

PROPOSED POND CREEK 109-109-044

S 79°25'04" E 86.32'
S 26°25'49" E 87.45'

12" WALNUT
20" WHITE OAK

REFERENCES	SCALE: 1"=100'
WELL COORDINATES WV STATE PLANE SOUTH ZONE NAD 1927 N. 116818.06 E. 1725297.21	

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

TEE Engineering Company, Inc.
320 Chillicothe Hill Court
Lexington, KY 40509
(606) 261-8330
Fax (606) 263-5345

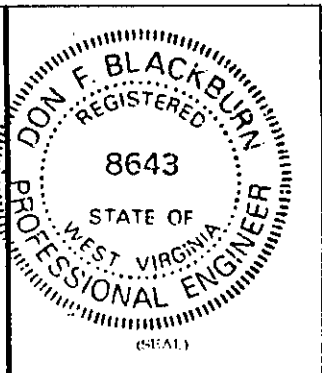
GeoMet Operating Company, Inc.
Well No. Pond Creek 109-109-044

FILE NO. 1883-08
DRAWING NO. WELL 44 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 109-109-044

WELL NO. 47 - 047 - 01700-C
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2,032.16' WATERSHED RIGHT FORK OF 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 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 1,880'
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 SEP 05 2002

Mc Dow 1700-C

(383)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

AB

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands, L.P. OPERATOR WELL NO.: PC #44

LOCATION:

Elevation: 2,032.16' Quadrangle: Bradshaw

District: Big Creek County: McDowell
Latitude: 6,623 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 5,498 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: 5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244	13-3/8"	23'	23'	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	8-5/8"	725'	725'	299/Pumped 240
Date Permit Issued: <u>September 3, 2002</u>				
Date Well Work Commenced: <u>October 7, 2002</u>	5-1/2"	1793.18'	1793.18'	311/Pumped 390
Date Well Work Completed: <u>December 9, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1880'</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):

736/772/895/897/898/900/1036/1037/1039/1078/1080/1123/1183/1252/1281/1283/1284/1286/1317/1319/1355/1438/1504/1507/1545/1557/1828

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 180 psig (surface pressure) after 96

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 Dye
February 20, 2003

MAR 28 2003

MCDOWELL 1700

API #: 47-4701700

Operator Well #: PC #044

Farm Name: Plum Creek Timberlands, L.P.

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

1st Stage:

Perf P3, 1503' – 1505' & frac on 12/09/02 by Superior with 70Q Foam 26,500# 16/30 Sand, 361,000 SCF N2, 176 Total Bbls Fluid. Breakdown Pressure 3244 PSIG, Average Pressure 3060 PSI, 1400 ISIP

2nd Stage:

Perf P5, 1354' – 1357' & frac on 12/09/02 by Superior with 70Q Foam 22,000# 16/30 Sand, 201,000 SCF N2, 167 Total Bbls Fluid. Breakdown Pressure 2672 PSIG, Average Pressure 2470 PSI, 1372 ISIP

3rd Stage:

Perf P6, 1317' – 1320' & frac on 12/09/02 by Superior with 70Q Foam 26,500# 16/30 Sand, 262,000 SCF N2, 190 Total Bbls Fluid. Breakdown Pressure 3059 PSIG, Average Pressure 3055 PSI, 1785 ISIP

4th Stage:

Perf P9, 1282' – 1286' & frac on 12/09/02 by Superior with 70Q Foam 37,500# 16/30 Sand, 238,000 SCF N2, 233 Total Bbls Fluid. Breakdown Pressure 2762 PSIG, Average Pressure 2280 PSI, 1432 ISIP

5th Stage:

Perf P9-4, 1250' – 1253' & frac on 12/09/02 by Superior with 70Q Foam 4,000# 16/30 Sand, 159,000 SCF N2, 143 Total Bbls Fluid. Breakdown Pressure 2840 PSIG, Average Pressure 3580 PSI, 1510 ISIP

6th Stage:

Perf P9-6, 1123' – 1126' & frac on 12/09/02 by Superior with 70Q Foam 22,000# 16/30 Sand, 196,000 SCF N2, 176 Total Bbls Fluid. Breakdown Pressure 3487 PSIG, Average Pressure 2090 PSI, 1009 ISIP

7th Stage:

Perf P9-8, 1072' – 1075' & frac on 12/09/02 by Superior with 70Q Foam 26,500# 16/30 Sand, 210,000 SCF N2, 200 Total Bbls Fluid. Breakdown Pressure 2444 PSIG, Average Pressure 2810 PSI, 963 ISIP

8th Stage:

Perf P10, 1035' – 1039' & frac on 12/09/02 by Superior with 70Q Foam 36,000# 16/30 Sand, 247,000 SCF N2, 209 Total Bbls Fluid. Breakdown Pressure 2370 PSIG, Average Pressure 2475 PSI, 1615 ISIP

9th Stage:

Perf P10-5, 896' – 900' & frac on 12/09/02 by Superior with 70Q Foam 50,700# 16/30 Sand, 182,000 SCF N2, 238 Total Bbls Fluid. Breakdown Pressure 2775 PSIG, Average Pressure 2162 PSI, 1060 ISIP

