Permitted Trenton and Deeper Wells in West Virginia

West Virginia Geological and Economic Survey

Permitted Trenton and Deeper Wells in West Virginia

Entire table. 293 rows.

Data are current through May 2010.

Source: West Virginia Geological and Economic Survey, https://www.wvgs.wvnet.edu/ogsummarystats/trenton/results

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Rows 1-38 of 293. Columns, part 1 of 3.

County Code	Permit Number	Permit Date	Operator	Subsequent Operator	Surface Owner	Royalty Owner	Well Number	7.5-Minute Quadrangle	Latitude (ddmmss)	Longitude (ddmmss)	Miles South	Miles West	UTM Easting (meters)	UTM Northing (meters)
007	2236	04/06/2001	CNR	Hallwood Petroleum	Kathern Stout	Paul G Lemon et ux	24632	Gassaway	384230	804730	0.94	1.34	515961.4	4282705.6
007	2237	05/11/2001	CNR		Ronald Clifford Gillespie et ux	Ronald Clifford Gillespie et ux	24592	Strange Creek	383730	805730	1.41	0.66	502563.6	4272676.0
007	2240	06/01/2001	Reed		Mickey & Diana Chapman	Maysel Delaney	1	Rosedale	384000	805500	2.78	1.95	504110.9	4275111.5
007	2247	07/06/2001	CNR		Ruth R Carr	Ruth R Carr	24718	Gassaway	384230	805000	0.98	1.61	511909.7	4282640.5
007	2256	10/05/2001	CNR		Dennis G Moyers	Dennis G Moyers	24717	Gassaway	384230	805000	1.64	1.22	512539.0	4281562.5
009	81	02/08/2002	Martin Twist		Kimberly J Carman	Kimberly J Carman	1	Bethany	401500	803230	2.49	0.38	538387.3	4451384.5
009	82	02/08/2002	Martin Twist		Kimberly J Carman	Kimberly J Carman	2	Bethany	401500	803230	1.95	0.72	537839.6	4452245.5
011	898	11/15/2002	A W Tipka		Brian M. & Rebekah S. Jarrell	North Park, Inc	1	Milton	383000	820730	1.64	0.84	400509.0	4259052.5
011	902	10/29/2004	A W Tipka		Brian M. & Rebekah S. Jarrell	North Park, Inc	1	Milton	383000	820730	1.64	0.84	400509.0	4259052.5
013	4339	08/11/2000	CNR		Chester Mathis, Trustee	Lynn C Gilbert	24331	Arnoldsburg	384730	810730	1.26	1.80	486245.6	4291428.0
013	4340	10/20/2000	Barr		Alvin Engelke	Alvin Engelke		Tariff	384500	811000	0.23	0.22	485154.5	4288471.0
013	4341	08/04/2000	Ardent		Thomas G McLaughin	Lewis Smith Heirs	1	Arnoldsburg	384730	810730	1.90	2.07	485809.7	4290411.5
013	4342	09/05/2000	Trio		Gordon & Evadeen Kesler	Gordon & Evadeen Kesler	1452	Grantsville	385730	810230	1.07	0.48	495618.9	4310219.5
013	4348	09/08/2000	Ardent		John Ball	Marie Ball/Bethleham Baptist	1	Grantsville	385730	810230	2.41	1.29	494317.5	4308063.0
013	4349	09/08/2000	Ardent	Genesis Oil and Gas, LLC	H & R Pipe Inc	George Johnson	1	Grantsville	385500	810230	0.25	1.83	493441.5	4306921.4
013	4350	10/13/2000	Ardent		Roberto Lopez	Morris Oil & Gas et al	1	Grantsville	385500	810230	0.67	1.13	494580.7	4306244.5
013	4351	09/08/2000	Ardent		Lee J & Marie McKown	Lovie Laughlin et al	1	Arnoldsburg	384730	810730	1.89	1.38	486919.3	4290410.0
013	4352	09/15/2000	Creston		James Morris	R Plant Heirs	11-8	Grantsville	385500	810230	1.55	1.99	493182.4	4304827.5
013	4353	12/08/2000	McIntosh		John S Stump	Bernard Hays et al	1	Arnoldsburg	385000	810730	2.84	0.83	487817.6	4293521.5
013	4354	10/06/2000	McIntosh		John S Stump	Bernard Hays et al	1	Arnoldsburg	384730	810730	0.63	1.30	487043.3	4292444.0
013	4355	09/22/2000	McIntosh		Imogene C Haymaker	Imogene C Haymaker et al	4	Arnoldsburg	385000	810730	2.12	0.55	488253.3	4294661.5
013	4356	09/29/2000	WE Smith		Walter E Smith	Walter E & Mary L Smith	1	Grantsville	390000	810000	2.40	1.18	498099.0	4312715.5
013	4358	10/13/2000	Trio		Rickey D Sampson et ux	Carolyn Doelling et al	1459	Grantsville	385730	810230	2.84	1.86	493401.5	4307386.0
013	4359	10/13/2000	Trio		Ralph Cunningham	Mary A Wallace et al	1458	Grantsville	385730	810230	0.32	0.67	495306.2	4311422.5
013	4360	10/13/2000	Trio		Denzil G Ward et ux	Denzil G Ward et ux	1457	Grantsville	385730	810000	0.13	1.88	496991.5	4311730.0
013	4361	11/10/2000	Trio		Leonard E Metz	Herbert Ferrell et al	1461	Grantsville	390000	810230	2.45	0.19	496077.0	4312624.0
013	4362	10/13/2000	Trio		Westvaco Corporation	Pennzoil Co, et al	Church 1456	Grantsville	390000	810000	2.40	1.54	497521.3	4312716.0
013	4363	10/13/2000	Trio		Craig A Church	Michael L Whipkey et al	1463	Grantsville	390000	810000	1.37	1.49	497593.8	4314349.5
013	4364	10/13/2000	Trio		James J Morris	W Barl Johnson et al	McCutcheon 1455	Grantsville	385500	810230	0.59	1.73	493617.7	4306368.0
013	4365	10/13/2000	Trio		RJM Trust c/o Richard Morris	Cabot Oil & Gas Corporation	Cabot Ball 1454	Grantsville	385730	810230	2.17	1.57	493860.1	4308464.5
013	4366	10/13/2000	Trio		Eva Marie Ball	Cabot Oil & Gas Corporation	Cabot Ball 1453	Grantsville	385730	810230	2.23	0.99	494799.1	4308340.5
013	4367	10/13/2000	Trio		Orville Ray Yoak	Fred Webb et al	Botanican 1460	Grantsville	385730	810000	1.71	2.23	496412.5	4309203.0
013	4368	10/20/2000	Ardent		JJ Starcher Heirs	JJ Starcher Heirs	1	Arnoldsburg	385000	810730	1.04	0.39	488520.8	4296417.5
013	4369	10/20/2000	Ardent		Imogene Haymaker	Imogene Haymaker et al	1	Arnoldsburg	385000	810730	2.42	1.24	487143.3	4294478.5
013	4371	03/02/2001	Ardent		Allan Newhart	E Starcher Heirs	2	Arnoldsburg	385000	810730	1.70	1.63	486517.4	4295342.5
013	4372	11/17/2000	Cabot		Georgia Stump	Georgia Stump et al	JM Smith 1	Grantsville	385500	810230	0.95	2.18	492894.1	4305783.0
013	4373	11/17/2000	Cabot		Mac Barr Heirs & David Barr	McClellan Barr Heirs et al	JM Smith 2	Grantsville	385500	810500	1.23	0.46	492027.0	4305352.5
013	4375	01/12/2001	Ardent		Forrest Craddock	WT Wiant Estate	1	Arnoldsburg	385000	810730	0.59	0.75	487943.7	4297127.5

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 1-38 of 293. Columns, part 2 of 3.

County Code	Permit Number	Target Formation	Target Depth (feet)	Spud Date	Date Total Depth Reached	Total Depth (feet)	Comments	Initial Open Flow (Mcf)	Final Open Flow (Mcf)	Rock Pressure (psi)	1999 Gas Production (Mcf)	2000 Gas Production (Mcf)	2001 Gas Production (Mcf)	2002 Gas Production (Mcf)	2003 Gas Production (Mcf)	2004 Gas Production (Mcf)
007	2236	Basement	15000	06/16/2001	12/13/2001	12736	directional; drilled to 12,736; kicked off and drilled to 12,975 MD; 01/07/2002 kick off and drilled deeper to 13,013							853		abandoned well
007	2237	Basement	15000				cancelled 07/18/2003									
007	2240	Beekmantown	12000				cancelled 01/30/2004									
007	2247	Trenton-Black River	12700	08/01/2001	08/28/2001	12700	dry hole									
007	2256	Trenton-Black River	12500				cancelled 01/30/2004									
009	81	Basement					cancelled 09/24/2004									
009	82	Basement					cancelled 05/19/2006									
011	898	Basement	11000				cancelled 10/29/2004; reissued as 011 902									
011	902	Basement	11000				was 011 898; cancelled 05/19/2006									
013	4339	Copper Ridge	13940				cancelled 08/27/2004									
013	4340	Basement	15000				cancelled 08/27/2004									
013	4341	Rome	15000				cancelled 09/21/2001; see 013 4428 same lease									
013	4342	Conasauga	15000				cancelled 02/02/2001									
013	4348	Copper Ridge	15000				cancelled 02/14/2003									
013	4349	Copper Ridge	15000	09/20/2001	01/15/2002	12075	transferred to farm use									22435
013	4350	Copper Ridge	15000				cancelled 08/27/2004									
013	4351	Rome	15000				cancelled 08/27/2004									
013	4352	Copper Ridge	15000				cancelled 08/27/2004									
013	4353	Copper Ridge	14000				cancelled 08/27/2004									
013	4354	Copper Ridge	14000				cancelled 04/27/2001									
013	4355	Copper Ridge	14000				cancelled 08/27/2004									
013	4356	Copper Ridge	13800				cancelled 08/27/2004									
013	4358	Basement	21000				cancelled 02/14/2003									
013	4359	Basement	21000				cancelled 02/02/2001									
013	4360	Basement	21000				cancelled 03/30/2001									
013	4361	Basement	21000				cancelled 02/02/2001									
013	4362	Basement	21000				cancelled 11/02/2001									
013	4363	Basement	21000				cancelled 11/02/2001									
013	4364	Basement	21000				cancelled 02/14/2003									
013	4365	Basement	21000				cancelled 02/14/2003									
013	4366	Basement	21000				cancelled 02/14/2003									
013	4367	Basement	21000				cancelled 02/14/2003									
013	4368	Basement	22000				cancelled 08/27/2004									
013	4369	Copper Ridge	15000				cancelled 08/27/2004									
013	4371	Basement	22000				cancelled 09/26/2003									
013	4372	Basement	21000				cancelled 02/14/2003									
013	4373	Basement	21000				cancelled 02/14/2003									
013	4375	Basement	22000				cancelled 09/19/2003									

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 1-38 of 293. Columns, part 3 of 3.

County Code	Permit Number	2005 Gas Production (Mcf)	2006 Gas Production (Mcf)	2007 Gas Production (Mcf)	2008 Gas Production (Mcf)	2009 Gas Production (Mcf)	Cumulative Gas Production (Mcf)	Record Received	Logs Received
007	2236	abandoned well	abandoned well	319	0	0	1,172		
007	2237						0		
007	2240						0		
007	2247	plugged	plugged	plugged			0		
007	2256						0		
009	81						0		
009	82						0		
011	898						0		
011	902						0		
013	4339						0		
013	4340						0		
013	4341						0		
013	4342						0		
013	4348						0		
013	4349	?	38615				61,050		
013	4350						0		
013	4351						0		
013	4352						0		
013	4353						0		
013	4354						0		
013	4355						0		
013	4356						0		
013	4358						0		
013	4359						0		
013	4360						0		
013	4361						0		
013	4362						0		
013	4363						0		
013	4364						0		
013	4365						0		
013	4366						0		
013	4367						0		
013	4368						0		
013	4369						0		
013	4371						0		
013	4372						0		
013	4373						0		
013	4375						0		

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 39-78 of 293. Columns, part 1 of 3.

