

TEE Engineering Company, Inc.
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 Lexington, KY 40509
 (859) 263-5330
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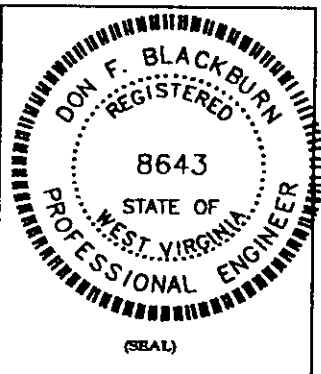
GeoMet Operating Company, Inc.
 Well No. Pond Creek 114-106-109

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. POND CREEK 109 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 20, 2003
 OPERATOR'S WELL NO. POND CREEK 114-106-109

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

LOCATION: ELEVATION 1,790.90' NORTHING 111536.57 EASTING 1766173.11
 DISTRICT BIG CREEK WATER SHED STRAIGHT FORK OF LITTLE SLATE CREEK
 QUADRANGLE WAR 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 1,745'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 BIRMINGHAM, ALABAMA 35244
 ADDRESS 330 HARPER PARK DRIVE SUITE A BECKLEY, WV 25801

(Blackburn 070)

JUL 18 2003

JUL 9 2003

McDowell 1812C

RECEIVED
Office of Oil & Gas
JAN 09 2004
WV Department of
Environmental Protection

DATE: January 7, 2004
API #: 47-4701812

MS

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 OPERATOR WELL NO.: PC 114-106-109

LOCATION:
Elevation: 1,790.90 Quadrangle: War

District: Big Creek County: McDowell
Latitude: 7,784 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 10,690 Feet West of 81 Deg. 42 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>16"</u>	<u>34'</u>		
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Carlos Hively</u>				
Date Permit Issued:	<u>11-3/4"</u>	<u>326'</u>	<u>326'</u>	<u>196 / Pumped 150</u>
Date Well Work Commenced: <u>Sept. 20, 2003</u>				
Date Well Work Completed: <u>October 2, 2003</u>	<u>8-5/8"</u>	<u>565'</u>	<u>565'</u>	<u>127 / Pumped 108</u>
Verbal Plugging:				
Date Permission granted on: <u>July 16, 2003</u>	<u>5-1/2"</u>	<u>1522'</u>	<u>1522'</u>	<u>264 / Pumped 325</u>
Rotary <u>XXXX</u> Cable <u>Rig</u>				
Total Depth (feet): <u>1464'</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): 578, 587, 615, 724, 801, 968, 969, 1009, 1101, 1102, 1175, 1295, 1762.

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 19 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: [Signature]
BY: Dundrea Smith
DATE: 1-7-04

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FEB 20 2004

**GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification**

Well Name Pond Creek 109 PBTB 1464'

Zone and Perforation Table

Frac Stage 1 Interval			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	1234	1236				
N2 Scf	261,000		1294-1297 Ball Out 1200'		20,000	21,000
Acid	450					
Gel Volume	10,000					
ISIP	1,448					
ATP	2,568					
AIR	30	BPM				
Stage 2 Interval	1,100	1103				
N2 Scf	382,000		1060'			
Acid	250					
Gel Volume	8,300					
ISIP	1,248					
ATP	2,742					
AIR	30	BPM				
Stage 3 Interval	1,008	1011				
N2 Scf	258,000		985'			
Acid	250					
Gel Volume	5,800					
ISIP	1,203					
ATP	2,380					
AIR	29	BPM				
Stage 4 Interval	967	970				
N2 Scf	242,000		24 Frac Balls On Plug @ 850'			
Acid	250					
Gel Volume	6,800					
ISIP	1,228					
ATP	2,511					
AIR	28	BPM				
Stage 5 Interval	723	725				
N2 Scf	236,000		745-747 Ball Out 660'			
Acid	450					
Gel Volume	8,200					
ISIP	1,526					
ATP	2,511					
AIR	32	BPM				

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Well Name Pond Creek 109

PBTD 1464'

Zone and Perforation Table

Stage Interval	613	616	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval						
N2 Scf	121,000		No Plug		20,000	2,100
Acid	200					
Gel Volume	4,600					
ISIP	867					
ATP	1,750					
AIR	16	BPM				
Stage 7 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 8 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 9 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 10 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR						

