

TBR Website & Database



Current Work

- Work on Cross Section data:
 - Implement into IMS
 - Redesign of TBR basemap
 - Add Michigan and Indiana
 - Provide new user features
 - Provide new layer
 - Provide downloadable files on website
 - Incorporate associated LAS files on website and IMS
- Integrate TBR Production data:
 - Implement into IMS
 - Provide new layer
 - Provide downloadable files on website
- Incorporate SEM data into website/database
 - Into IMS?
- Acquire more data!
 - Well info (headers, location data, etc)
 - Other

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- **Work on Cross Section data:**
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 - **Into IMS?**
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 - Other

Current Work

- To Revamp FTP
 - Clean up current structure
 - Add new directories
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- Incorporate SEM data into website/database
 - Into IMS?
- **Acquire more data!**
 - **Well info (headers, location data, etc)**
 - **Other**

TABLE:
Trenton Wells Header

API (PK)
NEEDINFO
StateNo
CntyNo
PrmtNo
LatDD
LonDD
UTME
UTMN
Suffix
SpudMn
SpudDy
SpudYr
PlugMn
PlugDy
PlugYr
CompMn
CompDy
CompYr
Status
Farm
WellNum
CoNum
Mineral_owner
Operator
Elev
Datum type
Field
DeepFm
DeepFmTstd
InitClass
FinalClass
WellTyp
RigTyp
CmpMth
TD
NewFtg
ExplFtg
GasBfr
GasAfr
NatPress
NatTime
TrtPress
TrtTime
top TRNT md
datum-TRNT top
datum type TRNT top
TRNT top subsea
Logs_Avail
Log_intl
Logs_Lnk
Samples_Avail
Samples_Lnk
Cores_Avail
Cores_Lnk
Comments

TABLE:
Trenton Wells LAS

API
LogType
TopIntvl
BotIntvl
FormTotalDepth
LAS_Filename
LAS_Filesize (KB)
Comments
Entered
Provided_By

TABLE:
Trenton Wells TIFFs

API
LogType
TIFF_Filename
TIFF_Filesize(KB)
Entered
Provided_By

TABLE:
Trenton Wells XSecs

API
Xsec_ID
Xsec_Filename
Xsec_Filesize(KB)
Entered
Provided_By

TABLE:
Trenton Wells Cores

API
CoreNo
Core_Filename
Core_Filesize(KB)
Entered
Provided_By

TABLE:
API Codes

country
state_code
state_name
state_abbrev
county_code
county_long_name
county_short_name

TABLE:
Production Oil

API (PK)
ProdFirstYr
yr1947
yr1970
yr1971
yr1972
yr1973
yr1974
yr1975
yr1976
yr1977
yr1978
yr1979
yr1980
yr1981
yr1982
yr1983
yr1984
yr1985
yr1986
yr1987
yr1988
yr1989
yr1990
yr1991
yr1992
yr1993
yr1994
yr1995
yr1996
yr1997
yr1998
yr1999
yr2000
yr2001
yr2002
yr2003
yr2004
Cummulative
Entered
Provided_By

TABLE:
Production Gas

API (PK)
ProdFirstYr
yr1947
yr1970
yr1971
yr1972
yr1973
yr1974
yr1975
yr1976
yr1977
yr1978
yr1979
yr1980
yr1981
yr1982
yr1983
yr1984
yr1985
yr1986
yr1987
yr1988
yr1989
yr1990
yr1991
yr1992
yr1993
yr1994
yr1995
yr1996
yr1997
yr1998
yr1999
yr2000
yr2001
yr2002
yr2003
yr2004
Cummulative
Entered
Provided_By

TABLE:
Production Water

API (PK)
ProdFirstYr
yr1947
yr1970
yr1971
yr1972
yr1973
yr1974
yr1975
yr1976
yr1977
yr1978
yr1979
yr1980
yr1981
yr1982
yr1983
yr1984
yr1985
yr1986
yr1987
yr1988
yr1989
yr1990
yr1991
yr1992
yr1993
yr1994
yr1995
yr1996
yr1997
yr1998
yr1999
yr2000
yr2001
yr2002
yr2003
yr2004
Cummulative
Entered
Provided_By

