

TEE Engineering Company, Inc.
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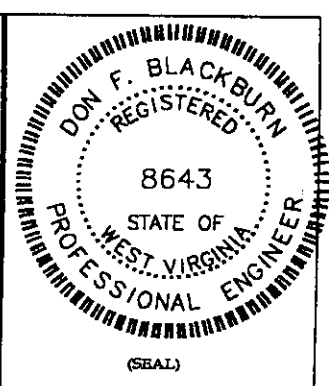
GeoMet Operating Company, Inc.
 Well No. Pond Creek 102-105-019

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. WELL 19 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 JUNE 18, 2003
 OPERATOR'S WELL NO. POND CREEK 102-105-019

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

LOCATION: ELEVATION 2,193.95' NORTHING 109879.79 EASTING 1761105.78
 DISTRICT SANDY RIVER WATER SHED DRY MONDAY BRANCH
 QUADRANGLE BRADSHAW COUNTY McDOWELL

SURFACE OWNER PLUM CREEK TIMBERLANDS, L.P. ACREAGE 9,909.37
 CBM ROYALTY OWNER PLUM CREEK TIMBERLANDS, L.P. LEASE ACREAGE 9,909.37
 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 2,142'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 BIRMINGHAM, ALABAMA 35244
 ADDRESS 330 HARPER PARK DRIVE SUITE A BECKLEY, WV 25801

(Bradshaw 270)

AUG 08 2003

M-C Dev 1821 C

RECEIVED
Office of Oil & Gas
JAN 09 2004
WV Department of
Environmental Protection

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

MJ

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands OPERATOR WELL NO.: PC 102-105-019

LOCATION:
Elevation: 2,193.95' Quadrangle: Bradshaw

District: Sandy River County: McDowell
Latitude: 8,598 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 12,558 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>18'</u>	<u>18'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Carlos Hively</u>	<u>7"</u>	<u>313'</u>	<u>313'</u>	<u>114 / Pumped 216</u>
Date Permit Issued:				
Date Well Work Commenced: <u>Sept. 20, 2003</u>	<u>4-1/2"</u>	<u>1995'</u>	<u>1995'</u>	<u>201 / Pumped 241</u>
Date Well Work Completed: <u>October 17, 2003</u>				
Verbal Plugging:				
Date Permission granted on: <u>August 7, 2003</u>				
Rotary <u>XXXX</u> Cable <u>Rig</u>				
Total Depth (feet): <u>1994'</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>				

Coal Depths (feet): 322, 323, 325, 339, 347, 657, 734, 782, 783, 784, 849, 923, 967, 1211, 1212, 1213, 1279, 1288, 1313, 1314, 1377, 1491, 1493, 1494, 1515, 1585, 1586, 1662, 1663, 1706, 1711, 1829, 2003.

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 23 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: 1-7-04

McDow. 1821

FEB 9 2004

GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name Pond Creek 019 PBTB 2000'

Zone and Perforation Table

Frac Stage	Interval		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	1	2				
Stage 1 Interval	1710	1712	No Plugs		20,000	20,500
N2 Scf	119,000					
Acid	50					
Gel Volume	6,930					
ISIP	1,208					
ATP	2,263					
AIR	10	BPM				
Stage 2 Interval	1,661	1663				
N2 Scf	177,000					
Acid	50					
Gel Volume	8,330					
ISIP	1,267					
ATP	2,111					
AIR	12	BPM				
Stage 3 Interval	1,607	1,609				
N2 Scf	202,000					
Acid	150					
Gel Volume	6,400					
ISIP	1,297					
ATP	3,192					
AIR	11	BPM				
Stage 4 Interval	1,583	1586				
N2 Scf	176,000					
Acid	50					
Gel Volume	7,641					
ISIP	1,394					
ATP	2,768					
AIR	12	BPM				
Stage 5 Interval	1,514	1516				
N2 Scf	113,000					
Acid	50					
Gel Volume	7,266					
ISIP	1,313					
ATP	2,477					
AIR	12	BPM				

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FEB 20 2004

Well Name Pond Creek 019

PBTD

2000'

Zone and Perforation Table

			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	1,490	1,493				
N2 Scf	239,000				30,000	30,000
Acid	100					
Gel Volume	9,114					
ISIP	1,204					
ATP	2,938					
AIR	13	BPM				
Stage 7 Interval	1,312	1,314			15,000	15,000
N2 Scf	131,000					
Acid	50					
Gel Volume	6,930					
ISIP	1,376					
ATP	2,588					
AIR	12	BPM				
Stage 8 Interval	1,278	1,280			15,000	15,000
N2 Scf	144,000					
Acid	130					
Gel Volume	6,804					
ISIP	1,419					
ATP	2,885					
AIR	11	BPM				
Stage 9 Interval	1,211	1,214			25,000	25,000
N2 Scf	163,000					
Acid	100					
Gel Volume	8,484					
ISIP	1,088					
ATP	2,078					
AIR	13	BPM				
Stage 10 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR						

