

TEE Engineering Company, Inc.
520 Coburn Hill Court
Lexington, KY 40509
(607) 263-5330
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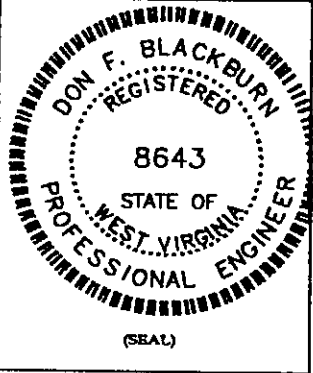
GeoMet Operating Company, Inc.
Well No. Pond Creek 114-102-133

FILE NO. 1883-08/2003 WELLS
DRAWING NO. POND CREEK 133 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 FEBRUARY 16, 2003
OPERATOR'S WELL NO. POND CREEK 114-102-133
API WELL NO. 47 - 047 - 01879C
STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS X CBM LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW _____
LOCATION: ELEVATION 2,088.60' NORTHING 102724.72 EASTING 1784985.88
DISTRICT BIG CREEK WATER SHED STRAIGHT FORK OF 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 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 1,679'
WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 206 ADDRESS 330 HARPER PARK DRIVE SUITE A
BIRMINGHAM, ALABAMA 35244 BECKLEY, WV 25801

6-6 Bradshaw-CBM(383)

McDow 1879 C

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 LP OPERATOR WELL NO.: PC 114-103-133

LOCATION:

Elevation: 2,088.6' Quadrangle: War

District: Big Creek County: McDowell
Latitude: 8,903 Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude: 4,341 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>29'</u>	<u>29'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Carlos Hively</u>	<u>8-5/8"</u>	<u>332'</u>	<u>332'</u>	<u>74.5 / Pumped 108</u>
Date Permit Issued: <u>March 31, 2004</u>				
Date Well Work Commenced: <u>May 27, 2004</u>	<u>5-1/2"</u>	<u>1710'</u>	<u>1710'</u>	<u>296 / Pumped 273</u>
Date Well Work Completed: <u>June 14, 2004</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1718'</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>				

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Coal Depths (feet): 370, 423, 461, 496, 563, 617, 909, 911, 970, 981, 1010, 1071, 1162, 1163, 1190, 1191, 1220, 1221, 1264, 1377, 1378, 1379, 1451, 1493, 1568

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 245 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: [Signature]
BY: Karen Aye
DATE: July 7, 2004

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McDowell 1879

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: GEOMET

HOLE #: PC-133

LOCATION: BUG HURLEY

DRILL RIG #: 94

DATE STARTED: 05-26-04

DATED COMPLETED: 05-31-04

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	20	20	OVERBURDEN	
20	34	14	SHALE 22.4' W/ 13 3/8" CASING	
34	65	31	SAND	
65	96	31	SANDY SHALE	
96	127	31	SHALE / COAL/SANDY SHALE	
127	158	31	SANDY SHALE / SAND	
158	190	32	SAND / SANDY SHALE	
190	220	30	SANDY SHALE / SAND	
220	250	30	SAND / SANDY SHALE	
250	280	30	SANDY SHALE / COAL / SAND	
280	310	30	SANDY SHALE / SAND	
310	340	30	SAND / SANDY SHALE	
			332' W/ 8 5/8" CASING	
340	360	20	SAND STONE / SANDY SHALE	
360	390	30	SANDY SHALE / 3 FT COAL / SAND STONE / SANDY SHALE	
390	420	30	SAND STONE / SANDY SHALE / SAND STONE / COAL STR	
420	450	30	2 FT COAL / SAND STONE / SANDY SHALE	
450	480	30	SAND STONE / COAL / SANDY SHALE	
480	510	30	SANDY SHALE / COAL / SANDY SHALE	
510	540	30	SANDY SHALE / SAND	
540	570	30	SAND/COAL/SHALE	
570	600	30	SHALE/SANDY SHALE/SAND	
600	630	30	SANDY SHALE	
630	660	30	SANDY SHALE/SAND	
660	690	30	SAND/SANDY SHALE	
690	720	30	SANDY SHALE/SAND/SANDY SHALE	
720	750	30	SAND/SANDY SHALE	
750	780	30	SANDY SHALE/SAND	
780	810	30	SAND	
810	840	30	SAND STONE / COAL STR / SANDY SHALE	
840	870	30	SAND STONE / SANDY SHALE / SAND STONE	
870	900	30	SANDY SHALE/SAND STONE	
900	930	30	SAND STONE / COAL 3FT / SANDY SHALE	
930	960	30	SANDY SHALE / SAND STONE	
960	990	30	SANDSTONE / COAL 2 / SANDY SHALE / SAND STONE	