County Code	Permit Number	Permit Date	Operator	Subsequent Operator	Surface Owner	Royalty Owner	Well Number	7.5-Minute Quadrangle	Latitude (ddmmss)	Longitude (ddmmss)	Miles South	Miles West	UTM Easting (meters)	UTM Northing (meters)
013	4376	02/16/2001	Ardent		Michael Laughlin	Hays Heirs	1	Arnoldsburg	384730	810730	0.04	1.69	486418.0	4293400.5
013	4377	03/30/2001	Ardent		James L Reed et al	Big Sandy Gas Co	1	Arnoldsburg	385000	810730	0.30	0.15	488908.6	4297589.0
013	4378	01/19/2001	Satterfield		Gerson Woodlands LLC	Randy Umstead et al	Crawford 2	Arnoldsburg	385230	810730	1.68	0.86	487779.2	4299995.0
013	4379	01/19/2001	Satterfield		Delores C Mace	PP Gunn Heirs et al	Mace 2	Arnoldsburg	385230	810730	2.67	0.48	488379.3	4298391.5
013	4380	02/02/2001	McIntosh		Mark Shock	CL Shock	1	Millstone	385230	810500	0.08	1.24	490770.7	4302580.5
013	4382	02/09/2001	Trio		Orville R Yoak et ux	Kesler, Burrow & Yoak unit	Smith 1-1482	Grantsville	385730	810230	0.92	0.58	495450.4	4310466.5
013	4383	02/02/2001	Trio		Trio Petroleum Corp	Lorentz Hamilton et al	1483	Grantsville	385730	810230	0.12	0.34	495835.9	4311761.0
013	4384	03/02/2001	Trio		Westvaco Corporation	WE Smith et al 2	1484	Grantsville	390000	810000	2.13	2.04	496703.1	4313147.5
013	4385	02/23/2001	Ardent		Francis Cain	Francis Cain	1A	Grantsville	385730	810500	1.55	1.08	491043.9	4309453.0
013	4386	02/23/2001	Ardent		Francis Cain	Francis Cain	1B	Grantsville	385730	810500	2.18	1.30	490681.7	4308436.5
013	4387	03/16/2001	Ardent		Francis Cain	Francis Cain	2	Grantsville	385730	810500	2.44	1.94	489670.0	4308036.5
013	4388	03/16/2001	Ardent		Majorie Gherke	Matilda Johnson Heirs	1	Grantsville	385730	810500	2.78	0.96	491234.1	4307481.0
013	4389	03/16/2001	Ardent		Charles Propst	Nellie Propst	1	Grantsville	385730	810500	1.82	0.50	491982.5	4309021.0
013	4391	05/18/2001	Greer		Deo Mace	Beulah Mace	1	Millstone	385230	810230	1.95	0.42	495709.0	4299554.5
013	4392	03/16/2001	Greer		Beulah Mace	Nick Poling Heirs	NCP 5	Millstone	385000	810230	2.01	1.67	493704.4	4294840.0
013	4393	04/06/2001	Greer		Beulah Mace	Beulah Mace	2	Millstone	385000	810230	0.60	0.96	494839.4	4297120.0
013	4394	05/04/2001	Cabot	Waco Oil and Gas Inc	Henry W Cooper, Jr	Joe Speidel III	1	Grantsville	385730	810230	0.26	0.08	496269.5	4311514.5
013	4396	04/27/2001	Mountain V		James J Morris & Lynn C Gilbert	Robert B Smith et al	Allen Hardman 12	Grantsville	385500	810230	2.32	1.67	493711.4	4303594.5
013	4397	04/27/2001	Mountain V		James J Morris & Lynn C Gilbert	Robert B Smith et al	Allen Hardman 11	Grantsville	385500	810500	2.34	0.11	492602.9	4303564.5
013	4398	04/27/2001	Dominion		Frank Hathaway	CA Vandevender	5724	Grantsville	385500	810500	1.86	0.62	491785.1	4304336.0
013	4400	05/11/2001	Dominion		James A Bell	L T Stump et al	5723	Grantsville	385500	810500	0.73	0.94	491257.1	4306156.0
013	4401	05/18/2001	East		Murl Siers	Murl Siers	101	Millstone	385230	810500	1.02	1.95	489636.4	4301071.5
013	4403	05/18/2001	East		John S Stump et ux & J Neil Stump	Bernard R Hays agent	SA Hays 105	Arnoldsburg	384730	810730	0.67	1.71	486391.8	4292383.5
013	4404	05/18/2001	East		Annabell Whited	John H Withers	106	Grantsville	385500	810500	2.38	0.85	491398.5	4303503.5
013	4406	06/08/2001	East		John J & Caroline Charonko	Barbara Hathaway	102	Millstone	385230	810500	0.20	1.78	489903.5	4302396.0
013	4407	06/01/2001	East		Coastal Lumber Co	Jeanne Pollack	107	Arnoldsburg	384730	810730	0.91	1.03	487477.3	4291980.5
013	4408	06/08/2001	Ardent		Jerry Ulderich	Steve Satterfield et al	1	Arnoldsburg	385230	810730	1.91	0.10	488983.6	4299622.5
013	4409	06/08/2001	Ardent		Mitchell Morgan	Mitchell Morgan et al	1	Arnoldsburg	385000	810730	1.13	1.42	486856.8	4296267.0
013	4412	06/22/2001	Ardent		Rebecca Hardway	Steve Satterfield et al	1	Arnoldsburg	385230	810730	2.85	0.76	487920.7	4298114.5
013	4413	06/22/2001	Ardent		Jerry Ulderich	Steve Satterfield et al	2	Arnoldsburg	385230	810730	2.43	0.31	488644.8	4298791.5
013	4414	06/22/2001	Ardent		Loren Price	Roy G Hildreth Jr	6 (Price 1)	Arnoldsburg	385000	810730	0.46	2.00	485942.6	4297347.5
013	4415	07/27/2001	Ardent		Sarah Anderson	Sarah Anderson et al	7	Arnoldsburg	385000	810730	2.24	1.91	486082.0	4294480.0
013	4417	06/22/2001	Ardent		Wilma B Siers	Wilma B Siers et al	1	Arnoldsburg	385000	811000	1.50	0.14	485312.4	4295683.5
013	4418	06/22/2001	Ardent		Wilma B Siers	Wilma B Siers et al	2	Arnoldsburg	385000	811000	0.98	0.46	484783.4	4296516.5
013	4426	09/14/2001	Ardent		Nathan Kennedy	Dorothy Jean Burrows	1	Arnoldsburg	385230	810730	2.60	1.38	486932.7	4298517.0
013	4428	09/28/2001	Ardent		Thomas McClaughin	Lewis Smith Heirs	1	Arnoldsburg	384730	810730	1.90	1.89	486098.7	4290411.0
013	4429	11/16/2001	East		Frank L Hayden et al.	Cecil F Sturm	104	Arnoldsburg	385000	810730	1.76	1.00	487530.8	4295248.0
013	4430	10/12/2001	East		Homer Wilson	Charles Duskey, Jr et al	108	Arnoldsburg	385230	810730	1.16	0.27	488720.5	4300825.5
013	4431	10/26/2001	East		Mitchell & Brenda Morgan	Earl Morgan, agent	109	Arnoldsburg	385000	810730	0.59	1.42	486858.2	4297129.5
013	4434	01/11/2002	Cabot		Westvaco Corporation	Westvaco Corporation et al	Watkins 1	Grantsville	390000	810000	2.16	1.54	497521.4	4313086.5

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 39-78 of 293. Columns, part 2 of 3.

County Code	Permit Number	Target Formation	Target Depth (feet)	Spud Date	Date Total Depth Reached	Total Depth (feet)	Comments	Initial Open Flow (Mcf)	Final Open Flow (Mcf)	Rock Pressure (psi)	1999 Gas Production (Mcf)	2000 Gas Production (Mcf)	2001 Gas Production (Mcf)	2002 Gas Production (Mcf)	2003 Gas Production (Mcf)	2004 Gas Production (Mcf)
013	4376	Basement	22000				cancelled 08/27/2004									
013	4377	Basement	22000				cancelled 09/26/2003									
013	4378	Basement?	10000				cancelled 08/27/2004									
013	4379	Basement?	10000				cancelled 06/15/2001									
013	4380	Beekmantown	14000				cancelled 08/27/2004									
013	4382	Basement	21000				revised 03/23/2001 to be a vertical not directional hole									
013	4383	Basement	21000				cancelled 03/30/2001									
013	4384	Basement	21000				cancelled 08/27/2004									
013	4385	Basement	22000				cancelled 09/26/2003									
013	4386	Basement	22000				cancelled 09/26/2003									
013	4387	Basement	22000				cancelled 09/26/2003									
013	4388	Basement	22000				cancelled 09/26/2003									
013	4389	Basement	22000				cancelled 09/26/2003									
013	4391	Basement	22000				cancelled 08/27/2004									
013	4392	Basement	22000				cancelled 08/27/2004									
013	4393	Basement	22000				directional;cancelled 08/27/2004									
013	4394	Basement	21000	03/29/2001	02/11/2002	12204	acidized open hole; drill stem test attempted; worn packer; dry hole									
013	4396	Trenton-Black River	14400				revised 10/19/2001 to shallow well; target Elk 5,995 feet									
013	4397	Trenton-Black River	14400				cancelled 08/27/2004									
013	4398	Basement	21000				cancelled 08/27/2004									
013	4400	Basement	21000				cancelled 08/27/2004									
013	4401	Basement	21000				directional well; BHL 100 feet north of SHL;cancelled 08/27/2004									
013	4403	Basement	21000				cancelled 08/27/2004									
013	4404	Basement	21000				cancelled 08/27/2004									
013	4406	Basement	21000				directional well; BHL 1000 ft SW of SHL;cancelled 08/27/2004									
013	4407	Basement	20000				cancelled 08/27/2004									
013	4408	Basement	22000				cancelled 09/19/2003									
013	4409	Basement	22000				cancelled 09/26/2003									
013	4412	Basement	22000				cancelled 09/26/2003									
013	4413	Basement	22000				not drilled									
013	4414	Basement	22000				cancelled 09/26/2003									
013	4415	Basement	22000				cancelled 09/26/2003									
013	4417	Basement	22000				cancelled 09/26/2003									
013	4418	Basement	22000				cancelled 09/26/2003									
013	4426	Basement	22000				not drilled									
013	4428	Basement	22000				directional well; BHL 443.4 ft. WNW of SHL; 013 4341 cancelled same lease									
013	4429	Basement	21000				directional well; BHL ~303 ft. N of SHL; cancelled 05/19/2006									
013	4430	Basement	20000				cancelled 05/19/2006									
013	4431	Basement	21000				directional well; BHL ~475 ft. ENE of SHL; cancelled 05/19/2006									
013	4434	Basement	21000				directional well; BHL ~425 ft. ESE of SHL; cancelled 05/19/2006									

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 39-78 of 293. Columns, part 3 of 3.

