

TEE Engineering Company, Inc.
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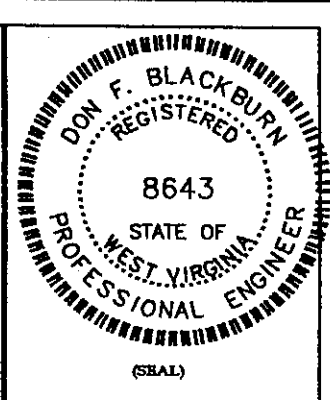
GeoMet Operating Company, Inc.
Well No. Pond Creek 102-104-122

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. WELL POND CREEK 122 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 MARCH 9, 2004
 OPERATOR'S WELL NO. POND CREEK 102-104-122

WELL NO. 47 - 047 - 019180
 NO. STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2,337.26' NORTHING 106743.50 EASTING 1759582.62
 DISTRICT SANDY RIVER WATER SHED DRY MONDAY BRANCH OF SLATE CREEK
 QUADRANGLE BRADSHAW COUNTY MCDOWELL

SURFACE OWNER PLUM CREEK TIMBERLANDS L.P. ACREAGE 9,907.37
 CBM ROYALTY OWNER PLUM CREEK TIMBERLANDS L.P. LEASE ACREAGE 9,907.37
 LEASE NO. _____ RECORDING IN PROGRESS _____

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR
 STIMULATE X PLUG OFF OLD FORMATION _____ PEFORATE NEW
 FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION NEW RIVER AND POCAHONTAS COALS ESTIMATED DEPTH 2,104'
 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

(Bradshaw 270) 6-6

APR 30 2004

Mr Dow 1918 C

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 LP

OPERATOR WELL NO.: PC 102-104-122

LOCATION:

Elevation: 2,337.26'

Quadrangle: Bradshaw

District: Sandy River

County: McDowell

Latitude: 10,094 Feet South of 37

Deg. 17 Min. 30 Sec.

Longitude: 537 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>45'</u>	<u>45'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Carlos Hively</u>	<u>8-5/8"</u>	<u>499'</u>	<u>499'</u>	<u>75 / Pumped 108</u>
Date Permit Issued: <u>April 26, 2004</u>				
Date Well Work Commenced: <u>June 8, 2004</u>	<u>5-1/2"</u>	<u>2090'</u>	<u>2090'</u>	<u>249.5 / Pumped 286</u>
Date Well Work Completed: <u>August 3, 2004</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2110'</u>				
Fresh Water Depth (feet): <u>Unknown</u>				
Salt Water Depth (feet): <u>Unknown</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (feet): <u>627, 776, 855, 979, 1045, 1093, 1272, 1336, 1337, 1385, 1394, 1408, 1434, 1493, 1563, 1578, 1609, 1636, 1694, 1696, 1777, 1778, 1779</u>				

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 Oil: 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 Hours

SEP 2 4 2004

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 WELL

SIGNED: _____
 BY: [Signature]
 DATE: _____

RECEIVED
 Office of Oil & Gas
 Office of Chief
 AUG 17 2004
 WV Department of
 Environmental Protection

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DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: GEOMET HOLE #: PC-122
 LOCATION: RIGHT FORK-BUG HURLEY DRILL RIG #: 94
 DATE STARTED: 06-07-04 DATED COMPLETED: 06-10-04
 ELECTRIC LOGGED: YES GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	22	22	OVERBURDEN	
22	45	23	SOFT SANDY SHALE / COAL / SAND STONE	
45	64	19	45.4' W/ 13 3/8" CASING SAND STONE / SANDY SHALE / COAL STR	
64	126	62	SAND STONE / SANDY SHALE STR	
126	160	34	SAND STONE / SANDY SHALE STR / COAL STR	
160	190	30	SAND / COAL / SANDY SHALE	
190	220	30	SANDY SHALE / SAND	
220	250	30	SAND	
250	280	30	SANDY SHALE / COAL / SAND	
280	310	30	SAND	
310	340	30	SAND / SANDY SHALE	
340	400	60	SANDY SHALE / SAND	
400	430	30	SAND	
430	460	30	SANDY SHALE / COAL / SHALE / SAND	
460	490	30	SANDY SHALE / SAND	
490	510	20	SAND 498' W/ 8 5/8" CASING	
510	540	30	SANDY SHALE / COAL-2 / SAND STONE	
540	570	30	SAND STONE / SANDY SHALE / SAND STONE	
570	600	30	SANDY SHALE / SAND STONE / SANDY SHALE	
600	630	30	SANDY SHALE / SAND STONE / 3FT COAL / SAND STONE	
630	660	30	SAND STONE / SANDY SHALE / COAL STR / SAND STONE	
660	690	30	SAND STONE / SANDY SHALE STR	
690	720	30	SAND STONE / SANDY SHALE	
720	780	60	SANDY SHALE	
780	810	30	SANDY SHALE / SAND STONE	
810	840	30	SAND STONE / SANDY SHALE STR	
840	870	30	SANDY SHALE / 2 COAL STR	
870	900	30	SAND STONE / SANDY SHALE	
900	930	30	SAND / SANDY SHALE	
930	960	30	SANDY SHALE / SAND	
960	990	30	SANDY SHALE / COAL / SHALE / SAND	
990	1020	30	SAND	
1020	1050	30	SAND / COAL / SANDY SHALE	
1050	1080	30	SANDY SHALE	