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO. HOLE NO.: GPPC-044

LOCATION: BUG HURLEY HOLLOW DRILL: RIG # 23

DATE STARTED: 10-04-2002 DATE COMPLETED: 10-08-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	1.00	1.00	OVERBURDEN	
1.00	23.00	22.00	BROWN SAND / SANDY SHALE	
23.00	30.00	7.00	SANDSTONE	23.2' W/ 13 3/8" CASING
30.00	61.00	31.00	SANDY SHALE / SAND	
61.00	123.00	62.00	SANDSTONE	
123.00	154.00	31.00	SANDY SHALE / COAL STR / SAND	
154.00	185.00	31.00	SANDSTONE	
185.00	215.00	30.00	SANDY SHALE / SAND	
215.00	245.00	30.00	SAND / COAL STR / SAND	
245.00	275.00	30.00	SAND / SANDY SHALE	
275.00	305.00	30.00	SANDY SHALE / COAL STR / SAND	
305.00	365.00	60.00	SANDSTONE	
365.00	395.00	30.00	SAND	
395.00	425.00	30.00	SAND / SANDY SHALE / COAL STR	415'
425.00	455.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
455.00	485.00	30.00	SANDY SHALE / COAL	470' / SAND
485.00	515.00	30.00	SAND / COAL	505' / SANDY SHALE
515.00	545.00	30.00	SANDY SHALE / COAL	530'-532' / SAND
545.00	575.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
575.00	605.00	30.00	SANDY SHALE / COAL	585'-587' / SANDY SHALE / SAND
605.00	635.00	30.00	SAND / SANDY SHALE	
635.00	665.00	30.00	SANDY SHALE / COAL	653'-655' / SAND
665.00	695.00	30.00	SAND / SANDY SHALE STR	
695.00	725.00	30.00	SAND / SANDY SHALE / COAL	715'
725.00	750.00	25.00	SANDY SHALE / COAL	740'-742' / SANDY SHALE / SAND STR
750.00	780.00	30.00	SANDY SHALE / COAL	770'-772' / SANDY SHALE / SAND STR
780.00	810.00	30.00	SANDY SHALE / SAND	
810.00	840.00	30.00	SANDY SHALE STR / SAND	
840.00	870.00	30.00	SAND / SHALE STR / SAND	
870.00	900.00	30.00	SANDY SHALE / COAL STR	880' / SAND / COAL 894'-900'
900.00	960.00	60.00	SANDY SHALE / SAND	
960.00	990.00	30.00	SAND / SANDY SHALE / SAND	
990.00	1020.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
1020.00	1050.00	30.00	SANDY SHALE / COAL	1030'-1034' / SANDY SHALE / SAND STR
1050.00	1080.00	30.00	SANDY SHALE / SAND STR /	COAL 1065', 1070', 1073' / SANDY SHALE

MAR 28 2003

M-Dow 1700

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 GEOMET OPERATING CO.
 GPPC-044

FROM	TO	FT.	DESCRIPTION
1080.00	1110.00	30.00	SANDY SHALE
1110.00	1140.00	30.00	SAND / COAL 1120'-1122'/ SAND
1140.00	1170.00	30.00	SANDY SHALE / SAND
1170.00	1200.00	30.00	SANDY SHALE / COAL 1185'/ SAND
1200.00	1230.00	30.00	SANDY SHALE
1230.00	1260.00	30.00	SAND / COAL 1240'-1241'/ SAND
1260.00	1290.00	30.00	SANDY SHALE / COAL 1275'-1279'/ SAND
1290.00	1320.00	30.00	SAND / COAL 1310'-1313'/ SAND
1320.00	1350.00	30.00	SANDY SHALE / COAL 1347'-1349'
1350.00	1380.00	30.00	SANDY SHALE / SAND
1380.00	1410.00	30.00	SANDY SHALE / COAL STR 1400'/ SAND
1410.00	1440.00	30.00	SAND / SANDY SHALE / COAL STR 1430'/ SAND
1440.00	1470.00	30.00	SANDY SHALE
1470.00	1500.00	30.00	SAND / SANDY SHALE
1500.00	1530.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1530.00	1590.00	60.00	SAND / SANDY SHALE
1590.00	1620.00	30.00	SANDY SHALE / SAND / SHALE STR
1620.00	1650.00	30.00	SANDY SHALE / SAND / SHALE
1650.00	1680.00	30.00	SHALE / SANDY SHALE / SHALE
1680.00	1710.00	30.00	SAND / SANDY SHALE / SAND
1710.00	1740.00	30.00	SANDY SHALE
1740.00	1770.00	30.00	SANDY SHALE / SAND
1770.00	1800.00	30.00	SAND / SANDY SHALE / POSS. RED SHALE
1800.00	1830.00	30.00	SANDY SHALE / RED SHALE / SANDY SHALE
1830.00	1860.00	30.00	SANDY SHALE / RED SHALE
1860.00	1880.00	20.00	SANDY SHALE TD 8" DRILLING

1880.00 FT. TOTAL DEPTH
 23.20 FT. OF 13 3/8" CASING
 717.40 FT. OF 8 5/8" CASING
 1.00 EA 8 5/8" BASKET