County Code	Permit Number	2005 Gas Production (Mcf)	2006 Gas Production (Mcf)	2007 Gas Production (Mcf)	2008 Gas Production (Mcf)	2009 Gas Production (Mcf)	Cumulative Gas Production (Mcf)	Record Received	Logs Received
013	4376						0		
013	4377						0		
013	4378						0		
013	4379						0		
013	4380						0		
013	4382						0		
013	4383						0		
013	4384						0		
013	4385						0		
013	4386						0		
013	4387						0		
013	4388						0		
013	4389						0		
013	4391						0		
013	4392						0		
013	4393						0		
013	4394	abandoned well	abandoned well	abandoned well			0	yes	
013	4396						0		
013	4397						0		
013	4398						0		
013	4400						0		
013	4401						0		
013	4403						0		
013	4404						0		
013	4406						0		
013	4407						0		
013	4408						0		
013	4409						0		
013	4412						0		
013	4413						0		
013	4414						0		
013	4415						0		
013	4417						0		
013	4418						0		
013	4426						0		
013	4428						0		
013	4429						0		
013	4430						0		
013	4431						0		
013	4434						0		

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 79-121 of 293. Columns, part 1 of 3.

County Code	Permit Number	Permit Date	Operator	Subsequent Operator	Surface Owner	Royalty Owner	Well Number	7.5-Minute Quadrangle	Latitude (ddmmss)	Longitude (ddmmss)	Miles South	Miles West	UTM Easting (meters)	UTM Northing (meters)
013	4435	01/11/2002	Cabot		Kevin C Church et ux	Kevin C Church et al	Bissell 1	Grantsville	390000	810000	1.55	1.01	498363.6	4314071.5
015	2628	03/16/2001	CNR		Ray Cunningham et ux	Ray Cunningham et ux	24563	Strange Creek	383730	805730	2.20	1.46	501282.3	4271412.0
015	2633	05/11/2001	Reed		James Bogden II & Colleen Bogden	James and Colleen Bogden II et al	1	Ivydale	383500	810000	0.59	0.65	498959.2	4269378.0
015	2634	05/11/2001	Reed		Robert & Zelma Long	James Reed and Gusta Drake	Long 1	Ivydale	383500	810000	1.71	1.54	497507.2	4267591.5
015	2635	05/11/2001	Reed		James & Joan Haynie	Emma Chancey Heirs et al	1	Clay	383000	810500	0.59	0.24	492345.0	4260134.5
015	2636	05/25/2001	CNR		Okey Morris et ux	Okey Morris et ux	24593	Strange Creek	383730	805730	2.00	0.83	502309.5	4271736.0
015	2644	10/05/2001	CNR		Woodrow W Cutlip et ux	Rev C A Rogers, POA for Elizabeth Morris	24771	Strange Creek	383730	805730	2.77	2.09	500266.7	4270495.6
015	2644	10/05/2001	CNR		Woodrow W Cutlip et ux	Rev C A Rogers, POA for Elizabeth Morris	24771	Strange Creek	383730	805730	2.77	2.09	500266.7	4270495.6
015	2684	01/24/2003	EAE		John W & Ralph C Butler	John W & Ralph C Butler	1	Ivydale	383730	810000	2.34	0.50	499195.7	4271188.2
015	2702	09/12/2003	EAE		Clifton S Bragg	Clifton S Bragg et al	1-D	Ivydale	383500	810000	0.57	0.04	499935.6	4269415.3
017	4585	05/11/2001	Trans-Capital		Minnie Underwood	E Underwood et al	W-1505	Smithburg	392000	803730	2.82	0.70	531212.9	4349090.5
017	4586	05/11/2001	Trans-Capital		Gary L Reynolds	Mary Nutter et al	W-1511	Smithburg	391730	803730	0.59	1.17	530450.5	4348039.5
017	4593	05/18/2001	Trans-Capital		Ona & Maggie Mayle	Rosalee Wilson	W-1518	Smithburg	391730	803730	0.78	0.51	531529.6	4347735.0
017	4613	07/06/2001	Dominion		Jeff Sperry	J E Leggett	5808	Auburn	390730	804730	0.87	0.88	516595.1	4329070.0
017	4614	07/13/2001	Fairman		Tall Tree & Land LLC	Regina Rager	1	Smithburg	391730	803730	1.00	1.70	529614.0	4347388.5
017	4628	08/17/2001	Trans-Capital		Randell & Melinda Holden	H J Shahan	W-1519	Salem	392230	803500	2.08	0.63	534899.6	4354901.5
017	4629	08/03/2001	Trans-Capital		Mary Lou Holland	Franklin R Maxwell Heirs	W-1540	Smithburg	391730	804000	2.35	0.80	527465.8	4345192.0
017	4631	08/24/2001	Fairman		Dorothy W Gola	Michael Gola et al	1	New Milton	391500	804000	0.39	2.17	525265.3	4343736.5
017	4632	08/10/2001	Trans-Capital		Danny K & Sharon J Eubank	Whitehair & Long et al	W-1526	Smithburg	391730	803730	0.85	1.11	530547.5	4347639.0
017	4633	08/24/2001	Trans-Capital		Craig Evans	Clarence Evans	W-1542	Smithburg	391730	804000	2.03	0.13	528542.1	4345720.0
017	4634	08/31/2001	Trans-Capital		Randolph Schools	Dorothy Piggott et al	W-1541	New Milton	391500	804000	0.36	0.33	528237.8	4343777.0
017	4635	08/31/2001	Bet-Ro		David & Janice Ball	David Dale Ball et al	1	Oxford	391230	805000	2.59	0.34	513845.7	4335538.0
017	4638	09/21/2001	DAC		Douglas J Hite et al	Orley Ford et al & Willis Ash	1	Smithburg	392000	803730	0.22	0.04	532249.6	4353286.5
017	4641	10/05/2001	Jay-Bee		Jerry Hosaflook	Fluence Hinter	Spurgeon 2A	Oxford	391000	804730	2.63	0.23	517647.8	4330861.0
017	4642	10/05/2001	Jay-Bee		Charles Adams	Sheryl Ann Lock	Czigans 4	Auburn	390730	804730	0.13	0.74	516811.8	4328639.5
017	4643	10/19/2001	Trans-Capital		Pauldin G Coplin	Pauldin G Coplin	W-1544	New Milton	391230	804230	1.24	1.16	523317.3	4337718.0
017	4644	10/26/2001	Mountain V		Charles G Underwood	Charles G Underwood et al	1	Salem	392230	803500	1.55	1.17	534010.3	4355760.5
017	4645	10/26/2001	Mountain V		Nathan B Curry	Lillian J Francis et al	1	Salem	392230	803500	1.23	0.13	535683.6	4356293.0
017	4647	11/02/2001	Mountain V		Andy D & Eileen N Cayton	Sharon Wolverton et al	Sadler 1	Salem	392230	803500	0.42	0.83	534573.0	4352957.5
017	4648	11/02/2001	Mountain V		Coastal Lumber Co	J W Ballouz et al	James Dye 1	Folsom	392730	803230	2.84	1.70	536728.8	4362955.5
017	4649	11/02/2001	Mountain V		Violet L Wallace	Mary Welch	1	Smithburg	392000	803730	0.30	1.06	530622.0	4353126.0
017	4650	11/02/2001	Mountain V		Dorothy June Gaskins et al	Doris Bond et al	Randolph 3 Rev	Salem	392000	803500	0.86	1.23	533938.1	4352248.0
017	4651	11/09/2001	Mountain V		Glen G and Antonia M Underwood	T B Harbery Heirs	1	Salem	392230	803500	0.72	0.90	534459.3	4357088.0
017	4653	01/11/2002	Trans-Capital		Richard & Mary Earl	Fry Heirs	W-1549	Salem	392000	803500	2.04	2.01	532692.7	4350329.5
017	4654	12/07/2001	Trans-Capital		R Hurst	R Hurst	W-1551	New Milton	391500	804000	1.05	1.80	525868.0	4342659.0
017	4658	01/18/2002	Trans-Capital		Michael J & Winifred L Jozwick	Davis-Freeman Heirs	W-1550	Smithburg	391730	803730	2.23	1.81	529430.0	4345384.0
017	4659	01/18/2002	Trans-Capital		Macel C Cox	Macel C Cox	W-1546	New Milton	391500	804000	2.07	1.73	525993.3	4341025.5
017	4660	01/11/2002	Trans-Capital		Garnett C Davis Heirs	Garnett C Davis Heirs	W-1543	New Milton	391500	804000	0.31	1.33	526631.1	4343864.0
017	4661	01/18/2002	Trans-Capital		Jeffrey L & Angela D Pratt	Orma M Johnson	W-1557	Salem	392000	803230	0.07	1.85	536534.0	4353521.0
017	4662	02/01/2002	Mountain V		Cabin Hill Land Co	William Seckman et al	1	Salem	392230	803500	0.09	1.63	533258.1	4358100.5
021	5297	05/18/2001	Fairman		Joseph A & Lynn Yurkiewicz	Clem S Morris Heirs	Carter-Roberts 1	Grantsville	390000	810000	1.20	0.56	499085.4	4314626.5
021	5298	07/20/2001	Megan		Coastal Lumber Co	Russell McQuain et al	4-D	Grantsville	390000	810000	0.61	1.48	497618.6	4315582.5
021	5299	06/01/2001	Megan		Coastal Lumber Co	Russel McQuain et al	2-D	Smithville	390230	810000	2.85	1.42	497714.7	4316599.5

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 79-121 of 293. Columns, part 2 of 3.

County Code	Permit Number	Target Formation	Target Depth (feet)	Spud Date	Date Total Depth Reached	Total Depth (feet)	Comments	Initial Open Flow (Mcf)	Final Open Flow (Mcf)	Rock Pressure (psi)	1999 Gas Production (Mcf)	2000 Gas Production (Mcf)	2001 Gas Production (Mcf)	2002 Gas Production (Mcf)	2003 Gas Production (Mcf)	2004 Gas Production (Mcf)
013	4435	Basement	21000				directional well; BHL ~250 ft. SE SHL; cancelled 05/19/2006									
015	2628	Trenton-Black River	11702				not drilled									
015	2633	Beekmantown	12500				not drilled									
015	2634	Beekmantown	14000				not drilled									
015	2635	Beekmantown	14000				not drilled									
015	2636	Basement	15000	03/08/2002			not drilled									
015	2644	Basement	15000	03/02/2002	05/15/2002	11851	revised to be directional hole 01/25/2002; BHL 518 ft. NNW of SHL									
015	2644	Basement	15000	05/15/2002	07/15/2002	12263	side track; production is from Newburg	15000		4450				0	-158647	-161768
015	2684	Knox	12000	03/14/2003	04/26/2003	12000	plugged 04/12/2004									
015	2702	Knox	10500	01/02/2004	01/28/2004	10500										
017	4585	Basement					not drilled									
017	4586	Basement					cancelled 08/10/2001									
017	4593	Basement	18000				cancelled 10/22/2004									
017	4613	Basement	22000				cancelled 10/22/2004									
017	4614	Basement	21000				cancelled 07/18/2003									
017	4628	Basement					cancelled 10/22/2004									
017	4629	Basement					cancelled 10/22/2004									
017	4631	Basement	21000				cancelled 10/22/2004									
017	4632	Basement					cancelled 10/22/2004									
017	4633	Basement					cancelled 10/22/2004									
017	4634	Basement					cancelled 10/22/2004									
017	4635	Basement					cancelled 10/22/2004									
017	4638	Basement	21000				not drilled									
017	4641	Basement	21000				not drilled									
017	4642	Basement	21000				not drilled									
017	4643	Basement					not drilled									
017	4644	Basement	21000				not drilled									
017	4645	Basement	21000				not drilled									
017	4647	Basement	21000				not drilled									
017	4648	Basement	21000				not drilled									
017	4649	Basement	21000				not drilled									
017	4650	Basement	21000				not drilled									
017	4651	Basement	21000				cancelled 05/19/2006									
017	4653	Basement					cancelled 05/19/2006									
017	4654	Basement					cancelled 05/19/2006									
017	4658	Basement					cancelled 05/19/2006									
017	4659	Basement					cancelled 05/19/2006									
017	4660	Basement					cancelled 05/19/2006									
017	4661	Basement					cancelled 05/19/2006									
017	4662	Basement	21000				cancelled 05/19/2006									
021	5297	Basement	21000				cancelled 10/22/2004									
021	5298	Basement	22000				cancelled 10/22/2004									
021	5299	Basement	22000				cancelled 10/22/2004									

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 79-121 of 293. Columns, part 3 of 3.

