

TEE Engineering Company, Inc.
 320 Coburn Hill Court
 Lexington, KY 40509
 (609) 263-5350
 Fax (609) 263-5345

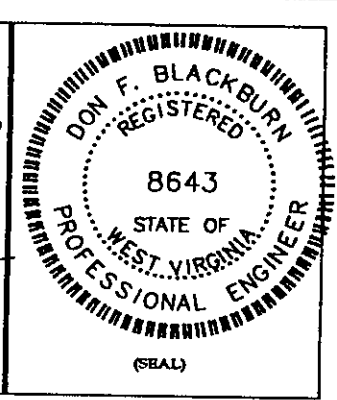
GeoMet Operating Company, Inc.
Well No. Pond Creek 116-106-111

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. POND CREEK 111 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 APRIL 15, 2003
 OPERATOR'S WELL NO. POND CREEK 116-106-111

WELL NO. 47 - 047 - 01809-C
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,917.32' NORTHING 111725.59 EASTING 1789606.56
 DISTRICT BIG CREEK WATER SHED 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 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 1670
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 ADDRESS 330 HARPER PARK DRIVE SUITE A
BIRMINGHAM, ALABAMA 35244 BECKLEY, WV 25801

(Blackburn 270)

JUN 2 9 2003

M. Dow 1809-C

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

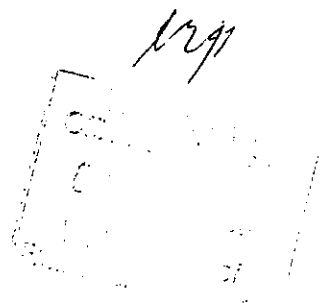
Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands OPERATOR WELL NO.: 116-106-111

LOCATION:

Elevation: 1,436.99' Quadrangle: War

District: Big Creek County: McDowell
Latitude: 4.352 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 10.474 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>26.85'</u>	<u>26.85'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>662'</u>	<u>662'</u>	<u>149/Pumped 192</u>
Date Permit Issued: <u>June 19, 2003</u>				
Date Well Work Commenced: <u>August 18, 2003</u>	<u>11-3/4"</u>	<u>330'</u>	<u>330'</u>	<u>198/Pumped 90</u>
Date Well Work Completed: <u>September 4, 2003</u>				
Verbal Plugging:	<u>5-1/2</u>	<u>1538'</u>	<u>1538'</u>	<u>267/Pumped 293</u>
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1561'</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): 692, 734, 735, 759, 828, 905, 1022, 1023, 1069, 1117, 1131, 1201, 1271, 1276, 1277, 1353, 1387, 1555.

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 15 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: Andrea Smith
DATE: _____

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

Well Name Pond Creek 111

PBTD 1533

Zone and Perforation Table

Frac Stage 1 Interval			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	1352	1388				
N2 Scf	256,000		No Plug		25,000	25,800
Acid	200					
Gel Volume	10,620					
ISIP	1,150					
ATP	2,200					
AIR	28	BPM				
Stage 2 Interval	1,200	1203				
N2 Scf	245,000		Setting Tool@Plug @ 1290'			
Acid	500					
Gel Volume	8,387					
ISIP	1,160					
ATP	2,600					
AIR	25	BPM				
Stage 3 Interval	1,116	1119				
N2 Scf	206,000		Plug @ 1180'			
Acid	500					
Gel Volume	7,827					
ISIP	1,630					
ATP	2,300					
AIR	26	BPM				
Stage 4 Interval	1,068	1071				
N2 Scf	229,000		Plug @ 1100'			
Acid	700					
Gel Volume	7,715					
ISIP	2,480					
ATP	3,000					
AIR	24	BPM				
Stage 5 Interval	1,021	1024				
N2 Scf	232,000		Plug @ 1050'			
Acid	500					
Gel Volume	7,053					
ISIP	1,580					
ATP	3,100					
AIR	24	BPM				

