

Latitude

Longitude

CG 07 18

Topo Location

7.5' Loc. _____ 15' Loc. _____
(calc.) _____

Company Geo Met

Farm Plum CK

15' Quad _____
(sec.)

7.5' Quad Baileysville

District _____

WELL LOCATION PLAT

County 109 Permit 2212

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

ASB

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands, L.P. OPERATOR WELL NO.: LASHER 001

LOCATION:

Elevation: 1,788.25' Quadrangle: Baileysville

District: Huff Creek County: Wyoming
Latitude: 7,488 Feet South of 37 Deg. 32 Min. 30 Sec.
Longitude: 13,455 Feet West of 81 Deg. 40 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>18.65'</u>	<u>18.65'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>331'</u>	<u>331'</u>	<u>137/Pumped 204</u>
Date Permit Issued: <u>December 12, 2002</u>				
Date Well Work Commenced: <u>December 30, 2002</u>	<u>5-1/2"</u>	<u>1709.45'</u>	<u>1709.45'</u>	<u>296/Pumped 358</u>
Date Well Work Completed: <u>April 17, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable <u> </u> Rig <u> </u>				
Total Depth (feet): <u>1710'</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): 326, 327, 328, 330, 331, 348, 361, 363, 650, 651, 746, 747, 785, 786, 899, 948, 988, 989, 1023, 1294, 1389, 1390, 1393, 1395, 1443, 1444, 1508, 1509

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 18 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: Sundrea Smith
 DATE: Sept. 2, 2003

SEP 19 2003

WYO 2212

Well Name LASHER 001

PBTD

1710'

Zone and Perforation Table

Stage Interval	745	748	Ball Out yes	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	745	748				
N2 Scf	211,000		784' - 787' Ball Out	700'	18,000	20,000
Acid	450	15%				
Gel Volume	6,300	GAL				
ISIP	1028					
ATP	2690					
AIR	25	BPM				
Stage 7 Interval	650	653			24,000	26,000
N2 Scf	144,000		No Plug			
Acid	200	15%				
Gel Volume	6,800	GAL				
ISIP	839					
ATP	1820					
AIR	25 BPM					
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						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR						

WYO 2212

GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name LASHER 001 PBTB 1710'

Zone and Perforation Table

Frac Stage	Interval		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1508	1511				
N2 Scf	315,000					18,000
Acid	250	15%				
Gel Volume	10,800	GAL				
ISIP	1833					
ATP	3775					
AIR	3955	BPM				
Stage 2 Interval	1388	1392			30,000	32,000
N2 Scf	370,000					
Acid	200	15%		1430'		
Gel Volume	10500	GAL		Before Frac		
ISIP	1402			Frac Balls on Plug		
ATP	3560			1150'		
AIR	18	BPM				
Stage 3 Interval	1021	1024			20,000	18,000
N2 Scf	184,000					
Acid	200	15%				
Gel Volume	6500	GAL		No Plug		
ISIP	2422					
ATP	2650					
AIR	22	BPM				
Stage 4 Interval	987	990			22,000	13,000
N2 Scf	224,000					
Acid	200	15%				
Gel Volume	7,000			No Plug		
ISIP	2240					
ATP	3480					
AIR	20	BPM				
Stage 5 Interval	898	901			18,000	20,000
N2 Scf	231,000					
Acid	450	15%				
Gel Volume	6,500	GAL		947' - 950'		
ISIP	1290			Ball Out		
ATP	2920			30 Balls On Plug		
AIR	20	BPM		840'		

DRILL DATA HOLE – NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO. HOLE NO.: LASHER 001