County Code	Permit Number	2005 Gas Production (Mcf)	2006 Gas Production (Mcf)	2007 Gas Production (Mcf)	2008 Gas Production (Mcf)	2009 Gas Production (Mcf)	Cumulative Gas Production (Mcf)	Record Received	Logs Received
013	4435						0		
015	2628						0		
015	2633						0		
015	2634						0		
015	2635						0		
015	2636	cancelled	cancelled				0		
015	2644						0		
015	2644	-121355					-441,770	yes	
015	2684	plugged	plugged	plugged			0		yes
015	2702	?					0		
017	4585						0		
017	4586						0		
017	4593						0		
017	4613						0		
017	4614						0		
017	4628						0		
017	4629						0		
017	4631						0		
017	4632						0		
017	4633						0		
017	4634						0		
017	4635						0		
017	4638						0		
017	4641						0		
017	4642						0		
017	4643						0		
017	4644						0		
017	4645						0		
017	4647						0		
017	4648						0		
017	4649						0		
017	4650						0		
017	4651						0		
017	4653						0		
017	4654						0		
017	4658						0		
017	4659						0		
017	4660						0		
017	4661						0		
017	4662						0		
021	5297						0		
021	5298						0		
021	5299						0		

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 122-164 of 293. Columns, part 1 of 3.

County Code	Permit Number	Permit Date	Operator	Subsequent Operator	Surface Owner	Royalty Owner	Well Number	7.5-Minute Quadrangle	Latitude (ddmmss)	Longitude (ddmmss)	Miles South	Miles West	UTM Easting (meters)	UTM Northing (meters)
021	5300	06/01/2001	Megan		Coastal Lumber Co	Mary Sue & Arnold L Schulberg et al	1-D	Smithville	390230	810000	2.62	0.80	498701.2	4316969.0
021	5301	05/25/2001	BNG		Richard Lee Bush	Kim Bush et al	Garrett 1	Tanner	390000	805730	0.81	2.09	500240.5	4315274.0
021	5305	07/06/2001	Dominion		Ploma Frymier	Franklin Harden	5778	Burnt House	390230	805730	1.75	1.12	501803.8	4318387.0
021	5306	07/06/2001	Dominion		William Grove	J T Wilt	5776	Burnt House	390230	805730	2.69	2.19	500072.0	4316846.0
021	5307	07/06/2001	Dominion		George Weimer Jr	Fannie Gainer	5777	Burnt House	390230	805730	2.03	2.10	500216.6	4317924.5
021	5320	12/07/2001	Cabot		Phyllis M Kessel	Waco Oil & Gas Company, Inc	Frashure 1	Burnt House	390230	805730	2.80	1.52	501154.8	4316691.5
021	5321	12/07/2001	Cabot		Modena Ferguson Heirs	Modena Ferguson Heirs	1	Grantsville	390000	810000	0.23	0.41	499326.7	4316198.5
021	5322	12/14/2001	Cabot		Ploma D Frymier	M E Gainer Heirs	1	Burnt House	390230	805730	2.15	1.52	501154.6	4317739.5
021	5425	12/09/2005	Whitehurst		Whitehurst International Corp	Gareth Whitehurst et al	1-D	Burnt House	392230	805730	1.16	0.79	502334.8	4319324.4
021	5698	05/26/2010	Whitehurst		Whitehurst International Corp	Gareth Whitehurst et al	1-D	Burnt House	392230	805730	1.16	0.79	502334.8	4319324.4
035	2475	06/02/2000	BNG		Clovis Haynes	Elizabeth Ward Perkins et al	1	Kentuck	384500	813230	1.70	1.19	451006.0	4286234.5
035	2480	10/06/2000	CNR		Fred Johnson & John Wiggins et ux		24458	Liverpool	390230	813500	2.55	0.33	448960.6	4317257.5
035	2481	09/29/2000	CNR		Vernon Griffith	Vernon Griffith	24505	Sandyville	390000	813730	2.85	1.36	443656.9	4312177.0
035	2482	09/29/2000	CNR		Gertrude Harbin	Gertrude Harbin	24457	Liverpool	390000	813500	2.30	2.14	446020.4	4313048.9
035	2483	10/27/2000	CNR		Lionel & Garnet Thomas		24511	Rockport	390000	813230	0.23	2.11	449677.0	4316359.0
035	2490	12/01/2000	CNR		Earl W Thompson et al/Grace Browder		24509	Liverpool	390000	813500	0.44	1.68	446763.6	4316039.0
035	2491	12/15/2000	CNR		Gary & Patricia Sheppard		24514	Rockport	390230	813230	1.97	2.22	449520.1	4318178.5
035	2492	12/15/2000	CNR		Eula Corns		24515	Liverpool	390000	813500	1.20	1.15	447621.6	4314800.5
035	2493	12/15/2000	CNR		Gary & Libby Dillon		24516	Liverpool	390000	813500	1.59	1.72	446679.1	4314189.5
035	2494	12/15/2000	CNR		John P Adams Jr		24517	Sandyville	385730	813730	0.50	2.09	442495.3	4311353.5
035	2500	01/26/2001	Key		Frank Butler & Key Oil	Frank Butler & Key Oil	1	Sandyville	385730	814000	1.41	1.02	440582.8	4309888.0
035	2503	03/09/2001	EAE		Lorene D Boggs	Lorene D Boggs	1	Sandyville	385730	814230	2.50	0.32	438089.4	4308149.5
035	2504	03/09/2001	EAE		Larry W & Rita Pepper	Larry W & Rita Pepper	1	Sandyville	385730	813730	0.61	1.31	443745.5	4311159.5
035	2507	03/23/2001	EAE		Frank & Anne Murrey	Frank & Anne Murrey	1	Sandyville	390000	813730	2.86	0.21	445509.8	4312164.0
035	2510	05/04/2001	Peake		James E & Linda S Bever	Benjamin Shockey Heirs et al	PKN-922	Sandyville	385500	814230	0.33	1.76	435768.1	4307059.0
035	2511	05/04/2001	Peake		James A Suck, Jr	James A Suck, Jr et al	PKN-918	Sandyville	385730	814230	1.71	0.53	437762.2	4309447.0
035	2512	05/04/2001	Peake		Hazel Armstrong et al	Hazel Armstrong et al	PKN-919	Sandyville	385730	814000	1.91	1.69	439492.9	4309094.0
035	2513	05/04/2001	Peake		Charles & Judith Rector	Charles & Judith Rector	PKN-920	Sandyville	385500	814230	0.14	0.65	437553.3	4307352.0
035	2514	07/06/2001	Cabot		Howard E Johnson Sr & Phyllane C Johnson	Cabot Oil & Gas Corporation	Robins 1	Liverpool	390000	813500	1.07	2.07	446131.0	4315026.0
035	2516	07/20/2001	BNG		Talmadge Skeen	Elizabeth Ward Perkins	2	Kentuck	384230	813500	1.02	0.85	447892.5	4282740.5
035	2518	08/10/2001	North Coast		Sandy Creek Farms	Rosa Browning Heirs et al	PKN-921	Sandyville	385730	814230	2.74	1.15	436737.8	4307790.0
035	2519	08/24/2001	BNG		Dennis & Meike Freshour	Elizabeth Ward Perkins	1	Kentuck	384500	813500	2.71	0.37	448677.6	4284615.5
039	5307	10/04/1999	CNR	Chesapeake Appalachia, LLC	Appalachian Land Co	Pine Mountain Oil & Gas	24021	Mammoth	382230	811730	0.76	0.62	473523.9	4246028.0
039	5369	02/23/2001	Base		James G Karickhoff	Minnie Smith Heirs	3	Kettle	383230	812500	2.32	0.59	462726.2	4262067.0
039	5493	06/14/2002	Cabot		MFIIW, Inc	D H Morton	10	Sissonville	383230	814000	0.52	1.20	439956.9	4265103.0
043	3097	05/05/2000	CNR	Chesapeake Appalachia, LLC	Carolyn Brewster et al	Columbia Natural Resources	24054Rev	Big Creek	380730	820230	1.49	2.18	405162.4	4217626.5
043	3104	05/26/2000	CNR	Chesapeake Appalachia, LLC	Charles Hager	Columbia Natural Resources	24317	Big Creek	380730	820500	0.86	0.26	404609.8	4218652.4
043	3136	12/08/2000	JMS		Roger D & Mary A Bell	DW & Elaine Stonestreet	1	Hager	381500	820000	2.84	2.05	409141.2	4229295.5
043	3137	04/06/2001	CNR	Chesapeake Appalachia, LLC	Willis E Kiser et al	Columbia Natural Resources	24579	Branchland	381230	820730	0.28	0.62	400501.1	4228872.5
053	423	05/23/2003	AEP		Appalachian Power Co.	Appalachian Power Co.	1	New Haven	390000	815500	1.65	1.14	418761.1	4314329.4
073	2279	11/14/2000	Whittle		Spindletop Farms	Spindletop Farms	W-1501	Raven Rock	392500	811000	1.59	0.36	485073.9	4360263.0
073	2280	11/14/2000	Whittle		Spindletop Farms	Spindletop Farms	W-1502	Raven Rock	392500	811000	2.23	0.40	485000.3	4359214.5
073	2281	11/14/2000	Whittle		Ann Leonard Estate	Ann Leonard Estate	W-1503	Raven Rock	392500	810730	2.46	1.79	486363.1	4358842.0

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 122-164 of 293. Columns, part 2 of 3.

County Code	Permit Number	Target Formation	Target Depth (feet)	Spud Date	Date Total Depth Reached	Total Depth (feet)	Comments	Initial Open Flow (Mcf)	Final Open Flow (Mcf)	Rock Pressure (psi)	1999 Gas Production (Mcf)	2000 Gas Production (Mcf)	2001 Gas Production (Mcf)	2002 Gas Production (Mcf)	2003 Gas Production (Mcf)	2004 Gas Production (Mcf)
021	5300	Basement	22000				cancelled 10/22/2004									
021	5301	Basement					cancelled 03/14/2003									
021	5305	Basement	22000				cancelled 10/22/2004									
021	5306	Basement	22000				cancelled 10/22/2004									
021	5307	Basement	22000				cancelled 10/22/2004									
021	5320	Basement	21000				cancelled 12/20/2002									
021	5321	Basement	21000				cancelled 12/20/2002									
021	5322	Basement	21000				cancelled 12/20/2002									
021	5425	Basement					cancelled 02/12/2010; see 4702105698									
021	5698	Basement					was 4702105425									
035	2475	Basement	14500	07/04/2000	07/26/2001	9775				6300					106543	33411
035	2480	Trenton	10500				cancelled 11/08/2002									
035	2481	Trenton	10500				cancelled 11/08/2002									
035	2482	Trenton	10500	03/26/2000	06/01/2001	10035	directional;partially plugged to 8916 feet 05/27/2001; completed OH with acid;workover permitted 08/29/2003		10	125						
035	2483	Trenton	10500				cancelled 11/08/2002									
035	2490	Trenton	10500				cancelled 02/14/2003									
035	2491	Trenton	10500				cancelled 02/14/2003									
035	2492	Trenton	10500				cancelled 02/14/2003									
035	2493	Trenton	10500				cancelled 02/14/2003									
035	2494	Trenton	10500				cancelled 02/14/2003									
035	2500	Basement	18000				cancelled 03/07/2003									
035	2503	Trenton-Black River	10500				cancelled 04/17/2003									
035	2504	Trenton-Black River	10500				cancelled 04/17/2003									
035	2507	Trenton-Black River	10500				cancelled 04/17/2003									
035	2510	Basement	12000				cancelled 09/26/2003									
035	2511	Basement	13000				cancelled 09/26/2003									
035	2512	Basement	13350				cancelled 09/26/2003									
035	2513	Basement	13500				cancelled 09/26/2003									
035	2514	Trenton-Black River	11084				cancelled 08/15/2003									
035	2516	Basement					cancelled 10/11/2002									
035	2518	Basement	13100				cancelled 09/26/2003									
035	2519	Basement					cancelled 03/22/2002									
039	5307	Beekmantown	11160	10/08/1999	03/13/2000	9591	300 ppm H2S, Black River; 12 months production 2002	15000	natural	4575		0	0	94779	62088	49038
039	5369	Basement	16000				cancelled 03/14/2003									
039	5493	Trenton-Black River	12000				not drilled									
043	3097	Beekmantown	10139	05/18/2000	08/28/2000	10070	plugged back to 9665; well work completed 09/27/2001, 3 months production 2001; 2 months prod 2002		1500	1835			9346	5687	0	0
043	3104	Beekmantown	9929	10/01/2000	10/19/2000	9596	no 4.5 inch casing yet; well was logged & filled with polymer mud									
043	3136	Basement					not drilled									
043	3137			05/22/2001	09/13/2001	8053	open hole completion, 6534-8053; 3 months production 2001	233		1993			1945	3399	3189	2966
053	423	Basement	9300	05/23/2003	07/29/2003	9190	CO2 sequestration project core hole									
073	2279	Trenton-Black River	18000				cancelled 02/07/2003									
073	2280	Trenton-Black River	18000				cancelled 02/07/2003									
073	2281	Trenton-Black River	18000				cancelled 02/14/2003									

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 122-164 of 293. Columns, part 3 of 3.