Attribute Name	Attribute Description	Attribute Type	Given Actual Attribute Values or Examples (in quotations)
API	Well's full 14 digit API Number (unique key)	num, 14d	"47001123450000"
NEEDINFO	(have info for well but no header data)	varchar	(where I only have info from) "LAS", "TIFF", "Prod_Gas"
StateNo	State API Number (incorporated in API)	num, 2d	13, 16, 21, 31, 34, 37, 47, 78
CntyNo	County API Number (incorporated in API)	Num, 3d	
PrmtNo	Permit Number (incorporated in API)	num, 5d	
LatDD	Latitude (in NAD83)	num, 10d	
LonDD	Longitude (in NAD83)	num, 10d	
UTME	UTM Easting (in NAD83)	num	
UTMN	UTM Northing (in NAD83)	num	
Suffix		varchar(25)	Original Loc, Drilled Deeper, Worked Over, Dvtd Drld Dpr, Dvtd Worked Over, Dvtd Orig Drillg
SpudMn	Spud Month	num, 2d	
SpudDy	Spud Day	num, 2d	
SpudYr	Spud Year	num, 4d	
PlugMn	Plug Month	num, 2d	
PlugDy	Plug Day	num, 2d	
PlugYr	Plug Year	num, 4d	
CompMn	Completion Month	num, 2d	
CompDy	Completion Day	num, 2d	
CompYr	Completion Year	num, 4d	
Farm	Farm	varchar(100)	
WellNum	Well Number	varchar(15)	
CoNum	Company Number	num?	
Mineral_owner	Mineral Owner	varchar	
Operator	Operator	varchar	
Elev	Elevation	num, 5d	
Datum type	Datum (Elevation) Type	varchar(25)	Barometer, Casing, Derrick Floor, Casing Flange, Ground Level, Kelly Bushing, Questionable, Spirit Level, Topo Estimation, Unknown

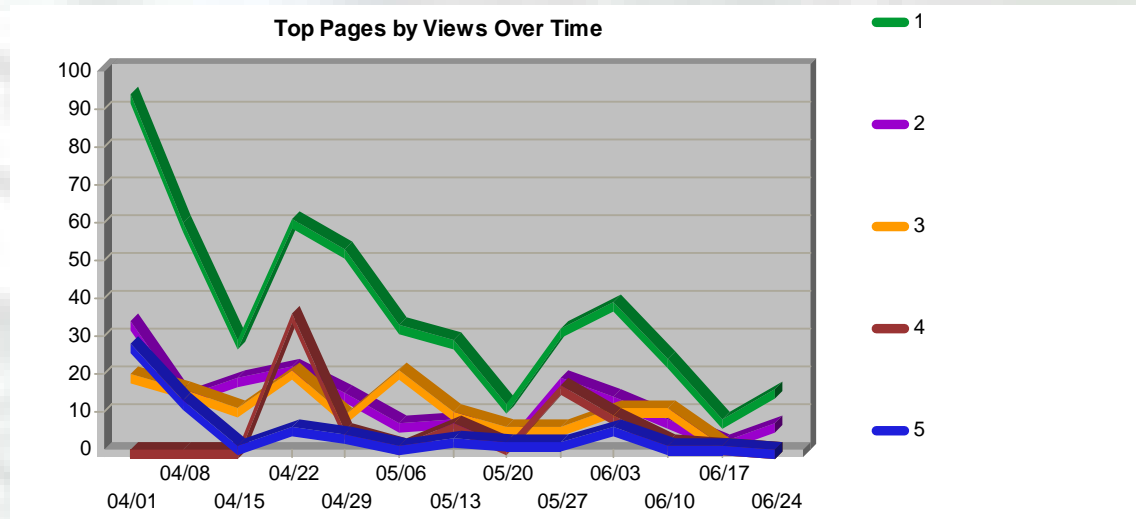
Attribute Name	Attribute Description	Attribute Type	Given Actual Attribute Values or Examples (in quotations)
Field	Field name as assigned by the state	varchar(100)	
DeepFm	Deepest Formation penetrated by well	varchar(100)	
DeepFmTstd	Deepest Formation fully Tested by well	varchar(100)	
InitClass	Initial Classification	varchar(25)	New-Field Wildcat, Deeper-Pool Test, Shallower-Pool Test, Outpost (Extn) Test, Development Well, Stratigraphic Test, Service Well, Misc Well, Unclassified, NA
FinalClass	Final Classification	varchar(25)	Unsuccessful, New-field Discovery, New-pool Discovery, Deeper-pool Discovery, Shallower-Pool Discover, Outpost (Extension) Well, Discovery Well, Misc Well, Unclassified, NA
WellTyp	Well type as originally drilled	varchar(50)	Gas, Oil, Oil&Gas, Dry Hole, Gas with Oil Show, Oil with Gas Show, Dry with Gas Show, Dry with Oil Show, Dry with Oil and Gas Show, Storage Well, Brine (Salina), Salt Water (Salt Sands), Industrial Waste Disposal, Salt Water Disposal, Gas Injection, CO2 Injection, Water Injection, Injection for In-Situ Comb, Observation, Other, NA
RigTyp	Rig Type	varchar(15)	Unknown, Rotary, Spudder, Cable Tool
CmpMth	Completion Method	varchar	Unknown, Nat/Open H, Acid, Frac, Acid&Frac, Shot, Shot+, Unstim, Unfin Stim
TD	Total Depth (in feet)	num, 5d	
NewFtg	New Footage (in feet)	num, 5d	
ExplFtg	Exploratory Footage (in feet)	num, 5d	
GasBfr	Gas Vol Before Treatment (Mcf/day)	num, 5d	
GasAfr	Gas Vol After Treatment (Mcf/day)	num, 5d	
NatPress	Natural Pressure (psi)	num, 4d	
NatTime	Natural Time (hours shut in)	num, 4d	

