

TEB Engineering Company, Inc.
 3000...
 703-261-1100

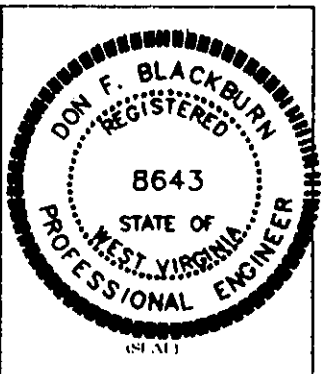
GeoMet Operating Company, Inc.
 Well No. PMC North 110-108-065

FILE NO. 1883-08
 DRAWING NO. WELL PMC-N-065 PLAT
 SCALE: 1" = 2,000'
 MIN. DEGREE OF ACCURACY 1:2,500
 PROVEN SOURCE OF ELEVATION
 GPS STATION TEC-1 (ELEV. 2403.60)

I, THE UNDER-SIGNED, 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: DECEMBER 27, 2012
 OPERATOR'S WELL NO. PMC NORTH 110-108-065

WELL NO. 47 - STATE 047 - COUNTY PERMIT 01748C

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

LOCATION: ELEVATION 2,090.31' WATER SHED RIGHT FORK OF LITTLE SLATE CREEK
 DISTRICT BIG CREEK COUNTY McDOWELL
 QUADRANGLE BRADSHAW

SURFACE OWNER POCAHONTAS MINING, LLC. ACREAGE 1,252
 CBM ROYALTY OWNER POCAHONTAS MINING, LLC. LEASE ACREAGE 1,252
 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 1,872'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT GREGG CLEARY
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 BIRMINGHAM, ALABAMA 35244
 ADDRESS 1105 HEATHERWOOD ROAD BLUEFIELD, WV 24701

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

MP

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands, L.P. OPERATOR WELL NO.: PMC North 065

LOCATION:

Elevation: 2,090.31' Quadrangle: Bradshaw

District: Big Creek County: McDowell
Latitude: 4,907 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 7,061 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>20.15'</u>	<u>20.15'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>329'</u>	<u>329'</u>	<u>136/Pumped 180</u>
Date Permit Issued: <u>February 13, 2003</u>				
Date Well Work Commenced: <u>March 13, 2003</u>	<u>5-1/2"</u>	<u>1941'</u>	<u>1941'</u>	<u>336/Pumped 468</u>
Date Well Work Completed: <u>April 25, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1975'</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): 355, 356, 425, 431, 490, 553, 561, 624, 625, 679, 693, 745, 877, 878, 879, 881, 1020, 1076, 1077, 1079, 1119, 1132, 1133, 1149, 1183, 1212, 1235, 1316, 1318, 1357, 1375, 1376, 1411, 1433, 1435, 1437, 1439, 1456, 1507, 1579, 1703, 1707, 1719, 1736

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 22 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:

September 2, 2003

SEP 19 2003

110

Well Name PMC NORTH 065
and Perforation

PBTD

1942'

	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	1182 1184			
N2 Scf	210000		20,000	9,000
Acid	450			
Gel Volume	8500			
ISIP	1544			
ATP	2906			
AIR	25	BPM		
	1210' - 1212'			
	31 Balls on Plug @ 1170'			
Stage 7 Interval	1118 1120		30,000	31,000
N2 Scf	229000			
Acid	450			
Gel Volume	10600			
ISIP	994			
ATP	2152			
AIR	27	BPM		
	1132' - 1134, 1148' - 1150'			
	1100'			
Stage 8 Interval	1076 1080		30,000	19,000
N2 Scf	198000			
Acid	200			
Gel Volume	6100			
ISIP	4000			
ATP	2998			
AIR	27	BPM		
	NO PLUG			
	SCREENED OUT SAND BRIDGE			
Stage 9 Interval	876 882		35,000	36,000
N2 Scf	168000			
Acid	200			
Gel Volume	9400			
ISIP	693			
ATP	1468			
AIR	30	BPM		
	NO PLUG			
Stage 10 Interval				
N2 Scf				
Acid				
Gel Volume				
ISIP				
ATP				
AIR				

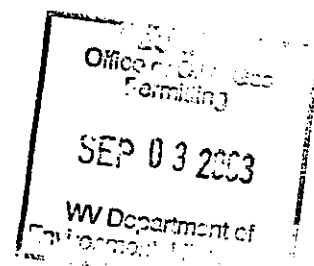
Mr. Dow 1/17/8

GEO-MET OPERATIONS

HOLE-PMC-065

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1025	1055	30.00	SAND/SANDSTONE
1055	1085	30.00	SANDSTONE/COAL/SAND
1085	1115	30.00	SAND/SANDSTONE/COAL@1113-1115'
1115	1145	30.00	SAND/COAL/SANDSTONE-34' COAL@1130'
1145	1175	30.00	SANDY SHALE
1175	1205	30.00	SANDSTONE/COAL/SANDSTONE/SAND 1178-1180-COAL
1205	1235	30.00	COAL STRKS/SAND/SANDSTONE/ COAL STRKS.
1235	1265	30.00	SANDSTONE/SAND
1265	1295	30.00	SAND/SANDSTONE
1295	1325	30.00	SANDSTONE/COAL/SANDST.-COAL-1310- 1113'
1325	1355	30.00	SANDSTONE/COAL/SAND-COAL-1350- 1353'
1355	1385	30.00	SANDSTONE/COAL/SAND-COAL-1370- 1372'
1385	1415	30.00	SAND/SANDSTONE/COAL STRKS/SAND 1405'-COAL
1415	1445	30.00	SANDSTONE/COAL/SANDSTONE 1430-1438' COAL
1445	1475	30.00	SANDSTONE/SAND
1475	1505	30.00	SAND/SANDSTONE/COAL/SANDSTONE 1500-1502' COAL
1505	1535	30.00	SAND/SANDSTONE
1535	1565	30.00	SAND/SHALE STRKS/SAND
1565	1595	30.00	SANDSTONE/SAND STRKS/SANDSTONE
1595	1625	30.00	SANDSTONE/SAND/SANDSTONE
1625	1655	30.00	SANDSTONE/SAND
1655	1685	30.00	SAND/SANDSTONE
1685	1715	30.00	SANDSTONE/COAL/SANDSTONE
1715	1745	30.00	SANDY SHALE
1745	1775	30.00	SANDSTONE/SAND
1775	1805	30.00	SANDY SHALE/SAND
1805	1835	30.00	SAND/SANDSTONE/COAL STRKS.
1835	1865	30.00	SAND/SANDSTONE
1865	1895	30.00	SANDY SHALE-RED SHALE-1870-1875'
1895	1925	30.00	SANDSTONE/SAND STRKS/SANDSTONE
1925	1955	30.00	SANDSTONE/RED SHALE/SAND STRKS
1955	1975	20.00	SANDY SHALE



M-Dow 1748

SEP 10 2003