Well Name Pond Creek 111

PBTD

1533

Zone and Perforation Table

	733	736	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval						
N2 Scf	233,000				25,000	27,400
Acid	500	15%				
Gel Volume	8,466					
ISIP	900					
ATP	1,800					
AIR	34	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 OPERATING CO HOLE: PC-111
LOCATION: BUG HURLEY HOLLOW DRILL: RIG # 23
DATE STARTED: 08-17-2003 DATE COMPLETED: 08-21-2003
ELECTRIC LOGGED: YES GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	26.85	26.85	OVERBURDEN	26.85' W/ 16" CASING
26.85	30	3.15	SANDSTONE	
30	55	25	SANDY SHALE	
55	57	2	COAL	
57	60	3	SANDSTONE	
60	80	20	SANDY SHALE	
80	82	2	COAL	
82	86.6	4.6	SHALE	
86.6	116	29.4	SANDY SHALE	
116	146	30	SANDSTONE	
146	166	20	SANDY SHALE	
166	167	1	COAL	
167	207	40	SANDSTONE	
207	237	30	SANDY SHALE	
237	267	30	COAL STR / SANDY SHALE / SANDSTONE	
267	297	30	SANDSTONE / SANDY SHALE	
297	327	30	SANDY SHALE / SANDSTONE	
327	335	8	SANDSTONE	330' W/ 11 1/4" CASING
335	340	5	SANDY SHALE	
340	407	67	SANDSTONE	
407	437	30	SANDSTONE / COAL STR / SANDY SHALE	
437	467	30	COAL 2/ SANDY SHALE / SANDSTONE	
467	497	30	SANDSTONE / COAL STR / SANDY SHALE	
497	527	30	SANDSTONE / SANDY SHALE	
527	557	30	SANDY SHALE / SANDSTONE	
557	587	30	SANDSTONE / SANDY SHALE / COAL	
587	617	30	SANDY SHALE / SANDSTONE	
617	677	60	SANDSTONE	662' W/ 8 5/8" CASING
677	770	93	SANDY SHALE	
770	800	30	SHALE	
800	830	30	SANDY SHALE	
830	832	2	COAL	
832	920	88	SANDSTONE	
920	950	30	SANDSTONE / SANDY SHALE / COAL 2	
950	980	30	SANDY SHALE / SANDSTONE	
980	1010	30	SANDSTONE / SANDY SHALE	
1010	1040	30	SANDY SHALE / COAL 3 / SANDY SHALE	
1040	1070	30	SANDY SHALE / SANDSTONE / COAL STR	
1070	1100	30	SANDSTONE / SANDY SHALE / COAL STR	
1100	1130	30	SANDY SHALE / SANDSTONE / COAL STR	

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 GEOMET OPERATING COMPANY
 PC-111

FROM	TO	FT.	DESCRIPTION
1130	1160	30	SANDY SHALE / SANDSTONE
1160	1190	30	SANDSTONE / SANDY SHALE / COAL STR
1190	1220	30	SANDY SHALE / COAL / SANDY SHALE
1220	1250	30	SANDY SHALE / SANDSTONE
1250	1280	30	SANDSTONE / SANDY SHALE / COAL 3
1280	1310	30	SANDY SHALE / COAL STR / SANDSTONE
1310	1340	30	SANDSTONE / COAL STR / SANDY SHALE
1340	1370	30	SANDY SHALE / SANDSTONE
1370	1400	30	SANDSTONE / COAL / SANDY SHALE
1400	1430	30	SANDY SHALE / SANDSTONE
1430	1460	30	SANDSTONE / SHALE / SANDSTONE
1460	1490	30	SANDSTONE / SANDY SHALE
1490	1520	30	SANDY SHALE / SHALE / SANDSTONE
1520	1538	18	1538' W/ 5 1/2" CASING TD 8" HOLE

1520.00 FT. TOTAL DEPTH
 26.85 FT. OF 16" CASING
 330 FT. OF 11 3/4" CASING
 662.00 FT. OF 8 5/8" CASING
 1538.00 FT. OF 5 1/2" CASING

NOV 14 2003

W. Dow 1809