Attribute Name	Attribute Description	Attribute Type	Given Actual Attribute Values or Examples (in quotations)
TrtTime	Treated Time (hours shut in)	num, 4d	
top_TRNT_md	Top Trenton (in feet)	num, 4d	
datum_TRNT_top	Datum Trenton top (in feet)	num, 4d	
datum_type_TRNT_top	Datum Type Trenton Top	varchar(25)	Barometer, Casing, Derrick Floor, Casing Flange, Ground Level, Kelly Bushing, Questionable, Spirit Level, Topo Estimation, Unknown
TRNT_top_subsea	Trenton Top Subsea (in feet)	num, 5d	
Comments	Comments	varchar(250)	
Entered_Date	Date info added to database	date	"3/5/2005"
Provided_By	Provider of data for well info	varchar	"John Doe, OGS"

Website Reports

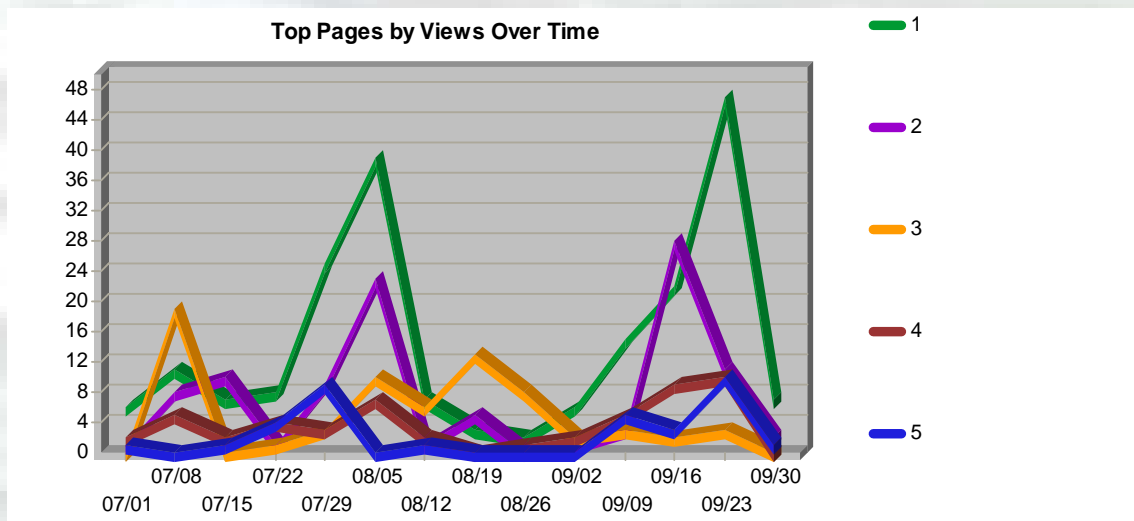


2nd Quarter, 2005 – Top Pages Viewed Over Time



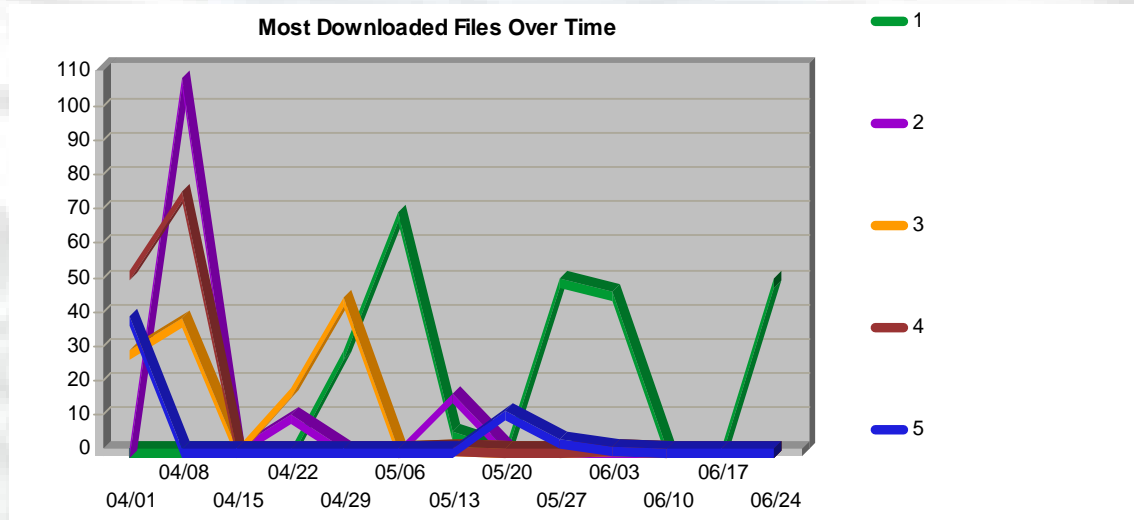
Top Pages by Views Over Time				
	Pages	Views	%	Avg Time Viewed
1.	(Entrance - Login) http://dolomite.wvgs.wvnet.edu/website/TBR0405/	490	32.32%	00:00:31
2.	(Entrance – Login/Welcome) http://dolomite.wvgs.wvnet.edu/website/TBR0405/	171	11.28%	00:00:20
