Dip J

7800007544 — 49 miles — 7800004105 FIREBIRD — 41 miles — 7800006878 DENISON — 36 miles — 7800002565 CONSUMERS PAN AM (GRIMSBY FM) — 6 miles — 7800008512 PEMBINA CENTRAL (GRIMSBY FM) — 27 miles — 34007600010 RESERVE ENVIROMENTAL SERVICES — 12 miles — 34007201103 BRAYMAN — 16 miles — 3703920593 HEAD (MEDINA GP) — 13 miles — 3708520116 FLECK (MEDINA GP) — 61 miles — 3700521201 MARTIN (HUNTERSVILLE CHERT) — 66 miles — 3700920034 SCHELLSBURG

Dip J'

ON | OH | OH | PA

NW

SE

4000

3000

2000

1000

0

Tie well with strike line A-A'

Tie well with strike line B-B'

Tie well with strike line C-C'

Tie well with strike line D-D'

Tie well with strike line E-E'

Tie well with strike line F-F'

Mapped Units

Informal units used for correlation purposes and mapping within the project. Stratigraphic names as used within each state are shown within log columns.

Top of Ordovician

Facies relationships for all units in the uppermost portion of the Ordovician are not shown.

"Kope"

"Utica"

"Trenton/Lexington"

Datum

"Black River"

"Gull River"

"Wells Creek"

Top of Knox

Juniata Fm

Bald Eagle Fm

Reedsville Fm

Queenston Fm

Oswego Ls

Blue Mountain Fm

Georgian Bay Fm

Cincinnati Unc

Utica Fm

Point Pleasant Fm

Trenton Ls

Black River Gp

Wells Creek Fm

Gatesburg Fm

Knox Dol

Loysburg Fm

Beekmantown Gp

Cambrian

Trenton Gp

Glenwood Fm

Wells Creek Fault

Possible correlation line

?

TD=3608 | TD=3785 | TD=3670 | TD=4525 | TD=4802 | TD=6060 | TD=6907 | TD=7163 | TD=9246 | TD=15574 | TD=11850

Cored interval: 4540-6065 feet

Plate 1-11

Stratigraphic Cross Section Dip Line J-J'
based on Geophysical Well Logs

Trenton-Black River Appalachian Basin Research Consortium

Datum: top of Black River Group

Vertical scale shown in feet; well logs equally spaced with horizontal distance labeled in miles

Partial funding provided by the U.S. Department of Energy
Contract Number DE-FC26-03NT41856

APINO* 3703920593 HEAD — Lease name — Well type

Producing Formation MEDINA GP

*Indiana wells: Well identification numbers were provided by the Indiana Geological Survey and are not in the standard APINO format. Ontario wells: Well identification numbers were provided by the Ontario Geological Survey and the Ohio Geological Survey assigned pseudo APINO numbers.

WELL SYMBOL AND STATUS

Dry hole — Storage
Gas — Stratigraphic test
Oil — Observation
Oil and gas — Unknown
Injection

February 22, 2006