DRILL DATA HOLE - NOAH HORN WELL DRILLING INC

COMPANY: GEOMET OPERATONG CO HOLE NO.: PC-019

LOCATION: BUG HURLEY HOLLOW DRILL: RIG # 94

DATE STARTED: 09-18-2003 DATE COMPLETED: 09-24-2003

ELECTRIC LOGGED: YES GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS ETC
0	4	4	OVERBURDEN	
4	18	14	SANDY SHALE/SANDSTONE / SANDY SHALE	18' W/ 13 3/8" CASING
18	25	7	SHALE	
25	56	31	SANDY SHALE / COAL STR	
56	87	31	SHALE / SANDS TR	
87	118	31	SANDY SHALE / COAL STR / SANDSTONE / SANDY SHALE	
118	150	32	SANDY SHALE / COAL STR / SANDSTONE	
150	180	30	SANDY SHALE	
180	210	30	SANDY SHALE / SANDSTONE STR	
210	240	30	SANDSTONE	
240	270	30	SANDSTONE / SANDY SHALE STR	
270	300	30	COAL STR / SANDY SHALE/SANDSTONE STR	
300	330	30	SANDY SHALE / COAL STR / SANDY SHALE / COAL STR / SANDSTONE	313' W/ 7" CASING
330	360	30	SANDY SHALE / COAL STR / SANDSTONE	
360	390	30	SANDY SHALE / SANDSTONE / COAL 385'-390'	
390	420	30	SANDY SHALE / COAL STR/SANDSTONE STR	
420	450	30	SANDSTONE STR/SANDY SHALE/ COAL STR	
450	480	30	SHALE / SANDSTONE STR / POSS. COAL STR	
480	510	30	SANDY SHALE / SANDSTONE STR	
510	538	28	SANDSTONE / SANDY SHALE	
538	540	2	COAL	
540	570	30	SANDSTONE / SHALE STR	
570	600	30	SANDSTONE / SANDY SHALE/ POSS. COAL STR	
600	630	30	SANDY SHALE / POSS. COAL	
630	690	60	SANDY SHALE / SANDSTONE STR	
690	695	5	SANDSTONE / SHALE STR	
695	697	2	COAL STR	
697	750	53	SANDSTONE / SHALE STR	
750	775	25	SANDSTONE / COAL STR / SANDY SHALE	
775	777	2	COAL	
777	780	3	SANDSTONE / COAL STR / SANDY SHALE	
780	810	30	SANDSTONE / SHALE STR	
810	840	30	SANDSTONE/SANDY SHALE STR / COAL STR	
840	870	30	SANDSTONE	

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FEB 2 0 2004

FROM	TO	FT.	DESCRIPTION
870	900	30	SANDSTONE / COAL STR / SANDY SHALE
900	930	30	SANDY SHALE / COAL STR/SANDSTONE STR
930	960	30	SANDY SHALE / SANDSTONE STR / COAL STR 957'-959'
960	1020	60	SANDY SHALE
1020	1050	30	SANDY SHALE / SANDSTONE
1050	1080	30	SANDSTONE
1080	1110	30	SANDSTONE / SANDY SHALE
1110	1140	30	SANDY SHALE / SANDSTONE
1140	1170	30	SANDSTONE / COAL 1155'-1157' / SHALE / SANDSTONE
1170	1200	30	SANDSTONE / COAL 1185'-1187' / SANDY SHALE / COAL 1199'
1200	1230	30	COAL 1200'-1202' / SANDSTONE / SANDY SHALE
1230	1260	30	SANDY SHALE / COAL STR
1260	1290	30	SANDY SHALE / COAL STR 2
1290	1320	30	SANDY SHALE / COAL STR / SANDSTONE
1320	1350	30	SANDSTONE
1350	1380	30	SAND / SANDY SHALE STR
1380	1410	30	SANDY SHALE / POSS. COAL STR / SANDSTONE STR
1410	1440	30	SANDSTONE / SANDY SHALE
1440	1470	30	SANDSTONE / SANDY SHALE STR / SANDSTONE
1470	1500	30	SANDSTONE / SANDY SHALE
1500	1530	30	SANDY SHALE
1530	1560	30	SANDY SHALE / SANDSTONE/ SANDY SHALE
1560	1590	30	SANDY SHALE / COAL 2 / SANDY SHALE
1590	1620	30	COAL STR / SANDSTONE
1620	1650	30	SANDSTONE
1650	1680	30	SANDY SHALE / SANDSTONE
1680	1710	30	SANDY SHALE / COAL STR / SANDY SHALE
1710	1740	30	SANDY SHALE / SANDSTONE / COAL STR
1740	1770	30	SANDSTONE / SANDY SHALE / COAL STR
1770	1800	30	SANDY SHALE / SANDSTONE STR / POSS. COAL
1800	1830	30	SANDY SHALE / SANDSTONE / POSS. COAL / SANDY SHALE
1830	1860	30	SANDY SHALE / POSS. COAL STR -TOP RED
1860	1890	30	SANDY SHALE / SANDSTONE
1890	1920	30	SANDSTONE
1920	1980	60	SANDSTONE / SANDY SHALE STR
1980	1995	15	SANDY SHALE TD 6 1/2" HOLE 1994.87' W/ 4 1/2' CASING

1994.87 FT. TOTAL DEPTH
 18.00 FT. OF 13 3/8" CASING
 313.00 FT. OF 7" CASING
 1995.00 FT. OF 4 1/2" CASING