3.	(Gateway) http://dolomite.wvgs.wvnet.edu/trenton/	143	9.43%	00:00:18
4.	(Well Logs Page) http://dolomite.wvgs.wvnet.edu/website/TBR0405/TBR_well_logs.asp	79	5.21%	00:00:37
5.	(Technical Presentations) http://dolomite.wvgs.wvnet.edu/website/TBR0405/technical_presentations.asp	68	4.49%	00:02:25
	Subtotal	951	62.73%	00:00:34
	Other	565	37.27%	00:02:12
	Total	1,516	100.00%	00:01:05

3rd Quarter, 2005 – Top Pages by Views Over Time



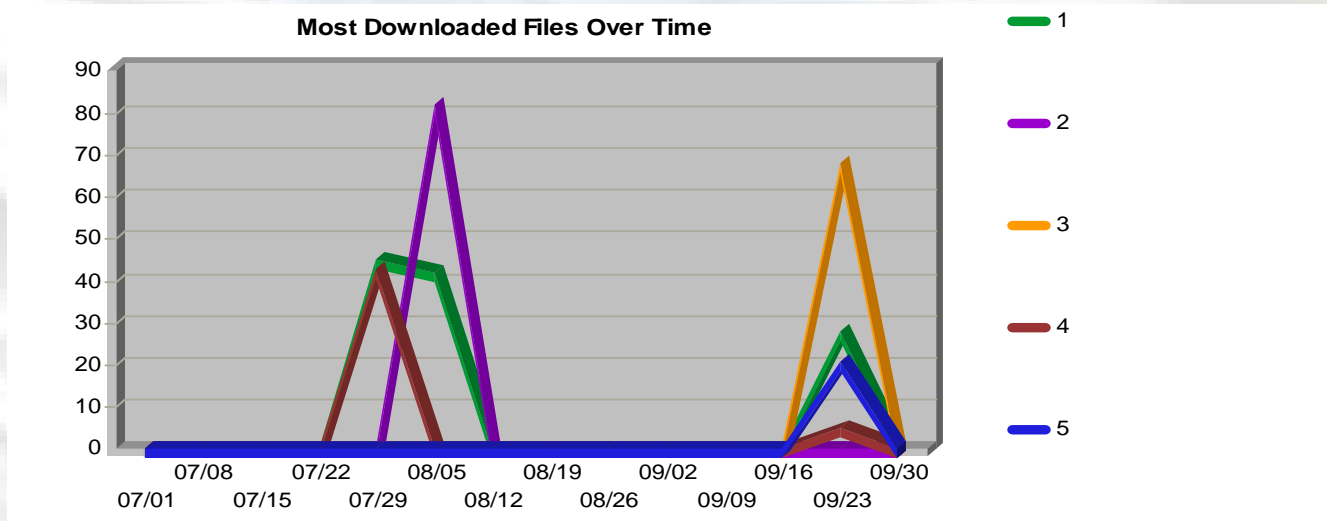
Top Pages by Views Over Time				
	Pages	Views	%	Avg Time Viewed
1.	(Entrance - Login) http://dolomite.wvgs.wvnet.edu/website/TBR0405/	205	27.33%	00:00:30
2.	(Entrance – Login/Welcome) http://dolomite.wvgs.wvnet.edu/website/TBR0405/	103	13.73%	00:00:27
3.	(Dolomite server) http://129.71.50.42/	70	9.33%	00:14:08
4.	(Gateway) http://dolomite.wvgs.wvnet.edu/trenton/	52	6.93%	00:00:35
5.	(Well Logs Page) http://dolomite.wvgs.wvnet.edu/website/TBR0405/TBR_well_logs.asp	35	4.67%	00:00:19
	Subtotal	465	62.00%	00:00:33
	Other	285	38.00%	00:01:45
	Total	750	100.00%	00:00:57

