

TEE Engineering Company, Inc.
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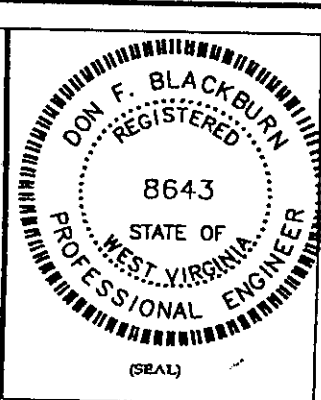
GeoMet Operating Company, Inc.
Well No. Pond Creek 116-105-101

FILE NO. 1883-08/2003 WELLS
DRAWING NO. POND CREEK 101 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 AUGUST 14, 2003
OPERATOR'S WELL NO. POND CREEK 116-105-101

WELL TYPE: OIL GAS X CBM LIQUID INJECTION WASTE DISPOSAL

(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,824.18' NORTHING 108503.73 EASTING 1789804.68

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 1,420' OCT 3 2003
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

Mc Dow 1835C

Blackburn 579

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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 116-105-101

LOCATION:

Elevation: 1,824.18' Quadrangle: War

District: Big Creek County: McDowell
Latitude: 4,129 Feet South of 37 Deg. 20 Min. 30 Sec.
Longitude: 13,694 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>13-3/8"</u>	<u>20.6'</u>	<u>20.6'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Carlos Hively</u>	<u>8-5/8"</u>	<u>532'</u>	<u>532'</u>	<u>117/Pumped 168</u>
Date Permit Issued: <u>October 2, 2003</u>				
Date Well Work Commenced: <u>October 23, 2003</u>	<u>5-1/2"</u>	<u>1414.59'</u>	<u>1414.59'</u>	<u>245/Pumped 267</u>
Date Well Work Completed: <u>November 12, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1425'</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>				

RECEIVED
Office of Oil & Gas
Office of Chief
APR 12 2004
WV Department of
Environmental Protection

Coal Depths (feet): 588, 609, 629, 643, 668, 669, 693, 694, 737, 850, 851, 877, 912, 913, 964, 965, 1051, 1052, 1129, 1246,

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 98 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: AGENT
DATE: 4-7-04

Mc Dow 1835

JUN 11 2004

GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name Pond Creek 101 PBTB 1410'

Zone and Perforation Table

Frac Stage	Interval		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1244	1247				
N2 Scf	280,000		1150'		25,000	18,500
Acid	250					
Gel Volume	5,230					
ISIP	3,084					
ATP	3,573					
AIR	22	BPM				
Stage 2 Interval	1,050	1053				
N2 Scf	348,000		1010'			
Acid	400					
Gel Volume	6,900					
ISIP	1,775					
ATP	3,365					
AIR	26	BPM				
Stage 3 Interval	963	966				
N2 Scf	312,000		950'			
Acid	200					
Gel Volume	6,600					
ISIP	2,501					
ATP	2,929					
AIR	29	BPM				
Stage 4 Interval	911	914				
N2 Scf	239,000		24 Frac Balls on Plug @ 900'			
Acid	200					
Gel Volume	6,200					
ISIP	1,334					
ATP	2,503					
AIR	25	BPM				
Stage 5 Interval	850	852				
N2 Scf	315,000		876-878 Ball Out 800'			
Acid	450					
Gel Volume	9,080					
ISIP	1,268					
ATP	2,588					
AIR	35	BPM				

Well Name Pond Creek 101

PBTD

1410'

Zone and Perforation Table

Stage	692	695	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval						
N2 Scf	255,000		627-630 Ball Out 650'		35,000	37,000
Acid	450					
Gel Volume	8,785					
ISIP	920					
ATP	2,025					
AIR	38	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						

McDow 1835

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEO-MET

HOLE NO. PC-101

LOCATION: BUG HURLEY

DRILL: RIG 94

DATE STARTED: 10-22-03

ELECTRIC LOGGED: YES

DATE COMPLETED: 10-27-03

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	7	7	OVERBURDEN	
7	21	14	SANDY SHALE/SANDSTONE	20.60' W/ 13-3/8"
21	30	9	SHALE	
30	61	31	SANDSTONE/SANDY SHALE	
61	92	31	SAND/SANDY SHALE/COAL STR.	
92	123	31	SANDSTONE/SANDY SHALE/STR.	
123	155	32	SANDY SHALE/SANDSTONE/SANDY SHALE	
155	185	30	SANDY SHALE/COAL - 3	
185	215	30	SANDY SHALE	
215	245	30	SANDSTONE/SANDY SHALE	
245	275	30	SANDY SHALE/SANDSTONE STRKS/SANDY SHALE	
275	305	30	SANDY SHALE	
305	335	30	SANDSTONE	
335	365	30	SANDY SHALE/COAL STR./SANDSTONE	
365	395	30	SANDSTONE	
395	425	30	SANDY SHALE/COAL STR./SANDSTONE	
425	455	30	SANDY SHALE/COAL-448-455 W/SHALE	
455	485	30	COAL STR.-2/SANDY SHALE	
485	515	30	SANDSTONE/SANDY SHALE STR.	
515	545	30	SANDSTONE	532' W/8-5/8" CASING
545	570	25	SHALE	
570	600	30	SANDY SHALE/SANDSTONE	
600	630	30	SANDSTONE/SANDY SHALE	
630	660	30	SANDSTONE	
660	690	30	SANDY SHALE/COAL STR./SANDSTONE	
690	720	30	COAL-2/SANDY SHALE/SANDSTONE	
720	750	30	SANDSTONE	
750	780	30	SANDSTONE/SANDY SHALE STR.	
780	810	30	SANDY SHALE/SANDSTONE	
810	870	60	SANDY SHALE	
870	900	30	SANDY SHALE/SANDSTONE STR.	
900	930	30	COAL STR./SANDY SHALE	
930	960	30	SANDY SHALE/SANDSTONE STRKS.	
960	990	30	SANDY SHALE	
990	1020	30	SANDSTONE/SANDY SHALE	

GEO-MET OPERATIONS
HOLE #PC-101
PAGE 2

1020	1050	30	SANDSTONE/SANDY SHALE STR.
1050	1110	60	SANDSTONE
1110	1140	30	SANDSTONE/SANDY SHALE/COAL STR.
1140	1170	30	SANDY SHALE/SANDSTONE/SANDY SHALE/COAL
1170	1200	30	SANDSTONE/SANDY SHALE STR.
1200	1230	30	SANDSTONE/SHALE STR.
1230	1260	30	SANDSTONE/COAL-1240-1243/SANDY SHALE/SANDSTONE STRKS.
1260	1290	30	SANDSTONE/SANDY SHALE/POSS COAL STR./SANDSTONE STRKS.
1290	1320	30	SANDSTONE/SANDY SHALE/SANDSTONE
1320	1350	30	SANDY SHALE/SANDSTONE
1350	1380	30	SANDSTONE/SANDY SHALE STR.
1380	1410	30	SANDY SHALE STR./SANDSTONE/SANDY SHALE STRKS/SANDSTONE
1410	1425	15	SANDY SHALE 1414.59' W/5-1/2" CASING

TOTAL DEPTH: 1425'
20.60' W/13-3/8" CASING
532' W/8-5/8" CASING
1414.59' W/5-1/2" CASING