

TEE Engineering Company, Inc.
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Lexington, KY 40509
(859) 263-5350
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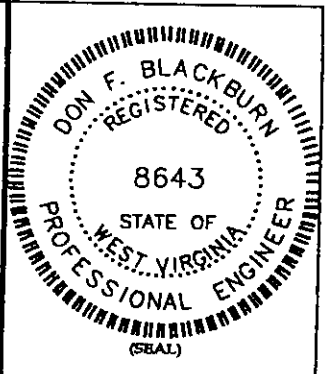
GeoMet Operating Company, Inc.
Well No. Pond Creek 105-106-125

FILE NO. 1883-08
DRAWING NO. WELL 125 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 DECEMBER 18, 2003
OPERATOR'S WELL NO. POND CREEK 105-106-125

API WELL NO. 47 - 047 - 01876C
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2,092.63' NORTHING 110741.23 EASTING 1766628.66
DISTRICT SANDY RIVER WATER SHED HITE FORK OF BRADSHAW 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 _____ 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 1,787'
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) DEC 18 2003

M. Dow 1876 C

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 LP OPERATOR WELL NO.: PC 105-106-125

LOCATION:

Elevation: 2,092.63' Quadrangle: Bradshaw

District: Sandy River County: McDowell
Latitude: 3,083 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 1,648 Feet West of 81 Deg. 47 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>22'</u>	<u>22'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Carlos Hively</u>	<u>8-5/8"</u>	<u>332'</u>	<u>332'</u>	<u>76 / Pumped 162</u>
Date Permit Issued: <u>February 3, 2004</u>				
Date Well Work Commenced: <u>3/16/2004</u>	<u>5-1/2"</u>	<u>1791'</u>	<u>1791'</u>	<u>310 / Pumped 332</u>
Date Well Work Completed: <u>3/30/2004</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable <u> </u> Rig <u> </u>				
Total Depth (feet): <u>1796'</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 26 2004

 WV Department of
 Environmental Protection

Coal Depths (feet): 332, 339, 349, 535, 603, 739, 767, 806, 849, 850, 1069, 1111, 1179, 1189, 1217, 1274, 1246, 1247, 1375, 1376, 1421, 1458, 1459, 1555, 1608, 1716

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 288 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: Karen Rife
DATE: 4/20/2004

McDowell 18716
 JUN 11 2004 9:16

GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name Pond Creek 125 PBTB 1790'

Zone and Perforation Table

Frac			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1608	1610				
N2 Scf	227,000		Plug @ 1570'		15,000	16,500
Acid	250	15%				
Gel Volume	4,460					
ISIP	1,917					
ATP	3,086					
AIR	28	BPM				
Stage 2 Interval	1,554	1556				
N2 Scf	265,000		Balls on Plug Plug @ 1500'			
Acid	250	15%				
Gel Volume	4,600					
ISIP	2,004					
ATP	3,076					
AIR	28	BPM				
Stage 3 Interval	1,457	1459				
N2 Scf	594,000		1472' - 1474' Ball Out Plug @ 1440'			
Acid	500	15%				
Gel Volume	14,070					
ISIP	1,534					
ATP	2,744					
AIR	35	BPM				
Stage 4 Interval	1,420	1422				
N2 Scf	229,000		36 Frac Balls On Plug @ 1390			
Acid	250	15%				
Gel Volume	4,650					
ISIP	1,481					
ATP	2,978					
AIR	22	BPM				
Stage 5 Interval	1,347	1349				
N2 Scf	310,000		1375' - 1377' Ball Out 36 Frac Balls On Plug @ 1240'			
Acid	500	15%				
Gel Volume	5,502					
ISIP	1,372					
ATP	2,592					
AIR	35	BPM				

Well Name Pond Creek 125

PBTD

1790'

Zone and Perforation Table

	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	1,177	1,179		
N2 Scf	367,000		35,000	35,800
Acid	500	15%		
Gel Volume	6,800			
ISIP	1,255			
ATP	2,463			
AIR	38	BPM		
	1216' - 1218' Ball Out Plug @ 1140'			
Stage 7 Interval	1,111	1,113	25,000	24,700
N2 Scf	376,000			
Acid	500			
Gel Volume	7,056			
ISIP				
ATP	2,684			
AIR	31	BPM		
	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				