County Code	Permit Number	2005 Gas Production (Mcf)	2006 Gas Production (Mcf)	2007 Gas Production (Mcf)	2008 Gas Production (Mcf)	2009 Gas Production (Mcf)	Cumulative Gas Production (Mcf)	Record Received	Logs Received
021	5300						0		
021	5301						0		
021	5305						0		
021	5306						0		
021	5307						0		
021	5320						0		
021	5321						0		
021	5322						0		
021	5425								
021	5698								
035	2475	40656	28462				209,072	yes	
035	2480						0		
035	2481						0		
035	2482	abandoned well	abandoned well	abandoned well			0	yes	
035	2483						0		
035	2490						0		
035	2491						0		
035	2492						0		
035	2493						0		
035	2494						0		
035	2500						0		
035	2503						0		
035	2504						0		
035	2507						0		
035	2510						0		
035	2511						0		
035	2512						0		
035	2513						0		
035	2514						0		
035	2516						0		
035	2518						0		
035	2519						0		
039	5307	40327	32838	30278	44533	34200	388,081	yes	
039	5369						0		
039	5493						0		
043	3097	0	0	abandoned well	abandoned well	0	15,033	yes	
043	3104	abandoned well	abandoned well	abandoned well			0	yes	
043	3136						0		
043	3137	2824	2496	2296	1951	2661	23,727	yes	
053	423	strat test					0		
073	2279						0		
073	2280						0		
073	2281						0		

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 165-208 of 293. Columns, part 1 of 3.

County Code	Permit Number	Permit Date	Operator	Subsequent Operator	Surface Owner	Royalty Owner	Well Number	7.5-Minute Quadrangle	Latitude (ddmmss)	Longitude (ddmmss)	Miles South	Miles West	UTM Easting (meters)	UTM Northing (meters)
073	2293	12/14/2001	Triad		Shirley G Giboney et ux	Mary Lee White Harcha	1	Schultz	392230	811000	1.40	1.33	483509.7	4355950.5
079	1258	02/18/2000	CNR	Chesapeake Appalachia, LLC	Jessie & Janice McCallister	Jessie & Janice McCallister	24050	Garretts Bend	382000	815730	1.98	0.21	415867.4	4239857.0
079	1264	11/23/2000	CNR	Chesapeake Appalachia, LLC	Denise E Hart	Columbia Natural Resources	24052	Hamlin	381730	820000	0.38	0.71	411398.6	4237843.9
079	1265	01/05/2001	JMS		Randall Keith Wymer	DW and Elaine M Stonestreet	1	Garretts Bend	382000	815500	1.07	0.87	418456.3	4241279.0
085	8741	03/09/2001	Fairman		Sally MacAllaster	Sally MacAllaster et al	1 Carter/MacAllaster	Auburn	390730	805000	2.40	1.52	511963.8	4326596.0
085	8747	03/23/2001	Sugar Rock		Buss & Mae Blankenship	Buss & Mae Blankenship	2	Harrisville	391000	810230	0.69	0.15	496160.1	4333954.5
085	8748	03/23/2001	Sugar Rock		David L Cox et al	Alvin W Nuzum et al	3	Harrisville	391000	810000	2.65	1.70	497262.5	4330748.5
085	8749	03/30/2001	Sugar Rock		Rowland J & Martha E Hill	Thelma Hardbarger et al	2	Harrisville	391000	810230	1.80	0.01	496374.9	4332167.0
085	8750	03/23/2001	Sugar Rock		Carl E Exline	North Hills Investment Corp et al	2	Pullman	391000	805730	1.73	1.58	501056.2	4332289.5
085	8751	03/23/2001	Sugar Rock		Buss & Mae Blankenship	Buss & Mae Blankenship	2	Harrisville	391000	810230	1.13	0.62	495391.1	4333246.0
085	8752	03/23/2001	Sugar Rock		Andrew C Palguta & Mary M Palguta	AF Mullenax Heirs	3	Harrisville	391000	810000	1.27	0.09	499856.2	4333029.5
085	8753	03/23/2001	Sugar Rock		Gail Hardbarger	Gail Hardbarger et al	2	Harrisville	391000	810000	1.64	1.23	498007.5	4332413.5
085	8754	03/23/2001	Sugar Rock		Lorris J & Lottie B Reed	Virginia Royer et al	2	Harrisville	391000	810000	1.25	1.99	496783.4	4333060.5
085	8755	03/23/2001	Sugar Rock		Clareth Haddox	Clareth Haddox et al	2	Harrisville	391000	810000	0.44	0.39	499375.7	4334355.0
085	8756	03/23/2001	Sugar Rock		Eloise D Miracle	Eloise D Miracle	3	Pullman	391230	805730	1.78	0.42	502927.0	4336821.0
085	8757	03/23/2001	Sugar Rock		Ernestine Ditlow et al	Ernestine Ditlow et al	2	Pullman	391000	805730	0.89	1.88	500576.1	4333615.9
085	8758	03/23/2001	Sugar Rock		Nathaniel Hendricks	Nathaniel Hendricks et al	4	Pullman	391230	805730	2.48	2.06	500288.0	4335680.5
085	8764	05/18/2001	Dorva		Frederick J Strange	Jack L Britton	D-3	Auburn	390500	805000	0.41	2.12	511004.4	4325176.5
085	8769	05/04/2001	Trans-Capital		Delphine Haddox, Charles Baker et al	Paul Baker Heirs	W-1512	Auburn	390730	805000	1.92	0.74	513211.5	4327368.5
085	8770	05/04/2001	Trans-Capital		Virginia Adams	Harley Garrison	W-1517	Auburn	390730	804730	1.59	1.54	515540.8	4327896.5
085	8772	05/25/2001	Trans-Capital		Ronnie Smith	Madge Smith	W-1513	Burnt House	390500	805230	0.34	0.67	509731.3	4325267.0
085	8773	05/18/2001	Trans-Capital		Karen Henrickson (Flippin)	Dewilson Law et al	W-1514	Burnt House	390500	805230	0.84	1.77	507953.6	4324463.5
085	8774	05/25/2001	Trans-Capital		G P Bartlett	R H Bartlett Heirs	W-1515	Burnt House	390500	805230	0.55	1.27	508770.1	4324927.5
085	8775	05/25/2001	Trans-Capital		Jerry & Nellie Workman	E W Bell Heirs	W-1516	Auburn	390730	804730	0.97	1.67	515322.5	4328882.0
085	8776	05/18/2001	Trans-Capital		J A Spurgeon Heirs et al	J A Spurgeon Heirs	W-1527	Burnt House	390230	805730	0.03	0.40	502956.7	4321134.5
085	8778	06/01/2001	Megan		Noah Yoder	Appalachian Royalties Inc	1-D	Smithville	390230	810000	1.65	1.13	498172.4	4318541.5
085	8779	06/01/2001	Megan		Marvin Morthimer	Appalachian Royalties Inc	2-D	Smithville	390230	810000	1.33	1.61	497403.0	4319004.5
085	8780	06/01/2001	Megan		Dennis W Goff	Dana B Beall et al	1-D	Smithville	390230	810000	2.10	0.54	499134.0	4317801.5
085	8786	06/08/2001	Trans-Capital		Dewey Haddox et ux	Dewey Haddox et al	W-1530	Burnt House	390500	805500	2.56	2.05	503894.0	4321686.5
085	8787	06/08/2001	Trans-Capital		Dewey Haddox et ux	Dewey Haddox et al	W-1531	Burnt House	380500	805500	2.65	1.48	504831.6	4321563.5
085	8788	06/08/2001	Trans-Capital		Freddie L & Dorna J Fleming	Dausy C Sinnett Heirs et al	W-1534	Burnt House	390230	805730	0.66	0.95	502067.5	4320144.5
085	8789	06/08/2001	Trans-Capital		Linda B & Richard E Blizard, Jr	J E Leggett Heirs	W-1524	Auburn	390730	805000	1.17	0.20	514098.1	4328572.0
085	8790	06/08/2001	Trans-Capital		Jessie Sheets	Jessie Sheets et al	W-1532	Burnt House	390500	805500	1.42	0.57	506296.4	4323537.5
085	8791	06/08/2001	Trans-Capital		Jessie Sheets	Jessie Sheets et al	W-1533	Burnt House	390500	805500	1.80	1.00	505599.8	4322920.5
085	8792	07/06/2001	RE Richards		Little Kanawha Soil Conservation District	Russell & Mary Richards	3	Harrisville	391500	810500	2.16	0.47	492038.5	4340832.5
085	8802	06/08/2001	Trans-Capital		Delphine Haddox et al	Paul Baker Heirs	W-1528	Auburn	390730	805000	2.54	0.89	512973.1	4326350.0
085	8804	07/06/2001	Dominion		Phillips Hudson	A A Clayton	5792	Burnt House	390500	805500	1.72	1.85	504230.0	4323042.5
085	8805	07/06/2001	Dominion		Leroy Wright et al	S T Wright	5793	Burnt House	390500	805500	1.03	1.42	504926.4	4324153.0
085	8806	07/06/2001	Dominion		Louise Ground	C E Cunningham	5804	Burnt House	390730	805230	2.41	2.09	507447.4	4326559.0
085	8808	07/13/2001	Jay-Bee		Jack & Mary Berry	Albert Groves et al	23	Burnt House	390730	805230	0.49	1.89	507756.4	4329642.5
085	8809	07/13/2001	Jay-Bee		William & June Grant	Riddle Heirs et al	21A	Burnt House	390500	805230	1.34	2.03	507545.8	4323662.0
085	8810	07/13/2001	Jay-Bee		Andy J Shetler	Albert Groves et al	24	Burnt House	390730	805230	1.01	2.14	507348.9	4328810.0
085	8812	07/13/2001	Jay-Bee		Thomas N Trippe et al	Riddle Heirs et al	22A	Burnt House	390500	805500	1.92	0.04	507138.1	4322736.5
085	8813	07/13/2001	Jay-Bee		Sally MacAllaster	Sally MacAllaster/Campbell	6	Burnt House	390730	805230	0.36	1.23	508812.8	4329859.5

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 165-208 of 293. Columns, part 2 of 3.

