

TEE Engineering Company, Inc.
 520 Cottage Hill Court
 Lexington, KY 40509
 (859) 263-5350
 Fax (859) 263-5345

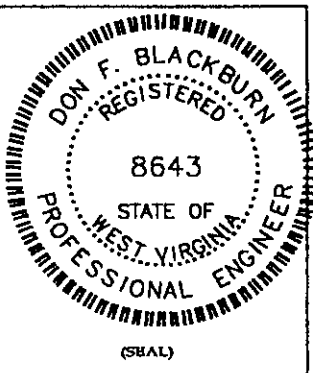
GeoMet Operating Company, Inc.
 Well No. Pond Creek 113-103-090

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. WELL POND CREEK 90 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 20, 2003
 OPERATOR'S WELL NO. POND CREEK 113-103-090
 API WELL NO. 47 - STATE COUNTY PERMIT 0785-C

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

LOCATION: ELEVATION 1,648.29' NORTHING 105162.29 EASTING 1783125.93
 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 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 2,053'
 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 290)

Mc Dow 1785-C

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

MSH

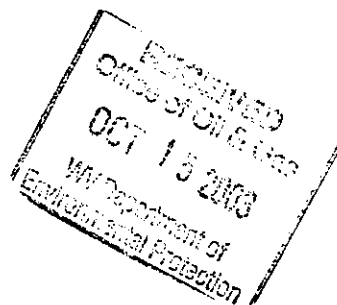
Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands OPERATOR WELL NO.: 113-103-090

LOCATION:

Elevation: 1,648.29' Quadrangle: War

District: Big Creek County: McDowell
Latitude: 10,782' Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude: 1,918' Feet West of 81 Deg. 45 Min. 00 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>21'</u>	<u>21'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>331'</u>	<u>331'</u>	<u>75/Pumped 156</u>
Date Permit Issued: <u>May 13, 2003</u>				
Date Well Work Commenced: <u>July 31, 2003</u>	<u>5-1/2"</u>	<u>1345'</u>	<u>1345'</u>	<u>233/Pumped 260</u>
Date Well Work Completed: <u>August 12, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1403'</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): 337, 339, 340, 344, 354, 464, 465, 466, 474, 507, 515, 523, 541, 573, 609, 635, 721, 747, 787, 827, 933, 1019, 1021, 1132, 1139, 1398, 1400.

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 13 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: Dundrea Smith
DATE: _____

McDow 1785D

NOV 14 2003

GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name Pond Creek 090 PBTID 1345

Zone and Perforation Table

Frac Stage	Interval		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	1130	1133				
Stage 1 Interval	1130	1133				
N2 Scf	227,000		36 Balls On Plug @ 1080'		15,000	17,000
Acid	300	15%				
Gel Volume	7,000					
ISIP	2,559					
ATP	2,942					
AIR	23	BPM				
Stage 2 Interval	1,017	1020		//		20,000
N2 Scf			Did Not Get Treated No Plug Square Gem			
Acid	300					
Gel Volume						
ISIP						
ATP	4,000					
AIR		BPM				
Stage 3 Interval	932	935		//		20,000
N2 Scf	162,000		Balled out W/ Stage 2 No Plug			
Acid	300					
Gel Volume	7,200					
ISIP	1,441					
ATP	2,298					
AIR	23	BPM				
Stage 4 Interval	826	829		//		20,000
N2 Scf			No Plug			
Acid	400					
Gel Volume						
ISIP						
ATP	3,700					
AIR		BPM				
Stage 5 Interval	786	789		//		20,000
N2 Scf	324,000		Balled Out W/ Stage 4 Treated Together Assured 36 Balls - 770'			
Acid	200	15%				
Gel Volume	9,200					
ISIP	1,194					
ATP	2,483					
AIR	32	BPM				

Well Name Pond Creek 090

PBTD

1345

Zone and Perforation Table

			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	750	723				
N2 Scf	288,000		745' -748'	Balled Out 660'	30,000	33,000
Acid	550	15%				
Gel Volume	10,000					
ISIP	1,063					
ATP	2,315					
AIR	32	BPM				
Stage 7 Interval	571	574				
N2 Scf	185,000		540'			
Acid	300					
Gel Volume	6,000					
ISIP	1,074					
ATP	2,395					
AIR	23	BPM				
Stage 8 Interval	506	509				
N2 Scf	216,000		514' -516'	500'		
Acid	200					
Gel Volume	8,400					
ISIP	865					
ATP	1,725					
AIR	30	BPM				
Stage 9 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 10 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR						