2nd Quarter, 2005 – Most Downloaded Files Over Time



Most Downloaded Files Over Time			
	Files	Downloads	%
1.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/41856R03.pdf	249	33.16%
2.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/050328_Laughrey_rev.pdf	134	17.84%
3.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/050328_Riley_final.pdf	131	17.44%
4.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/050328_Smith_rev.pdf	129	17.18%
5.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/050328_Hickman_edit.pdf	54	7.19%
	Subtotal	697	92.81%
	Total	751	100.00%

3rd Quarter, 2005 – Most Downloaded Files Over Time



Most Downloaded Files Over Time			
	Files	Downloads	%
1.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/41856R03.pdf	115	28.40%
2.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/050328_Smith_rev.pdf	82	20.25%
3.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/41856R02r.pdf	68	16.79%
4.	http://dolomite.wvgs.wvnet.edu/website/tbr0405/docs/050328_Hickman_edit.pdf	48	11.85%
5.	http://dolomite.wvgs.wvnet.edu/website/TBR0405/docs/41856R01.pdf	21	5.19%
	Subtotal	334	82.47%
	Total	405	100.00%

2nd Quarter, 2005 – Most Downloaded Files Over Time

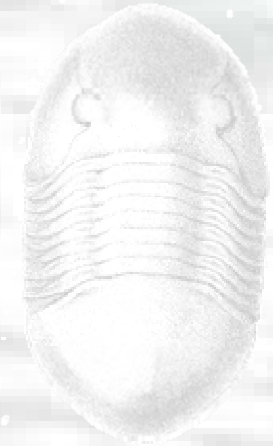
41856R03.pdf	Third Semi-Annual Report (April, 2005)
050328_Laughrey_rev.pdf	Petrography of the Upper Ordovician Trenton and Black River Group Carbonate Reservoirs, Appalachian Basin (C. Laughrey and J. Kostelnik - PAGS)
050328_Riley_final.pdf	Regional Stratigraphy of the Trenton-Black River Interval (R. Riley and M. Baranoski - OGS)
050328_Smith_rev.pdf	Update on Geochemistry and Diagenetic Models (T. Smith, R. Nyahay and Reservoir Characterization Group - NYSM)
050328_Hickman_edit.pdf	Geologic Structure and Seismic Analysis - revised (J. Hickman, P. Lake, D. Harris, and J. Drahovzal - KGS)

3rd Quarter, 2005 – Most Downloaded Files Over Time

41856R03.pdf	Third Semi-Annual Report (April, 2005)
050328_Smith_rev.pdf	Update on Geochemistry and Diagenetic Models (T. Smith, R. Nyahay and Reservoir Characterization Group - NYSM)
41856R02r.pdf	Second Semi-Annual Report (October, 2004)
050328_Hickman_edit.pdf	Geologic Structure and Seismic Analysis - revised (J. Hickman, P. Lake, D. Harris, and J. Drahovzal - KGS)
41856R01.pdf	First Semi-Annual Report (April, 2004)

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- John Bocan, WVGES,
bocan@geosrv.wvnet.edu
- K. Lee Avary, WVGES,
avary@geosrv.wvnet.edu
- Michael Hohn, WVGES,
hohn@geosrv.wvnet.edu



(304) 594-2331

