

REFERENCES | SCALE 1"=100'

WELL COORDINATES
 WV STATE PLANE
 SOUTH ZONE NAD 1927
 N. 112561.62
 E. 1776987.33

TEE Engineering Company, Inc.
 320 Cuthers Hill Court
 Lexington, KY 40509
 (859) 263-3350
 Fax (859) 263-3345

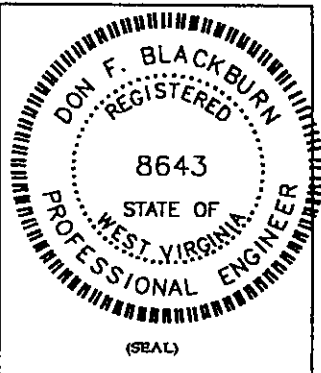
GeoMet Operating Company, Inc.
 Well No. Pond Creek 110-107-033

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. WELL POND CREEK 33 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 110-107-033

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

LOCATION: ELEVATION 1,852.27 NORTHING 112561.63 EASTING 1776987.33
 DISTRICT BIG CREEK WATER SHED _____ RIGHT FORK 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 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 1,988'
 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

(Bradshaw 270)

APR 25 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

FARM NAME: Plum Creek Timberlands

OPERATOR WELL NO.: 110-107-033

LOCATION:

Elevation: 1,852.27' Quadrangle: Bradshaw

District: Big Creek County: McDowell
Latitude: 4.859' Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 9.740' 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>45.65'</u>	<u>45.65'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>406'</u>	<u>406'</u>	<u>92/Pumped 162</u>
Date Permit Issued: <u>April 24, 2003</u>				
Date Well Work Commenced: <u>June 2, 2003</u>	<u>5-1/2"</u>	<u>1734'</u>	<u>1734'</u>	<u>301/Pumped 375</u>
Date Well Work Completed: <u>June 12, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1750'</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): 402, 430, 459, 491, 523, 570, 571, 660, 682, 684, 687, 688, 690, 761, 763, 813, 814, 819, 825, 866, 881, 915, 957, 978, 989, 1052, 1095, 1118, 1119, 1177, 1178, 1179, 1180, 1181, 1183, 1204, 1271, 1324, 1329, 1337, 1385, 1443, 1684, 1748.

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 9.8 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:

RECEIVED
Office of Oil & Gas
Office of Chief
SEP 25 2003
WV Department of
Environmental Protection

SEP 17 2003

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GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name PC 033 PBTB 1733'

Zone and Perforation Table

Frac	1442' - 1446'		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1,328	1,331				
N2 Scf	350,000		Dropped 36 frac balls Left on bottom 1260'		40,000	41,000
Acid	250					
Gel Volume	12,300					
ISIP	1,388					
ATP	2,782					
AIR	28	BPM				
Stage 2 Interval	1,180	1,184				45,000
N2 Scf	356,000		24 Balls on Plug @ 1160'			
Acid	200					
Gel Volume	12,000					
ISIP	1,542					
ATP	2,802					
AIR	27	BPM				
Stage 3 Interval	1095	1097				35,000
N2 Scf	279,000		1118' - 1120' 30 Balls on Plug @ 1075'			
Acid	450					
Gel Volume	12,000					
ISIP	1342					
ATP	2492					
AIR	19	BPM				
Stage 4 Interval	1,052	1,054				30,000
N2 Scf	239,000		979' - 979' 36 Balls on Plug @ 960'			
Acid	450					
Gel Volume	9,200					
ISIP	1,444					
ATP	3,148					
AIR	15	BPM				
Stage 5 Interval	866	868				30,000
N2 Scf	238,000		880' - 882', 914' - 916' 850'			
Acid	450					
Gel Volume	9,400					
ISIP	1,391					
ATP	2,463					
AIR	19	BPM				

Well Name PC 033

PBTD

1733'

Zone and Perforation Table

	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	813	816		
N2 Scf	213,000		30,000	32,500
Acid	200			
Gel Volume	8,300			
ISIP	1,684			
ATP	2177			
AIR	21	BPM		
	NO PLUG			
Stage 7 Interval	682	688	35,000	38,000
N2 Scf	235,000			
Acid	200			
Gel Volume	9,600			
ISIP	866			
ATP	2106			
AIR	20	BPM		
	NO PLUG			
Stage 8 Interval				
N2 Scf				
Acid				
Gel Volume				
ISIP				
ATP				
AIR				
Stage 9 Interval				
N2 Scf				
Acid				
Gel Volume				
ISIP				
ATP				
AIR				
Stage 10 Interval	NONE		NONE	NONE
N2 Scf				
Acid				
Gel Volume				
ISIP				
ATP				
AIR				