LOCATION: PAD FORK DRILL: RIG # 23

DATE STARTED: 12-30-2002 DATE COMPLETED: 01-09-2003

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	5.00	5.00	OVERBURDEN	
5.00	19.00	14.00	SANDY SHALE / SAND	
				18.65' W/ 13 3/8" CASING
19.00	30.00	11.00	SANDSTONE	
30.00	61.00	31.00	SAND / COAL STR / SANDY SHALE	
61.00	92.00	31.00	SANDY SHALE / SAND / COAL STR	
92.00	123.00	31.00	SAND / SANDY SHALE / SAND	
123.00	154.00	31.00	SANDSTONE	
154.00	185.00	31.00	SAND / SANDY SHALE / SAND	
185.00	215.00	30.00	SAND / COAL STR / SANDY SHALE	
215.00	245.00	30.00	SANDY SHALE / SAND	
245.00	275.00	30.00	SAND / SANDY SHALE	
275.00	305.00	30.00	SANDY SHALE	
305.00	335.00	30.00	SANDY SHALE / SAND	
335.00	345.00	10.00	SANDSTONE	331' W/ 8 5/8" CASING
345.00	365.00	20.00	SAND / SANDY SHALE / COAL STR	
365.00	395.00	30.00	SAND / SANDY SHALE	
395.00	425.00	30.00	SANDY SHALE / SAND STR	
425.00	455.00	30.00	SAND / SANDY SHALE	
455.00	485.00	30.00	SAND / COAL STR / SANDY SHALE	
485.00	515.00	30.00	SANDY SHALE	
515.00	545.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
545.00	575.00	30.00	SANDY SHALE / SAND STR	
575.00	605.00	30.00	SANDY SHALE / SAND	
605.00	635.00	30.00	SAND / SANDY SHALE	
635.00	665.00	30.00	SANDY SHALE / COAL / SAND	
665.00	695.00	30.00	SAND / SANDY SHALE STR	
695.00	725.00	30.00	SAND / SANDY SHALE / SAND	
725.00	755.00	30.00	SAND / COAL STR / SANDY SHALE	
755.00	785.00	30.00	SANDY SHALE / SAND	
785.00	815.00	30.00	SAND / SANDY SHALE STR	
815.00	875.00	60.00	SANDY SHALE	
875.00	905.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE	
905.00	935.00	30.00	SANDY SHALE / SAND	
935.00	965.00	30.00	SAND STR / COAL STR / SANDY SHALE	
965.00	995.00	30.00	SANDY SHALE / COAL STR / SANDY SHALE	
995.00	1025.00	30.00	SAND STR / SANDY SHALE / COAL	
1025.00	1055.00	30.00	SANDY SHALE / SAND STR / SANDY SHALE	
1055.00	1145.00	90.00	SAND / SANDY SHALE / SAND	
1145.00	1170.00	25.00	SAND / SANDY SHALE	
1170.00	1200.00	30.00	HARD SAND	
1200.00	1230.00	30.00	HARD SANDSTONE	

Office of Oil & Gas
Permitting

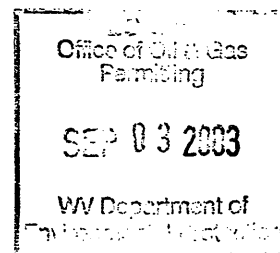
SEP 03 2003

WV Department of
Environmental Protection

PAGE 2
 GEOMET OPERATING CO
 LASHER 001

FROM	TO	FT.	DESCRIPTION
1230.00	1290.00	60.00	SAND / SANDY SHALE / COAL
1290.00	1320.00	30.00	SAND / SANDY SHALE / SAND
1320.00	1350.00	30.00	SANDY SHALE / SAND / SANDY SHALE
1350.00	1380.00	30.00	SAND / SANDY SHALE STR
1380.00	1410.00	30.00	COAL / SAND / SANDY SHALE / SAND
1410.00	1440.00	30.00	SAND / SANDY SHALE / COAL
1440.00	1470.00	30.00	SANDY SHALE / SAND
1470.00	1500.00	30.00	HARD SAND / SHALE STR
1500.00	1530.00	30.00	SANDY SHALE / SHALE
1530.00	1560.00	30.00	SHALE / HARD SAND / SHALE STR
1560.00	1590.00	30.00	SAND / SHALE STR
1590.00	1620.00	30.00	SAND / SANDY SHALE
1620.00	1650.00	30.00	SAND STR / SANDY SHALE / SHALE
1650.00	1680.00	30.00	SHALE / SANDY SHALE / SAND STR
1680.00	1710.00	30.00	SAND / SANDY SHALE / SHALE / SAND
			1709.45' W/ 5 1/2" CASING
1710.00	1740.00	30.00	SAND / SANDY SHALE / POSS. SHALE
1740.00	1750.00	10.00	SHALE OR SANDY SHALE

1750.00 FT. TOTAL DEPTH
 18.65 FT. OF 13 3/8" CASING
 331.00 FT. OF 8 5/8" CASING
 1709.45 FT. OF 5 1/2" CASING



WYO 2212