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 GEOMET OPERATING CO
 POND CREEK 133

FROM	TO	FT.	DESCRIPTION
990	1020	30	SAND STONE / SANDY SHALE
1020	1050	30	SAND STONE / SANDY SHALE STR
1050	1080	30	SANDY SHALE / SAND STONE / COAL / SAND STONE
1080	1110	30	SAND STONE / SANDY SHALE
1110	1140	30	SANDY SHALE / COAL STR/SAND STONE STR
1140	1170	30	SANDY SHALE / COAL STR / SAND STONE
1170	1200	30	SAND STONE / SANDY SHALE STR / SAND STONE
1200	1230	30	SANDY SHALE / COAL STR / SAND STONE
1230	1260	30	SANDY SHALE / 3 FT COAL/ SAND STONE
1260	1290	30	SAND STONE
1290	1320	30	SAND STONE / SANDY SHALE
1320	1350	30	SANDY SHALE / SAND STONE
1350	1380	30	SNAD STONE/COAL 2/SANDY SHALE
1380	1410	30	SANDY SHALE / POSS COAL STR/ SAND STONE
1410	1440	30	SAND SHALE / SAND STONE
1440	1470	30	SHALE/ SAND
1470	1500	30	SHALE/ SAND/SANDY SHALE
1500	1530	30	SHALE /SAND
1530	1560	30	SANDY SHALE / COAL /SHALE
1560	1590	30	SHALE/SAND
1590	1620	30	SAND
1620	1650	30	SANDY SHALE / SAND
1650	1680	30	SAND / SANDY SHALE
1680	1710	30	SHALE / SANDY SHALE

1710.00 FT. TOTAL DEPTH
 22.40 FT. OF 13 3/8" CASING
 332.00 FT. OF 8 5/8" CASING

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GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name Pond Creek 133 PBTB 1690'

Zone and Perforation Table

Frac			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1567'	1569'				
N2 Scf	252,000		1405'		10,000	10,000
Acid	450	15%				
Gel Volume	6,170	GAL				
ISIP	2,321					
ATP	3,775					
AIR	14	BPM				
Stage 2 Interval	1,377	1379				
N2 Scf	250,000		36 Perf Balls on Plug @ 1280'			
Acid	50	15%				
Gel Volume	6,225	GAL				
ISIP	1,585					
ATP	2,805					
AIR	29	BPM				
Stage 3 Interval	1,220	1222				
N2 Scf	247,000		1263' - 1265' B/O; 36 Frac Balls On Plug @ 1205'			
Acid	450	7.5%				
Gel Volume	8,687	GAL				
ISIP	1,241					
ATP	2,294					
AIR	30	BPM				
Stage 4 Interval	1,161	1163				
N2 Scf	257,000		1190' - 1192' B/O; 36 Frac Balls On Plug @ 1030'			
Acid	450	15%				
Gel Volume	8,452	GAL				
ISIP	1,263					
ATP	2,402					
AIR	31	BPM				
Stage 5 Interval	969	971				
N2 Scf	192,000		1009' - 1011' B/O; 36 Frac Balls On Plug @ 950'			
Acid	450	15%				
Gel Volume	8,214					
ISIP	1,176					
ATP	2,286					
AIR	26	BPM				

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Well Name Pond Creek 133

PBTD

1690'

Zone and Perforation Table

Stage Interval	910	912	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	910	912				
N2 Scf	204,000		929' - 931 B/O; No Plug		25,000	23,000
Acid	450	15%				
Gel Volume	7,555					
ISIP	1,355					
ATP	2,613					
AIR	28	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						

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