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 GEOMET OPERATING CO
 POND CREEK 122

FROM	TO	FT.	DESCRIPTION
1080	1110	30	SHALE / COAL / SANDY SHALE
1110	1170	60	SANDY SHALE
1170	1200	30	SANDY SHALE / COAL / SAND / SANDY SHALE
1200	1230	30	SANDY SHALE / SAND / SANDY SHALE
1230	1260	30	SANDY SHALE / SAND
1260	1290	30	SAND / SANDY SHALE / COAL / SANDY SHALE
1290	1320	30	SANDY SHALE
1320	1350	30	SANDY SHALE / COAL / SANDY SHALE
1350	1380	30	SHALE / SAND / COAL / SHALE
1380	1410	30	SHALE / SAND
1410	1440	30	SANDY SHALE / COAL / SHALE / SAND
1440	1470	30	SANDY SHALE / SAND
1470	1500	30	SAND / COAL / SAND
1500	1530	30	SAND
1530	1560	30	SANDY SHALE / SAND
1560	1590	30	SAND STONE / COAL 2 / SANDY SHALE / SAND STONE
1590	1620	30	SANDY SHALE / 5 FT COAL / SAND STONE
1620	1650	30	SAND STONE STR / COAL 2 / SANDY SHALE / COAL STR
1650	1680	30	SAND STONE / COAL STR / SANDY SHALE / SAND STONE
1680	1710	30	SANDY SHALE / COAL STR / SANDY SHALE / SAND SHALE
1710	1740	30	SAND STONE / SHALE STRKS
1740	1770	30	SAND STONE / SANDY SHALE / 3 COAL
1770	1800	30	COAL 2 / SAND SHALE / COAL STR / SAND STONE
1800	1860	60	SAND STONE / SANDY SHALE / SAND STONE
1860	1890	30	SAND STONE / SANDY SHALE STR / POSS COAL STR
1890	1920	30	SANDY SHALE / SAND STONE W / SHALE STR
1920	1955	35	SANDY SHALE / COAL STR / SAND STONE
1955	2015	60	SAND
2015	2045	30	HARD SAND 2069.35' W/ 5 1/2" CASING
2045	2105	60	SAND TD 7 7/8" HOLE

2105.00 FT. TOTAL DEPTH
 45.40 FT. OF 13 3/8" CASING
 498.00 FT. OF 8 5/8" CASING
 2069.35 FT. OF 5 1/2" CASING

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GeoMet Operating Company, Inc. Perforation and Frac Volume Specification

Well Name Pond Creek 122

PBTD

2090'

Zone and Perforation Table

Frac Stage	Interval		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	Start	End				
Stage 1 Interval	1777'	1779'	No Ball Out 30 Perf Balls on Plug @ 1750'		25,000	26,000
N2 Scf	1812'	1822'				
Acid	322,000					
Gel Volume	250	15%				
ISIP	11,382	GAL				
ATP	1,451					
AIR	2,765					
	26	BPM				
Stage 2 Interval	1693'	1696'	1718' - 1720' Balled Out 24 Perf Balls on Plug @ 1660'		15,000	16,700
N2 Scf	212,000					
Acid	500	15%				
Gel Volume	6,846	GAL				
ISIP	1,510					
ATP	2,487					
AIR	27	BPM				
Stage 3 Interval	1608'	1610'	1635' - 1637' 36 Perf Balls on Plug @ 1590'		18,000	20,000
N2 Scf	244,000					
Acid	500	7.5%				
Gel Volume	8,610	GAL				
ISIP	1,258					
ATP	2,438					
AIR	30	BPM				
Stage 4 Interval	1492'	1494'	1563' - 1565'/1577' - 1579' Balled Out 60 Balls on Plug @ 1460'		12,000	13,000
N2 Scf	178,000					
Acid	400	15%				
Gel Volume	5,838	GAL				
ISIP	1,333					
ATP	2,403					
AIR	26	BPM				
Stage 5 Interval	1368'	1370'	1384' - 1386'/1394' - 1396' 1407' - 1409'/1433' - 1435' Balled Out No Balls on Plug @ 1355'		30,000	30,000
N2 Scf	398,000					
Acid	300	15%				
Gel Volume	9,156					
ISIP	1,156					
ATP	2,882					
AIR	30	BPM				

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Well Name Pond Creek 122

PBTD

2090'

Zone and Perforation Table

Stage Interval	1336'	1338'	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	1336'	1338'				
N2 Scf	306,000		No Plug		25,000	27,000
Acid	150	15%				
Gel Volume	6,460					
ISIP	1,117					
ATP	2,364					
AIR	27	BPM				
Stage 7 Interval	854'	856'				
N2 Scf	188,000		978' - 980'/1045' - 1047' 1092' - 1094' Balled Out		15,000	20,000
Acid	400					
Gel Volume	5,880					
ISIP	4,000					
ATP	2,014					
AIR	26	BPM				
Stage 8 Interval						
N2 Scf			SEP 24 2004			
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 9 Interval						
N2 Scf			SEP 24 2004			
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 10 Interval						
N2 Scf			SEP 24 2004			
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				

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