

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

TEE Engineering Company, Inc.
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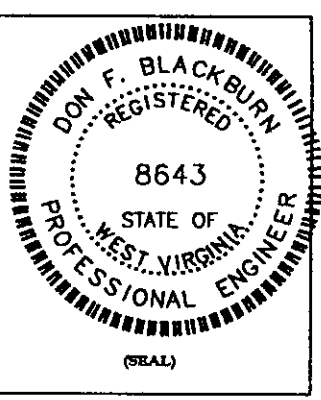
GeoMet Operating Company, Inc.
 Well No. Pond Creek 117-106-112

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. POND CREEK 112 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 117-106-112

API WELL NO. 47 STATE 047 COUNTY 01816C PERMIT

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

LOCATION: ELEVATION 1,860.98' NORTHING 111435.15 EASTING 1791877.41
 DISTRICT BIG CREEK WATER SHED UNNAMED TRIBUTARY OF DRY FORK
 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 1,684'
 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

6-6 (0)

MAY 18 2003

JUL 03 2003

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

Well Operator's Report of Well Work

Det
REC
Office of Oil and Gas
Office of Chief
NOV 25 2003
WV Department
Environmental Protection

FARM NAME: Plum Creek Timberlands OPERATOR WELL NO.: PC 117-106-112

LOCATION:

Elevation: 1,860.98' Quadrangle: War

District: Big Creek County: McDowell
Latitude: 2.079 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 10.747 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: 5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244	16"	22'	22'	
Agent: Gregg Cleary				
Inspector: Carlos Hively	8-5/8"	566'	566'	127/Pumped 167
Date Permit Issued: July 16, 2003				
Date Well Work Commenced: September 5, 2002	11-3/4"	316'	316'	190/Pumped 210
Date Well Work Completed: September 23, 2003				
Verbal Plugging:	5-1/2	1556'	1556'	270/Pumped 286
Date Permission granted on:				
Rotary XXXX Cable Rig				
Total Depth (feet): 1557'				
Fresh Water Depth (feet): Unknown				
Salt Water Depth (feet): Unknown				
Is coal being mined in area (N/Y)? No				

Coal Depths (feet): 595, 628, 643, 722, 747, 807, 918, 933, 966, 967, 1016, 1102, 1132, 1133, 1244, 1290, 1341, 1552.

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 11 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: Aundrea Smith

DATE: Nov. 19, 2003

JAN 30 2004

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DRILL DATA HOLE - NOAH HORN WELL DRILLING INC

COMPANY: GEOMET OPERATING CO HOLE: PC-112
 LOCATION: BUG HURLEY HOLLOW DRILL: RIG # 23
 DATE STARTED: 09-05-03 DATE COMPLETED: 09-10-03
 ELECTRIC LOGGED: YES GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	22	22	OVERBURDEN	22' W/ 16" CASING
22	30	8	SANDSTONE	
30	59	29	SANDSTONE / SANDY SHALE / SANDSTONE	
59	86	27	COAL STR / SANDSTONE	
86	114	28	SANDSTONE	
114	144	30	SANDSTONE / SANDY SHALE	
144	264	120	SANDY SHALE	
264	294	30	SANDSTONE / COAL STR	
294	324	30	SANDSTONE / SANDY SHALE	
324	330	6	SANDY SHALE / SANDSTONE	
330	420	90	SANDSTONE	
420	450	30	SANDY SHALE	
450	480	30	SHALE	
480	510	30	SANDY SHALE	
510	540	30	SHALE	
540	600	60	SANDSTONE	566.2' W/ 8 5/8" CASING
<i>Stages 3-7</i> — 600	1140	540	SANDY SHALE	
1140	1170	30	SANDY SHALE / SANDSTONE	
<i>Stage 2</i> — 1170	1230	60	SANDY SHALE	
1230	1250	20	SANDSTONE / COAL-2 / SANDY SHALE	
1250	1280	30	SANDY SHALE / SANDSTONE	
<i>Stage 1</i> — 1280	1310	30	COAL STR / SANDYSH / SANDSTONE	
1310	1340	30	SAND STONE / COAL STR / SANDSTONE	
1340	1370	30	SAND STONE / SANDY SHALE / SANDSTONE	
1370	1400	30	SANDY SHALE / SANDSTONE / COAL	
1400	1430	30	SANDSTONE / SANDY SHALE	
1430	1460	30	SANDY SHALE / SAND STONE	
1460	1490	30	RED SHALE / SANDY SHALE	
1490	1520	30	SANDY SHALE / RED SHALE	
1520	1550	30	SANDY SHALE	TD 7 7/8" HOLE

1550.00 FT. TOTAL DEPTH
 22.00 FT. OF 16" CASING
 316.75 FT. OF 11 3/4" CASING
 566.20 FT. OF 8 5/8" CASING

GeoMet Operating Company, Inc. Perforation and Frac Volume Specification

Well Name Pond Creek 112

PBTD 1526'

Zone and Perforation Table

Frac			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1288	1291				
N2 Scf	174,000		Screened Out Flow To Pit No Plug		20,000	12,000
Acid	200					
Gel Volume	4,700					
ISIP	4,000					
ATP	2,600					
AIR	22	BPM				
Stage 2 Interval	1,181	1184				
N2 Scf	18,000		Locked Up When Foam Hit Formation T/4100 No Plug			
Acid	200					
Gel Volume						
ISIP	4,100					No Leak Off
ATP						
AIR		BPM				
Stage 3 Interval	1,101	1104				
N2 Scf	240,000		W/ Setting Tool & CCL. 1050'			
Acid	200					
Gel Volume	7,600					
ISIP	1,364					
ATP	2,590					
AIR	27	BPM				
Stage 4 Interval	1,015	1018				
N2 Scf	220,000		1000'			
Acid	200					
Gel Volume	8,400					
ISIP	1,119					
ATP	2,310					
AIR	29	BPM				
Stage 5 Interval	965	968				
N2 Scf	221,000		24 Balls On Plug @ 950'			
Acid	200					
Gel Volume	7,300					
ISIP	892					
ATP	2,165					
AIR	31	BPM				

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Well Name Pond Creek 112

PBTD 1526'

Zone and Perforation Table

	Ball Out		Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	917	919			
N2 Scf	327,000		932-934 Ball Out 800'	35,000	35,000
Acid	450	15%			
Gel Volume	11,000				
ISIP	1,276				
ATP	2,705				
AIR	29	BPM			
Stage 7 Interval	721	724			25,000
N2 Scf	171,000		No Plug		
Acid	200				
Gel Volume	6,800				
ISIP	710				
ATP	1,750				
AIR	28	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					