

TEE Engineering Company, Inc.
 1700 Carbon Hill Road
 Lexington, KY 40509
 (606) 263-5330
 Fax (606) 263-5345

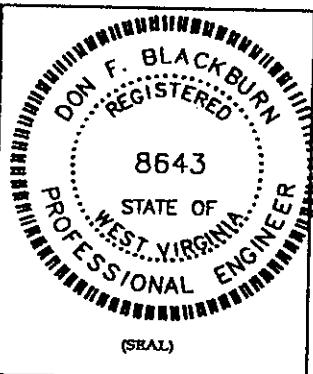
GeoMet Operating Company, Inc.
 Well No. Pond Creek 115-105-105

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. POND CREEK 105 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 115-105-105

API WELL NO. 47 STATE 047 COUNTY McDOWELL PERMIT 01806-C

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

LOCATION: ELEVATION 1663.01' NORTHING 109157.35 EASTING 1787553.06
 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 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 1530
 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 290)

JUN 20 2003

McDowell 1806 C

MTB

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.: 115-105-105

LOCATION:

Elevation: 1,663.01' Quadrangle: War

District: Big Creek County: McDowell
Latitude: 6,386' Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 13,059' 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>32'</u>	<u>32'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>386'</u>	<u>386'</u>	<u>87/Pumped 180</u>
Date Permit Issued: <u>June 19, 2003</u>				
Date Well Work Commenced: <u>August 22, 2003</u>	<u>5-1/2"</u>	<u>1319'</u>	<u>1319'</u>	<u>229/Pumped 247</u>
Date Well Work Completed: <u>September 20, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable <u> </u> Rig <u> </u>				
Total Depth (feet): <u>1330'</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): 401, 474, 473, 560, 576, 645, 791, 843, 929, 1001, 1064, 1124, 1325.

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: *Dundrea Smith*

DATE: _____

McDow 1806

NOV 14 2003

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

Well Name Pond Creek 105

PBTD 1316

Zone and Perforation Table

Frac Stage	Interval		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	1122	1125				
Stage 1 Interval	1122	1125				
N2 Scf	206,000		No Plug		20,000	6,800
Acid	200					
Gel Volume	5,500					
ISIP	3,151					
ATP	3,710					
AIR	15	BPM				
Stage 2 Interval	927	930				20,000
N2 Scf	345,000		890'			
Acid	400					
Gel Volume	7,200					
ISIP	3,002					
ATP	3,700					
AIR	24	BPM				
Stage 3 Interval	841	844				25,000
N2 Scf	252,000		30 Balls On Plug @ 820'			
Acid	350					
Gel Volume	7,800					
ISIP	2,150					
ATP	2,770					
AIR	28	BPM				
Stage 4 Interval	790	793				25,000
N2 Scf			Would Not Break No Plug			
Acid	400					
Gel Volume						
ISIP	3,900					
ATP	4,000					
AIR	BPM					
Stage 5 Interval	559	561				25,000
N2 Scf	307,000		575-577 Ball-Out 510'			
Acid	450					
Gel Volume	8,600					
ISIP	2,168					
ATP	3,105					
AIR	27	BPM				

Well Name Pond Creek 105

PBTD

1316

Zone and Perforation Table

	Ball Out		Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	473	476			
N2 Scf	232,000		No Plug	25,000	28,000
Acid	200	15%			
Gel Volume	7,400				
ISIP	817				
ATP	2,150				
AIR	32	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					

NOV 14 2003

M. Dow 1800

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEO-MET

HOLE NO. PC-105

LOCATION: BUG HURLEY HOLLOW

DRILL: RIG 94

DATE STARTED: 08-21-03

ELECTRIC LOGGED: YES

DATE COMPLETED: 08-25-03

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	15	15	OVERBURDEN	
15	32	17	SHALE/SAND	32' W/ 13-3/8" CASING
32	61	29	SANDY SHALE	
61	92	31	SANDY SHALE/SANDSTONE/COAL STRKS	
92	123	31	SANDSTONE/SANDY SHALE	
123	154	31	SANDY SHALE/SANDSTONE/SANDY SHALE	
154	185	31	SANDSTONE/SANDY SHALE/COAL	
185	215	30	SANDSTONE/SANDY SHALE/COAL	
215	245	30	SANDY SHALE/SANDSTONE	
245	275	30	SANDSTONE/SANDY SHALE STRKS.	
275	305	30	SANDSTONE/COAL/SANDY SHALE	
305	335	30	SANDY SHALE/SANDSTONE/COAL	
335	395	60	SANDSTONE	325'-3330'/SANDSTONE
395	420	25	SANDY SHALE/SANDSTONE	386.30 W/8-5/8" CASING
420	450	30	SANDSTONE/SANDY SHALE	
450	480	30	SANDY SHALE/COAL-470'-473'	
480	510	30	SANDY SHALE	
510	540	30	SANDY SHALE/SANDSTONE	
540	570	30	SANDSTONE/SANDY SHALE/COAL-562-563'	
570	600	30	SANDY SHALE/COAL-4/SANDSTONE/ SANDY SHALE	
600	630	30	SANDSTONE/SANDY SHALE	
630	660	30	SANDY SHALE/COAL STRKS/SANDY SH.	
660	690	30	SANDY SHALE	
690	720	30	SANDSTONE/SANDY SHALE	
720	750	30	SHALE/SANDY SHALE/SANDSTONE/ POSSIBLE COAL	
750	780	30	SANDY SHALE/POSSIBLE COAL	
780	810	30	SANDY SHALE/COAL-788-790'/SANDSTONE	
810	840	30	SANDSTONE STRKS/SANDY SHALE/COAL 838-840'	
840	870	30	SANDY SHALE/COAL STRKS.	
870	900	30	SANDY SHALE/COAL STRKS/SANDSTONE	
900	930	30	SANDSTONE/SANDY SHALE/COAL-720-723'	
930	960	30	SANDSTONE/SANDY SHALE STRKS	

GEO-MET OPERATIONS
HOLE PC-105
PAGE 2

990	1020	30	COAL -990-992'/SANDSTONE
1020	1050	30	SANDY SHALE/SANDSTONE/POSS. COAL
1050	1080	30	SANDSTONE/(2) COAL STR./SANDY SHALE
1080	1110	30	SANDY SHALEJ/SANDSTONE
1110	1140	30	COAL-1112—1114'/SHALE/SANDY SHALE
1140	1170	30	SANDY SHALE/SHALE/SANDSTONE
1170	1200	30	SANDSTONE STR/SHALE/STR/SANDY SH.
1200	1260	60	SANDSTONE/SANDY SHALE STR
1260	1290	30	SANDSTONE/SANDY SHALE STR.
1290	1320	30	SANDSTONE/SANDY SHALE/POSS RED SH.

TOTAL DEPTH: 1320'

32' 13-3/8" CASING
386.30' 8-5/8" CASING
1319.03' 5-1/2" CASING

NOV 14 2003

Mc Dow 1806