County Code	Permit Number	Target Formation	Target Depth (feet)	Spud Date	Date Total Depth Reached	Total Depth (feet)	Comments	Initial Open Flow (Mcf)	Final Open Flow (Mcf)	Rock Pressure (psi)	1999 Gas Production (Mcf)	2000 Gas Production (Mcf)	2001 Gas Production (Mcf)	2002 Gas Production (Mcf)	2003 Gas Production (Mcf)	2004 Gas Production (Mcf)
073	2293	Basement	23000				not drilled									
079	1258	Trenton-Black River		02/16/2000	06/12/2001	7476	7 months production 2001	5000	open hole	5000		0	89621	100651	27908	19731
079	1264	Trenton-Black River	10309	01/09/2001	03/16/2001	10231	Beekmantown at TD; PB to 6336 and kicked off to 10231; 10 months production 2008	103	49	3600						abandoned well
079	1265	Basement					cancelled 02/06/2004									
085	8741	Basement	21000				cancelled 07/18/2003									
085	8747	Basement	21000				cancelled 06/27/2003									
085	8748	Basement	21000				cancelled 06/27/2003									
085	8749	Basement	21000				cancelled 06/27/2003									
085	8750	Basement	21000				cancelled 06/27/2003									
085	8751	Basement	21000				cancelled 06/27/2003									
085	8752	Basement	21000				cancelled 06/27/2003									
085	8753	Basement	21000				cancelled 06/27/2003									
085	8754	Basement	21000				cancelled 06/27/2003									
085	8755	Basement	21000				cancelled 06/27/2003									
085	8756	Basement	21000				cancelled 06/27/2003									
085	8757	Basement	21000				cancelled 06/27/2003									
085	8758	Basement	21000				cancelled 06/27/2003									
085	8764	Basement	21000				cancelled 10/22/2004									
085	8769	Basement					cancelled 10/22/2004									
085	8770	Basement					cancelled 10/22/2004									
085	8772	Basement					cancelled 10/22/2004									
085	8773	Basement					cancelled 10/22/2004									
085	8774	Basement					cancelled 10/22/2004									
085	8775	Basement					cancelled 10/29/2004									
085	8776	Basement					cancelled 10/29/2004									
085	8778	Basement	22000				cancelled 10/29/2004									
085	8779	Basement	22000				cancelled 10/29/2004									
085	8780	Basement	22000				cancelled 10/29/2004									
085	8786	Basement	21000				cancelled 10/29/2004									
085	8787	Basement	21000				cancelled 10/29/2004									
085	8788	Basement					cancelled 08/10/2001									
085	8789	Basement					cancelled 10/29/2004									
085	8790	Basement	21000				cancelled 10/29/2004									
085	8791	Basement	21000				cancelled 10/29/2004									
085	8792	Basement					cancelled 10/29/2004									
085	8802	Basement					cancelled 10/29/2004									
085	8804	Basement	22000				cancelled 10/29/2004									
085	8805	Basement	22000				cancelled 10/29/2004									
085	8806	Basement	22000				cancelled 10/29/2004									
085	8808	Basement	21000				cancelled 10/29/2004									
085	8809	Basement	21000				cancelled 10/29/2004									
085	8810	Basement	21000				cancelled 10/29/2004									
085	8812	Basement	21000				cancelled 10/29/2004									
085	8813	Basement	21000				cancelled 10/29/2004									

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 165-208 of 293. Columns, part 3 of 3.

County Code	Permit Number	2005 Gas Production (Mcf)	2006 Gas Production (Mcf)	2007 Gas Production (Mcf)	2008 Gas Production (Mcf)	2009 Gas Production (Mcf)	Cumulative Gas Production (Mcf)	Record Received	Logs Received
073	2293						0		
079	1258	13805	7620	7041	7008	9501	282,886	yes	
079	1264	abandoned well	abandoned well	abandoned well	4794	4493	9,287	yes	
079	1265						0		
085	8741						0		
085	8747						0		
085	8748						0		
085	8749						0		
085	8750						0		
085	8751						0		
085	8752						0		
085	8753						0		
085	8754						0		
085	8755						0		
085	8756						0		
085	8757						0		
085	8758						0		
085	8764						0		
085	8769						0		
085	8770						0		
085	8772						0		
085	8773						0		
085	8774						0		
085	8775						0		
085	8776						0		
085	8778						0		
085	8779						0		
085	8780						0		
085	8786						0		
085	8787						0		
085	8788						0		
085	8789						0		
085	8790						0		
085	8791						0		
085	8792						0		
085	8802						0		
085	8804						0		
085	8805						0		
085	8806						0		
085	8808						0		
085	8809						0		
085	8810						0		
085	8812						0		
085	8813						0		

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 209-252 of 293. Columns, part 1 of 3.

County Code	Permit Number	Permit Date	Operator	Subsequent Operator	Surface Owner	Royalty Owner	Well Number	7.5-Minute Quadrangle	Latitude (ddmmss)	Longitude (ddmmss)	Miles South	Miles West	UTM Easting (meters)	UTM Northing (meters)
085	8815	07/20/2001	Dominion		J D Brewer	Elizabeth Ferrell	5805	Burnt House	380730	805230	1.89	1.25	508791.8	4327393.0
085	8819	08/10/2001	Trans-Capital		Ruby Edman et al	Ruby Edman et al	W-1538	Burnt House	390230	805730	0.85	0.66	502548.4	4319836.5
085	8820	09/07/2001	Term		Milewski Property Group	Fred Berdine Jr	5	Burnt House	390500	805500	0.11	0.37	506606.9	4325634.0
085	8821	08/31/2001	Term		Lettie Pridemore & Robert Frealon Pridemore	Patricia L Ole et al	Riddle 5	Burnt House	390500	805500	0.87	0.83	505863.4	4324431.0
085	8822	08/31/2001	Term		Eric & Jeane C Whitlock	Ona Ruth Weimer	Fling 2	Burnt House	390230	805730	0.25	1.20	501658.6	4320791.5
085	8823	08/31/2001	Term		Myla S Fleming	Ona Ruth Weimer	Fling 1	Burnt House	390500	805730	2.54	1.31	501490.0	4321716.5
085	8827	09/07/2001	Jay-Bee		L Wendall Nutter et al	Guy Mason et al	M-32	Oxford	391000	805000	2.68	0.09	514262.3	4330761.0
085	8828	09/07/2001	Jay-Bee		Ruth Riddle	Guy Mason et al	M-31	Auburn	390730	805000	3.41	0.10	514240.0	4329589.5
085	8829	09/07/2001	Jay-Bee		Kermit & Reva Short	Mary Welch et al	Taylor 4	Auburn	390730	804730	0.39	1.78	515128.6	4329838.0
085	8830	08/31/2001	Bet-Ro		Dallas F & Ellen L Smith	Christine Mossor et al	Pierce 6	Oxford	391230	805000	2.29	1.79	511517.1	4335997.0
085	8831	09/07/2001	Bet-Ro		Elmer Woodyard Pierce et al	Elmer Woodyard Pierce et al	Pierce 7	Oxford	391230	805000	2.74	2.16	510918.4	4335286.5
085	8832	08/31/2001	Bet-Ro		Benjamin McVay and Jacob Pierce et al	Bet-Ro Inc	2	Oxford	391000	805000	0.13	1.65	511735.0	4334857.0
085	8835	08/31/2001	Bet-Ro		Samuel & Terese F Desist	Pauline Whitehair et al	1	Oxford	391230	805000	2.04	1.23	512404.2	4336399.0
085	8841	10/05/2001	Jay-Bee		Milton Smith	Milton Smith et al	10	Burnt House	390500	805230	0.05	1.82	507880.4	4325727.5
085	8842	10/05/2001	Jay-Bee		Pauline P Zinn	W B Wright	32	Burnt House	390500	805230	1.42	1.44	508483.2	4323539.5
085	8845	10/05/2001	Bet-Ro		Elmer & Sharon Pierce	L E Mossor Estate	2	Oxford	391230	805000	2.61	1.23	512405.6	4335505.0
085	8851	10/26/2001	Jay-Bee		C Myron & C Monroe Bailey	C Gainer et al	FL-501	Burnt House	390500	805730	2.07	1.75	500769.0	4322487.0
085	8852	10/26/2001	Jay-Bee		Pauline P Zinn	Pauline P Zinn et al	31	Burnt House	390500	805230	2.00	1.63	508172.0	4322583.0
085	8853	10/26/2001	Jay-Bee		Mary Riddle	Mary Riddle et al	20	Burnt House	390500	805500	0.15	2.17	503700.0	4325570.5
085	8854	10/26/2001	Jay-Bee		Floyd P Goff Estate	Floyd P Goff Estate et al	21	Burnt House	390500	805500	0.72	2.07	503686.8	4324546.0
085	8857	11/02/2001	Bet-Ro		Leroy McCallister	Leroy McCallister & Esther McCray	3	Smithville	390230	810500	0.45	0.78	491537.1	4320457.0
085	8858	11/09/2001	Bet-Ro		Rhoda Ray	Joann Ray et al	Campbell 6	Smithville	390230	810500	1.16	0.80	491487.7	4319316.5
085	8865	03/08/2002	CW & JE Richards		Barbara S Swesey	W D Shields	1-D	Schultz	391730	811000	0.03	1.51	483207.2	4348891.5
085	9076	07/02/2004	CW & JE Richards		Barbara S Swesey	W D Shields	1-D	Schultz	391730	811000	0.03	1.51	483207.2	4348891.5
087	4250	12/08/1998	CNR	Chesapeake Appalachia, LLC	Deborah Bolyard	Frederick C Parker et al	20097	Clio	383730	811730	1.21	0.34	474048.0	4273057.0
087	4253	06/14/1999	BNG	Martin Twist Energy Co LLC	Hobert Cook	Willa Groves Heirs	Hoff 1	Looneyville	384000	811500	2.61	1.84	475275.3	4275414.9
087	4254	07/14/1999	R & A		John Keslar	Mattie Carper et al	1	Clio	383730	811500	1.82	2.10	474843.3	4272068.0
087	4255	08/13/1999	CNR	Chesapeake Appalachia, LLC	Paul J Rohr et ux	Juanita Groves et al	23975	Clio	383730	811730	1.94	1.13	472786.5	4271890.0
087	4255	04/06/2001	CNR		Paul J Rohr et ux	Juanita Groves et al	23975	Clio	383730	811730	1.94	1.13	472786.5	4271890.0
087	4256	09/20/1999	CNR	Chesapeake Appalachia, LLC	PW Vineyard et al	Groves et al	23954	Looneyville	384000	811500	2.81	1.15	476385.7	4275089.5
087	4256	01/11/2002	CNR		PW Vineyard et al	Groves et al	23954 Rev	Looneyville	384000	811500	2.81	1.15	476376.4	4275084.0
087	4257	02/04/2000	B & R		Herbert Sload	Carl Looney et al	1	Tariff	384000	811230	0.17	0.85	480497.0	4279326.5
087	4258	02/04/2000	CNR		RC & GV Hammack	RC Hammack et al	24258	Tariff	384230	811230	2.73	1.04	480208.2	4279820.5
087	4259	02/18/2000	CNR	Chesapeake Appalachia, LLC	Shelva Twyman	Earnest Whitlach	24114	Tariff	384500	811000	2.19	1.50	483097.7	4285317.9
087	4260	02/04/2000	B & R		C Bragg & G Kwiatkowski	CP Looney Heirs	1	Looneyville	384000	811500	0.47	0.23	477885.7	4278850.0
087	4261	02/25/2000	CNR	Chesapeake Appalachia, LLC	James C Epling et ux	James C Epling et ux	24256	Tariff	384000	811230	0.46	1.71	479120.6	4278866.5
087	4262	02/11/2000	Boggs		Alice Schaller	Anderson Boggs Heirs	4	Tariff	384500	811000	2.38	0.97	483940.2	4285021.0
087	4263	02/25/2000	Trio		Norman C Ketchum et ux	Trio Petroleum Corp	Stone 1443	Tariff	384230	811000	0.07	2.21	481958.2	4284100.5
087	4264	02/18/2000	R & A		Douglas Groves	Douglas Groves	1	Clio	383730	811730	0.66	0.82	473277.0	4273953.0
087	4265	03/17/2000	CNR		Garrison Tawney et al	Garrison Tawney et al	24257	Looneyville	384000	811500	1.23	0.14	478027.1	4277637.0
087	4266	03/03/2000	B & R		William B Justice	William B Justice et al	1	Clio	383730	811500	0.19	0.51	477414.6	4274680.5
087	4267	03/10/2000	B & R		Alberta Cross	Alonzo Nutter	4	Tariff	384230	811230	1.70	0.36	481299.9	4281482.5
087	4268	03/24/2000	BNG		Eric Alderman	Geneva Adams	8	Tariff	384500	811000	2.21	0.41	484858.7	4285296.5
087	4269	06/16/2000	BNG		Pierson Lumber Company	Kenneth Boggs	1	Tariff	384500	811000	1.26	1.15	483654.0	4286809.5

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 209-252 of 293. Columns, part 2 of 3.

