u>1966'</u>	<u>335/ Pumped 533</u>
Date Well Work Completed: <u>November 5, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1985'</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): 346/526/530/602/653/657/719/792/831/956/1075/1228/1312/1333/1343/1398/1434/1483/1550/1602/1659

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 100 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

McDowell
 1702
 FEB 27 2003

API #: 47-01702

Operator Well #: PC #050

Farm Name: Plum Creek Timberlands, L.P.

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

1st Stage:

Perf P1, 1679' – 1685'/Perf P2, 1660' – 1662' & frac on 11/05/02 by Superior with 70Q Foam 14,200# 16/30 Sand, 406,000 SCF N2, 200 Total Bbls Fluid. Breakdown Pressure 4000 PSIG, Average Pressure 3340 PSI, 1700 ISIP

2nd Stage:

Perf P3, 1550' – 1554' & frac on 11/05/02 by Superior with 70Q Foam 31,400# 16/30 Sand, 346,000 SCF N2, 238 Total Bbls Fluid. Breakdown Pressure 2256 PSIG, Average Pressure 2840 PSI, 1334 ISIP

3rd Stage:

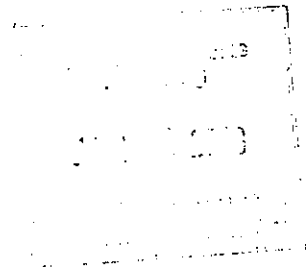
Perf P5, 1397' – 1400' & frac on 11/05/02 by Superior with 70Q Foam 16,000# 16/30 Sand, 266,000 SCF N2, 238 Total Bbls Fluid. Breakdown Pressure 3694 PSIG, Average Pressure 2780 PSI, 1677 ISIP

4th Stage:

Perf P9, 1332' – 1335' & frac on 11/05/02 by Superior with 70Q Foam 36,000# 16/30 Sand, 377,000 SCF N2, 262 Total Bbls Fluid. Breakdown Pressure 3964 PSIG, Average Pressure 2860 PSI, 2182 ISIP

5th Stage:

Perf P10, 1074' – 1078' & frac on 11/05/02 by Superior with 70Q Foam 31,000# 16/30 Sand, 294,000 SCF N2, 190 Total Bbls Fluid. Breakdown Pressure 2088 PSIG, Average Pressure 2640 PSI, 1582 ISIP



DRILL DATA HOLE – NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO. HOLE NO.: GPPC-050

LOCATION: BUG HURLEY HOLLOW DRILL: RIG # 23

DATE STARTED: 09-23-2002 DATE COMPLETED: 09-25-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	21.55	21.55	OVERBURDEN	21.55' W/ 13 3/8" CASING
21.55	30.00	8.45	SANDSTONE	
30.00	90.00	60.00	BROWN SAND	
90.00	120.00	30.00	GRAY SAND / SANDY SHALE STR	
120.00	150.00	30.00	SANDY SHALE / COAL 123' / SANDY SHALE / SAND	
150.00	180.00	30.00	SAND / COAL 165'-167' / SANDY SHALE / SAND	
180.00	210.00	30.00	SAND / SANDY SHALE STR	
210.00	240.00	30.00	SANDY SHALE / COAL 215'-217' / SANDY SHALE / COAL 230' / SAND	
240.00	270.00	30.00	SANDSTONE	
270.00	330.00	60.00	SAND / SANDY SHALE STR	
330.00	345.00	15.00	SAND / SANDY SHALE	335.2' W/ 10 3/4" CASING
345.00	365.00	20.00	SANDSTONE	
365.00	395.00	30.00	COAL / SAND / SANDY SHALE	
395.00	425.00	30.00	SANDY SHALE / SAND	
425.00	455.00	30.00	SANDSTONE	
455.00	485.00	30.00	SAND / SANDY SHALE	
485.00	515.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
515.00	545.00	30.00	SANDY SHALE	
545.00	575.00	30.00	SANDY SHALE / SAND	
575.00	605.00	30.00	SANDSTONE	
605.00	635.00	30.00	SAND / COAL STR / SANDY SHALE	
635.00	665.00	30.00	SANDY SHALE / COAL STR / SAND	
665.00	695.00	30.00	SAND / SANDY SHALE	
695.00	725.00	30.00	SANDSTONE	
725.00	755.00	30.00	SAND / COAL STR / SANDY SHALE	
755.00	785.00	30.00	SANDY SHALE / SAND	
785.00	815.00	30.00	COAL STR / SANDY SHALE	
815.00	845.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE	
845.00	875.00	30.00	SANDY SHALE	
875.00	905.00	30.00	SANDY SHALE / SAND	
905.00	935.00	30.00	SAND / SANDY SHALE / SAND	
935.00	965.00	30.00	SAND / SANDY SHALE / COAL 950'-954' / SANDY SHALE / SAND	
965.00	995.00	30.00	SAND / SANDY SHALE / SAND	
995.00	1025.00	30.00	SAND / SHALE STR / SAND	
1025.00	1055.00	30.00	SAND / SANDY SHALE	
1055.00	1085.00	30.00	SANDY SHALE / COAL W/ SHALE 1075'-1078' / SANDY SHALE	
1085.00	1115.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE	
1115.00	1145.00	30.00	SANDY SHALE / SAND STR	

FEB 27 2003

Mc Dow 1702

PAGE 2
 GEOMET OPERATING CO
 GPPC-050

FROM	TO	FT.	DESCRIPTION
1145.00	1175.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE
1175.00	1205.00	30.00	SANDY SHALE / SAND
1205.00	1235.00	30.00	SAND / SANDY SHALE STR / SAND
1235.00	1265.00	30.00	SANDY SHALE / SAND
1265.00	1295.00	30.00	SAND / SANDY SHALE
1295.00	1325.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE
1325.00	1355.00	30.00	SAND / SANDY SHALE
1355.00	1385.00	30.00	SAND / COAL STR / SANDY SHALE
1385.00	1415.00	30.00	SANDY SHALE / SAND
1415.00	1445.00	30.00	SAND / SANDY SHALE
1445.00	1475.00	30.00	SANDY SHALE
1475.00	1505.00	30.00	SANDY SHALE / SAND
1505.00	1535.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE
1535.00	1565.00	30.00	SAND / COAL STR / SAND
1565.00	1595.00	30.00	SAND / SANDY SHALE
1595.00	1625.00	30.00	SANDY SHALE
1625.00	1655.00	30.00	SANDSTONE
1655.00	1685.00	30.00	SANDY SHALE / SAND
1685.00	1715.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE
1715.00	1745.00	30.00	RED SHALE / SANDSTONE
1745.00	1775.00	30.00	SAND / SANDY SHALE / SAND
1775.00	1805.00	30.00	SAND / SANDY SHALE
1805.00	1835.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1835.00	1865.00	30.00	SANDY SHALE / SAND
1865.00	1895.00	30.00	RED SHALE / SAND / SANDY SHALE
1895.00	1925.00	30.00	RED SHALE / SAND
1925.00	1955.00	30.00	SAND / SANDY SHALE
1955.00	1985.00	30.00	SANDY SHALE / SAND / SANDY SHALE

1985.00 FT. TOTAL DEPTH
 21.55 FT. OF 13 3/8" CASING
 335.20 FT. OF 10 3/4" CASING