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MCDOW 1785C

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO

HOLE NO.: PC-90

LOCATION: BUG HURLEY HOLLOW

DRILL: RIG # 94

DATE STARTED: 07-30-2003

DATE COMPLETED: 07-31-2003

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	18	18	OVERBURDEN	
18	21	3	SHALE	21.3' W/ 13 3/8" CASING
21	30	9	SHALE / COAL / SANDSTONE	
30	61	31	SANDSTONE / SANDY SHALE STR	
61	92	31	COAL STR / SANDSTONE	
92	123	31	SANDY SHALE / SAND	
123	154	31	SAND / SANDY SHALE	
154	185	31	SANDY SHALE / SANDSTONE	
185	215	30	SANDSTONE	
215	245	30	SANDY SHALE / SANDSTONE	
245	275	30	SANDSTONE / SANDY SHALE	
275	305	30	SANDY SHALE / COAL ST / SANDSTONE	
305	335	30	SANDSTONE	331' W/ 8 5/8" CASING
335	360	25	SANDY SHALE / COAL ST / SANDSTONE	
360	390	30	SANDSTONE / SANDY SHALE STR	
390	420	30	SANDY SHALE / SANDSTONE / COAL 415'-416'	
420	450	30	SANDY SHALE / SANDSTONE STR	
450	480	30	SANDY SHALE / COAL 458'-463' / 468'-469'	
480	510	30	SANDY SHALE / SANDSTONE / SANDY SHALE COAL 498'-500' / COAL 509'	
510	540	30	SANDY SHALE / COAL STR 513'-515' / 535'-537'	
540	570	30	SANDY SHALE / COAL 565'-567'	
570	600	30	SANDSTONE / SANDY SHALE	
600	630	30	COAL STR 603'-605' / SANDSTONE / SANDY SHALE / COAL 628'-630'	
630	660	30	COAL W/ SHALE / 630'-633' / SANDY SHALE / COAL 628'-630'	
660	690	30	SANDY SHALE / COAL STR 677'-679'	
690	720	30	SANDY SHALE / 2 COAL STR	
720	750	30	SANDSTONE STR / COAL STR 736'-738' / SANDY SHALE	
750	780	30	SANDY SHALE / SANDSTONE / SANDY SHALE / COAL 778'-780'	
780	810	30	SANDY SHALE	
810	840	30	SANDY SHALE / COAL STR / SANDSTONE	
840	870	30	SANDY SHALE / SANDSTONE STR / COAL STR	
870	900	30	COAL 875'-877' / SANDY SHALE / SANDSTONE	

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 GEOMET OPERATING COMPANY INC
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FROM	TO	FT.	DESCRIPTION
900	930	30	SANDY SHALE / COAL STR / SANDSTONE
930	960	30	SANDSTONE / SANDY SHALE
960	990	30	SANDY SHALE / COAL STR / SANDSTONE
990	1020	30	SANDSTONE / SANDY SHALE
1020	1050	30	COAL / SANDY SHALE
1050	1080	30	SANDSTONE
1080	1110	30	SANDSTONE / SANDY SHALE / SANDSTONE
1110	1140	30	SANDSTONE
1140	1170	30	COAL 2 / SANDSTONE
1170	1200	30	SANDSTONE / SANDY SHALE / SANDSTONE
1200	1230	30	SANDSTONE / SANDY SHALE
1230	1260	30	SANDY SHALE / SANDSTONE STR
1260	1290	30	SANDY SHALE
1290	1320	30	SANDSTONE / RED SHALE / SANDY SHALE
1320	1350	30	SANDY SHALE / RED SHALE / SANDSTONE
1350	1380	30	SANDSTONE / RED SHALE / SANDSTONE STR
1380	1400	20	SANDSTONE / SANDY SHALE TD 7 7/8" HOLE

1400.00 FT. TOTAL DEPTH
 21.30 FT. OF 13 3/8" CASING
 331.00 FT. OF 8 5/8" CASING

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