County Code	Permit Number	Target Formation	Target Depth (feet)	Spud Date	Date Total Depth Reached	Total Depth (feet)	Comments	Initial Open Flow (Mcf)	Final Open Flow (Mcf)	Rock Pressure (psi)	1999 Gas Production (Mcf)	2000 Gas Production (Mcf)	2001 Gas Production (Mcf)	2002 Gas Production (Mcf)	2003 Gas Production (Mcf)	2004 Gas Production (Mcf)
085	8815	Basement	22000				cancelled 10/29/2004									
085	8819	Basement	21000				cancelled 10/29/2004									
085	8820	Basement	21000				cancelled 10/29/2004									
085	8821	Basement	21000				cancelled 10/29/2004									
085	8822	Basement	21000				cancelled 10/29/2004									
085	8823	Basement	21000				cancelled 10/29/2004									
085	8827	Basement	21000				cancelled 10/29/2004									
085	8828	Basement	21000				cancelled 10/29/2004									
085	8829	Basement	21000				cancelled 10/29/2004									
085	8830	Basement	21000				cancelled 10/29/2004									
085	8831	Basement	21000				cancelled 10/29/2004									
085	8832	Basement	21000				cancelled 10/29/2004									
085	8835	Basement	21000				cancelled 10/29/2004									
085	8841	Basement	21000				cancelled 10/29/2004									
085	8842	Basement	21000				cancelled 10/29/2004									
085	8845	Basement	21000				cancelled 10/29/2004									
085	8851	Basement	21000				cancelled 10/29/2004									
085	8852	Basement	21000				cancelled 10/29/2004									
085	8853	Basement	21000				cancelled 10/29/2004									
085	8854	Basement	21000				cancelled 10/29/2004									
085	8857	Basement	21000				cancelled 10/29/2004									
085	8858	Basement	21000				cancelled 10/29/2004									
085	8865	Basement					cancelled 06/11/2004; see 085 9076									
085	9076	Basement					was 085 8865									
087	4250	Trenton-Black River	10680	03/15/1999	04/21/1999	10271	4 months production 1999	50000	natural	5750	343327	1797927	891246	878862	509236	234044
087	4253	Black River	10500	09/21/1999	05/05/2000	10351	6 months production, 2005								2069	1702
087	4254	Basement					expired permit; see 087 4294									
087	4255	Black River-Copper Ridge	12600	09/01/1999	10/15/1999	9712	one month production, 1999	28000	natural	4897	26082	183006	68450	100766	110020	68482
087	4255	Black River		11/02/2001	01/12/2002	10462	deepening from Trenton	1000	open hole	5147						
087	4256	Black River	10765	02/27/2000	01/17/2001	11198	kicked off twice; 11 months production 2001	231	84	2945			13597	0	0	0
087	4256	Black River	10765				directional well: BHL ~234 ft. ESE of SHL; plugged 02/24/2002									
087	4257	Black River	12600				not drilled									
087	4258	Beekmantown-Copper Ridge					cancelled 02/22/2002									
087	4259	Trenton-Black River		03/20/2000	02/15/2001	11086	open hole completion 9780-11,086; 3 months production 2001	2500		6870			74524	263877	130799	103189
087	4260	Black River					cancelled 04/12/2002									
087	4261	Copper Ridge		06/02/2000	08/07/2000	10205	natural open hole; 9586-10205; 11 months production 2001	200		5850			996874	52845	36948	28360
087	4262	Basement	14000				cancelled 03/01/2002									
087	4263	Conasauga	15100				see 087 4314-same location; cancelled									
087	4264	Basement					directional; cancelled 03/01/2002									
087	4265	Copper Ridge					cancelled 09/29/2000; see 087 4278 same lease									
087	4266	Basement	18000				cancelled 04/12/2002									
087	4267	Basement	18000				cancelled 11/09/2001; see 087 4306 same lease									
087	4268	Basement	14000				cancelled 05/17/2002									
087	4269	Basement	14000				cancelled 08/16/2002									

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 209-252 of 293. Columns, part 3 of 3.

County Code	Permit Number	2005 Gas Production (Mcf)	2006 Gas Production (Mcf)	2007 Gas Production (Mcf)	2008 Gas Production (Mcf)	2009 Gas Production (Mcf)	Cumulative Gas Production (Mcf)	Record Received	Logs Received
085	8815						0		
085	8819						0		
085	8820						0		
085	8821						0		
085	8822						0		
085	8823						0		
085	8827						0		
085	8828						0		
085	8829						0		
085	8830						0		
085	8831						0		
085	8832						0		
085	8835						0		
085	8841						0		
085	8842						0		
085	8845						0		
085	8851						0		
085	8852						0		
085	8853						0		
085	8854						0		
085	8857						0		
085	8858						0		
085	8865						0		
085	9076						0		
087	4250	299686	316842	239388	192251	110529	5,813,338	yes	
087	4253	742	717		abandoned well	abandoned well	5,230		
087	4254						0		
087	4255	57068	38172	44281	32276	34329	762,932	yes	
087	4255						0	yes	
087	4256	plugged	plugged	plugged	plugged	plugged	13,597	yes	
087	4256						0		
087	4257						0		
087	4258						0		
087	4259	100217	57915	32976	74792	65890	904,179	yes	
087	4260						0		
087	4261	20155	13899	10132	9699	7062	1,175,974	yes	
087	4262						0		
087	4263						0		
087	4264						0		
087	4265						0		
087	4266						0		
087	4267						0		
087	4268						0		
087	4269						0		

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 253-292 of 293. Columns, part 1 of 3.

County Code	Permit Number	Permit Date	Operator	Subsequent Operator	Surface Owner	Royalty Owner	Well Number	7.5-Minute Quadrangle	Latitude (ddmmss)	Longitude (ddmmss)	Miles South	Miles West	UTM Easting (meters)	UTM Northing (meters)
087	4270	04/26/2000	BNG		Orland Young	Young-Hamond	3	Tariff	384500	811000	1.77	0.70	484376.6	4286007.0
087	4272	03/24/2000	CNR		John Linkinogger	Emelyn Linkinogger et al	24254	Tariff	384230	811000	1.09	1.83	482558.3	4282466.0
087	4274	05/19/2000	CNR	Chesapeake Appalachia, LLC	Suzanne J Sallach	Arietia Halcomb et al	24362	Tariff	384230	811230	1.09	0.24	481495.3	4282468.5
087	4276	05/19/2000	CNR	Chesapeake Appalachia, LLC	William Reichenbach	Paul Brannon et al	24316	Tariff	384500	811000	0.64	0.77	484276.9	4287811.8
087	4277	05/19/2000	BNG		Ronald Pokrandt	Hurst-Simmoms Heirs	2	Tariff	384230	811230	2.41	1.50	479460.2	4280345.5
087	4278	07/21/2000	CNR	Chesapeake Appalachia, LLC	Garrison Tawney et al	Garrison Tawney et al	24452	Looneyville	384000	811500	1.17	0.15	478003.6	4277726.1
087	4279	12/15/2000	BNG		Marshall Lytle & Harry Anderson	Ethel Belknap et al	1	Looneyville	384000	811500	0.78	0.82	476918.8	4278350.0
087	4283	02/23/2001	BNG		Meredith Crouse	Denver Wallbrown	1	Tariff	384500	811000	0.02	1.02	483875.6	4288812.5
087	4284	01/25/2002	BNG		Danny Jett	Danny Jett & French Nichols	1	Tariff	384230	811230	0.16	0.65	480839.4	4283968.9
087	4285	05/04/2001	BNG		Elijah & Patsy Brannon	Elijah & Patsy Brannon	1	Tariff	384500	811000	0.71	1.36	483317.7	4287704.0
087	4286	05/18/2001	BNG		James Simmons	Elizabeth Ferrell Estate	1	Tariff	384500	811230	1.83	0.27	481454.9	4285889.0
087	4287	05/04/2001	BNG		Icy Nichols Heirs	Trexie Ellis	Combs 1	Tariff	384500	811230	2.36	0.07	481766.7	4285056.5
087	4288	07/13/2001	BNG		Jimmy Jett	Greta Suttle	1	Tariff	384500	811230	2.39	0.67	480800.8	4284997.5
087	4290	05/18/2001	BNG		Edwin Greathouse	Steven B Walbrown et al	Starcher 1	Tariff	384500	811000	0.23	1.74	482716.0	4288476.0
087	4292	12/07/2001	Dominion		Randall Bryan	F C McGlothin	5809	Tariff	384230	811230	2.25	0.68	481877.2	4280586.5
087	4294	07/20/2001	R & A		John Keslar	Mattie Carper et al	1	Clio	383730	811500	1.82	2.10	474843.3	4272068.0
087	4306	11/09/2001	Nitro	West Side Exploration	Alberta Cross	Nutter Heirs	1	Tariff	384230	811230	1.71	0.51	481058.7	4281472.0
087	4309	01/11/2002	CNR		Robert C Hammack Jr & Glenna V Hammack	Robert C Hammack, Jr et ux	24830	Tariff	384230	811230	2.80	1.12	480072.6	4279719.0
087	4309	07/26/2004	CNR		Robert C Hammack Jr & Glenna V Hammack	Robert C Hammack, Jr et ux	24830	Tariff	384230	811230	2.80	1.12	480072.6	4279719.0
087	4311	01/18/2002	Martin Twist		P W Vineyard	Ross & Ralph Vineyard, Opal Mirguet	1	Looneyville	384000	811500	1.97	1.46	475896.3	4276441.5
087	4314	04/05/2002	Trio		Norman C Ketchum et ux	Trio Petroleum Corp	Stone 1443	Tariff	384230	811000	0.07	2.21	481958.2	4284100.5
087	4347	02/06/2004	Martin Twist		L Summers, A Lane, & H Anderson	Kitty Thaxton	Belknap 1	Looneyville	384000	811500	0.78	0.82	476926.6	4278357.2
087	4381	09/19/2003	EAE		Alvaro Rupert McClung	Aulene Miller et al	1D	Walton	384500	812500	2.22	0.45	463052.3	4285337.4
087	4391	02/06/2004	Martin Twist		Elijah & Pansy Brannon	Elijah & Pansy Brannon	1	Tariff	384500	811000	0.71	1.36	483327.9	4287701.0
087	4392	02/06/2004	Martin Twist		Icy Nichols Heirs	Trexie Ellis	Combs 1	Tariff	384500	811000	2.36	2.32	481778.0	4285047.0
087	4393	02/06/2004	Martin Twist		Jimmy Jett	Greta Suttle	Suttle 1	Tariff	384500	811230	2.39	2.92	480809.7	4285001.0
087	4394	02/06/2003	Martin Twist		G B Simmons	Elizabeth Ferrell Estate	1	Tariff	384500	811230	1.83	0.27	481455.3	4285901.4
087	4395	02/06/2004	Martin Twist		Edwin Greathouse	Steven B Walbrown et al	Starcher 1	Tariff	384500	811000	0.23	1.74	482718.5	4288475.3
087	4454		ECA		Clifton M Murray et al	Edward Gotts	1-D Revised	Walton	384500	812230				
087	4472	09/02/2005	ECA		Clifton M Murray et al	Edward Gotts	1-E Revised	Walton	384500	812230				
097	3027	12/22/2000	Howard		Sun Lumber Co	James D Larosa	4A	Goshen	384500	802000	0.67	0.40	557288.0	4287953.5
097	3028	12/15/2000	Howard		Sun Lumber Co	James D Larosa	3A	Goshen	384500	802000	0.40	0.92	556464.0	4288380.0
097	3029	12/22/2000	Howard		Sun Lumber Co	James D Larosa	2A	Goshen	384500	802000	1.29	1.10	556184.3	4286960.0
097	3030	12/15/2000	Howard		Sun Lumber Co	James D Larosa	1A	Goshen	384500	802000	1.20	1.69	555217.9	4287076.5
097	3042	03/23/2001	Howard		Sun Lumber Co	James D Larosa	5A	Rock Cave	384730	802000	2.50	0.62	559616.5	4289616.5
099	2037	08/11/2000	CNR	Chesapeake Appalachia, LLC	Roma Madeline Curry Crawford	Columbia Natural Resources	24319	Kiahsville	380500	821500	1.52	0.42	389663.9	4213154.2
101	92	08/18/2000	CNR		Sun Lumber Co	Williard Ferrell et al	24371	Hacker Valley	384500	802230	2.40	0.23	553975.5	4285157.5
107	1634	07/20/2001	Stastny		David C & Sheila L Stastny	David & Sheila Stastny	1	Kanawha	391000	812230	1.61	1.82	464664.0	4332554.0
107	1636	08/10/2001	Cabot		Ronald L Clark et ux	Cabot Oil & Gas Corporation	W A Brown 1	Rockport	390500	813230	1.75	1.38	450898.1	4323163.5
107	1637	07/20/2001	Cabot		Cecil D Allman	Cabot Oil & Gas Corporation	McPeek 1	Rockport	390230	813230	0.45	2.10	449727.9	4320613.0

