

TEE Engineering Company, Inc.
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 Lexington, KY 40509
 (859) 263-3330
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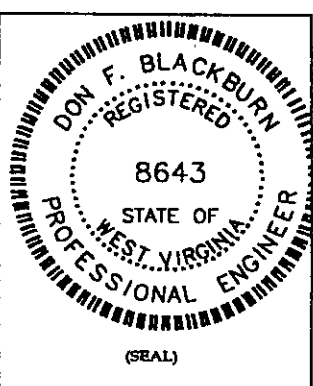
GeoMet Operating Company, Inc.
Well No. Pond Creek 111-105-087

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. WELL POND CREEK 87 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 5, 2003
 OPERATOR'S WELL NO. POND CREEK 111-105-087
 API WILL NO. 47 - 047 - 1780C
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2,001.98' NORTHING 110022.76 EASTING 1779204.61
 DISTRICT BIG CREEK WATER SHED MUDLICK BR. OF LITTLE SLATE CREEK
 QUADRANGLE BRADSHAW 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 _____ 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 1,981'
 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

McDOW 1780C

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

Handwritten signature

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands OPERATOR WELL NO.: 111-105-087

LOCATION:

Elevation: 2,001.98' Quadrangle: Bradshaw

District: Big Creek County: McDowell
Latitude: 2,621' Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 12,260' 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: 5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244	13-3/8"	20.25'	20.25'	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	8-5/8"	361.61'	361.61'	72/Pumped 108
Date Permit Issued: <u>April 24, 2003</u>				
Date Well Work Commenced: <u>June 12, 2003</u>	5-1/2"	1906.69'	1906.69'	331/Pumped 338
Date Well Work Completed: <u>June 25, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable <u> </u> Rig <u> </u>				
Total Depth (feet): <u>1920'</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): 319, 323, 328, 329, 330, 403, 464, 469, 472, 483, 505, 535, 585, 608, 657, 739, 748, 753, 778, 779, 781, 782, 784, 825, 855, 861, 895, 896, 929, 945, 969, 985, 1020, 1050, 1057, 1103, 1104, 1105, 1150, 1186, 1223, 1263, 1265, 1303, 1353, 1423, 1425, 1427, 1428, 1485, 1545, 1546, 1869, 1870, 1871, 1872, 1873, 1874.

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 10 psig (surface pressure) after 96 Hours

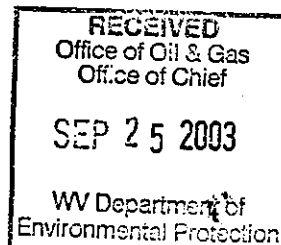
NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

SIGNED:

BY:

Dundrea Smith

DATE:



SEP 17 2003

McDow 1780

GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name PMC SOUTH 087 PBTB 1906'

Zone and Perforation Table

Frac			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1544	1547				
N2 Scf	282,000		1400'		20,000	18,000
Acid	200	15%				
Gel Volume	10,200					
ISIP	3,058					
ATP	3,665					
AIR	17	BPM				
Stage 2 Interval	1,263	1266				
N2 Scf	249,000		30 Balls on Plug @ 1245'			
Acid	400	15%				
Gel Volume	10,400					
ISIP	1,365					
ATP	2,408					
AIR	25	BPM				
Stage 3 Interval	1,223	1226				
N2 Scf	239,000		1185' - 1187' Ball Out 30 Balls on Plug @ 1100'			
Acid	450	15%				
Gel Volume	11,400					
ISIP	1,262					
ATP	1,908					
AIR	18	BPM				
Stage 4 Interval	1,056	1058				
N2 Scf	252,000		1019' - 1021' Ball Out 38 Balls on Plug @ 1010'			
Acid	450	15%				
Gel Volume	10,400					
ISIP	978					
ATP	2,792					
AIR	19	BPM				
Stage 5 Interval	984	986				
N2 Scf	300,000		967' - 969', 944' - 946' Ball Out 930'			
Acid	250	15%				
Gel Volume	12,500					
ISIP	986					
ATP	2,075					
AIR	24	BPM				

Well Name PMC SOUTH 087

PBTD

1906'

Zone and Perforation Table

	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	894	897		
N2 Scf	250,000		35,000	36,000
Acid	200	15%		
Gel Volume	10,000			
ISIP	1,304			
ATP	2,211			
AIR	19	BPM		
	850'			
Stage 7 Interval	778	784	40,000	5,000
N2 Scf	152,000			
Acid	200	15%		
Gel Volume	7,000			
ISIP	4,000			
ATP	3,288			
AIR	16	BPM		
	Screen Out No Plug			
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 1780

