

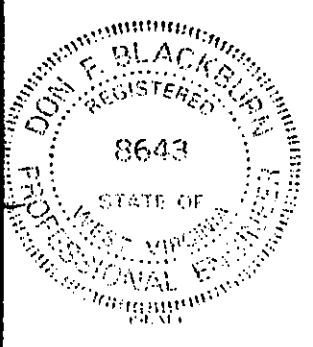
**TEE Engineering Company, Inc.**  
 320 Cokes Hill Court  
 Lexington, KY 40509  
 (606) 261-1100  
 Fax (606) 261-5115

**GeoMet Operating Company, Inc.**  
 Well No. Pond Creek 104-108-034  
 FILE NO. 1925-11  
 DRAWING NO. WELL 34 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.F. 8643 R.P.S.



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

DATE: FEBRUARY 5, 2002  
 OPERATOR'S WELL NO. POND CREEK 104-108-034  
 API WELL NO. 47 STATE COUNTY 01628C PERMIT

WELL TYPE: OIL CAS X CBM LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW  
 LOCATION: ELEVATION 2,037.38' WATER SHEED ADLRICH 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 1895'  
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT GREGG CLEARY MAR 15 2002  
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 BIRMINGHAM, ALABAMA 35244 ADDRESS 1105 HEATHERWOOD ROAD BLUEFIELD, WV 24701

McDow 1628C

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

*AGB*

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands

OPERATOR WELL NO.: PC #034

LOCATION:

Elevation: 2,037.38' Quadrangle: Bradshaw

District: Sandy River County: McDowell  
Latitude: 5,182 Feet South of 37 Deg. 20 Min. 00 Sec.  
Longitude: 6,867 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>27'</u>	<u>27'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>329'</u>	<u>329'</u>	<u>136/Pumped 180</u>
Date Permit Issued: <u>March 12, 2002</u>				
Date Well Work Commenced: <u>June 20, 2002</u>	<u>5-1/2"</u>	<u>1944'</u>	<u>1944'</u>	<u>337/Pumped 429</u>
Date Well Work Completed: <u>September 25, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1990'</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>				

RECEIVED  
Office of Oil & Gas  
Permitting  
  
NOV 13 2002  
  
WV Department of  
Environmental Protection

Coal Depths (feet): 509/695/701/761/792/821/865/1117/1116/1170/1176/1216/1282/1356/1385/1432/1468/1558/1606/1718/1871/1884

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:

*Karen Rye*

BY:

12-18-2002

DATE:

JAN 17 2003

Mc Dow 1628C

API #: 47-01628C

Operator Well #: PC #034

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, 1720' – 1724' & frac on 09/25/02 by Superior with 70Q Foam 21,000# 16/30 Sand, 228,000 SCF N<sub>2</sub>, 190 Total Bbls Fluid. Breakdown Pressure 3326 PSIG, Average Pressure 2540 PSI, 1365 ISIP

2<sup>nd</sup> Stage:

Perf P3, 1608' – 1614' & frac on 09/25/02 by Superior with 70Q Foam 21,000# 16/30 Sand, 262,000 SCF N<sub>2</sub>, 214 Total Bbls Fluid. Breakdown Pressure 3500 PSIG, Average Pressure 2630 PSI, 1260 ISIP

3<sup>rd</sup> Stage:

Perf P4, 1560' – 1564' & frac on 09/25/02 by Superior with 70Q Foam 31,000# 16/30 Sand, 378,000 SCF N<sub>2</sub>, 238 Total Bbls Fluid. Breakdown Pressure 2983 PSIG, Average Pressure 3060 PSI, 1330 ISIP

4<sup>th</sup> Stage:

Perf P5, 1470' – 1472' & frac on 09/25/02 by Superior with 70Q Foam 21,000# 16/30 Sand, 269,000 SCF N<sub>2</sub>, 190 Total Bbls Fluid. Breakdown Pressure 2825 PSIG, Average Pressure 2890 PSI, 1530 ISIP

5<sup>th</sup> Stage:

Perf P6, 1434' – 1438' & frac on 09/25/02 by Superior with 70Q Foam 17,000# 16/30 Sand, 198,000 SCF N<sub>2</sub>, 167 Total Bbls Fluid. Breakdown Pressure 3520 PSIG, Average Pressure 2490 PSI, 2030 ISIP

6<sup>th</sup> Stage:

Perf P6-5, 1387' – 1391' & frac on 09/25/02 by Superior with 70Q Foam 26,000# 16/30 Sand, 386,000 SCF N<sub>2</sub>, 226 Total Bbls Fluid. Breakdown Pressure 3022 PSIG, Average Pressure 3010 PSI, 2500 ISIP

7<sup>th</sup> Stage:

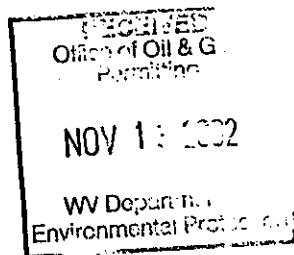
Perf P-6, 1218' – 1220' & frac on 09/25/02 by Superior with 70Q Foam 10,200# 16/30 Sand, 197,000 SCF N<sub>2</sub>, 167 Total Bbls Fluid. Breakdown Pressure 3162 PSIG, Average Pressure 3211 PSI, 1930 ISIP

8<sup>th</sup> Stage:

Perf P9-9, 1169' – 1175' & frac on 09/25/02 by Superior with 70Q 35,300# 16/30 Sand, 387,000 SCF N<sub>2</sub>, 226 Total Bbls Fluid, Breakdown Pressure 2896 PSIG, Average Pressure 2890 PSI, 1450 ISIP

9<sup>th</sup> Stage:

Perf P10, 1120' – 1124' & frac on 09/25/02 by Superior with 70Q Foam 25,800# 16/30 Sand, 236,000 SCF N<sub>2</sub>, 167 Total Bbls Fluid. Breakdown Pressure 2588 PSIG, Average Pressure 2580 PSI, 1805 ISIP



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

**COMPANY: GEOMET OPERATING CO.      HOLE NO.: GPPC-034**

**LOCATION: PEA PATCH                      DRILL: RIG # 45**

**DATE STARTED: 06-20-2002              DATE COMPLETED: 06-25-2002**

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	27.00	27.00	OVERBURDEN	27' W/ 13 3/8" CASING
27.00	37.00	10.00	SAND	
37.00	68.00	31.00	SANDY SHALE	
68.00	99.00	31.00	SAND	
99.00	250.00	151.00	SANDY SHALE / COAL	
250.00	360.00	110.00	SANDY SHALE	329' W/ 8 5/8" CASING
360.00	420.00	60.00	SAND	
420.00	480.00	60.00	SANDY SHALE	
480.00	510.00	30.00	SAND	
510.00	600.00	90.00	SANDY SHALE	
600.00	630.00	30.00	SAND	
630.00	720.00	90.00	SANDY SHALE / COAL	
720.00	750.00	30.00	SANDY SHALE	
750.00	780.00	30.00	SANDY SHALE / COAL	762'-763' / SAND ✓
780.00	810.00	30.00	SAND / COAL	793'-795' / SANDY SHALE ✓
810.00	840.00	30.00	SANDY SHALE / COAL	STR 815' / SAND / SANDY SHALE
840.00	870.00	30.00	SANDY SHALE / S AND STR	COAL 866'-868' ✓
870.00	930.00	60.00	SAND STR / SANDY SHALE	
930.00	960.00	30.00	SAND / SANDY SHALE	
960.00	990.00	30.00	SANDY SHALE STR / SAND	
990.00	1020.00	30.00	SAND / SANDY SHALE STR	
1020.00	1050.00	30.00	SAND / SANDY SH STR	POSS. COAL STR 1035'
1050.00	1080.00	30.00	SAND / SANDY SHALE / COAL	STR 1078'
1080.00	1110.00	30.00	SANDSTONE / SANDY SHALE	STR
1110.00	1140.00	30.00	SAND STR / COAL	1115'-1118' / SANDY SHALE ✓
1140.00	1170.00	30.00	SANDY SHALE / SAND STR	COAL 1160'-1162' / ✓ SHALE STR
1170.00	1200.00	30.00	SANDY SHALE / COAL	1183'-1185' / SANDY ✓ SHALE
1200.00	1230.00	30.00	SANDY SHALE / COAL	1220'-1222' / SAND STR ✓
1230.00	1260.00	30.00	SANDSTONE / SHALE	STR / COAL
1260.00	1290.00	30.00	SAND / COAL	1278'-1280' / SANDY SHALE ✓
1290.00	1320.00	30.00	SANDY SHALE / SAND	
1320.00	1350.00	30.00	SAND / POSS. COAL	1335' / SANDY SHALE
1350.00	1380.00	30.00	SANDY SHALE / SAND	
1380.00	1420.00	40.00	SAND / SANDY SHALE / COAL	1383'-1385' ✓
1420.00	1450.00	30.00	SANDY SHALE / SAND STR	COAL 1437'-1440' / ✓ SHALE
1450.00	1480.00	30.00	SAND STR / SANDY SHALE	COAL 1475'-1477' / SHALE
1480.00	1510.00	30.00	SANDY SHALE / SAND / SANDY SHALE	

**NOV 13 2002**  
 WV Department of  
 Environmental Protection

JAN 17 2003

M-Dow 1028 C

FROM	TO	FT.	DESCRIPTION
1510.00	1540.00	30.00	SANDY SHALE / SAND
1540.00	1570.00	30.00	SAND / SANDY SHALE / COAL 1565'-1568' / SHALE ✓
1570.00	1600.00	30.00	SANDY SHALE
1600.00	1630.00	30.00	SANDY SHALE / COAL 1615'-1619' / SAND STR ✓
1630.00	1660.00	30.00	SAND STR / SANDY SHALE
1660.00	1690.00	30.00	SANDY SHALE / POSS. COAL 1685'-1687' / SAND
1690.00	1720.00	30.00	SAND / POSS. COAL 1703'-1706' / SANDY SHALE
1720.00	1750.00	30.00	SANDY SHALE / BLACK SHALE / SANDY SHALE
1750.00	1780.00	30.00	SANDY SHALE / SAND
1780.00	1810.00	30.00	SANDY SHALE STR / SANDSTONE
1810.00	1840.00	30.00	SANDSTONE
1840.00	1870.00	30.00	SAND
1870.00	1900.00	30.00	SANDY SHALE / RED SHALE
1900.00	1930.00	30.00	SANDY SHALE
1930.00	1960.00	30.00	SANDY SHALE / RED SHALE
1960.00	1990.00	30.00	SAND TD 7 7/8" HOLE

1990.00 FT. TOTAL DEPTH  
 27.00 FT. OF 13 3/8" CASING  
 329.00 FT. OF 8 5/8" CASING