DRILL DATA HOLE - NOAH HORN WELL DRILLING INC

COMPANY: GEOMET OPERATONG CO

HOLE NO.: PC-109

LOCATION: BUG HURLEY HOLLOW

DRILL: RIG # 23

DATE STARTED: 09-18-2003

DATE COMPLETED: 09-24-03

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION VOIDS ETC	
0	34	34	OVERBURDEN	34' W/ 16" CASING
34	86	52	SANDSTONE	
86	116	30	SANDY SHALE / SANDSTONE	
116	146	30	COAL STR / SANDSTONE	
146	176	30	SANDSTONE / SANDY SHALE / SANDSTONE	
176	206	30	SANDSTONE	
206	236	30	SANDSTONE / COAL STR / SANDSTONE	
236	266	30	SANDSTONE / SANDY SHALE STR / SANDSTONE	
266	296	30	SANDSTONE	
296	326	30	SANDSTONE / SANDY SHALE STR / SANDSTONE	
326	356	30	SANDY SHALE	326' W/ 11 3/4" CASING
356	380	24	SANDSTONE / COAL STR / SANDSTONE	
380	410	30	SANDY SHALE / SANDSTONE	
410	440	30	SANDSTONE / SANDY SHALE	
440	470	30	SANDY SHALE / SANDSTONE / SANDY SHALE	
470	500	30	SANDY SHALE / SANDY SHALE	
500	560	60	SANDY SHALE / SANDSTONE	
560	590	30	SANDSTONE	565' W/ 8 5/8" CASING
590	620	30	SANDSTONE / SANDY SHALE	
620	650	30	COAL-2 / SANDY SHALE	
650	680	30	SANDY SHALE / SANDSTONE	
680	710	30	SANDSTONE / SANDY SHALE / COAL STR	
710	740	30	SANDY SHALE	
740	770	30	SANDY SHALE / SANDSTONE / COAL 2	
770	800	30	SANDSTONE / SANDY SHALE	
800	830	30	SANDY SHALE	
830	860	30	SANDY SHALE / SANDSTONE	
860	890	30	SANDSTONE / COAL STR / SANDY SHALE	
890	920	30	SANDY SHALE	
920	950	30	SANDSTONE / SANDY SHALE	
950	980	30	SANDSTONE / COAL STR	
980	1010	30	SANDSTONE / SANDY SHALE	
1010	1040	30	SANDY SHALE / COAL STR	
1040	1070	30	SANDY SHALE / SANDSTONE	
1070	1100	30	SANDSTONE / COAL STR / SANDSTONE	
1100	1130	30	SANDSTONE / SANDY SHALE	
1130	1160	30	SANDY SHALE / SANDSTONE / COAL STR	
1160	1190	30	COAL STR / SANDSTONE	
1190	1220	30	SANDSTONE / SANDY SHALE	
1220	1250	30	SANDY SHALE / SANDSTONE	
1250	1280	30	COAL 2 / SANDY SHALE / SANDSTONE	

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 GEOMET OPERATING CO
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FROM	TO	FT.	DESCRIPTION
1280	1310	30	SANDY SHALE / COAL 3 / SANDSTONE
1310	1340	30	SANDY SHALE / SANDSTONE
1340	1370	30	SANDY SHALE
1370	1400	30	SANDSTONE
1400	1430	30	SANDSTONE / SANDY SHALE
1430	1460	30	SANDY SHALE / COAL STR / SANDSTONE
1460	1490	30	SANDY SHALE / SANDSTONE
1490	1520	30	SANDSTONE / COAL STR / SANDY SHALE
			1521' W/ 5 1/2" CASING
1520	1580	60	SANDY SHALE / SANDSTONE
1580	1610	30	SANDSTONE / SANDY SHALE
1610	1640	30	SANDY SHALE / SANDSTONE
1640	1670	30	SANDSTONE / SANDY SHALE
1670	1700	30	SANDY SHALE / SANDSTONE
1700	1730	30	SANDSTONE / RED SHALE 10 / SANDY SHALE
1730	1760	30	SANDY SHALE TD 7 7/8" HOLE

1760.00 FT. TOTAL DEPTH
 34.00 FT. OF 16" CASING
 326.00 FT. OF 11 3/4" CASING
 565.00 FT. OF 8 5/8" CASING
 1521.00 FT. OF 5 1/2" CASING