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 253-292 of 293. Columns, part 2 of 3.

County Code	Permit Number	Target Formation	Target Depth (feet)	Spud Date	Date Total Depth Reached	Total Depth (feet)	Comments	Initial Open Flow (Mcf)	Final Open Flow (Mcf)	Rock Pressure (psi)	1999 Gas Production (Mcf)	2000 Gas Production (Mcf)	2001 Gas Production (Mcf)	2002 Gas Production (Mcf)	2003 Gas Production (Mcf)	2004 Gas Production (Mcf)
087	4270	Basement	14000				cancelled 08/16/2002									
087	4272	Trenton-Black River?	14000				cancelled 05/17/2002									
087	4274	Copper Ridge	11750	02/09/2001	12/31/2001	11060	acidized		1200	7100				183492	110639	23779
087	4276	Copper Ridge	12130	04/20/2001	06/12/2001	12130	plugged (Brett, 07/23/2001)									
087	4277	Basement	14000				cancelled 02/22/2002									
087	4278	Copper Ridge		08/10/2000	10/19/2000	10292	natural open hole; 9604-10292; one month production, 2000	200		5800		51338	576925	79579	55907	57190
087	4279	Basement	18000				cancelled 10/11/2002									
087	4283	Basement	18000				cancelled 10/11/2002									
087	4284	Basement		05/18/2002	06/14/2002	5000	shallow well?; cancelled 08/04/2006									
087	4285	Basement					cancelled 10/11/2002; see 087 4391									
087	4286	Basement					cancelled 10/18/2002; see 087 4394									
087	4287	Basement					cancelled 10/18/2002; see 087 4392									
087	4288	Basement					cancelled 10/18/2002; see 087 4393									
087	4290	Basement	18000				expired permit; see 087 4395									
087	4292	Basement	22000				cancelled 08/27/2004									
087	4294	Basement					was 087 4254: cancelled 07/11/2003									
087	4306	Basement	18000	02/13/2002	05/12/2002	11188	directional well;same lease as 087 4267 which was cancelled 11/09/2001	1138	1007	6900				40476	324033	176876
087	4309	Copper Ridge		11/12/2002	03/25/2003	12176	directional well; revised 11/08/2002;BHL 651 ft. NW of SHL									
087	4309	Wells Creek	11400				directional well; BHL 1500 ft. SE of SHL; plugging plat 09/12/2008									
087	4311	Basement					cancelled 08/04/2006									
087	4314	Conasauga	15100				same location as 087 4263; cancelled 08/27/2004									
087	4347	Basement	18000				cancelled 08/04/2006									
087	4381	Knox	13500	10/21/2003	01/12/2004	12201	natural, open hole	483		1400						186294
087	4391	Basement					was 087 4285; cancelled 08/04/2006									
087	4392	Basement					was 087 4287; cancelled 08/04/2006									
087	4393	Basement					was 087 4288; cancelled 08/04/2006									
087	4394	Basement					was 087 4286; cancelled 08/04/2006									
087	4395	Basement	18000				was 087 4290; cancelled 08/04/2006									
087	4454	Knox	11200				now 087 4472; rig skidded									
087	4472	Knox	11200	08/30/2005	02/17/2006	10287	was 087 4454, rig skidded; directional; Lockport and Oriskany pays; Reedsville and Black River shows, 2 months prod 2007									
097	3027	Trenton	14800				cancelled 03/14/2003									
097	3028	Trenton	14800				cancelled 03/14/2003									
097	3029	Trenton	14800				cancelled 03/14/2003									
097	3030	Trenton	14800				cancelled 03/14/2003									
097	3042	Trenton	14800				cancelled 08/04/2006									
099	2037	Beekmantown	9869	10/29/2000	11/18/2000	9282	no 4.5 inch casing; well was logged and plugged back to 6509									
101	92	Trenton	13505	09/08/2000		12992	plugged 06/05/2001; Huntersville Chert perfed & acidized									
107	1634	Basement					cancelled 08/02/2002									
107	1636	Black River	11000				plugging plat 09/06/2002									
107	1637	Black River	10994				cancelled 08/15/2003									

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 253-292 of 293. Columns, part 3 of 3.

County Code	Permit Number	2005 Gas Production (Mcf)	2006 Gas Production (Mcf)	2007 Gas Production (Mcf)	2008 Gas Production (Mcf)	2009 Gas Production (Mcf)	Cumulative Gas Production (Mcf)	Record Received	Logs Received
087	4270						0		
087	4272						0		
087	4274	11211	9540	5084	1594	3195	348,534	yes	
087	4276	plugged	plugged	plugged			0		
087	4277						0		
087	4278	44163	39458	36697	33010	29382	1,003,649	yes	
087	4279						0		
087	4283						0		
087	4284	cancelled	cancelled				0		
087	4285						0		
087	4286						0		
087	4287						0		
087	4288						0		
087	4290						0		
087	4292						0		
087	4294						0		
087	4306	157338		91921			790,644	yes	
087	4309	?					0	yes	
087	4309						0		
087	4311						0		
087	4314						0		
087	4347						0		
087	4381	175425	63950	52351	35796	75054	588,870	yes	yes
087	4391						0		
087	4392						0		
087	4393						0		
087	4394						0		
087	4395						0		
087	4454						0		yes
087	4472			752	5343	3033	9,128	yes	
097	3027						0		
097	3028						0		
097	3029						0		
097	3030						0		
097	3042						0		
099	2037	abandoned well	abandoned well	abandoned well			0	yes	
101	92	plugged	plugged	plugged			0	yes	yes
107	1634						0		
107	1636						0		
107	1637						0		

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 293-293 of 293. Columns, part 1 of 3.

County Code	Permit Number	Permit Date	Operator	Subsequent Operator	Surface Owner	Royalty Owner	Well Number	7.5-Minute Quadrangle	Latitude (ddmmss)	Longitude (ddmmss)	Miles South	Miles West	UTM Easting (meters)	UTM Northing (meters)
107	1638	08/03/2001	Cabot		Edwin Emerick	Cabot Oil & Gas Corporation	Gates 1	Rockport	390500	813230	2.66	1.80	450215.5	4321689.0

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 293-293 of 293. Columns, part 2 of 3.

County Code	Permit Number	Target Formation	Target Depth (feet)	Spud Date	Date Total Depth Reached	Total Depth (feet)	Comments	Initial Open Flow (Mcf)	Final Open Flow (Mcf)	Rock Pressure (psi)	1999 Gas Production (Mcf)	2000 Gas Production (Mcf)	2001 Gas Production (Mcf)	2002 Gas Production (Mcf)	2003 Gas Production (Mcf)	2004 Gas Production (Mcf)
107	1638	Black River	11000				cancelled 08/15/2003									

Permitted Trenton and Deeper Wells in West Virginia (continued). Entire table. Rows 293-293 of 293. Columns, part 3 of 3.

County Code	Permit Number	2005 Gas Production (Mcf)	2006 Gas Production (Mcf)	2007 Gas Production (Mcf)	2008 Gas Production (Mcf)	2009 Gas Production (Mcf)	Cumulative Gas Production (Mcf)	Record Received	Logs Received
107	1638						0		

Keys: Permitted Trenton and Deeper Wells in West Virginia

County code translations

007 Braxton
009 Brooke
011 Cabell
013 Calhoun
015 Clay
017 Doddridge
021 Gilmer
035 Jackson
039 Kanawha
043 Lincoln
053 Mason
073 Pleasants
079 Putnam
085 Ritchie
087 Roane
097 Upshur
099 Wayne
101 Webster
107 Wood

Operator translations

AEP	American Electric Power Company
Ardent	Ardent Resources
A W Tipka	A W Tipka Oil & Gas, Incorporated
B & R	B & R Construction, Incorporated
Barr	David E and Garnet M Barr
Base	Base Petroleum Incorporated
Bet-Ro	Bet-Ro Inc
BNG	BNG Production & Drilling, Incorporated
Boggs	Boggs Natural Gas
Cabot	Cabot Oil & Gas Corporation
CNR	Columbia Natural Resources, Incorporated
Creston	Creston Oil Corporation
CW & JE Richards	CW & JE Richards
DAC	Drilling Appalachian Corporation
Dominion	Dominion Exploration & Production, Incorporated
Dorva	Dorva Corporation
East	East Resources
EAE	Eastern American Energy
ECA	Energy Corporation of America
Fairman	Fairman Drilling
Greer	Greer Incorporated
Howard	Lorna Howard
Jay-Bee	Jay-Bee Production Company
JMS	JMS Corporation
Key	Key Oil Incorporated
Martin Twist	Martin Twist Energy Co LLC
McIntosh	McIntosh Partners
Megan	Megan Oil & Gas Incorporated
Mountain V	Mountain "V" Oil & Gas Incorporated
Nitro	Nitro Energy, Incorporated
North Coast	North Coast Energy Eastern, Incorporated
Peake	Peake Energy Incorporated
R & A	R & A Production
Reed	Reed Gas, Incorporated
RE Richards	Russell E Richards
Satterfield	Stephen Satterfield Production
Stastny	David C Stastny
Sugar Rock	Sugar Rock, Incorporated
Term	Term Energy
Trans-Capital	Trans-Capital Investment
Triad	Triad Resources, Incorporated
Trio	Trio Petroleum Corporation
WE Smith	Walter E Smith
Whitehurst	Gareth Whitehurst
Whittle	Whittle Corporation

Data were compiled by Katharine Lee Avary, West Virginia Geological & Economic Survey

Data are current through May 2010.

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