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEO-MET

HOLE NO.: PC-087

LOCATION: BUG HURLEY HOLLOW

DRILL: RIG 23

DATE STARTED: 06-11-03

ELECTRIC LOGGED: YES

DATE COMPLETED: 06-13-03

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	1	1.00	OVERBURDEN	
1	20	19.00	SANDY SHALE/SANDSTONE	
20	30	10.00	SANDSTONE (SOFT)	20.25' OF 13-3/8" CASING
30	61	31.00	SANDSTONE/SANDY SHALE/COAL/SANDSTONE	
61	92	31.00	SANDSTONE/SANDY SHALE STRKS.	
92	123	15.00	SANDSTONE/SANDY SHALE/SANDSTONE	
123	138	35.00	SANDSTONE	
138	154	16.00	SANDY SHALE	
154	185	31.00	SANDY SHALE/SANDSTONE	
185	215	30.00	SANDSTONE/SANDY SHALE	
215	245	30.00	SANDY SHALE/SANDSTONE/SANDY SHALE	
245	275	30.00	SANDSTONE/SANDY SHALE	
275	305	30.00	SANDY SHALE/COAL STRKS.	
305	325	20.00	SANDY SHALE	316.61' OF 8-5/8" CASING
325	330	5.00	SANDY SHALE	
330	360	30.00	SANDSTONE/COAL STRKS./SANDSTONE	
360	390	30.00	SANDSTONE/SANDY SHALE/COAL STRKS./SANDSTONE	
390	420	30.00	SANDSTONE/SANDY SHALE/COAL/SANDY SHALE/SANDSTONE	
420	450	30.00	SANDSTONE/SANDY SHALE	
450	480	30.00	SANDSTONE/SANDY SHALE/COAL STRKS.	
480	510	30.00	SANDY SHALE/COAL STRKS.	
510	540	30.00	SANDY SHALE/COAL/SANDSTONE	
540	570	30.00	SANDSTONE/SANDY SHALE/SANDSTONE	
570	600	30.00	SANDSTONE/SANDY SHALE	
600	630	30.00	SANDY SHALE	
630	660	30.00	SANDY SHALE/COAL	
660	720	60.00	SANDY SHALE	
720	780	60.00	SANDY SHALE/COAL	
780	810	30.00	SANDSTONE/SANDY SHALE	
810	840	30.00	SANDY SHALE/SANDSTONE	
840	930	90.00	SANDSTONE/SANDY SHALE/COAL	
930	960	30.00	SANDSTONE STRKS/SANDSTONE/COAL	
960	1020	60.00	SANDY SHALE/COAL STRKS/SANDSTONE	

GEO-MET OPERATIONS
 HOLE #PC-087
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1020	1050	30.00	SANDSTONE/SANDY SHALE
1050	1080	30.00	COAL STRKS/SANDY SHALE/SANDSTONE SANDY SHALE
1080	1110	30.00	SANDY SHALEJ/COAL STRKS
1110	1140	30.00	SANDY SHALE
1140	1170	30.00	SANDY SHALE/COAL/SANDY SHALE/SAND
1170	1200	30.00	SAND/SANDY SHALE
1200	1230	30.00	SANDY SHALE/COALJ/SANDY SHALE
1230	1260	30.00	SANDY SHALE/COAL
1260	1290	30.00	SANDY SHALE/COAL/SANDY SHALE/ COAL/SAND
1290	1320	30.00	SAND/SANDY SHALE/COAL/SHALE/SAND
1320	1350	30.00	SAND/SANDY SHALE/COAL/SANDY SHALE
1350	1380	30.00	SANDSTONE/SANDY SHALE/SANDSTONE
1380	1410	30.00	SANDY SHALE/SANDSTONE
1410	1440	30.00	SANDY SHALE/COAL/SANDY SHALE
1440	1470	30.00	SANDSTONE STRKS/SANDY SHALE
1470	1500	30.00	COAL/SANDY SHALE/COAL/SAND
1500	1530	30.00	SANDY SHALE
1530	1560	30.00	COAL/SANDY SHALE
1560	1590	30.00	SANDSTONE/SANDY SHALE
1590	1620	30.00	SAND/SANDY SHALE STRKS.
1620	1650	30.00	SANDY SHALE/SAND
1650	1680	30.00	SANDSTONE
1680	1710	30.00	SAND/SANDY SHALE
1710	1740	30.00	SAND/SANDY SHALE/COAL STRKS.
1740	1770	30.00	SANDY SHALE/RED SHALE/SANDY SHALE
1770	1800	30.00	SANDY SHALE
1800	1830	30.00	SANDY SHALE
1830	1860	30.00	SANDSTONE/SANDY SHALE
1860	1890	30.00	RED SHALE/SANDY SHALE
1890	1920	30.00	SANDY SHALE/RED SHALE
			1906.69' OF 5-1/2" CASING

TOTAL DEPTH: 1920'
 20.25' OF 13-3/8"
 316.61' OF 8-5/8"
 1906.69' OF 5-1/2"

McDow 1780