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Mc Dow 1870

DRILL DATA HOLE -- NOAH HORN WELL DRILLING INC

COMPANY: GEOMET

HOLE NO.: PC-125

LOCATION: PEA PATCH

DRILL: RIG # 94

DATE STARTED: 03-15-04

DATE COMPLETED: 03-18-04

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION VOIDS ETC	
0	11	11	OVERBURDEN	
11	22	11	SAND STONE	21.55' W/ 13 3/8" CASING
22	30	8	SAND	
30	61	31	SAND / SANDY SHALE / SAND	
61	92	31	SAND / SANDY SHALE	
92	123	31	SANDY SHALE	
123	153	30	SANDY SHALE / SAND	
153	183	30	COAL / SANDY SHALE / SAND	
183	213	30	SAND / COAL	
213	243	30	SAND / SANDY SHALE	
243	273	30	SAND	
273	303	30	SAND / SANDY SHALE	
303	360	57	SANDY SHALE	332' W/ 8 5/8" CASING
360	390	30	SANDSTONE / SHALE / COAL STRK	
390	420	30	SANDY SHALE / COAL STR / SANDY SHALE	
420	450	30	SANDSTONE / SANDY SHALE STR	
450	480	30	SANDSTONE	
480	510	30	SANDSTONE / SANDY SHALE / COAL STR	
510	540	30	SANDY SHALE / COAL 52-30 / SANDY SHALE	
540	570	30	SANDSTONE / SANDY SHALE	
570	600	30	SANDY SHALE / COAL STR / SANDY SHALE /	COAL STR 2
600	630	30	SANDSTONE / SANDY SHALE STR /	SANDSTONE
630	660	30	SANDSTONE / COAL 2 / SANDY SHALE	
660	690	30	SANDY SHALE / SANDSTONE	
690	720	30	SAND / SANDY SHALE / SAND	
720	750	30	SANDY SHALE / COAL / SAND	
750	780	30	SAND / COAL / SANDY SHALE	
780	810	30	SANDY SHALE / COAL / SANDY SHALE	
810	840	30	SANDY SHALE / SAND	
840	870	30	SAND / COAL / SANDY SHALE	
870	930	60	SANDY SHALE	
930	960	30	SANDY SHALE / SAND	
960	990	30	SAND / SANDY SHALE / SAND	
990	1020	30	SAND / SANDY SHALE / SAND	
1020	1052	32	SAND	
1052	1082	30	SAND / SANDY SHALE / COAL / SANDY SHALE	
1082	1112	30	SANDY SHALE / COAL / SANDY SHALE	
1112	1172	60	SANDY SHALE	
1172	1232	60	SANDY SHALE / COAL / SANDY SHALE	
1232	1262	30	SANDY SHALE / SAND	
1262	1322	60	SAND / SANDY SHALE / SAND	

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 GEOMET OPERATING CO
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FROM	TO	FT.	DESCRIPTION
1322	1352	30	SANDY SHALE / SAND
1352	1382	30	SAND / SANDY SHALE
1382	1412	30	SANDY SHALE / SAND / SANDY SHALE
1412	1442	30	SANDY SHALE / COAL / SANDY SHALE
1442	1472	30	SANDY SHALE / COAL / SAND
1472	1505	33	SANDSTONE / SANDY SHALE / COAL STR / SANDY SHALE
1505	1535	30	SANDY SHALE / SANDSTONE W SANDY SHALE STR
1535	1565	30	SANDSTONE / SANDY SHALE / SANDSTONE / SANDY SHALE
1565	1595	30	SANDY SHALE / SANDSTONE / SHALE STRK W COAL
1595	1625	30	SANDY SHALE / COAL STR / SANDSTONE
1625	1655	30	SANDY SHALE
1655	1685	30	SANDY SHALE / SHALE / SANDY SHALE
1685	1715	30	SANDY SHALE / SHALE STR
1715	1745	30	SANDY SHALE
1745	1775	30	SANDSTONE / SANDY SHALE
1775	1795	20	SAND / SANDY SHALE TD 7 7/8" HOLE 1794.2' W/ 5 1/2" CASING

1795.00 FT. TOTAL DEPTH
 21.55 FT. OF 13 3/8" CASING
 332.00 FT. OF 8 5/8" CASING
 1794.20 FT. OF 5 1/2" CASING

NOV 11 2004

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