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEO-MET

HOLE NO. PC-033

LOCATION: BUG HURLEY HOLLOW

DRILL: RIG 23

DATE STARTED: 06-02-03

ELECTRIC LOGGED: YES

DATE COMPLETED: 06-04-03

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	38	38.00	OVERBURDEN	
38	46	8.00	SHALE/SANDSTONE	45.65' OF 13-3/8" PIPE
46	61	15.00	SANDSTONE	
61	92	31.00	SANDSTONE/COAL STRKS/SANDSTONE	
92	123	31.00	SANDSTONE/COAL STRKS/SANDY SHALE	
123	154	31.00	SANDY SHALE/COAL STRKS/SHALE/SAND	
154	185	31.00	SAND/SANDY SHALE/SAND	
185	215	30.00	SAND/SANDY SHALE/COAL STRKS/SAND	
215	245	30.00	SANDSTONE	
245	275	30.00	SANDSTONE/COAL STRKS.	
275	305	30.00	SANDY SHALE/SAND/SANDY SHALE	
305	335	30.00	SANDY SHALE/SANDSTONE	
335	395	60.00	SANDSTONE	
395	425	30.00	SANDSTONE/SHALE	405' OF 8-5/8" PIPE
425	450	25.00	SAND/SANDY SHALE	
450	480	30.00	SHALE STRKS/COAL/SANDY SHALE	
480	510	30.00	SAND/SANDY SHALE/COAL STRKS.	
510	540	30.00	SANDY SHALE/SAND/COAL STRKS/ SANDY SHALE	
540	570	30.00	SANDY SHALE/SAND/SANDY SHALE/COAL	
570	600	30.00	SANDY SHALE/SAND/SANDY SHALE	
600	630	30.00	SANDY SHALE	
630	660	30.00	SANDY SHALE/COAL	
660	690	30.00	SANDY SHALE/SAND/SHALE/COAL	
690	720	30.00	SANDY SHALE/SANDSTONE	
720	750	30.00	SANDSTONE/SANDY SHALE STRKS.	
750	780	30.00	SANDY SHALE/COAL STRKS/SAND	
780	810	30.00	SAND/SANDY SHALE/SAND/SHALE/COAL	
810	840	30.00	SANDY SHALE/COAL/SHALE/SAND/ SANDY SHALE	
840	870	30.00	SANDY SHALE/COAL/SANDY SHALE	
870	900	30.00	SANDY SHALE/SAND	
900	930	30.00	SAND/SANDY SHALE	
930	960	30.00	SANDY SHALE/SAND/SANDY SHALE/SAND	
960	990	30.00	SAND/SANDY SHALE/COAL/SAND	
990	1020	30.00	SAND/SANDY SHALE	

GEO-MET
 HOLE #PC-033
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1020	1050	30.00	SANDY SHALE
1050	1080	30.00	SAND/SANDY SHALE
1080	1110	30.00	SANDY SHALE/SAND
1110	1140	30.00	SAND/SANDY SHALE
1140	1170	30.00	SANDY SHALE/SAND/COAL
1170	1200	30.00	SANDY SHALE/SAND
1200	1230	30.00	SAND
1230	1260	30.00	SAND/SHALE
1260	1290	30.00	SANDY SHALE/COAL STRKS.
1290	1320	30.00	SANDY SHALE/SHALE
1320	1350	30.00	SANDY SHALE/SANDSTONE STRSK.
1350	1380	30.00	SANDY SHALE/SANDSTONE/SANDY SHALE COAL/SANDSTONE
1380	1410	30.00	SANDSTONE/SANDY SHALE/SANDSTONE
1410	1440	30.00	SANDSTONE/COAL/SANDY SHALE
1440	1470	30.00	SANDY SHALE/RED SHALE
1470	1500	30.00	RED SHALE/SANDY SHALE/SANDSTONE
1500	1530	30.00	SANDSTONE/SANDY SHALE STRKS.
1530	1590	60.00	SANDSTONE/SANDY SHALE STRKS.
1590	1620	30.00	SANDSTONE/SANDY SHALE/SANDSTONE
1620	1650	30.00	SANDSTONE/SANDY SHALE
1650	1680	30.00	SANDSTONE/SANDY SHALE/SANDSTONE/ RED SHALE
1680	1710	30.00	SANDSTONE/RED SHALE/SANDY SHALE
1710	1740	30.00	SANDY SHALE/SANDSTONE
1740	1750	10.00	SANDSTONE/SANDY SHALE

TOTAL DEPTH: 1750
 45.65' OF 13-3/8" PIPE
 405' OF 8-5/8" PIPE

OCT 17 2003

M. Dow 1779